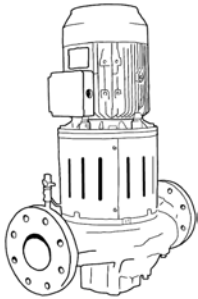


<p>JOB:</p> <p>UNIT TAG:</p> <p>ENGINEER:</p> <p>CONTRACTOR:</p>	<p>REPRESENTATIVE:</p> <p>ORDER NO.</p> <p>SUBMITTED BY:</p> <p>APPROVED BY:</p>	<p>DATE:</p> <p>DATE:</p> <p>DATE:</p>
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1 1/2 x 1 1/2 x 7B

Series 80[®]-SC

Spacer Coupled Vertical
In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW _____ HEAD _____

HP _____ RPM _____

VOLTS _____

CYCLE _____ PHASE _____

ENCLOSURE _____

APPROX. WEIGHT _____

SPECIALS _____

MATERIALS OF CONSTRUCTION

BRONZE FITTED ALL IRON

WORKING PRESSURE

175 psi (12 bar) W.P. with 125# ANSI flange drilling

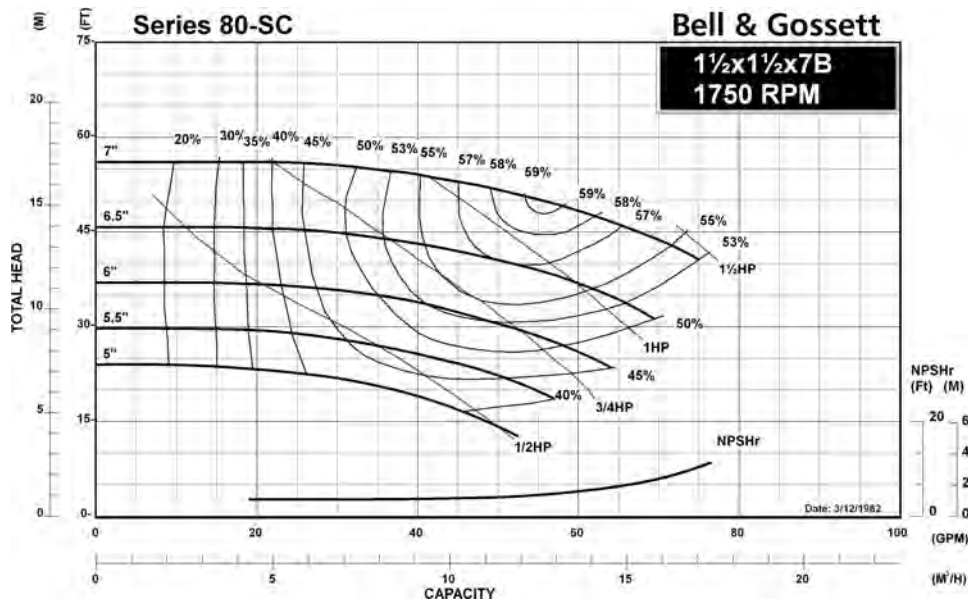
250 psi (17 bar) W.P. with 250# ANSI flange drilling

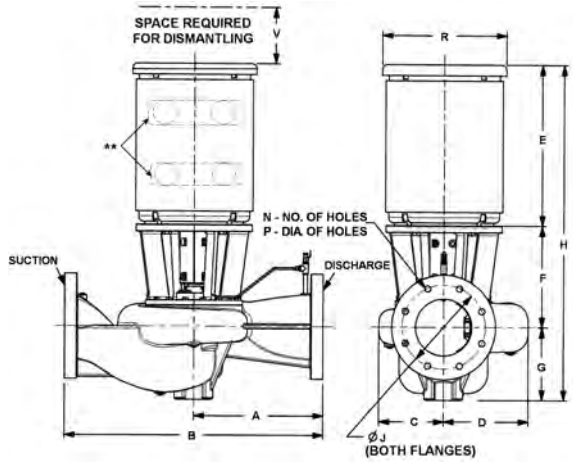
TYPE OF SEAL

STANDARD SEAL - Inside Unitized with flush line (EPR/Carbon-Ceramic)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)

OPTIONAL SEAL - Inside Unitized with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 250 psi (17 bar)

OPTIONAL SEAL - Outside Type "8B2"; with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)





FLANGE DIMENSIONS IN INCHES (MM)			
	SIZE	THICKNESS	O.D.
Discharge	1-1/2"	1-3/16 (30)	6 (152)
Suction	1-1/2"	1-3/16 (30)	6 (152)

VOLUTE BASE RING TAPPED FOR
1" - 125# ANSI FLANGE TO SUPPORT PUMP

** Motor may be supplied with feet

DIMENSIONS - Inches (mm)

TC SHAFT MOTORS

MOTOR FRAME	A	B	C	D	G	F	E	H	125# ANSI			250# ANSI			R	V (Min)
									J	N	P	J	N	P		
182TC	8 (203)	16 (406)	4-5/8 (117)	4-3/4 (121)	4-3/8 (111)	11-3/4 (298)	12-1/4 (311)	28-3/8 (721)	3-7/8 (98)	4	5/8 (16)	4-1/2 (114)	7/8 (22)	8-3/4 (222)	4 (102)	
184TC	8 (203)	16 (406)	4-5/8 (117)	4-3/4 (121)	4-3/8 (111)	11-3/4 (298)	13-1/4 (337)	29-3/8 (746)	3-7/8 (98)	4	5/8 (16)	4-1/2 (114)	7/8 (22)	8-3/4 (222)	4 (102)	
213TC	8 (203)	16 (406)	4-5/8 (117)	4-3/4 (121)	4-3/8 (111)	11-3/4 (298)	14-7/8 (378)	31 (787)	3-7/8 (98)	4	5/8 (16)	4-1/2 (114)	7/8 (22)	10-5/8 (270)	4 (102)	
215TC	8 (203)	16 (406)	4-5/8 (117)	4-3/4 (121)	4-3/8 (111)	11-3/4 (298)	14-7/8 (378)	31 (787)	3-7/8 (98)	4	5/8 (16)	4-1/2 (114)	7/8 (22)	10-5/8 (270)	4 (102)	

HP SHAFT MOTORS

MOTOR FRAME	A	B	C	D	G	F	E	H	125# ANSI			250# ANSI			R	V (Min)
									J	N	P	J	N	P		
143HP	8 (203)	16 (406)	4-5/8 (117)	4-3/4 (121)	4-3/8 (111)	11-3/4 (298)	11-13/16 (300)	27-15/16 (710)	3-7/8 (98)	4	5/8 (16)	4-1/2 (114)	7/8 (22)	7-1/16 (179)	4 (102)	
145HP	8 (203)	16 (406)	4-5/8 (117)	4-3/4 (121)	4-3/8 (111)	11-3/4 (298)	12-13/16 (325)	28-15/16 (735)	3-7/8 (98)	4	5/8 (16)	4-1/2 (114)	7/8 (22)	7-1/16 (179)	4 (102)	
182HP	8 (203)	16 (406)	4-5/8 (117)	4-3/4 (121)	4-3/8 (111)	11-3/4 (298)	13-7/8 (352)	30 (762)	3-7/8 (98)	4	5/8 (16)	4-1/2 (114)	7/8 (22)	8-3/4 (222)	4 (102)	
184HP	8 (203)	16 (406)	4-5/8 (117)	4-3/4 (121)	4-3/8 (111)	11-3/4 (298)	14-7/8 (378)	31 (787)	3-7/8 (98)	4	5/8 (16)	4-1/2 (114)	7/8 (22)	8-3/4 (222)	4 (102)	
213HP	8 (203)	16 (406)	4-5/8 (117)	4-3/4 (121)	4-3/8 (111)	11-3/4 (298)	17-1/4 (438)	33-3/8 (848)	3-7/8 (98)	4	5/8 (16)	4-1/2 (114)	7/8 (22)	10-5/8 (270)	4 (102)	
215HP	8 (203)	16 (406)	4-5/8 (117)	4-3/4 (121)	4-3/8 (111)	11-3/4 (298)	18-3/4 (476)	34-7/8 (886)	3-7/8 (98)	4	5/8 (16)	4-1/2 (114)	7/8 (22)	10-5/8 (270)	4	

IEC SHAFT MOTORS

MOTOR FRAME	A	B	C	D	G	F	E	H	125# ANSI			250# ANSI			R	V (Min)
									J	N	P	J	N	P		
80	8 (203)	16 (406)	4-5/8 (117)	4-3/4 (121)	4-3/8 (111)	11-3/4 (298)	9-15/16 (252)	26-1/16 (662)	3-7/8 (98)	4	5/8 (16)	4-1/2 (114)	7/8 (22)	6-7/8 (175)	4 (102)	
90	8 (203)	16 (406)	4-5/8 (117)	4-3/4 (121)	4-3/8 (111)	11-3/4 (298)	11-5/8 (295)	27-3/4 (705)	3-7/8 (98)	4	5/8 (16)	4-1/2 (114)	7/8 (22)	7-1/2 (190)	4 (102)	
100L	8 (203)	16 (406)	4-5/8 (117)	4-3/4 (121)	4-3/8 (111)	11-3/4 (298)	12-11/16 (322)	28-13/16 (732)	3-7/8 (98)	4	5/8 (16)	4-1/2 (114)	7/8 (22)	8-1/4 (210)	4 (102)	
112M	8 (203)	16 (406)	4-5/8 (117)	4-3/4 (121)	4-3/8 (111)	11-3/4 (298)	13-9/16 (344)	29-11/16 (754)	3-7/8 (98)	4	5/8 (16)	4-1/2 (114)	7/8 (22)	9-5/16 (237)	4 (102)	
132	8 (203)	16 (406)	4-5/8 (117)	4-3/4 (121)	4-3/8 (111)	11-3/4 (298)	17-1/8 (435)	33-1/4 (845)	3-7/8 (98)	4	5/8 (16)	4-1/2 (114)	7/8 (22)	10-13/16 (275)	4 (102)	

Dimensions are subject to change. Not to be used for construction purposes unless certified.

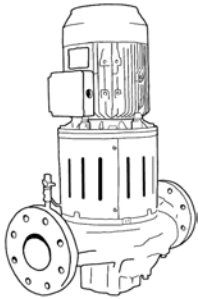
NOTE: For TEFC add 1-1/2" to dimensions E & H.

Xylem Inc.
8200 N. Austin Avenue
Morton Grove, IL 60053
Phone: (847)966-3700
Fax: (847)965-8379
www.bellgossett.com



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<p>JOB:</p> <p>UNIT TAG:</p> <p>ENGINEER:</p> <p>CONTRACTOR:</p>	<p>REPRESENTATIVE:</p> <p>ORDER NO.</p> <p>SUBMITTED BY:</p> <p>APPROVED BY:</p>	<p>DATE:</p> <p>DATE:</p> <p>DATE:</p>
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1 1/2 x 1 1/2 x 7B Series 80[®]-SC

Spacer Coupled Vertical
In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW _____ HEAD _____

HP _____ RPM _____

VOLTS _____

CYCLE _____ PHASE _____

ENCLOSURE _____

APPROX. WEIGHT _____

SPECIALS _____

MATERIALS OF CONSTRUCTION

BRONZE FITTED ALL IRON

WORKING PRESSURE

175 psi (12 bar) W.P. with 125# ANSI flange drilling

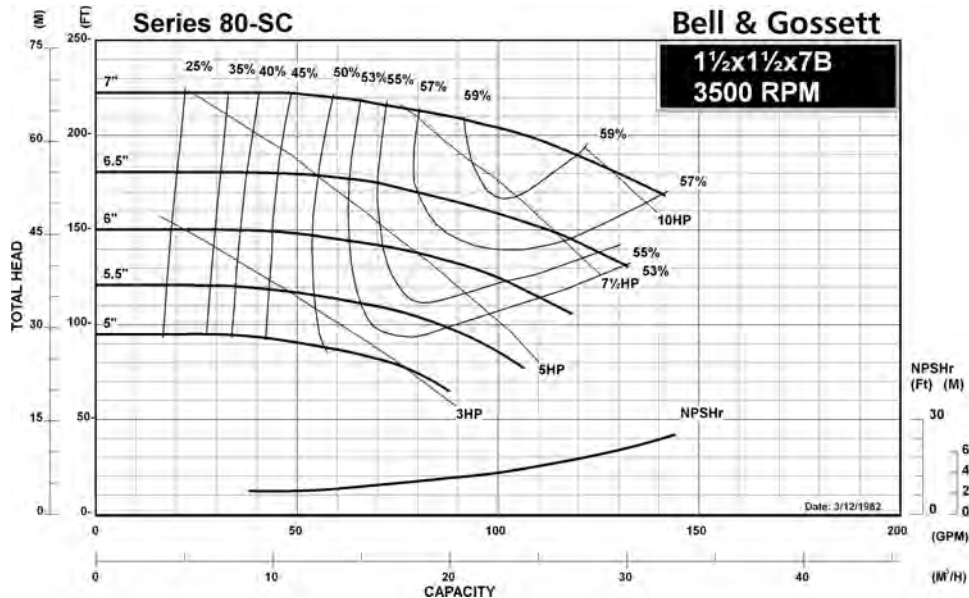
250 psi (17 bar) W.P. with 250# ANSI flange drilling

TYPE OF SEAL

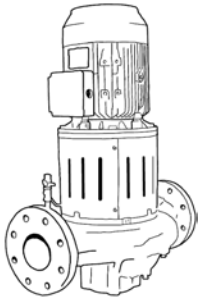
STANDARD SEAL - Inside Unitized with flush line (EPR/Carbon-Ceramic)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)

OPTIONAL SEAL - Inside Unitized with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 250 psi (17 bar)

OPTIONAL SEAL - Outside Type "8B2"; with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)



<p>JOB:</p> <p>UNIT TAG:</p> <p>ENGINEER:</p> <p>CONTRACTOR:</p>	<p>REPRESENTATIVE:</p> <p>ORDER NO.</p> <p>SUBMITTED BY:</p> <p>APPROVED BY:</p>	<p>DATE:</p> <p>DATE:</p> <p>DATE:</p>
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1 1/2 x 1 1/2 x 7B

Series 80[®]-SC

Spacer Coupled Vertical
In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW _____ HEAD _____

HP _____ RPM _____

VOLTS _____

CYCLE _____ PHASE _____

ENCLOSURE _____

APPROX. WEIGHT _____

SPECIALS _____

MATERIALS OF CONSTRUCTION

BRONZE FITTED ALL IRON

WORKING PRESSURE

175 psi (12 bar) W.P. with 125# ANSI flange drilling

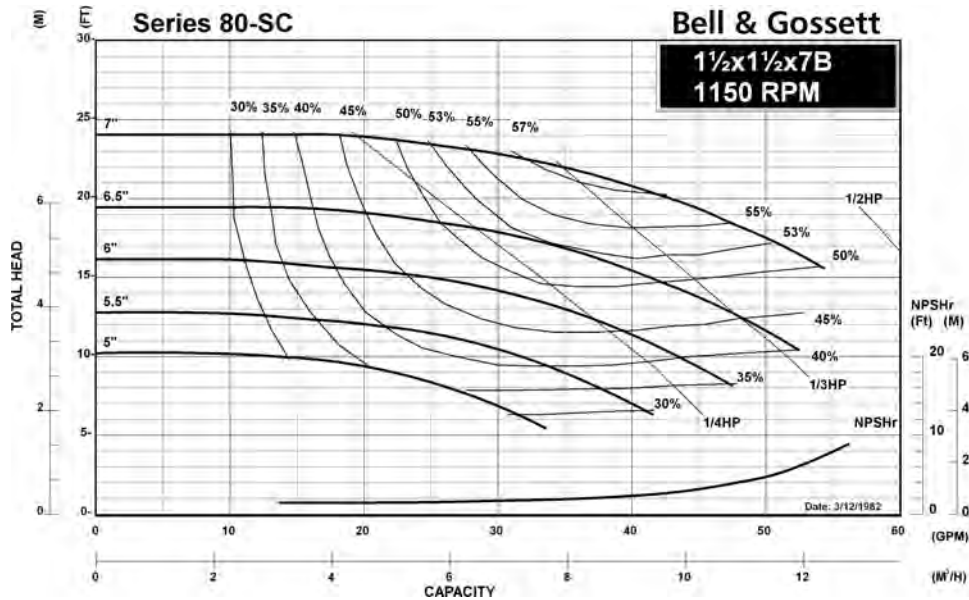
250 psi (17 bar) W.P. with 250# ANSI flange drilling

TYPE OF SEAL

STANDARD SEAL - Inside Unitized with flush line (EPR/Carbon-Ceramic)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)

OPTIONAL SEAL - Inside Unitized with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 250 psi (17 bar)

OPTIONAL SEAL - Outside Type "8B2"; with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)

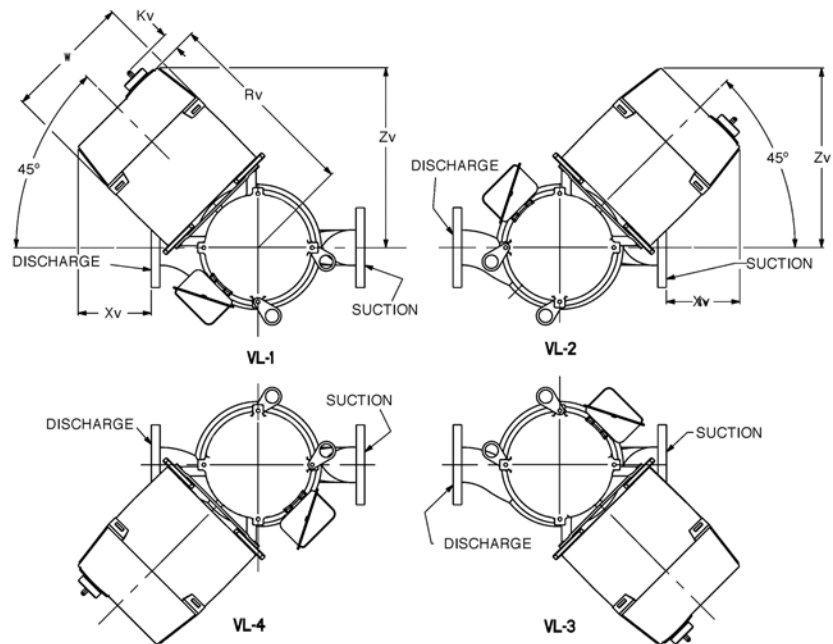
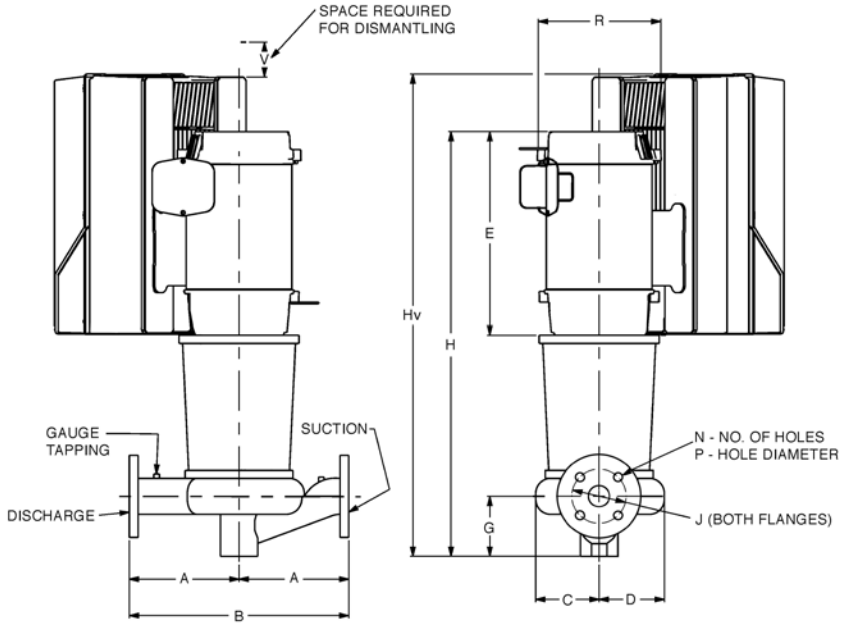




1½x1½x7B Series 80SC®

In-Line Mounted Centrifugal Pumps
With Optional Integrated Technologic® featuring Sensorless Control

TECHNOLOGIC STANDARD FEATURES	
CONTROL METHOD	Constant Pressure, Linear Control Curve, Quadratic Control Curve Factory configured for sensorless operation standard. Field configurable for use with a wired transducer.
ENCLOSURE	IP55 / NEMA 12 / UL type 12
POWER DISCONNECT SWITCH	Included standard. Fused Disconnect Switch optional.
EMI/RFI CONTROL	Integrated filter to meet EN62800-3.
HARMONIC SUPPRESSION	Integrated non-saturating dual DC link reactors provide better harmonic performance than a 5% AC line reactor.
COOLING	Fan-cooled through temperature controlled and easy replacement.
AMBIENT TEMPERATURE RATING	14°F to 113°F (-10°C to 45°C)
COMMUNICATION PROTOCOLS	BACnet, Modbus RTU, N2 Metasys, FLN Apogee
ANALOG INPUTS	2 configurable for either voltage (0 to 10VDC) or current(0/4 to 20mA)
ANALOG OUTPUTS	1 (0/4 to 20mA) up to 500 ohm load accurate to 1% of full scale
DIGITAL INPUTS	4 (0 to 24VDC), NPN or PNP, 0 to 24VDC, on 5 msec scan interval, Up to 2 can be configured as pulse inputs.
DIGITAL OUTPUTS	2 (0 to 24VDC), 40mA max current, configurable as pulse outputs.
RELAY OUTPUTS	2 programmable, 240VAC or 400VAC up to 2 A



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1 1/2x1 1/2x7B Series 80-SC®

In-Line Mounted Centrifugal Pumps
With Optional Integrated Technologic® featuring Sensorless Control

DIMENSIONS – Inches (mm)

TC SHAFT MOTORS

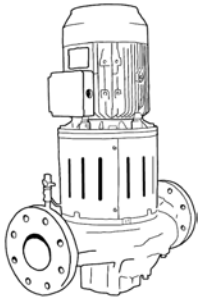
MOTOR FRAME	A	B	G	E	125# ANSI			250# ANSI			R	V (Min)	VFD	Rv	Zv	W	Hv	Xv	Kv
					J	N	P	J	N	P									
182TC	8 (203)	16 (406)	4-3/8 (111)	12-1/4 (311)	3-7/8 (98)	4	5/8 (16)	4-1/2 (114)	4	7/8 (22)	8-3/4 (222)	4 (102)	A5	12-25/32 (324)	12-1/32 (306)	9-1/2 (241)	31-5/32 (791)	4-1/32 (102)	1-1/2 (38.10)
184TC	8 (203)	16 (406)	4-3/8 (111)	13-1/4 (337)	3-7/8 (98)	4	5/8 (16)	4-1/2 (114)	4	7/8 (22)	8-3/4 (222)	4 (102)	A5	12-25/32 (324)	12-1/32 (306)	9-1/2 (241)	32-5/32 (817)	4-1/32 (102)	1-1/2 (38.10)
													B1	15-5/64 (383)	13-11/16 (348)	9-1/2 (241)	33-7/32 (844)	5-11/16 (144)	1-13/16 (45.72)
213TC	8 (203)	16 (406)	4-3/8 (111)	14-7/8 (378)	3-7/8 (98)	4	5/8 (16)	4-1/2 (114)	4	7/8 (22)	10-5/8 (270)	4 (102)	A5	13-17/32 (344)	12-9/16 (319)	9-1/2 (241)	31 (787)	4-9/16 (116)	1-1/2 (38.10)
													B1	15-53/64 (402)	14-7/32 (361)	9-1/2 (241)	32-7/16 (824)	6-7/32 (158)	1-13/16 (45.72)
215TC	8 (203)	16 (406)	4-3/8 (111)	14-7/8 (378)	3-7/8 (98)	4	5/8 (16)	4-1/2 (114)	4	7/8 (22)	10-5/8 (270)	4 (102)	A5	13-17/32 (344)	12-9/16 (319)	9-1/2 (241)	31 (787)	4-9/16 (116)	1-1/2 (38.10)
													B1	15-53/64 (402)	14-7/32 (361)	9-1/2 (241)	32-27/64 (823)	6-7/32 (158)	1-13/16 (45.72)

Xylem Inc.
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xylem
Let's Solve Water

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<p>JOB:</p> <p>UNIT TAG:</p> <p>ENGINEER:</p> <p>CONTRACTOR:</p>	<p>REPRESENTATIVE:</p> <p>ORDER NO.</p> <p>SUBMITTED BY:</p> <p>APPROVED BY:</p>	<p>DATE:</p> <p>DATE:</p> <p>DATE:</p>
---	---	---



1½x1½x9½

Series 80®-SC

Spacer Coupled Vertical
In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW _____ HEAD _____

HP _____ RPM _____

VOLTS _____

CYCLE _____ PHASE _____

ENCLOSURE _____

APPROX. WEIGHT _____

SPECIALS _____

MATERIALS OF CONSTRUCTION

BRONZE FITTED ALL IRON

WORKING PRESSURE

175 psi (12 bar) W.P. with 125# ANSI flange drilling

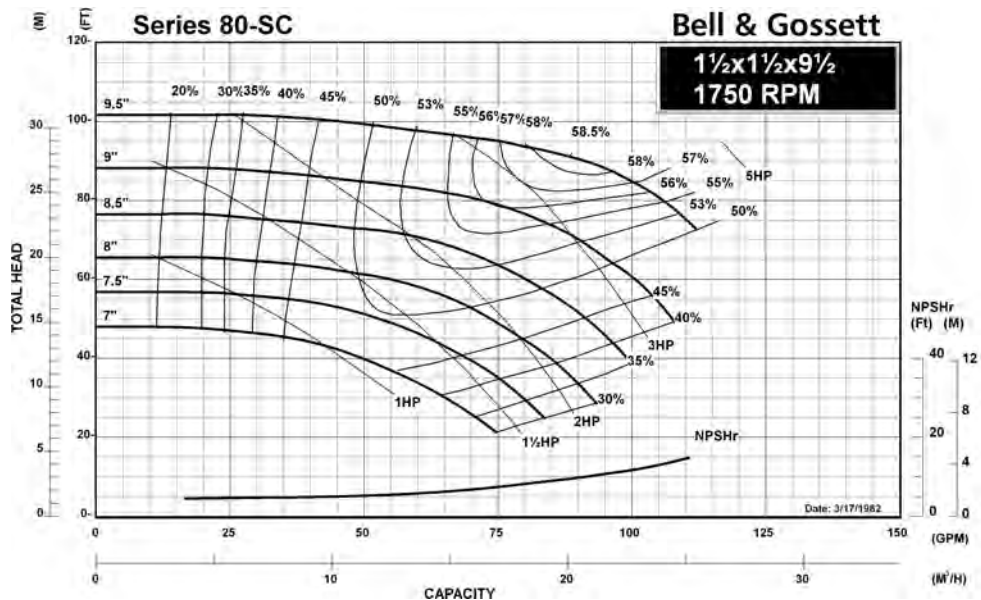
250 psi (17 bar) W.P. with 250# ANSI flange drilling

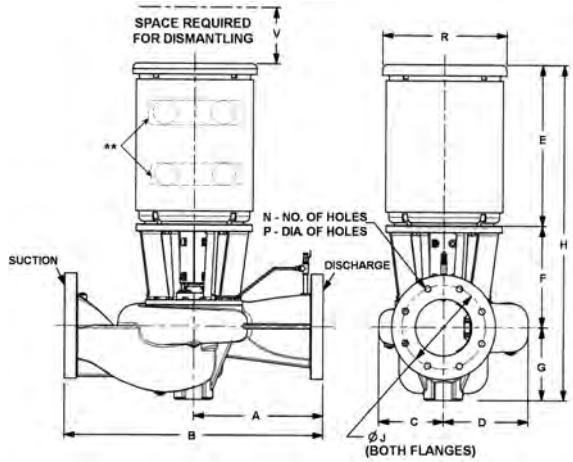
TYPE OF SEAL

STANDARD SEAL - Inside Unitized with flush line (EPR/Carbon-Ceramic)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)

OPTIONAL SEAL - Inside Unitized with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 250 psi (17 bar)

OPTIONAL SEAL - Outside Type "8B2"; with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)





FLANGE DIMENSIONS IN INCHES (MM)			
	SIZE	THICKNESS	O.D.
Discharge	1-1/2"	1-3/16 (30)	6 (152)
Suction	1-1/2"	1-3/16 (30)	6 (152)

**VOLUTE BASE RING TAPPED FOR
1" - 125# ANSI FLANGE TO SUPPORT PUMP**

** Motor may be supplied with feet

DIMENSIONS - Inches (mm)

TC SHAFT MOTORS

MOTOR FRAME	A	B	C	D	G	F	E	H	125# ANSI			250# ANSI			R	V (Min)
									J	N	P	J	N	P		
182TC	9-1/2 (241)	19 (483)	5-7/8 (149)	6-1/4 (159)	4-1/2 (114)	11-3/4 (298)	12-1/4 (311)	28-1/2 (724)	3-7/8 (98)	4	5/8 (16)	4-1/2 (114)	4	7/8 (22)	8-3/4 (222)	4 (102)
184TC	9-1/2 (241)	19 (483)	5-7/8 (149)	6-1/4 (159)	4-1/2 (114)	11-3/4 (298)	13-1/4 (337)	29-1/2 (749)	3-7/8 (98)	4	5/8 (16)	4-1/2 (114)	4	7/8 (22)	8-3/4 (222)	4 (102)

HP SHAFT MOTORS

MOTOR FRAME	A	B	C	D	G	F	E	H	125# ANSI			250# ANSI			R	V (Min)
									J	N	P	J	N	P		
143HP	9-1/2 (241)	19 (483)	5-7/8 (149)	6-1/4 (159)	4-1/2 (114)	11-3/4 (298)	11-13/16 (300)	28-1/16 (713)	3-7/8 (98)	4	5/8 (16)	4-1/2 (114)	4	7/8 (22)	7-1/16 (179)	4 (102)
145HP	9-1/2 (241)	19 (483)	5-7/8 (149)	6-1/4 (159)	4-1/2 (114)	11-3/4 (298)	12-13/16 (325)	29-1/16 (738)	3-7/8 (98)	4	5/8 (16)	4-1/2 (114)	4	7/8 (22)	7-1/16 (179)	4 (102)
182HP	9-1/2 (241)	19 (483)	5-7/8 (149)	6-1/4 (159)	4-1/2 (114)	11-3/4 (298)	13-7/8 (352)	30-3/16 (767)	3-7/8 (98)	4	5/8 (16)	4-1/2 (114)	4	7/8 (22)	8-3/4 (222)	4 (102)
184HP	9-1/2 (241)	19 (483)	5-7/8 (149)	6-1/4 (159)	4-1/2 (114)	11-3/4 (298)	14-7/8 (378)	31-3/16 (792)	3-7/8 (98)	4	5/8 (16)	4-1/2 (114)	4	7/8 (22)	8-3/4 (222)	4 (102)

IEC SHAFT MOTORS

MOTOR FRAME	A	B	C	D	G	F	E	H	125# ANSI			250# ANSI			R	V (Min)
									J	N	P	J	N	P		
80	9-1/2 (241)	19 (483)	5-7/8 (149)	6-1/4 (159)	4-1/2 (114)	11-3/4 (298)	9-15/16 (252)	26-1/4 (667)	3-7/8 (98)	4	5/8 (16)	4-1/2 (114)	4	7/8 (22)	6-7/8 (175)	4 (102)
90	9-1/2 (241)	19 (483)	5-7/8 (149)	6-1/4 (159)	4-1/2 (114)	11-3/4 (298)	11-5/8 (295)	27-7/8 (708)	3-7/8 (98)	4	5/8 (16)	4-1/2 (114)	4	7/8 (22)	7-1/2 (190)	4 (102)
100L	9-1/2 (241)	19 (483)	5-7/8 (149)	6-1/4 (159)	4-1/2 (114)	11-3/4 (298)	12-11/16 (322)	28-15/16 (735)	3-7/8 (98)	4	5/8 (16)	4-1/2 (114)	4	7/8 (22)	8-1/4 (210)	4 (102)
112M	9-1/2 (241)	19 (483)	5-7/8 (149)	6-1/4 (159)	4-1/2 (114)	11-3/4 (298)	13-9/16 (344)	29-7/8 (759)	3-7/8 (98)	4	5/8 (16)	4-1/2 (114)	4	7/8 (22)	9-5/16 (237)	4 (102)
132	9-1/2 (241)	19 (483)	5-7/8 (149)	6-1/4 (159)	4-1/2 (114)	11-3/4 (298)	17-1/8 (435)	33-2/4 (851)	3-7/8 (98)	4	5/8 (16)	4-1/2 (114)	4	7/8 (22)	10-13/16 (275)	4 (102)
160M	9-1/2 (241)	19 (483)	5-7/8 (149)	6-1/4 (159)	4-1/2 (114)	14-3/8 (365)	20-1/4 (514)	39-1/4 (997)	3-7/8 (98)	4	5/8 (16)	4-1/2 (114)	4	7/8 (22)	13 (330)	4 (102)

Dimensions are subject to change. Not to be used for construction purposes unless certified.

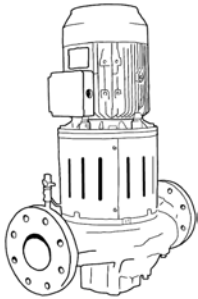
NOTE: For TEFC add 1-1/2" to dimensions E & H.

Xylem Inc.
8200 N. Austin Avenue
Morton Grove, IL 60053
Phone: (847)966-3700
Fax: (847)965-8379
www.bellgossett.com



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<p>JOB: _____</p> <p>UNIT TAG: _____</p> <p>ENGINEER: _____</p> <p>CONTRACTOR: _____</p>	<p>REPRESENTATIVE: _____</p> <p>ORDER NO. _____</p> <p>SUBMITTED BY: _____</p> <p>APPROVED BY: _____</p>	<p>DATE: _____</p> <p>DATE: _____</p> <p>DATE: _____</p>
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1 1/2 x 1 1/2 x 9 1/2

Series 80[®]-SC

Spacer Coupled Vertical
In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW _____ HEAD _____

HP _____ RPM _____

VOLTS _____

CYCLE _____ PHASE _____

ENCLOSURE _____

APPROX. WEIGHT _____

SPECIALS _____

MATERIALS OF CONSTRUCTION

BRONZE FITTED ALL IRON

WORKING PRESSURE

175 psi (12 bar) W.P. with 125# ANSI flange drilling

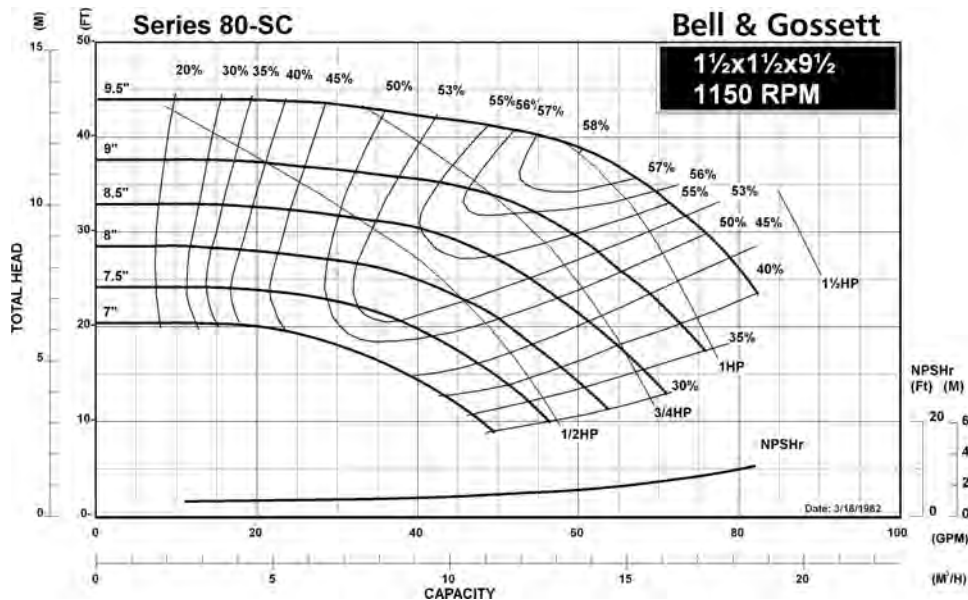
250 psi (17 bar) W.P. with 250# ANSI flange drilling

TYPE OF SEAL

STANDARD SEAL - Inside Unitized with flush line (EPR/Carbon-Ceramic)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)

OPTIONAL SEAL - Inside Unitized with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 250 psi (17 bar)

OPTIONAL SEAL - Outside Type "8B2"; with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)

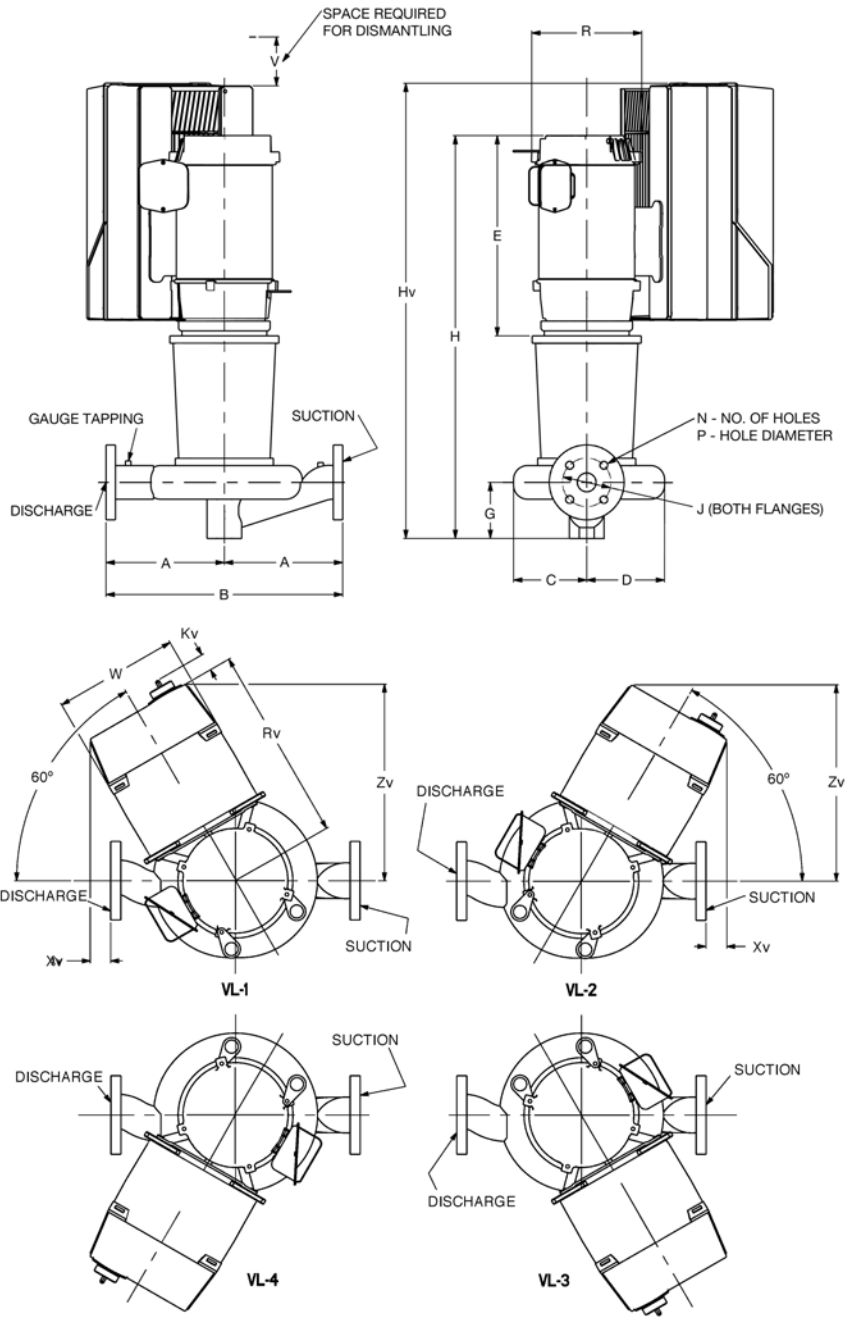




1½x1½x9½ Series 80SC®

In-Line Mounted Centrifugal Pumps
With Optional Integrated Technologic® featuring Sensorless Control

TECHNOLOGIC STANDARD FEATURES	
CONTROL METHOD	Constant Pressure, Linear Control Curve, Quadratic Control Curve Factory configured for sensorless operation standard. Field configurable for use with a wired transducer.
ENCLOSURE	IP55 / NEMA 12 / UL type 12
POWER DISCONNECT SWITCH	Included standard. Fused Disconnect Switch optional.
EMI/RFI CONTROL	Integrated filter to meet EN62800-3.
HARMONIC SUPPRESSION	Integrated non-saturating dual DC link reactors provide better harmonic performance than a 5% AC line reactor.
COOLING	Fan-cooled through temperature controlled and easy replacement.
AMBIENT TEMPERATURE RATING	14°F to 113°F (-10°C to 45°C)
COMMUNICATION PROTOCOLS	BACnet, Modbus RTU, N2 Metasys, FLN Apogee
ANALOG INPUTS	2 configurable for either voltage (0 to 10VDC) or current(0/4 to 20mA)
ANALOG OUTPUTS	1 (0/4 to 20mA) up to 500 ohm load accurate to 1% of full scale
DIGITAL INPUTS	4 (0 to 24VDC), NPN or PNP, 0 to 24VDC, on 5 msec scan interval, Up to 2 can be configured as pulse inputs.
DIGITAL OUTPUTS	2 (0 to 24VDC), 40mA max current, configurable as pulse outputs.
RELAY OUTPUTS	2 programmable, 240VAC or 400VAC up to 2 A



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1½x1½x9½ Series 80-SC®

In-Line Mounted Centrifugal Pumps
With Optional Integrated Technologic® featuring Sensorless Control

DIMENSIONS – Inches (mm)

TC SHAFT MOTORS

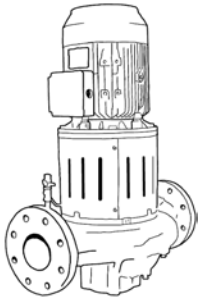
MOTOR FRAME	A	B	G	E	125# ANSI			250# ANSI			R	V (Min)	VFD	Rv	Zv	W	Hv	Xv	Kv
					J	N	P	J	N	P									
182TC	9-1/2 (241)	19 (483)	4-1/2 (114)	12-1/4 (311)	3-7/8 (98)	4	5/8 (16)	4-1/2 (114)	4	7/8 (22)	8-3/4 (222)	4 (102)	A5	12-25/32 (324)	13-3/16 (335)	9-1/2 (241)	31-9/32 (795)	9/16 (14)	1-1/2 (38.10)
184TC	9-1/2 (241)	19 (483)	4-1/2 (114)	13-1/4 (337)	3-7/8 (98)	4	5/8 (16)	4-1/2 (114)	4	7/8 (22)	8-3/4 (222)	4 (102)	A5	12-25/32 (324)	13-3/16 (335)	9-1/2 (241)	32-9/32 (820)	9/16 (14)	1-1/2 (38.10)

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xylem
Let's Solve Water

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© 2013 Xylem Inc.

<p>JOB: _____</p> <p>UNIT TAG: _____</p> <p>ENGINEER: _____</p> <p>CONTRACTOR: _____</p>	<p>REPRESENTATIVE: _____</p> <p>ORDER NO. _____</p> <p>SUBMITTED BY: _____</p> <p>APPROVED BY: _____</p> <p>DATE: _____</p> <p>DATE: _____</p> <p>DATE: _____</p>
--	---



2 1/2 x 2 1/2 x 7

Series 80[®]-SC

Spacer Coupled Vertical
In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW _____ HEAD _____

HP _____ RPM _____

VOLTS _____

CYCLE _____ PHASE _____

ENCLOSURE _____

APPROX. WEIGHT _____

SPECIALS _____

MATERIALS OF CONSTRUCTION

BRONZE FITTED ALL IRON

WORKING PRESSURE

175 psi (12 bar) W.P. with 125# ANSI flange drilling

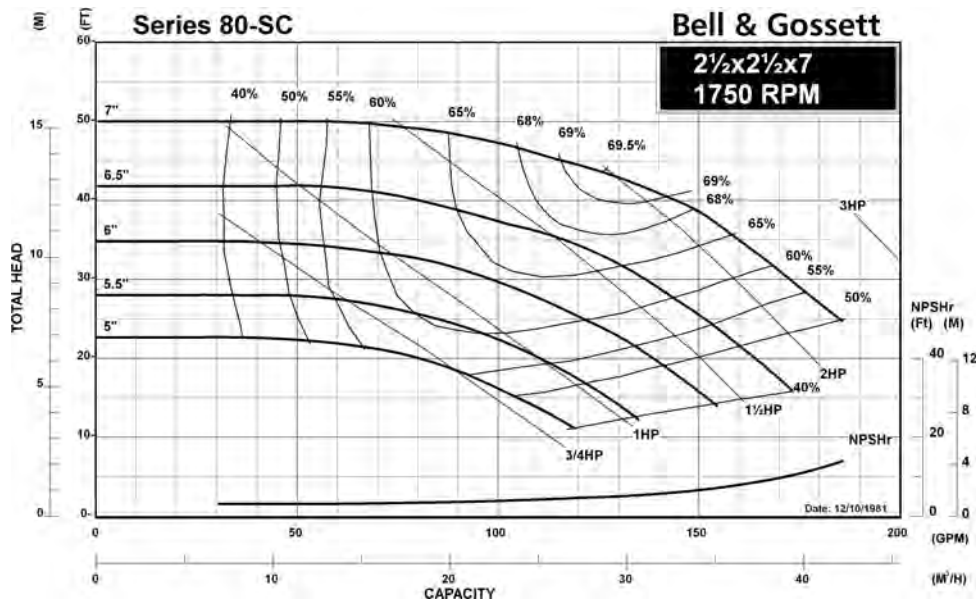
250 psi (17 bar) W.P. with 250# ANSI flange drilling

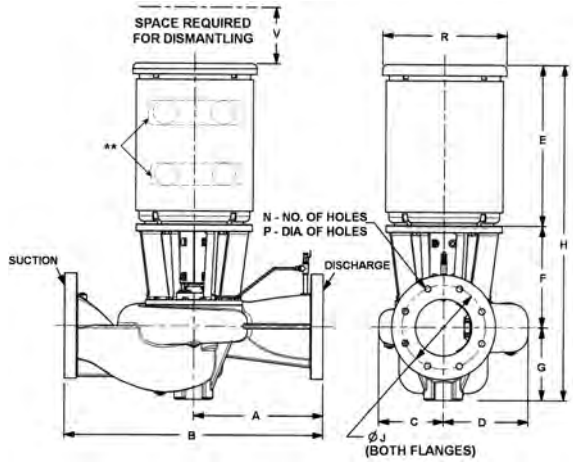
TYPE OF SEAL

STANDARD SEAL - Inside Unitized with flush line (EPR/Carbon-Ceramic)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)

OPTIONAL SEAL - Inside Unitized with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 250 psi (17 bar)

OPTIONAL SEAL - Outside Type "8B2"; with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)





FLANGE DIMENSIONS IN INCHES (MM)			
	SIZE	THICKNESS	O.D.
Discharge	2-1/2"	1 (25)	7-3/8 (187)
Suction	2-1/2"	1 (25)	7-3/8 (187)

VOLUTE BASE RING TAPPED FOR
2" - 125# ANSI FLANGE TO SUPPORT PUMP

** Motor may be supplied with feet

DIMENSIONS - Inches (mm)

TC SHAFT MOTORS

MOTOR FRAME	A	B	C	D	G	F	E	H	125# ANSI			250# ANSI			R	V (Min)
									J	N	P	J	N	P		
182TC	9 (229)	18 (457)	5 (127)	5-5/8 (143)	5-1/4 (133)	11-15/16 (303)	12-1/4 (311)	29-13/32 (747)	5-1/2 (140)	4	3/4 (19)	5-7/8 (149)	8	7/8 (22)	8-3/4 (222)	4-1/2 (114)
184TC	9 (229)	18 (457)	5 (127)	5-5/8 (143)	5-1/4 (133)	11-15/16 (303)	13-1/4 (337)	30-7/16 (772)	5-1/2 (140)	4	3/4 (19)	5-7/8 (149)	8	7/8 (22)	8-3/4 (222)	4-1/2 (114)
213TC	9 (229)	18 (457)	5 (127)	5-5/8 (143)	5-1/4 (133)	11-15/16 (303)	14-29/32 (378)	32-3/32 (815)	5-1/2 (140)	4	3/4 (19)	5-7/8 (149)	8	7/8 (22)	10-5/8 (270)	4-1/2 (114)
215TC	9 (229)	18 (457)	5 (127)	5-5/8 (143)	5-1/4 (133)	11-15/16 (303)	14-29/32 (378)	32-3/32 (815)	5-1/2 (140)	4	3/4 (19)	5-7/8 (149)	8	7/8 (22)	10-5/8 (270)	4-1/2 (114)
254TC	9 (229)	18 (457)	5 (127)	5-5/8 (143)	5-1/4 (133)	11-15/16 (303)	19-15/32 (494)	36-5/8 (930)	5-1/2 (140)	4	3/4 (19)	5-7/8 (149)	8	7/8 (22)	12-9/32 (312)	4-1/2 (114)

HP SHAFT MOTORS

MOTOR FRAME	A	B	C	D	G	F	E	H	125# ANSI			250# ANSI			R	V (Min)
									J	N	P	J	N	P		
143HP	9 (229)	18 (457)	5 (127)	5-5/8 (143)	5-1/4 (133)	11-15/16 (303)	11-13/16 (300)	28-31/32 (736)	5-1/2 (140)	4	3/4 (19)	5-7/8 (149)	8	7/8 (22)	7-1/32 (179)	4-1/2 (114)
145HP	9 (229)	18 (457)	5 (127)	5-5/8 (143)	5-1/4 (133)	11-15/16 (303)	12-25/32 (325)	29-31/32 (761)	5-1/2 (140)	4	3/4 (19)	5-7/8 (149)	8	7/8 (22)	7-1/32 (179)	4-1/2 (114)
182HP	9 (229)	18 (457)	5 (127)	5-5/8 (143)	5-1/4 (133)	11-15/16 (303)	13-29/32 (353)	31-3/32 (790)	5-1/2 (140)	4	3/4 (19)	5-7/8 (149)	8	7/8 (22)	8-3/4 (222)	4-1/2 (114)
184HP	9 (229)	18 (457)	5 (127)	5-5/8 (143)	5-1/4 (133)	11-15/16 (303)	14-29/32 (378)	32-3/32 (815)	5-1/2 (140)	4	3/4 (19)	5-7/8 (149)	8	7/8 (22)	8-3/4 (222)	4-1/2 (114)
213HP	9 (229)	18 (457)	5 (127)	5-5/8 (143)	5-1/4 (133)	11-15/16 (303)	17-1/4 (438)	34-7/16 (875)	5-1/2 (140)	4	3/4 (19)	5-7/8 (149)	8	7/8 (22)	10-5/8 (270)	4-1/2 (114)
215HP	9 (229)	18 (457)	5 (127)	5-5/8 (143)	5-1/4 (133)	11-15/16 (303)	18-3/4 (476)	35-9/16 (903)	5-1/2 (140)	4	3/4 (19)	5-7/8 (149)	8	7/8 (22)	10-5/8 (270)	4-1/2 (114)
254HP	9 (229)	18 (457)	5 (127)	5-5/8 (143)	5-1/4 (133)	11-15/16 (303)	22-11/32 (568)	39-1/2 (1003)	5-1/2 (140)	4	3/4 (19)	5-7/8 (149)	8	7/8 (22)	12-9/32 (312)	4-1/2 (114)

IEC SHAFT MOTORS

MOTOR FRAME	A	B	C	D	G	F	E	H	125# ANSI			250# ANSI			R	V (Min)
									J	N	P	J	N	P		
80	9 (229)	18 (457)	5 (127)	5-5/8 (143)	5-1/4 (133)	11-15/16 (303)	9-15/16 (252)	27-1/8 (689)	5-1/2 (140)	4	3/4 (19)	5-7/8 (149)	8	7/8 (22)	6-7/8 (175)	4-1/2 (114)
90	9 (229)	18 (457)	5 (127)	5-5/8 (143)	5-1/4 (133)	11-15/16 (303)	11-5/8 (295)	28-13/16 (732)	5-1/2 (140)	4	3/4 (19)	5-7/8 (149)	8	7/8 (22)	7-1/2 (190)	4-1/2 (114)
100L	9 (229)	18 (457)	5 (127)	5-5/8 (143)	5-1/4 (133)	11-15/16 (303)	12-11/16 (322)	29-7/8 (759)	5-1/2 (140)	4	3/4 (19)	5-7/8 (149)	8	7/8 (22)	8-1/4 (210)	4-1/2 (114)
112M	9 (229)	18 (457)	5 (127)	5-5/8 (143)	5-1/4 (133)	11-15/16 (303)	13-9/16 (344)	30-3/4 (781)	5-1/2 (140)	4	3/4 (19)	5-7/8 (149)	8	7/8 (22)	9-5/16 (237)	4-1/2 (114)
132	9 (229)	18 (457)	5 (127)	5-5/8 (143)	5-1/4 (133)	11-15/16 (303)	17-1/8 (435)	34-5/16 (872)	5-1/2 (140)	4	3/4 (19)	5-7/8 (149)	8	7/8 (22)	10-13/16 (275)	4-1/2 (114)

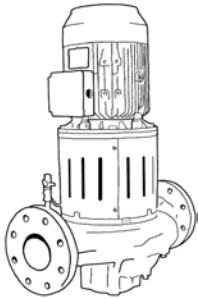
Dimensions are subject to change. Not to be used for construction purposes unless certified.

NOTE: For TEFC add 1-1/2" to dimensions E & H.

Xylem Inc.
8200 N. Austin Avenue
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Phone: (847)966-3700
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www.bellgossett.com



JOB:	REPRESENTATIVE:	
UNIT TAG:	ORDER NO.	DATE:
ENGINEER:	SUBMITTED BY:	DATE:
CONTRACTOR:	APPROVED BY:	DATE:



2 1/2 x 2 1/2 x 7

Series 80[®]-SC

Spacer Coupled Vertical
In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW _____ HEAD _____

HP _____ RPM _____

VOLTS _____

CYCLE _____ PHASE _____

ENCLOSURE _____

APPROX. WEIGHT _____

SPECIALS _____

MATERIALS OF CONSTRUCTION

BRONZE FITTED ALL IRON

WORKING PRESSURE

175 psi (12 bar) W.P. with 125# ANSI flange drilling

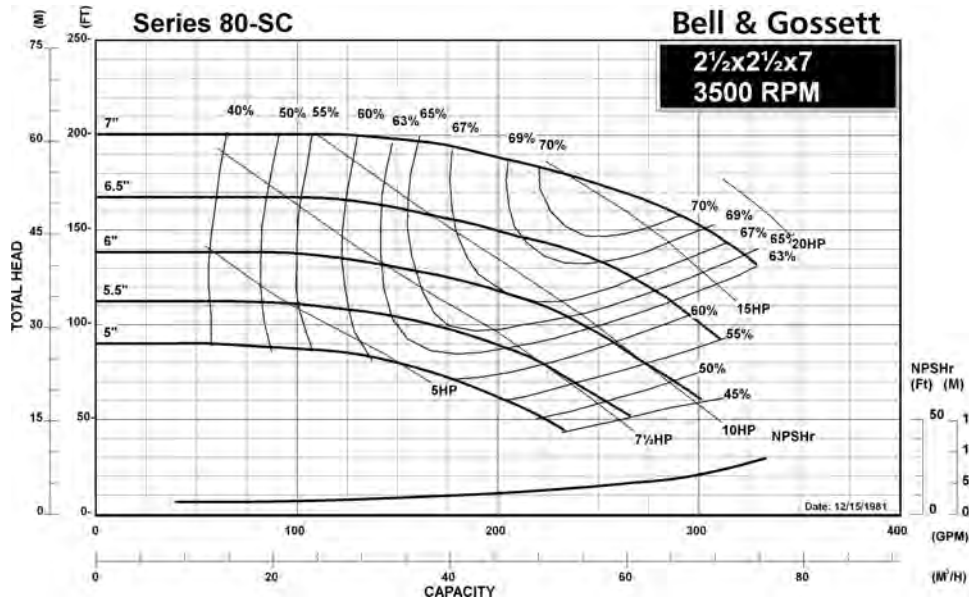
250 psi (17 bar) W.P. with 250# ANSI flange drilling

TYPE OF SEAL

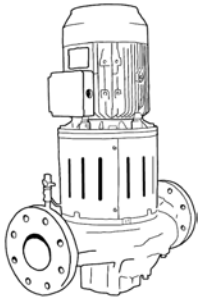
STANDARD SEAL - Inside Unitized with flush line (EPR/Carbon-Ceramic)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)

OPTIONAL SEAL - Inside Unitized with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 250 psi (17 bar)

OPTIONAL SEAL - Outside Type "8B2"; with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)



JOB: UNIT TAG: ENGINEER: CONTRACTOR:	REPRESENTATIVE: ORDER NO. SUBMITTED BY: APPROVED BY:	DATE: DATE: DATE:
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2½x2½x7 Series 80®-SC

Spacer Coupled Vertical
In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW _____ HEAD _____
 HP _____ RPM _____
 VOLTS _____
 CYCLE _____ PHASE _____
 ENCLOSURE _____
 APPROX. WEIGHT _____
 SPECIALS _____

MATERIALS OF CONSTRUCTION

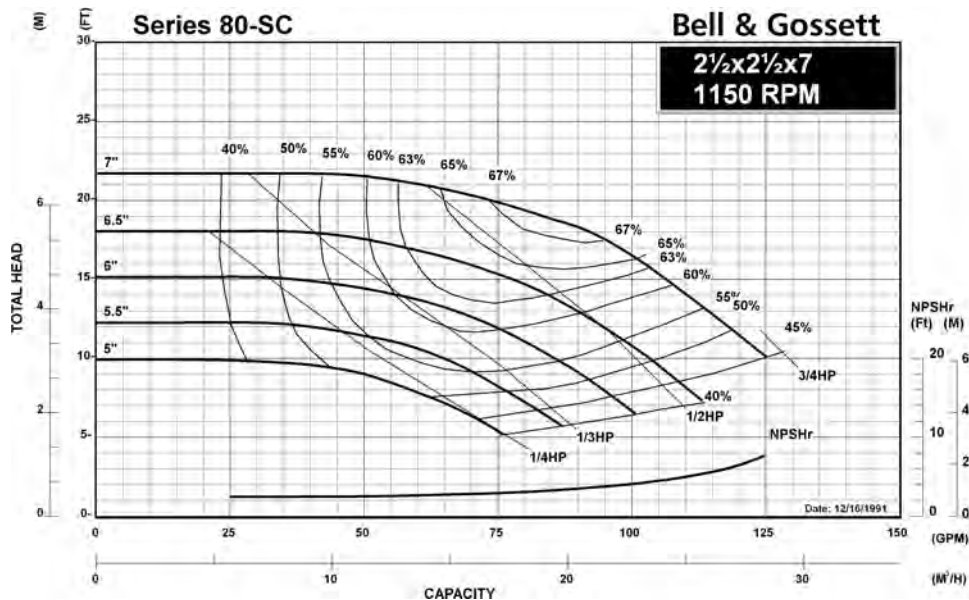
BRONZE FITTED ALL IRON

WORKING PRESSURE

175 psi (12 bar) W.P.
with 125# ANSI flange drilling
 250 psi (17 bar) W.P.
with 250# ANSI flange drilling

TYPE OF SEAL

STANDARD SEAL - Inside Unitized with flush line (EPR/Carbon-Ceramic)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)
 OPTIONAL SEAL - Inside Unitized with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 250 psi (17 bar)
 OPTIONAL SEAL - Outside Type "8B2"; with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)

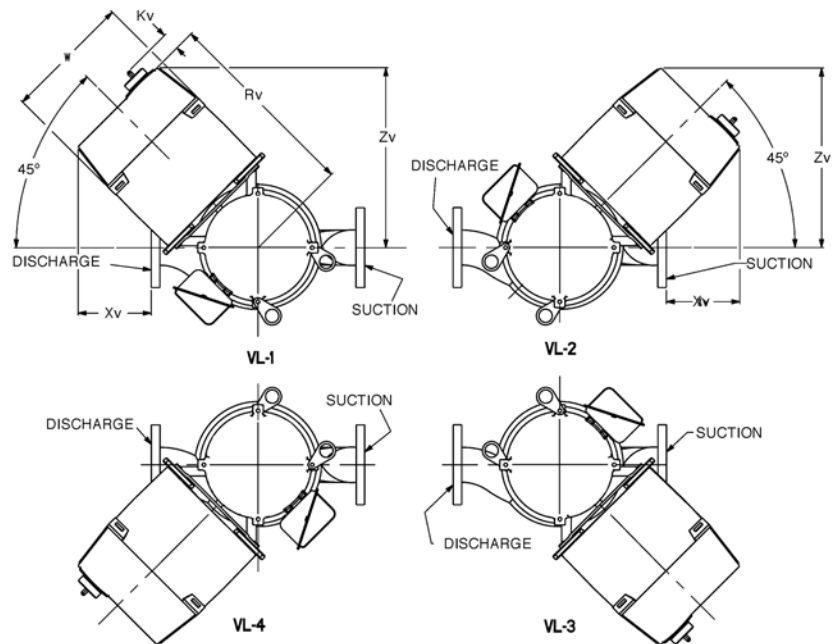
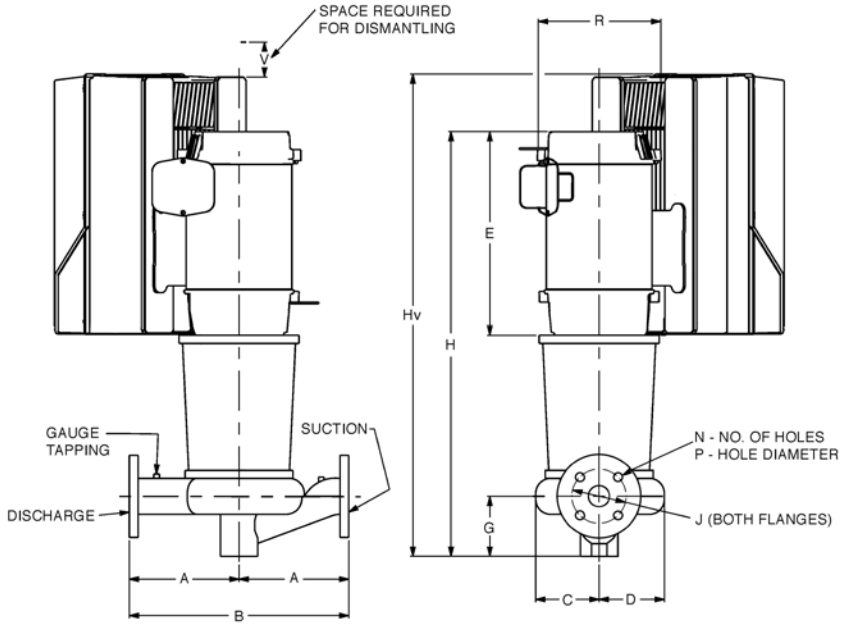




2 1/2 x 2 1/2 x 7 Series 80SC[®]

In-Line Mounted Centrifugal Pumps
With Optional Integrated Technologic[®] featuring Sensorless Control

TECHNOLOGIC STANDARD FEATURES	
CONTROL METHOD	Constant Pressure, Linear Control Curve, Quadratic Control Curve Factory configured for sensorless operation standard. Field configurable for use with a wired transducer.
ENCLOSURE	IP55 / NEMA 12 / UL type 12
POWER DISCONNECT SWITCH	Included standard. Fused Disconnect Switch optional.
EMI/RFI CONTROL	Integrated filter to meet EN62800-3.
HARMONIC SUPPRESSION	Integrated non-saturating dual DC link reactors provide better harmonic performance than a 5% AC line reactor.
COOLING	Fan-cooled through temperature controlled and easy replacement.
AMBIENT TEMPERATURE RATING	14°F to 113°F (-10°C to 45°C)
COMMUNICATION PROTOCOLS	BACnet, Modbus RTU, N2 Metasys, FLN Apogee
ANALOG INPUTS	2 configurable for either voltage (0 to 10VDC) or current(0/4 to 20mA)
ANALOG OUTPUTS	1 (0/4 to 20mA) up to 500 ohm load accurate to 1% of full scale
DIGITAL INPUTS	4 (0 to 24VDC), NPN or PNP, 0 to 24VDC, on 5 msec scan interval, Up to 2 can be configured as pulse inputs.
DIGITAL OUTPUTS	2 (0 to 24VDC), 40mA max current, configurable as pulse outputs.
RELAY OUTPUTS	2 programmable, 240VAC or 400VAC up to 2 A



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2¹/₂x2¹/₂x7 Series 80-SC[®]

In-Line Mounted Centrifugal Pumps
With Optional Integrated Technologic[®] featuring Sensorless Control

DIMENSIONS – Inches (mm)

TC SHAFT MOTORS

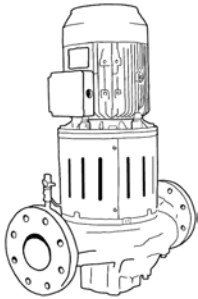
MOTOR FRAME	A	B	G	E	125# ANSI			250# ANSI			R	V (Min)	VFD	Rv	Zv	W	Hv	Xv	Kv
					J	N	P	J	N	P									
182TC	9 (229)	18 (457)	5-1/4 (133)	12-1/4 (311)	5-1/2 (140)	4	3/4 (19)	5-7/8 (149)	8	7/8 (22)	8-3/4 (222)	4-1/2 (114)	A5	12-25/32 (324)	12-1/32 (306)	9-1/2 (241)	32-3/16 (818)	3-1/32 (77)	1-1/2 (38.10)
184TC	9 (229)	18 (457)	5-1/4 (133)	13-1/4 (337)	5-1/2 (140)	4	3/4 (19)	5-7/8 (149)	8	7/8 (22)	8-3/4 (222)	4-1/2 (114)	A5	12-25/32 (324)	12-1/32 (306)	9-1/2 (241)	33-7/32 (844)	3-1/32 (77)	1-1/2 (38.10)
													B1	15-5/64 (383)	13-11/16 (348)	9-1/2 (241)	34-9/32 (871)	4-11/16 (119)	1-13/16 (45.72)
213TC	9 (229)	18 (457)	5-1/4 (133)	14-29/32 (378)	5-1/2 (140)	4	3/4 (19)	5-7/8 (149)	8	7/8 (22)	10-5/8 (270)	4-1/2 (114)	A5	13-17/32 (344)	12-9/16 (319)	9-1/2 (241)	32-3/32 (815)	3-9/16 (90)	1-1/2 (38.10)
													B1	15-53/64 (402)	14-7/32 (361)	9-1/2 (241)	33-17/32 (852)	5-7/32 (132)	1-13/16 (45.72)
215TC	9 (229)	18 (457)	5-1/4 (133)	14-29/32 (378)	5-1/2 (140)	4	3/4 (19)	5-7/8 (149)	8	7/8 (22)	10-5/8 (270)	4-1/2 (114)	A5	13-17/32 (344)	12-9/16 (319)	9-1/2 (241)	32-3/32 (815)	3-9/16 (90)	1-1/2 (38.10)
													B1	15-53/64 (402)	14-7/32 (361)	9-1/2 (241)	33-33/64 (851)	5-7/32 (132)	1-13/16 (45.72)
254TC	9 (229)	18 (457)	5-1/4 (133)	19-15/32 (494)	5-1/2 (140)	4	3/4 (19)	5-7/8 (149)	8	7/8 (22)	12-9/32 (312)	4-1/2 (114)	B1	16-53/64 (427)	14-59/64 (379)	9-1/2 (241)	38-43/64 (982)	5-59/64 (150)	1-13/16 (45.72)
													B2	16-53/64 (427)	14-59/64 (379)	9-1/2 (241)	43-9/64 (1096)	5-59/64 (150)	1-11/16 (43.18)

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<p>JOB:</p> <p>UNIT TAG:</p> <p>ENGINEER:</p> <p>CONTRACTOR:</p>	<p>REPRESENTATIVE:</p> <p>ORDER NO.</p> <p>SUBMITTED BY:</p> <p>APPROVED BY:</p>	<p>DATE:</p> <p>DATE:</p> <p>DATE:</p>
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2 1/2 x 2 1/2 x 9 1/2 B

Series 80[®]-SC

Spacer Coupled Vertical
In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW _____ HEAD _____

HP _____ RPM _____

VOLTS _____

CYCLE _____ PHASE _____

ENCLOSURE _____

APPROX. WEIGHT _____

SPECIALS _____

MATERIALS OF CONSTRUCTION

BRONZE FITTED ALL IRON

WORKING PRESSURE

175 psi (12 bar) W.P. with 125# ANSI flange drilling

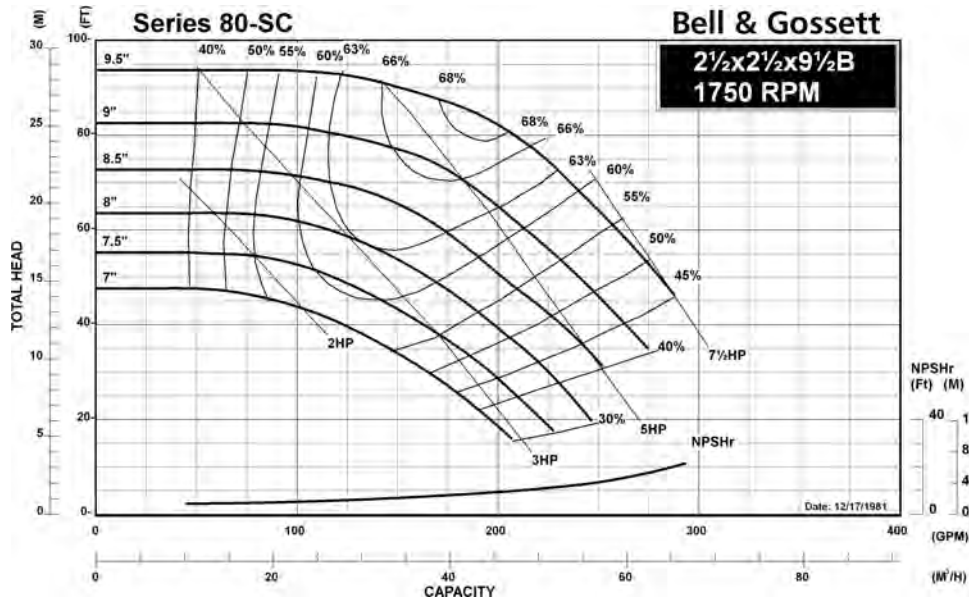
250 psi (17 bar) W.P. with 250# ANSI flange drilling

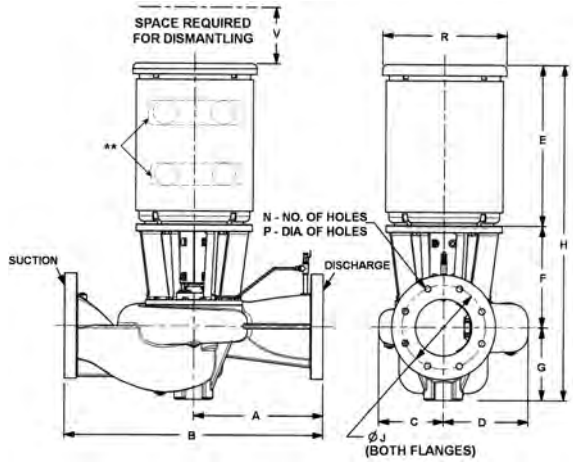
TYPE OF SEAL

STANDARD SEAL - Inside Unitized with flush line (EPR/Carbon-Ceramic)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)

OPTIONAL SEAL - Inside Unitized with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 250 psi (17 bar)

OPTIONAL SEAL - Outside Type "8B2"; with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)





FLANGE DIMENSIONS IN INCHES (MM)			
	SIZE	THICKNESS	O.D.
Discharge	2-1/2"	1 (25)	7-3/8 (187)
Suction	2-1/2"	1 (25)	7-3/8 (187)

VOLUTE BASE RING TAPPED FOR
2" - 125# ANSI FLANGE TO SUPPORT PUMP

** Motor may be supplied with feet

DIMENSIONS - Inches (mm)

TC SHAFT MOTORS

MOTOR FRAME	A	B	C	D	G	F	E	H	125# ANSI			250# ANSI			R	V (Min)
									J	N	P	J	N	P		
182TC	10-3/4 (273)	21-1/2 (546)	6-3/4 (171)	7-1/8 (181)	6 (152)	11-7/8 (302)	12-1/4 (311)	30-1/8 (765)	5-1/2 (140)	4	3/4 (19)	5-7/8 (149)	8 (22)	7/8 (22)	8-3/4 (222)	4-3/4 (121)
184TC	10-3/4 (273)	21-1/2 (546)	6-3/4 (171)	7-1/8 (181)	6 (152)	11-7/8 (302)	13-1/4 (337)	31-1/8 (791)	5-1/2 (140)	4	3/4 (19)	5-7/8 (149)	8 (22)	7/8 (22)	8-3/4 (222)	4-3/4 (121)
213TC	10-3/4 (273)	21-1/2 (546)	6-3/4 (171)	7-1/8 (181)	6 (152)	11-7/8 (302)	14-7/8 (378)	32-13/16 (833)	5-1/2 (140)	4	3/4 (19)	5-7/8 (149)	8 (22)	7/8 (22)	10-5/8 (270)	4-3/4 (121)
215TC	10-3/4 (273)	21-1/2 (546)	6-3/4 (171)	7-1/8 (181)	6 (152)	11-7/8 (302)	14-7/8 (378)	32-13/16 (833)	5-1/2 (140)	4	3/4 (19)	5-7/8 (149)	8 (22)	7/8 (22)	10-5/8 (270)	4-3/4 (121)

HP SHAFT MOTORS

MOTOR FRAME	A	B	C	D	G	F	E	H	125# ANSI			250# ANSI			R	V (Min)
									J	N	P	J	N	P		
143HP	10-3/4 (273)	21-1/2 (546)	6-3/4 (171)	7-1/8 (181)	6 (152)	11-7/8 (302)	11-13/16 (300)	29-11/16 (754)	5-1/2 (140)	4	3/4 (19)	5-7/8 (149)	8 (22)	7/8 (22)	7-1/16 (179)	4-3/4 (121)
145HP	10-3/4 (273)	21-1/2 (546)	6-3/4 (171)	7-1/8 (181)	6 (152)	11-7/8 (302)	12-13/16 (325)	30-11/16 (779)	5-1/2 (140)	4	3/4 (19)	5-7/8 (149)	8 (22)	7/8 (22)	7-1/16 (179)	4-3/4 (121)
182HP	10-3/4 (273)	21-1/2 (546)	6-3/4 (171)	7-1/8 (181)	6 (152)	11-7/8 (302)	13-7/8 (352)	31-13/16 (808)	5-1/2 (140)	4	3/4 (19)	5-7/8 (149)	8 (22)	7/8 (22)	8-3/4 (222)	4-3/4 (121)
184HP	10-3/4 (273)	21-1/2 (546)	6-3/4 (171)	7-1/8 (181)	6 (152)	11-7/8 (302)	14-7/8 (378)	32-13/16 (833)	5-1/2 (140)	4	3/4 (19)	5-7/8 (149)	8 (22)	7/8 (22)	8-3/4 (222)	4-3/4 (121)
213HP	10-3/4 (273)	21-1/2 (546)	6-3/4 (171)	7-1/8 (181)	6 (152)	11-7/8 (302)	17-1/4 (438)	35-3/16 (894)	5-1/2 (140)	4	3/4 (19)	5-7/8 (149)	8 (22)	7/8 (22)	10-5/8 (270)	4-3/4 (121)
215HP	10-3/4 (273)	21-1/2 (546)	6-3/4 (171)	7-1/8 (181)	6 (152)	11-7/8 (302)	18-3/4 (476)	36-11/16 (932)	5-1/2 (140)	4	3/4 (19)	5-7/8 (149)	8 (22)	7/8 (22)	10-5/8 (270)	4-3/4 (121)

IEC SHAFT MOTORS

MOTOR FRAME	A	B	C	D	G	F	E	H	125# ANSI			250# ANSI			R	V (Min)
									J	N	P	J	N	P		
80	10-3/4 (273)	21-1/2 (546)	6-3/4 (171)	7-1/8 (181)	6 (152)	11-7/8 (302)	9-15/16 (252)	27-7/8 (708)	5-1/2 (140)	4	3/4 (19)	5-7/8 (149)	8 (22)	7/8 (22)	6-7/8 (175)	4-3/4 (121)
90	10-3/4 (273)	21-1/2 (546)	6-3/4 (171)	7-1/8 (181)	6 (152)	11-7/8 (302)	11-5/8 (295)	29-1/2 (749)	5-1/2 (140)	4	3/4 (19)	5-7/8 (149)	8 (22)	7/8 (22)	7-1/2 (190)	4-3/4 (121)
100L	10-3/4 (273)	21-1/2 (546)	6-3/4 (171)	7-1/8 (181)	6 (152)	11-7/8 (302)	12-11/16 (322)	30-9/16 (776)	5-1/2 (140)	4	3/4 (19)	5-7/8 (149)	8 (22)	7/8 (22)	8-1/4 (210)	4-3/4 (121)
112M	10-3/4 (273)	21-1/2 (546)	6-3/4 (171)	7-1/8 (181)	6 (152)	11-7/8 (302)	13-9/16 (344)	31-1/2 (800)	5-1/2 (140)	4	3/4 (19)	5-7/8 (149)	8 (22)	7/8 (22)	9-5/16 (237)	4-3/4 (121)

Dimensions are subject to change. Not to be used for construction purposes unless certified.

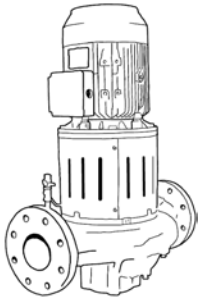
NOTE: For TEFC add 1-1/2" to dimensions E & H.

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<p>JOB:</p> <p>UNIT TAG:</p> <p>ENGINEER:</p> <p>CONTRACTOR:</p>	<p>REPRESENTATIVE:</p> <p>ORDER NO.</p> <p>SUBMITTED BY:</p> <p>APPROVED BY:</p>	<p>DATE:</p> <p>DATE:</p> <p>DATE:</p>
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2 1/2 x 2 1/2 x 9 1/2 B

Series 80[®]-SC

Spacer Coupled Vertical
In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW _____ HEAD _____

HP _____ RPM _____

VOLTS _____

CYCLE _____ PHASE _____

ENCLOSURE _____

APPROX. WEIGHT _____

SPECIALS _____

MATERIALS OF CONSTRUCTION

BRONZE FITTED ALL IRON

WORKING PRESSURE

175 psi (12 bar) W.P. with 125# ANSI flange drilling

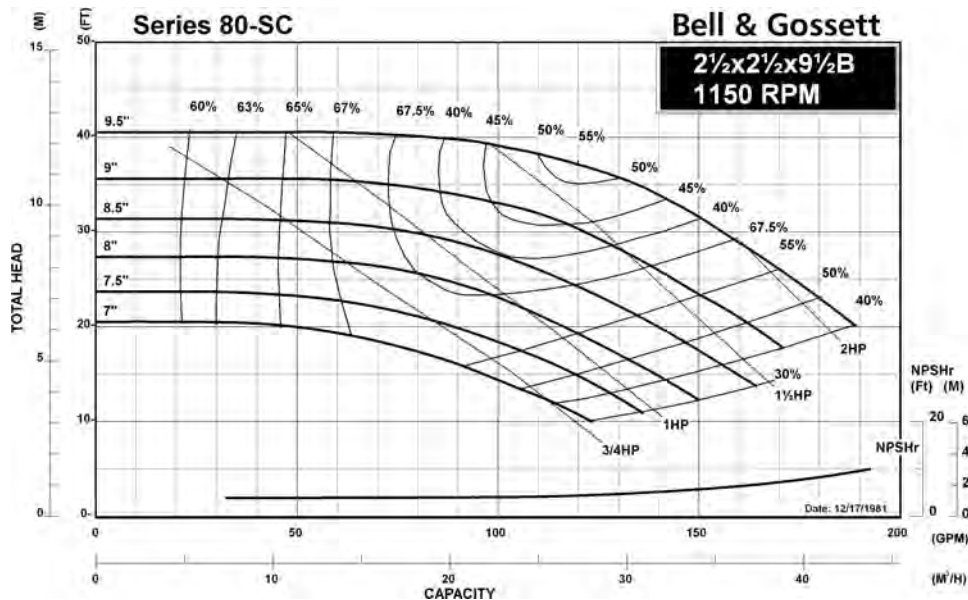
250 psi (17 bar) W.P. with 250# ANSI flange drilling

TYPE OF SEAL

STANDARD SEAL - Inside Unitized with flush line (EPR/Carbon-Ceramic)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)

OPTIONAL SEAL - Inside Unitized with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 250 psi (17 bar)

OPTIONAL SEAL - Outside Type "8B2"; with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)

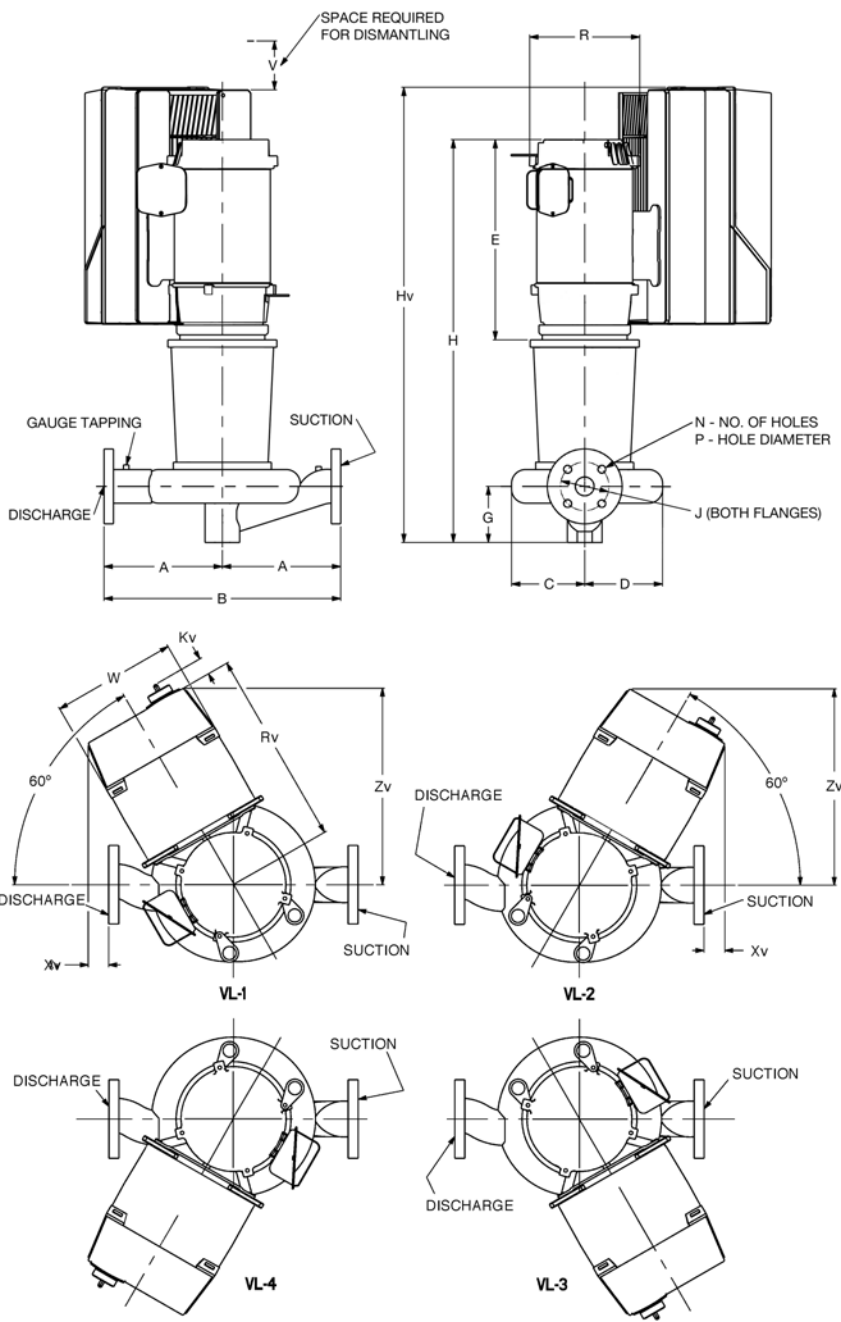




2 1/2 x 2 1/2 x 9 1/2 B Series 80SC®

In-Line Mounted Centrifugal Pumps
With Optional Integrated Technologic® featuring Sensorless Control

TECHNOLOGIC STANDARD FEATURES	
CONTROL METHOD	Constant Pressure, Linear Control Curve, Quadratic Control Curve Factory configured for sensorless operation standard. Field configurable for use with a wired transducer.
ENCLOSURE	IP55 / NEMA 12 / UL type 12
POWER DISCONNECT SWITCH	Included standard. Fused Disconnect Switch optional.
EMI/RFI CONTROL	Integrated filter to meet EN62800-3.
HARMONIC SUPPRESSION	Integrated non-saturating dual DC link reactors provide better harmonic performance than a 5% AC line reactor.
COOLING	Fan-cooled through temperature controlled and easy replacement.
AMBIENT TEMPERATURE RATING	14°F to 113°F (-10°C to 45°C)
COMMUNICATION PROTOCOLS	BACnet, Modbus RTU, N2 Metasys, FLN Apogee
ANALOG INPUTS	2 configurable for either voltage (0 to 10VDC) or current (0/4 to 20mA)
ANALOG OUTPUTS	1 (0/4 to 20mA) up to 500 ohm load accurate to 1% of full scale
DIGITAL INPUTS	4 (0 to 24VDC), NPN or PNP, 0 to 24VDC, on 5 msec scan interval, Up to 2 can be configured as pulse inputs.
DIGITAL OUTPUTS	2 (0 to 24VDC), 40mA max current, configurable as pulse outputs.
RELAY OUTPUTS	2 programmable, 240VAC or 400VAC up to 2 A



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2½x2½x9½B Series 80-SC®

In-Line Mounted Centrifugal Pumps
With Optional Integrated Technologic® featuring Sensorless Control

DIMENSIONS – Inches (mm)

TC SHAFT MOTORS

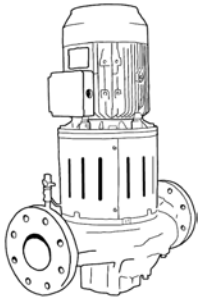
MOTOR FRAME	A	B	G	E	125# ANSI			250# ANSI			R	V (Min)	VFD	Rv	Zv	W	Hv	Xv	Kv
					J	N	P	J	N	P									
182TC	10-3/4 (273)	21-1/2 (546)	6 (152)	12-1/4 (311)	5-1/2 (140)	4	3/4 (19)	5-7/8 (149)	8	7/8 (22)	8-3/4 (222)	4-3/4 (121)	A5	12-25/32 (324)	13-3/16 (335)	9-1/2 (241)	32-29/32 (836)	11/16 (18)	1-1/2 (38.10)
184TC	10-3/4 (273)	21-1/2 (546)	6 (152)	13-1/4 (337)	5-1/2 (140)	4	3/4 (19)	5-7/8 (149)	8	7/8 (22)	8-3/4 (222)	4-3/4 (121)	A5	12-25/32 (324)	13-3/16 (335)	9-1/2 (241)	33-29/32 (861)	11/16 (18)	1-1/2 (38.10)
213TC	10-3/4 (273)	21-1/2 (546)	6 (152)	14-7/8 (378)	5-1/2 (140)	4	3/4 (19)	5-7/8 (149)	8	7/8 (22)	10-5/8 (270)	4-3/4 (121)	A5	13-17/32 (344)	13-53/64 (351)	9-1/2 (241)	32-13/16 (833)	5/16 (8)	1-1/2 (38.10)
													B1	15-53/64 (402)	15-27/32 (402)	9-1/2 (241)	34-1/4 (870)	7/8 (22)	1-13/16 (45.72)
215TC	10-3/4 (273)	21-1/2 (546)	6 (152)	14-7/8 (378)	5-1/2 (140)	4	3/4 (19)	5-7/8 (149)	8	7/8 (22)	10-5/8 (270)	4-3/4 (121)	A5	13-17/32 (344)	13-53/64 (351)	9-1/2 (241)	32-13/16 (833)	5/16 (8)	1-1/2 (38.10)
													B1	15-53/64 (402)	15-27/32 (402)	9-1/2 (241)	34-15/64 (869)	7/8 (22)	1-13/16 (45.72)

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<p>JOB:</p> <p>UNIT TAG:</p> <p>ENGINEER:</p> <p>CONTRACTOR:</p>	<p>REPRESENTATIVE:</p> <p>ORDER NO.</p> <p>SUBMITTED BY:</p> <p>APPROVED BY:</p>	<p>DATE:</p> <p>DATE:</p> <p>DATE:</p>
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2x2x7

Series 80[®]-SC

Spacer Coupled Vertical
In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW _____ HEAD _____

HP _____ RPM _____

VOLTS _____

CYCLE _____ PHASE _____

ENCLOSURE _____

APPROX. WEIGHT _____

SPECIALS _____

MATERIALS OF CONSTRUCTION

BRONZE FITTED ALL IRON

WORKING PRESSURE

175 psi (12 bar) W.P. with 125# ANSI flange drilling

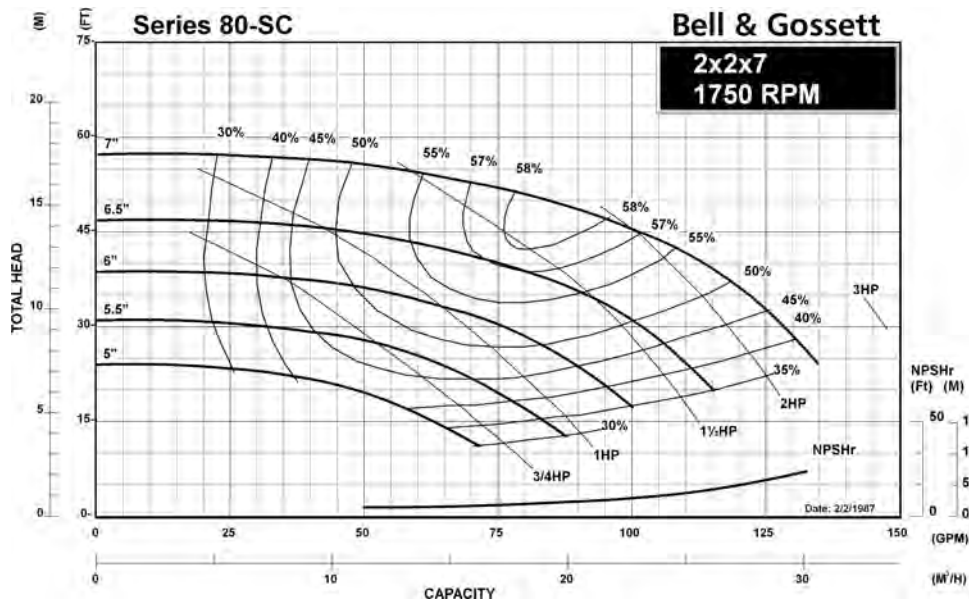
250 psi (17 bar) W.P. with 250# ANSI flange drilling

TYPE OF SEAL

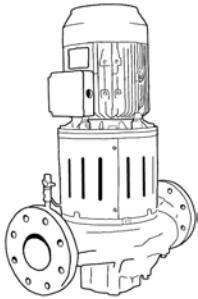
STANDARD SEAL - Inside Unitized with flush line (EPR/Carbon-Ceramic)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)

OPTIONAL SEAL - Inside Unitized with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 250 psi (17 bar)

OPTIONAL SEAL - Outside Type "8B2"; with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)



<p>JOB:</p> <p>UNIT TAG:</p> <p>ENGINEER:</p> <p>CONTRACTOR:</p>	<p>REPRESENTATIVE:</p> <p>ORDER NO.</p> <p>SUBMITTED BY:</p> <p>APPROVED BY:</p>	<p>DATE:</p> <p>DATE:</p> <p>DATE:</p>
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2x2x7

Series 80[®]-SC

Spacer Coupled Vertical
In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW _____ HEAD _____

HP _____ RPM _____

VOLTS _____

CYCLE _____ PHASE _____

ENCLOSURE _____

APPROX. WEIGHT _____

SPECIALS _____

MATERIALS OF CONSTRUCTION

BRONZE FITTED ALL IRON

WORKING PRESSURE

175 psi (12 bar) W.P. with 125# ANSI flange drilling

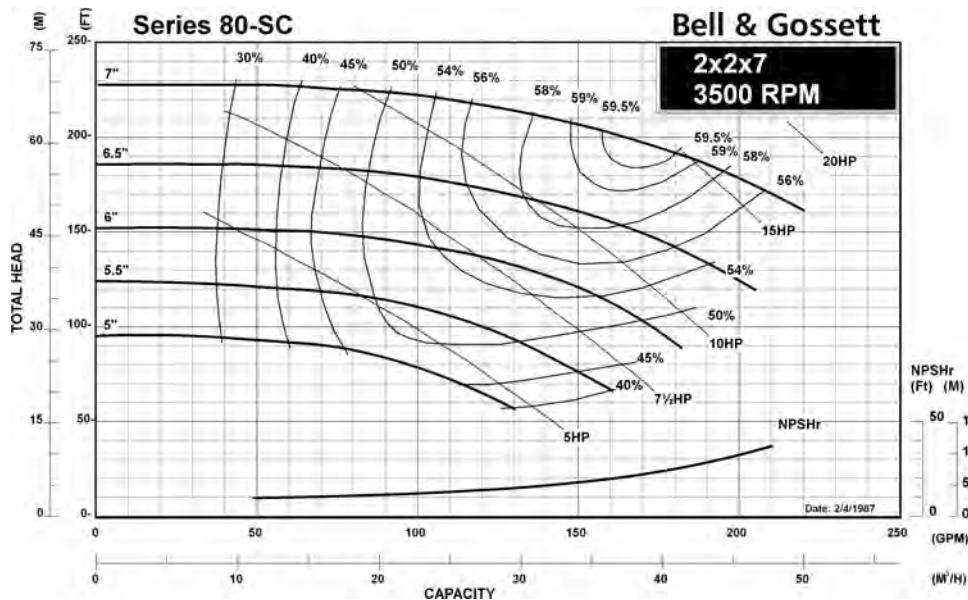
250 psi (17 bar) W.P. with 250# ANSI flange drilling

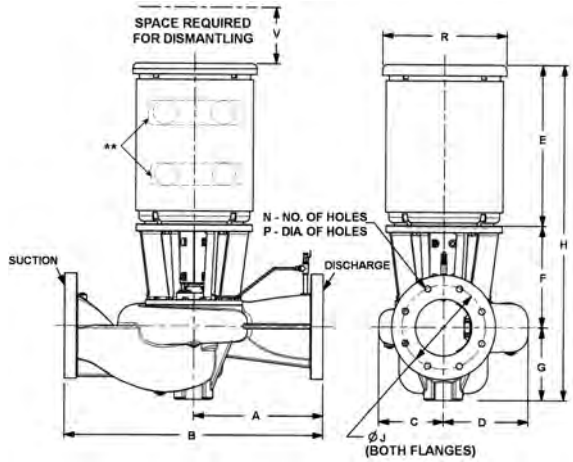
TYPE OF SEAL

STANDARD SEAL - Inside Unitized with flush line (EPR/Carbon-Ceramic)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)

OPTIONAL SEAL - Inside Unitized with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 250 psi (17 bar)

OPTIONAL SEAL - Outside Type "8B2"; with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)





FLANGE DIMENSIONS IN INCHES (MM)			
	SIZE	THICKNESS	O.D.
Discharge	2"	7/8 (22)	6-1/4 (159)
Suction	2"	7/8 (22)	6-1/4 (159)

**VOLUTE BASE RING TAPPED FOR
1-1/2" - 125# ANSI FLANGE TO SUPPORT PUMP**

** Motor may be supplied with feet

DIMENSIONS - Inches (mm)

TC SHAFT MOTORS

MOTOR FRAME	A	B	C	D	G	F	E	H	125# ANSI			250# ANSI			R	V (Min)
									J	N	P	J	N	P		
182TC	8-1/2 (216)	17 (432)	4-3/4 (121)	5-1/4 (133)	4-7/8 (124)	11-3/4 (298)	12-1/4 (311)	28-7/8 (733)	4-3/4 (121)	4	3/4 (19)	5 (127)	8	3/4 (19)	8-3/4 (222)	4 (102)
184TC	8-1/2 (216)	17 (432)	4-3/4 (121)	5-1/4 (133)	4-7/8 (124)	11-3/4 (298)	13-1/4 (337)	29-7/8 (759)	4-3/4 (121)	4	3/4 (19)	5 (127)	8	3/4 (19)	8-3/4 (222)	4 (102)
213TC	8-1/2 (216)	17 (432)	4-3/4 (121)	5-1/4 (133)	4-7/8 (124)	11-3/4 (298)	14-7/8 (378)	31-9/16 (802)	4-3/4 (121)	4	3/4 (19)	5 (127)	8	3/4 (19)	10-5/8 (270)	4 (102)
215TC	8-1/2 (216)	17 (432)	4-3/4 (121)	5-1/4 (133)	4-7/8 (124)	11-3/4 (298)	14-7/8 (378)	31-9/16 (802)	4-3/4 (121)	4	3/4 (19)	5 (127)	8	3/4 (19)	10-5/8 (270)	4 (102)
254TC	8-1/2 (216)	17 (432)	4-3/4 (121)	5-1/4 (133)	4-7/8 (124)	11-3/4 (298)	19-7/16 (494)	36-1/8 (918)	4-3/4 (121)	4	3/4 (19)	5 (127)	8	3/4 (19)	12-5/16 (313)	4 (102)

HP SHAFT MOTORS

MOTOR FRAME	A	B	C	D	G	F	E	H	125# ANSI			250# ANSI			R	V (Min)
									J	N	P	J	N	P		
143HP	8-1/2 (216)	17 (432)	4-3/4 (121)	5-1/4 (133)	4-7/8 (124)	11-3/4 (298)	11-13/16 (300)	28-7/16 (722)	4-3/4 (121)	4	3/4 (19)	5 (127)	8	3/4 (19)	7-1/16 (179)	4 (102)
145HP	8-1/2 (216)	17 (432)	4-3/4 (121)	5-1/4 (133)	4-7/8 (124)	11-3/4 (298)	12-13/16 (325)	29-7/16 (748)	4-3/4 (121)	4	3/4 (19)	5 (127)	8	3/4 (19)	7-1/16 (179)	4 (102)
182HP	8-1/2 (216)	17 (432)	4-3/4 (121)	5-1/4 (133)	4-7/8 (124)	11-3/4 (298)	13-7/8 (352)	30-9/16 (776)	4-3/4 (121)	4	3/4 (19)	5 (127)	8	3/4 (19)	8-3/4 (222)	4 (102)
184HP	8-1/2 (216)	17 (432)	4-3/4 (121)	5-1/4 (133)	4-7/8 (124)	11-3/4 (298)	14-7/8 (378)	31-9/16 (802)	4-3/4 (121)	4	3/4 (19)	5 (127)	8	3/4 (19)	8-3/4 (222)	4 (102)
213HP	8-1/2 (216)	17 (432)	4-3/4 (121)	5-1/4 (133)	4-7/8 (124)	11-3/4 (298)	17-1/4 (438)	33-15/16 (862)	4-3/4 (121)	4	3/4 (19)	5 (127)	8	3/4 (19)	10-5/8 (270)	4 (102)
215HP	8-1/2 (216)	17 (432)	4-3/4 (121)	5-1/4 (133)	4-7/8 (124)	11-3/4 (298)	18-3/4 (476)	35-7/16 (900)	4-3/4 (121)	4	3/4 (19)	5 (127)	8	3/4 (19)	10-5/8 (270)	4 (102)
254HP	8-1/2 (216)	17 (432)	4-3/4 (121)	5-1/4 (133)	4-7/8 (124)	11-3/4 (298)	22-3/8 (568)	39(991)	4-3/4 (121)	4	3/4 (19)	5 (127)	8	3/4 (19)	12-5/16 (313)	4 (102)

IEC SHAFT MOTORS

MOTOR FRAME	A	B	C	D	G	F	E	H	125# ANSI			250# ANSI			R	V (Min)
									J	N	P	J	N	P		
80	8-1/2 (216)	17 (432)	4-3/4 (121)	5-1/4 (133)	4-7/8 (124)	11-3/4 (298)	9-15/16 (252)	26-5/8 (676)	4-3/4 (121)	4	3/4 (19)	5 (127)	8	3/4 (19)	6-7/8 (175)	4 (102)
90	8-1/2 (216)	17 (432)	4-3/4 (121)	5-1/4 (133)	4-7/8 (124)	11-3/4 (298)	11-5/8 (295)	28-1/4 (718)	4-3/4 (121)	4	3/4 (19)	5 (127)	8	3/4 (19)	7-1/2 (190)	4 (102)
100L	8-1/2 (216)	17 (432)	4-3/4 (121)	5-1/4 (133)	4-7/8 (124)	11-3/4 (298)	12-11/16 (322)	29-5/16 (745)	4-3/4 (121)	4	3/4 (19)	5 (127)	8	3/4 (19)	8-1/4 (210)	4 (102)
112M	8-1/2 (216)	17 (432)	4-3/4 (121)	5-1/4 (133)	4-7/8 (124)	11-3/4 (298)	13-9/16 (344)	30-1/4 (768)	4-3/4 (121)	4	3/4 (19)	5 (127)	8	3/4 (19)	9-5/16 (237)	4 (102)
132	8-1/2 (216)	17 (432)	4-3/4 (121)	5-1/4 (133)	4-7/8 (124)	11-3/4 (298)	17-1/8 (435)	33-3/4 (857)	4-3/4 (121)	4	3/4 (19)	5 (127)	8	3/4 (19)	10-13/16 (275)	4 (102)

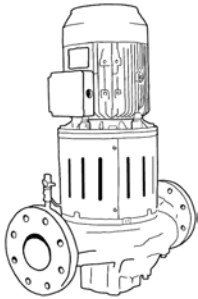
Dimensions are subject to change. Not to be used for construction purposes unless certified.

NOTE: For TEFC add 1-1/2" to dimensions E & H.

Xylem Inc.
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<p>JOB:</p> <p>UNIT TAG:</p> <p>ENGINEER:</p> <p>CONTRACTOR:</p>	<p>REPRESENTATIVE:</p> <p>ORDER NO.</p> <p>SUBMITTED BY:</p> <p>APPROVED BY:</p>	<p>DATE:</p> <p>DATE:</p> <p>DATE:</p>
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2x2x7

Series 80[®]-SC

Spacer Coupled Vertical
In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW _____ HEAD _____

HP _____ RPM _____

VOLTS _____

CYCLE _____ PHASE _____

ENCLOSURE _____

APPROX. WEIGHT _____

SPECIALS _____

MATERIALS OF CONSTRUCTION

BRONZE FITTED ALL IRON

WORKING PRESSURE

175 psi (12 bar) W.P. with 125# ANSI flange drilling

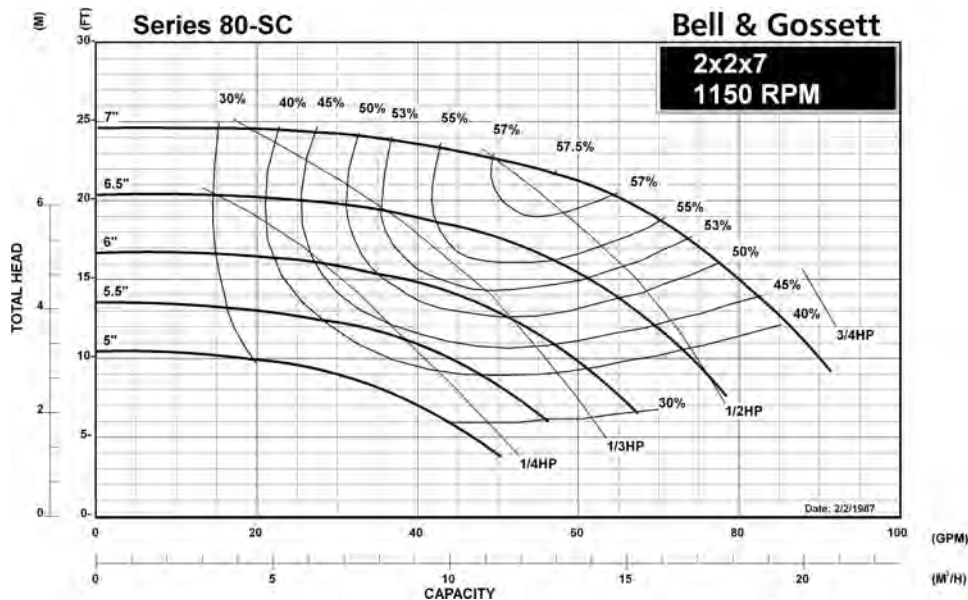
250 psi (17 bar) W.P. with 250# ANSI flange drilling

TYPE OF SEAL

STANDARD SEAL - Inside Unitized with flush line (EPR/Carbon-Ceramic)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)

OPTIONAL SEAL - Inside Unitized with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 250 psi (17 bar)

OPTIONAL SEAL - Outside Type "8B2"; with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)

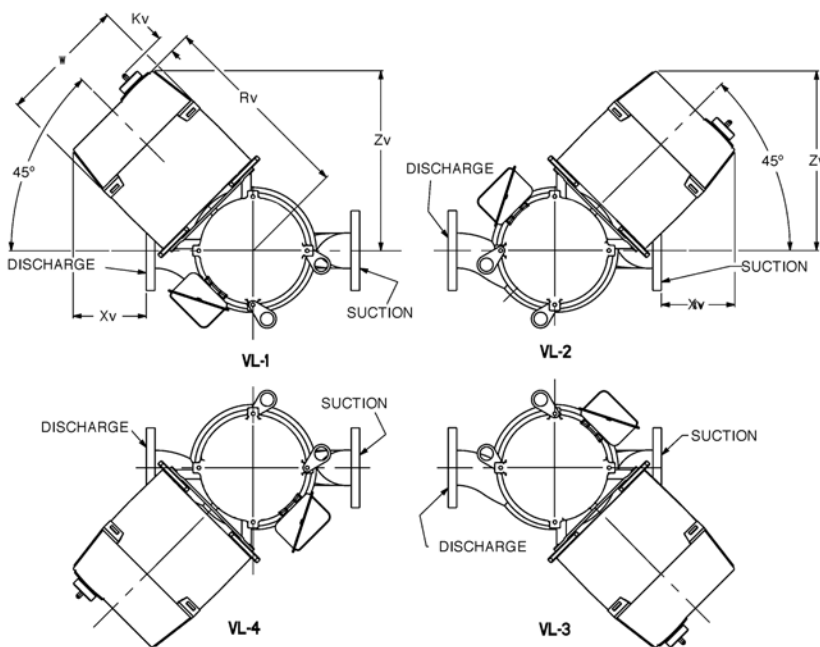
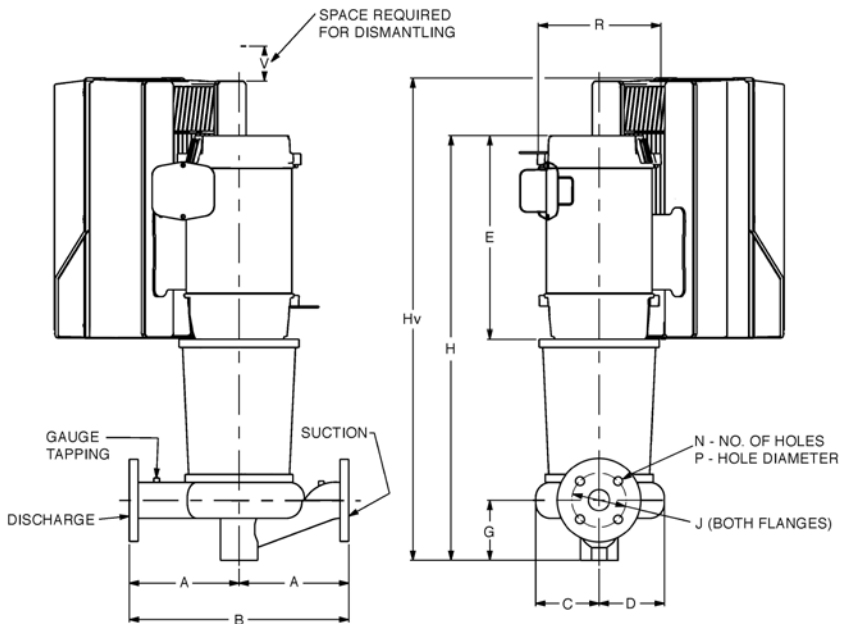




2x2x7 Series 80SC[®]

In-Line Mounted Centrifugal Pumps
With Optional Integrated Technologic[®] featuring Sensorless Control

TECHNOLOGIC STANDARD FEATURES	
CONTROL METHOD	Constant Pressure, Linear Control Curve, Quadratic Control Curve Factory configured for sensorless operation standard. Field configurable for use with a wired transducer.
ENCLOSURE	IP55 / NEMA 12 / UL type 12
POWER DISCONNECT SWITCH	Included standard. Fused Disconnect Switch optional.
EMI/RFI CONTROL	Integrated filter to meet EN62800-3.
HARMONIC SUPPRESSION	Integrated non-saturating dual DC link reactors provide better harmonic performance than a 5% AC line reactor.
COOLING	Fan-cooled through temperature controlled and easy replacement.
AMBIENT TEMPERATURE RATING	14°F to 113°F (-10°C to 45°C)
COMMUNICATION PROTOCOLS	BACnet, Modbus RTU, N2 Metasys, FLN Apogee
ANALOG INPUTS	2 configurable for either voltage (0 to 10VDC) or current(0/4 to 20mA)
ANALOG OUTPUTS	1 (0/4 to 20mA) up to 500 ohm load accurate to 1% of full scale
DIGITAL INPUTS	4 (0 to 24VDC), NPN or PNP, 0 to 24VDC, on 5 msec scan interval, Up to 2 can be configured as pulse inputs.
DIGITAL OUTPUTS	2 (0 to 24VDC), 40mA max current, configurable as pulse outputs.
RELAY OUTPUTS	2 programmable, 240VAC or 400VAC up to 2 A



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2x2x7 Series 80-SC[®]

In-Line Mounted Centrifugal Pumps
With Optional Integrated Technologic[®] featuring Sensorless Control

DIMENSIONS – Inches (mm)

TC SHAFT MOTORS

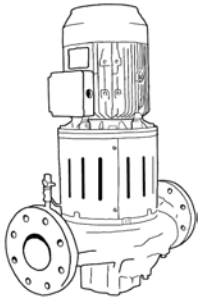
MOTOR FRAME	A	B	G	E	125# ANSI			250# ANSI			R	V (Min)	VFD	Rv	Zv	W	Hv	Xv	Kv
					J	N	P	J	N	P									
182TC	8-1/2 (216)	17 (432)	4-7/8 (124)	12-1/4 (311)	4-3/4 (121)	4 (102)	3/4 (19)	5 (127)	8 (203)	3/4 (19)	8-3/4 (222)	4 (102)	A5	12-25/32 (324)	12-1/32 (306)	9-1/2 (241)	31-21/32 (804)	3-17/32 (90)	1-1/2 (38.10)
184TC	8-1/2 (216)	17 (432)	4-7/8 (124)	13-1/4 (337)	4-3/4 (121)	4 (102)	3/4 (19)	5 (127)	8 (203)	3/4 (19)	8-3/4 (222)	4 (102)	A5	12-25/32 (324)	12-1/32 (306)	9-1/2 (241)	32-21/32 (829)	3-17/32 (90)	1-1/2 (38.10)
													B1	15-5/64 (383)	13-11/16 (348)	9-1/2 (241)	33-23/32 (856)	5-3/16 (132)	1-13/16 (45.72)
213TC	8-1/2 (216)	17 (432)	4-7/8 (124)	14-7/8 (378)	4-3/4 (121)	4 (102)	3/4 (19)	5 (127)	8 (203)	3/4 (19)	10-5/8 (270)	4 (102)	A5	13-17/32 (344)	12-9/16 (319)	9-1/2 (241)	31-9/16 (802)	4-1/16 (103)	1-1/2 (38.10)
													B1	15-53/64 (402)	14-7/32 (361)	9-1/2 (241)	33 (838)	5-23/32 (145)	1-13/16 (45.72)
215TC	8-1/2 (216)	17 (432)	4-7/8 (124)	14-7/8 (378)	4-3/4 (121)	4 (102)	3/4 (19)	5 (127)	8 (203)	3/4 (19)	10-5/8 (270)	4 (102)	A5	13-17/32 (344)	12-9/16 (319)	9-1/2 (241)	31-9/16 (802)	4-1/16 (103)	1-1/2 (38.10)
													B1	15-53/64 (402)	14-7/32 (361)	9-1/2 (241)	32-63/64 (838)	5-23/32 (145)	1-13/16 (45.72)
254TC	8-1/2 (216)	17 (432)	4-7/8 (124)	19-7/16 (494)	4-3/4 (121)	4 (102)	3/4 (19)	5 (127)	8 (203)	3/4 (19)	12-5/16 (313)	4 (102)	B1	16-53/64 (427)	14-59/64 (379)	9-1/2 (241)	38-11/64 (970)	6-27/64 (163)	1-13/16 (45.72)
													B2	16-53/64 (427)	14-59/64 (379)	9-1/2 (241)	42-41/64 (1083)	6-27/64 (163)	1-11/16 (43.18)

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Let's Solve Water

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<p>JOB:</p> <p>UNIT TAG:</p> <p>ENGINEER:</p> <p>CONTRACTOR:</p>	<p>REPRESENTATIVE:</p> <p>ORDER NO.</p> <p>SUBMITTED BY:</p> <p>APPROVED BY:</p>	<p>DATE:</p> <p>DATE:</p> <p>DATE:</p>
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2x2x9¹/₂B

Series 80[®]-SC

Spacer Coupled Vertical
In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW _____ HEAD _____

HP _____ RPM _____

VOLTS _____

CYCLE _____ PHASE _____

ENCLOSURE _____

APPROX. WEIGHT _____

SPECIALS _____

MATERIALS OF CONSTRUCTION

BRONZE FITTED ALL IRON

WORKING PRESSURE

175 psi (12 bar) W.P. with 125# ANSI flange drilling

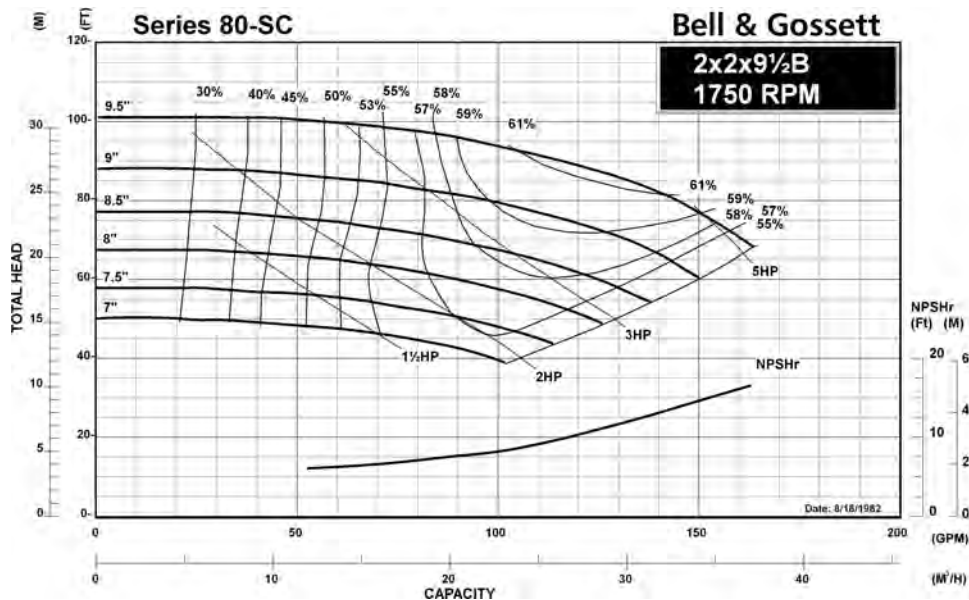
250 psi (17 bar) W.P. with 250# ANSI flange drilling

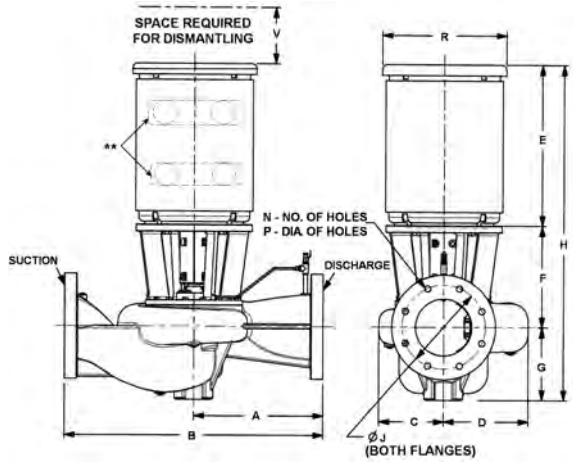
TYPE OF SEAL

STANDARD SEAL - Inside Unitized with flush line (EPR/Carbon-Ceramic)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)

OPTIONAL SEAL - Inside Unitized with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 250 psi (17 bar)

OPTIONAL SEAL - Outside Type "8B2"; with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)





FLANGE DIMENSIONS IN INCHES (MM)			
	SIZE	THICKNESS	O.D.
Discharge	2"	7/8 (21)	6-1/4 (159)
Suction	2"	7/8 (21)	6-1/4 (159)

**VOLUTE BASE RING TAPPED FOR
2" - 125# ANSI FLANGE TO SUPPORT PUMP**

** Motor may be supplied with feet

DIMENSIONS - Inches (mm)

TC SHAFT MOTORS

MOTOR FRAME	A	B	C	D	G	F	E	H	125# ANSI			250# ANSI			R	V (Min)
									J	N	P	J	N	P		
182TC	10 (254)	20 (508)	6 (152)	6-5/8 (168)	5-3/8 (137)	11-13/16 (300)	12-1/4 (311)	29-7/16 (748)	4-3/4 (121)	4	3/4 (19)	5 (127)	8	3/4 (19)	8-3/4 (222)	4-1/2 (114)
184TC	10 (254)	20 (508)	6 (152)	6-5/8 (168)	5-3/8 (137)	11-13/16 (300)	13-1/4 (337)	30-7/16 (773)	4-3/4 (121)	4	3/4 (19)	5 (127)	8	3/4 (19)	8-3/4 (222)	4-1/2 (114)
213TC	10 (254)	20 (508)	6 (152)	6-5/8 (168)	5-3/8 (137)	11-13/16 (300)	14-7/8 (378)	32-1/8 (816)	4-3/4 (121)	4	3/4 (19)	5 (127)	8	3/4 (19)	10-5/8 (270)	4-1/2 (114)

HP SHAFT MOTORS

MOTOR FRAME	A	B	C	D	G	F	E	H	125# ANSI			250# ANSI			R	V (Min)
									J	N	P	J	N	P		
143HP	10 (254)	20 (508)	6 (152)	6-5/8 (168)	5-3/8 (137)	11-13/16 (300)	11-13/16 (300)	29 (737)	4-3/4 (121)	4	3/4 (19)	5 (127)	8	3/4 (19)	7-1/16 (179)	4-1/2 (114)
145HP	10 (254)	20 (508)	6 (152)	6-5/8 (168)	5-3/8 (137)	11-13/16 (300)	12-13/16 (325)	30 (762)	4-3/4 (121)	4	3/4 (19)	5 (127)	8	3/4 (19)	7-1/16 (179)	4-1/2 (114)
182HP	10 (254)	20 (508)	6 (152)	6-5/8 (168)	5-3/8 (137)	11-13/16 (300)	13-7/8 (352)	31-1/8 (791)	4-3/4 (121)	4	3/4 (19)	5 (127)	8	3/4 (19)	8-3/4 (222)	4-1/2 (114)
184HP	10 (254)	20 (508)	6 (152)	6-5/8 (168)	5-3/8 (137)	11-13/16 (300)	14-7/8 (378)	32-1/8 (816)	4-3/4 (121)	4	3/4 (19)	5 (127)	8	3/4 (19)	8-3/4 (222)	4-1/2 (114)
213HP	10 (254)	20 (508)	6 (152)	6-5/8 (168)	5-3/8 (137)	11-13/16 (300)	17-1/4 (438)	34-7/16 (875)	4-3/4 (121)	4	3/4 (19)	5 (127)	8	3/4 (19)	10-5/8 (270)	4-1/2 (114)

IEC SHAFT MOTORS

MOTOR FRAME	A	B	C	D	G	F	E	H	125# ANSI			250# ANSI			R	V (Min)
									J	N	P	J	N	P		
80	10 (254)	20 (508)	6 (152)	6-5/8 (168)	5-3/8 (137)	11-13/16 (300)	9-15/16 (252)	27-3/16 (691)	4-3/4 (121)	4	3/4 (19)	5 (127)	8	3/4 (19)	6-7/8 (175)	4-1/2 (114)
90	10 (254)	20 (508)	6 (152)	6-5/8 (168)	5-3/8 (137)	11-13/16 (300)	11-5/8 (295)	28-13/16 (732)	4-3/4 (121)	4	3/4 (19)	5 (127)	8	3/4 (19)	7-1/2 (190)	4-1/2 (114)
100L	10 (254)	20 (508)	6 (152)	6-5/8 (168)	5-3/8 (137)	11-13/16 (300)	12-11/16 (322)	29-7/8 (759)	4-3/4 (121)	4	3/4 (19)	5 (127)	8	3/4 (19)	8-1/4 (210)	4-1/2 (114)

Dimensions are subject to change. Not to be used for construction purposes unless certified.

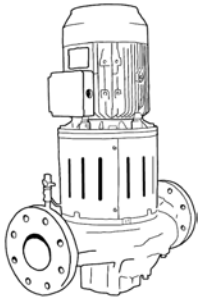
NOTE: For TEFC add 1-1/2" to dimensions E & H.

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JOB: UNIT TAG: ENGINEER: CONTRACTOR:	REPRESENTATIVE: ORDER NO. SUBMITTED BY: APPROVED BY:	DATE: DATE: DATE:
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2x2x9¹/₂B

Series 80[®]-SC

Spacer Coupled Vertical
In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW _____ HEAD _____

HP _____ RPM _____

VOLTS _____

CYCLE _____ PHASE _____

ENCLOSURE _____

APPROX. WEIGHT _____

SPECIALS _____

MATERIALS OF CONSTRUCTION

BRONZE FITTED ALL IRON

WORKING PRESSURE

175 psi (12 bar) W.P. with 125# ANSI flange drilling

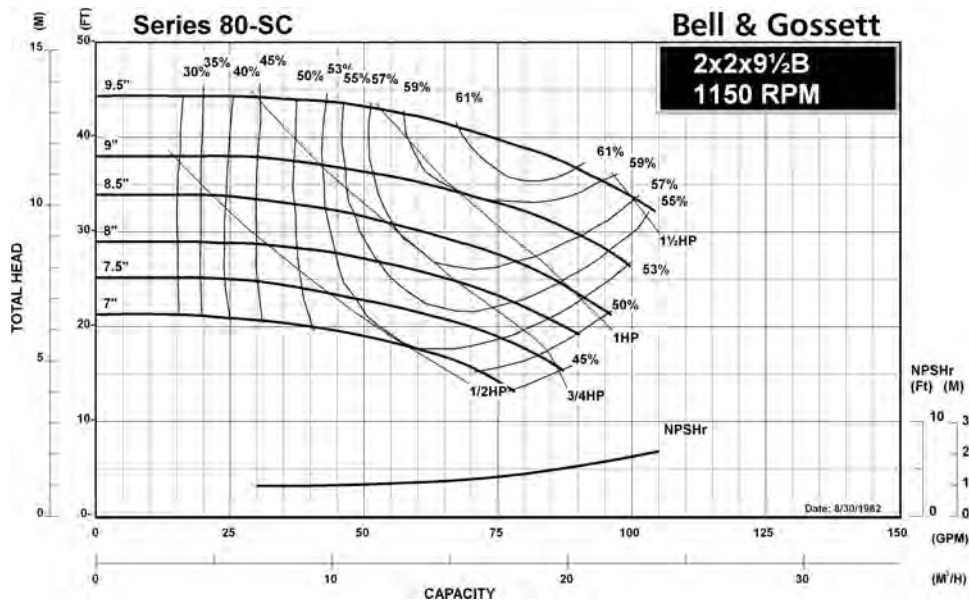
250 psi (17 bar) W.P. with 250# ANSI flange drilling

TYPE OF SEAL

STANDARD SEAL - Inside Unitized with flush line (EPR/Carbon-Ceramic)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)

OPTIONAL SEAL - Inside Unitized with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 250 psi (17 bar)

OPTIONAL SEAL - Outside Type "8B2"; with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)

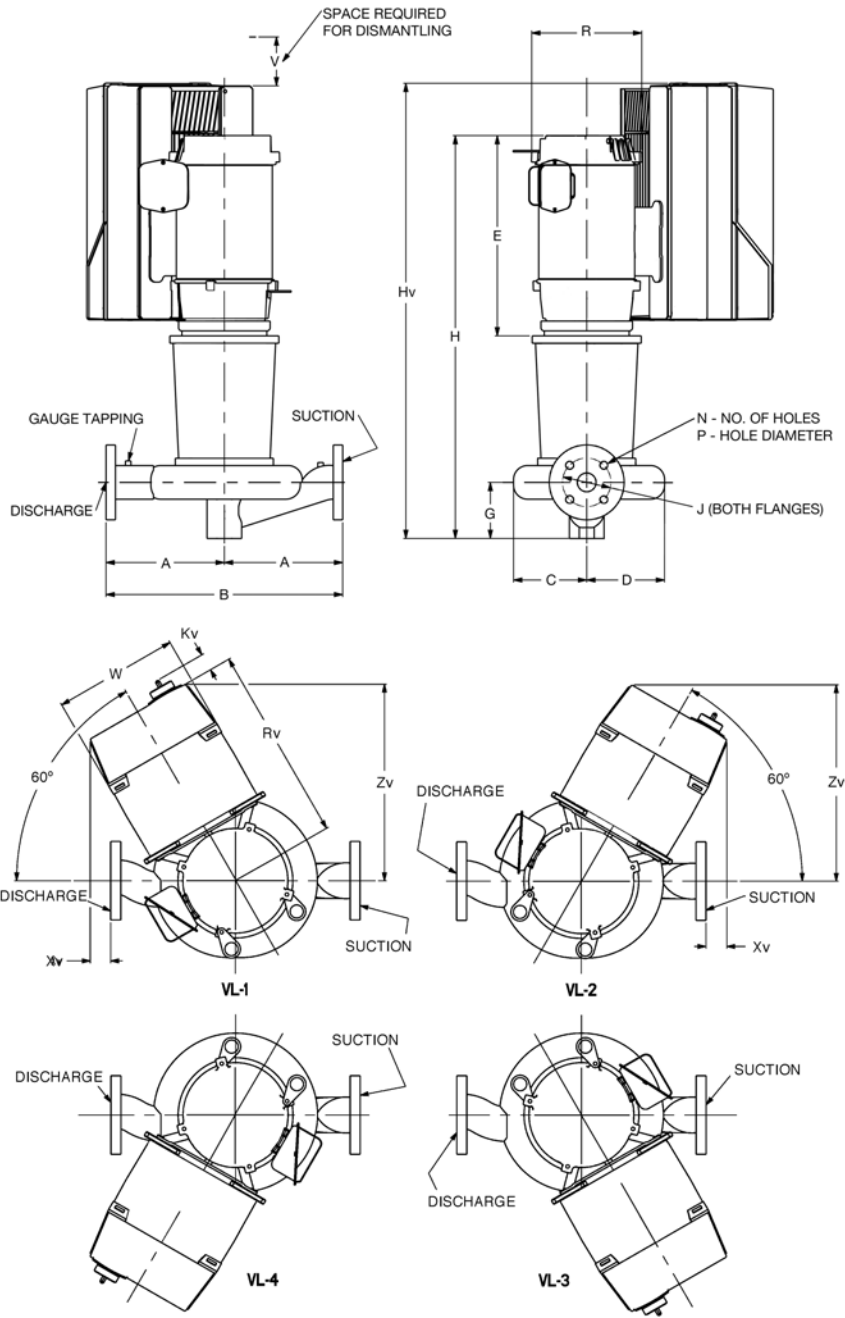




2x2x9¹/₂B Series 80SC[®]

In-Line Mounted Centrifugal Pumps
With Optional Integrated Technologic[®] featuring Sensorless Control

TECHNOLOGIC STANDARD FEATURES	
CONTROL METHOD	Constant Pressure, Linear Control Curve, Quadratic Control Curve Factory configured for sensorless operation standard. Field configurable for use with a wired transducer.
ENCLOSURE	IP55 / NEMA 12 / UL type 12
POWER DISCONNECT SWITCH	Included standard. Fused Disconnect Switch optional.
EMI/RFI CONTROL	Integrated filter to meet EN62800-3.
HARMONIC SUPPRESSION	Integrated non-saturating dual DC link reactors provide better harmonic performance than a 5% AC line reactor.
COOLING	Fan-cooled through temperature controlled and easy replacement.
AMBIENT TEMPERATURE RATING	14°F to 113°F (-10°C to 45°C)
COMMUNICATION PROTOCOLS	BACnet, Modbus RTU, N2 Metasys, FLN Apogee
ANALOG INPUTS	2 configurable for either voltage (0 to 10VDC) or current(0/4 to 20mA)
ANALOG OUTPUTS	1 (0/4 to 20mA) up to 500 ohm load accurate to 1% of full scale
DIGITAL INPUTS	4 (0 to 24VDC), NPN or PNP, 0 to 24VDC, on 5 msec scan interval, Up to 2 can be configured as pulse inputs.
DIGITAL OUTPUTS	2 (0 to 24VDC), 40mA max current, configurable as pulse outputs.
RELAY OUTPUTS	2 programmable, 240VAC or 400VAC up to 2 A



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In-Line Mounted Centrifugal Pumps
With Optional Integrated Technologic[®] featuring Sensorless Control

DIMENSIONS – Inches (mm)

TC SHAFT MOTORS

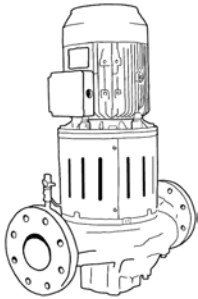
MOTOR FRAME	A	B	G	E	125# ANSI			250# ANSI			R	V (Min)	VFD	Rv	Zv	W	Hv	Xv	Kv
					J	N	P	J	N	P									
182TC	10 (254)	20 (508)	5-3/8 (137)	12-1/4 (311)	4-3/4 (121)	4	3/4 (19)	5 (127)	8	3/4 (19)	8-3/4 (222)	4-1/2 (114)	A5	12-25/32 (324)	13-3/16 (335)	9-1/2 (241)	32-7/32 (818)	1/16 (2)	1-1/2 (38.10)
184TC	10 (254)	20 (508)	5-3/8 (137)	13-1/4 (337)	4-3/4 (121)	4	3/4 (19)	5 (127)	8	3/4 (19)	8-3/4 (222)	4-1/2 (114)	A5	12-25/32 (324)	13-3/16 (335)	9-1/2 (241)	33-7/32 (844)	1/16 (2)	1-1/2 (38.10)
213TC	10 (254)	20 (508)	5-3/8 (137)	14-7/8 (378)	4-3/4 (121)	4	3/4 (19)	5 (127)	8	3/4 (19)	10-5/8 (270)	4-1/2 (114)	A5	13-17/32 (344)	13-53/64 (351)	9-1/2 (241)	32-1/8 (816)	7/16 (11)	1-1/2 (38.10)
													B1	15-53/64 (402)	15-27/32 (402)	9-1/2 (241)	33-9/16 (853)	1-5/8 (41)	1-13/16 (45.72)

Xylem Inc.
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<p>JOB:</p> <p>UNIT TAG:</p> <p>ENGINEER:</p> <p>CONTRACTOR:</p>	<p>REPRESENTATIVE:</p> <p>ORDER NO.</p> <p>SUBMITTED BY:</p> <p>APPROVED BY:</p>	<p>DATE:</p> <p>DATE:</p> <p>DATE:</p>
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3x3x7B

Series 80[®]-SC

Spacer Coupled Vertical
In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW _____ HEAD _____

HP _____ RPM _____

VOLTS _____

CYCLE _____ PHASE _____

ENCLOSURE _____

APPROX. WEIGHT _____

SPECIALS _____

MATERIALS OF CONSTRUCTION

BRONZE FITTED ALL IRON

WORKING PRESSURE

175 psi (12 bar) W.P. with 125# ANSI flange drilling

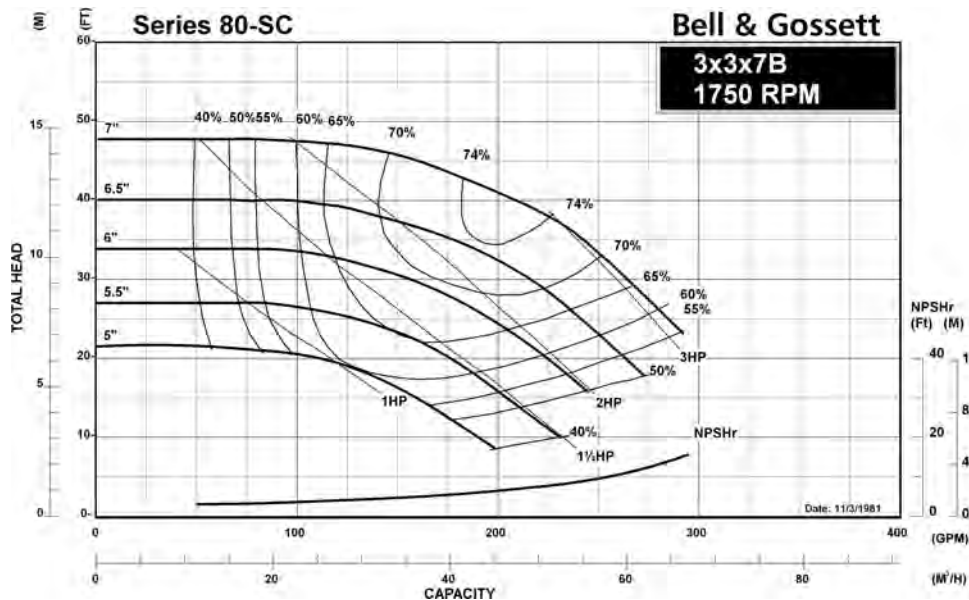
250 psi (17 bar) W.P. with 250# ANSI flange drilling

TYPE OF SEAL

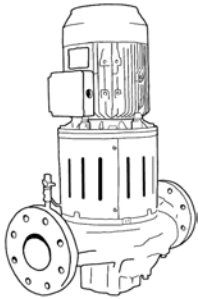
STANDARD SEAL - Inside Unitized with flush line (EPR/Carbon-Ceramic)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)

OPTIONAL SEAL - Inside Unitized with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 250 psi (17 bar)

OPTIONAL SEAL - Outside Type "8B2"; with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)



<p>JOB:</p> <p>UNIT TAG:</p> <p>ENGINEER:</p> <p>CONTRACTOR:</p>	<p>REPRESENTATIVE:</p> <p>ORDER NO.</p> <p>SUBMITTED BY:</p> <p>APPROVED BY:</p>	<p>DATE:</p> <p>DATE:</p> <p>DATE:</p>
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3x3x7B

Series 80[®]-SC

Spacer Coupled Vertical
In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW _____ HEAD _____

HP _____ RPM _____

VOLTS _____

CYCLE _____ PHASE _____

ENCLOSURE _____

APPROX. WEIGHT _____

SPECIALS _____

MATERIALS OF CONSTRUCTION

BRONZE FITTED ALL IRON

WORKING PRESSURE

175 psi (12 bar) W.P. with 125# ANSI flange drilling

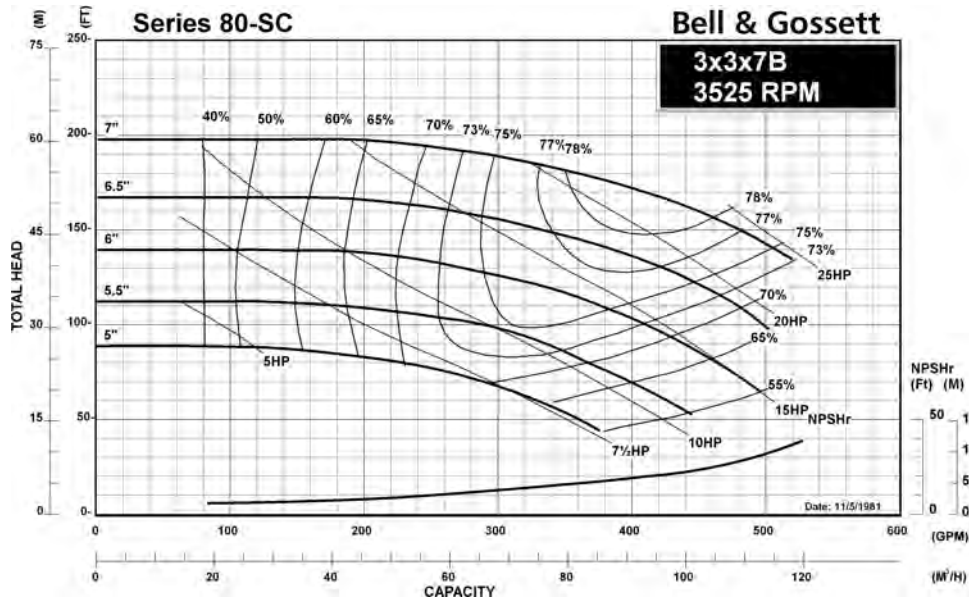
250 psi (17 bar) W.P. with 250# ANSI flange drilling

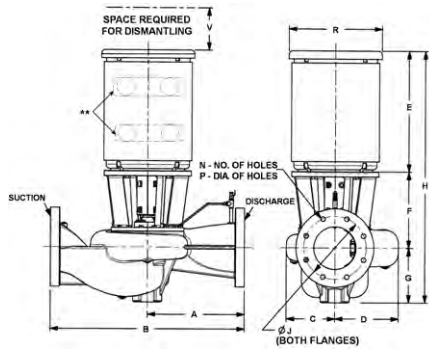
TYPE OF SEAL

STANDARD SEAL - Inside Unitized with flush line (EPR/Carbon-Ceramic)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)

OPTIONAL SEAL - Inside Unitized with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 250 psi (17 bar)

OPTIONAL SEAL - Outside Type "8B2"; with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)





FLANGE DIMENSIONS IN INCHES (MM)			
	SIZE	THICKNESS	O.D.
Discharge	3"	1-1/8 (29)	8 (203)
Suction	3"	1-1/8 (29)	8 (203)

**VOLUTE BASE RING TAPPED FOR
2" - 125# ANSI FLANGE TO SUPPORT PUMP**

** Motor may be supplied with feet

DIMENSIONS - Inches (mm)

TC SHAFT MOTORS

MOTOR FRAME	A	B	C	D	G	F	E	H	125# ANSI			250# ANSI			R	V (Min)
									J	N	P	J	N	P		
182TC	9-1/2 (241)	19 (483)	5-1/4 (133)	6-1/4 (159)	5-1/2 (140)	12 (305)	12-1/4 (311)	29-3/4 (756)	6 (152)	4	3/4 (19)	6-5/8 (168)	8 (22)	7/8 (22)	8-3/4 (222)	4-1/2 (114)
184TC	9-1/2 (241)	19 (483)	5-1/4 (133)	6-1/4 (159)	5-1/2 (140)	12 (305)	13-1/4 (337)	30-3/4 (781)	6 (152)	4	3/4 (19)	6-5/8 (168)	8 (22)	7/8 (22)	8-3/4 (222)	4-1/2 (114)
213TC	9-1/2 (241)	19 (483)	5-1/4 (133)	6-1/4 (159)	5-1/2 (140)	12 (305)	14-7/8 (378)	32-3/8 (822)	6 (152)	4	3/4 (19)	6-5/8 (168)	8 (22)	7/8 (22)	10-5/8 (270)	4-1/2 (114)
215TC	9-1/2 (241)	19 (483)	5-1/4 (133)	6-1/4 (159)	5-1/2 (140)	12 (305)	14-7/8 (378)	32-3/8 (822)	6 (152)	4	3/4 (19)	6-5/8 (168)	8 (22)	7/8 (22)	10-5/8 (270)	4-1/2 (114)
254TC	9-1/2 (241)	19 (483)	5-1/4 (133)	6-1/4 (159)	5-1/2 (140)	12 (305)	19-7/16 (494)	36-15/16 (938)	6 (152)	4	3/4 (19)	6-5/8 (168)	8 (22)	7/8 (22)	12-5/16 (313)	4-1/2 (114)
256TC	9-1/2 (241)	19 (483)	5-1/4 (133)	6-1/4 (159)	5-1/2 (140)	12 (305)	21-3/16 (538)	38-11/16 (983)	6 (152)	4	3/4 (19)	6-5/8 (168)	8 (22)	7/8 (22)	12-5/16 (313)	4-1/2 (114)

HP SHAFT MOTORS

MOTOR FRAME	A	B	C	D	G	F	E	H	125# ANSI			250# ANSI			R	V (Min)
									J	N	P	J	N	P		
143HP	9-1/2 (241)	19 (483)	5-1/4 (133)	6-1/4 (159)	5-1/2 (140)	12 (305)	11-13/16 (300)	29-5/16 (745)	6 (152)	4	3/4 (19)	6-5/8 (168)	8 (22)	7/8 (22)	7-1/16 (179)	4-1/2 (114)
145HP	9-1/2 (241)	19 (483)	5-1/4 (133)	6-1/4 (159)	5-1/2 (140)	12 (305)	12-13/16 (325)	30-5/16 (770)	6 (152)	4	3/4 (19)	6-5/8 (168)	8 (22)	7/8 (22)	7-1/16 (179)	4-1/2 (114)
182HP	9-1/2 (241)	19 (483)	5-1/4 (133)	6-1/4 (159)	5-1/2 (140)	12 (305)	13-7/8 (352)	31-3/8 (797)	6 (152)	4	3/4 (19)	6-5/8 (168)	8 (22)	7/8 (22)	8-3/4 (222)	4-1/2 (114)
184HP	9-1/2 (241)	19 (483)	5-1/4 (133)	6-1/4 (159)	5-1/2 (140)	12 (305)	14-7/8 (378)	32-3/8 (822)	6 (152)	4	3/4 (19)	6-5/8 (168)	8 (22)	7/8 (22)	8-3/4 (222)	4-1/2 (114)
213HP	9-1/2 (241)	19 (483)	5-1/4 (133)	6-1/4 (159)	5-1/2 (140)	12 (305)	17-1/4 (438)	34-3/4 (883)	6 (152)	4	3/4 (19)	6-5/8 (168)	8 (22)	7/8 (22)	10-5/8 (270)	4-1/2 (114)
215HP	9-1/2 (241)	19 (483)	5-1/4 (133)	6-1/4 (159)	5-1/2 (140)	12 (305)	18-3/4 (476)	36-1/4 (921)	6 (152)	4	3/4 (19)	6-5/8 (168)	8 (22)	7/8 (22)	10-5/8 (270)	4-1/2 (114)
254HP	9-1/2 (241)	19 (483)	5-1/4 (133)	6-1/4 (159)	5-1/2 (140)	12 (305)	22-3/8 (568)	39-7/8 (1013)	6 (152)	4	3/4 (19)	6-5/8 (168)	8 (22)	7/8 (22)	12-5/16 (313)	4-1/2 (114)
256HP	9-1/2 (241)	19 (483)	5-1/4 (133)	6-1/4 (159)	5-1/2 (140)	12 (305)	24-1/16 (611)	41-9/16 (1056)	6 (152)	4	3/4 (19)	6-5/8 (168)	8 (22)	7/8 (22)	12-5/16 (313)	4-1/2 (114)

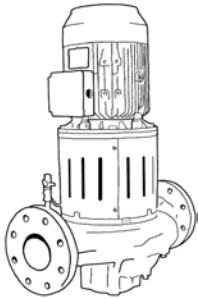
IEC SHAFT MOTORS

MOTOR FRAME	A	B	C	D	G	F	E	H	125# ANSI			250# ANSI			R	V (Min)
									J	N	P	J	N	P		
80	9-1/2 (241)	19 (483)	5-1/4 (133)	6-1/4 (159)	5-1/2 (140)	12 (305)	9-15/16 (252)	27-7/16 (697)	6 (152)	4	3/4 (19)	6-5/8 (168)	8 (22)	7/8 (22)	6-7/8 (175)	4-1/2 (114)
90	9-1/2 (241)	19 (483)	5-1/4 (133)	6-1/4 (159)	5-1/2 (140)	12 (305)	11-5/8 (295)	29-1/8 (740)	6 (152)	4	3/4 (19)	6-5/8 (168)	8 (22)	7/8 (22)	7-1/2 (190)	4-1/2 (114)
100L	9-1/2 (241)	19 (483)	5-1/4 (133)	6-1/4 (159)	5-1/2 (140)	12 (305)	12-11/16 (322)	30-3/16 (767)	6 (152)	4	3/4 (19)	6-5/8 (168)	8 (22)	7/8 (22)	8-1/4 (210)	4-1/2 (114)
112M	9-1/2 (241)	19 (483)	5-1/4 (133)	6-1/4 (159)	5-1/2 (140)	12 (305)	13-9/16 (344)	31-1/16 (789)	6 (152)	4	3/4 (19)	6-5/8 (168)	8 (22)	7/8 (22)	9-5/16 (237)	4-1/2 (114)
132	9-1/2 (241)	19 (483)	5-1/4 (133)	6-1/4 (159)	5-1/2 (140)	12 (305)	17-1/8 (435)	34-5/8 (879)	6 (152)	4	3/4 (19)	6-5/8 (168)	8 (22)	7/8 (22)	10-13/16 (275)	4-1/2 (114)
160M	9-1/2 (241)	19 (483)	5-1/4 (133)	6-1/4 (159)	5-1/2 (140)	14-9/16 (370)	20-1/4 (514)	40-3/8 (1026)	6 (152)	4	3/4 (19)	6-5/8 (168)	8 (22)	7/8 (22)	13 (330)	4-1/2 (114)

Dimensions are subject to change. Not to be used for construction purposes unless certified.

NOTE: For TEFC add 1-1/2" to dimensions E & H.

<p>JOB:</p> <p>UNIT TAG:</p> <p>ENGINEER:</p> <p>CONTRACTOR:</p>	<p>REPRESENTATIVE:</p> <p>ORDER NO.</p> <p>SUBMITTED BY:</p> <p>APPROVED BY:</p>	<p>DATE:</p> <p>DATE:</p> <p>DATE:</p>
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3x3x7B

Series 80[®]-SC

Spacer Coupled Vertical
In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW _____ HEAD _____

HP _____ RPM _____

VOLTS _____

CYCLE _____ PHASE _____

ENCLOSURE _____

APPROX. WEIGHT _____

SPECIALS _____

MATERIALS OF CONSTRUCTION

BRONZE FITTED ALL IRON

WORKING PRESSURE

175 psi (12 bar) W.P. with 125# ANSI flange drilling

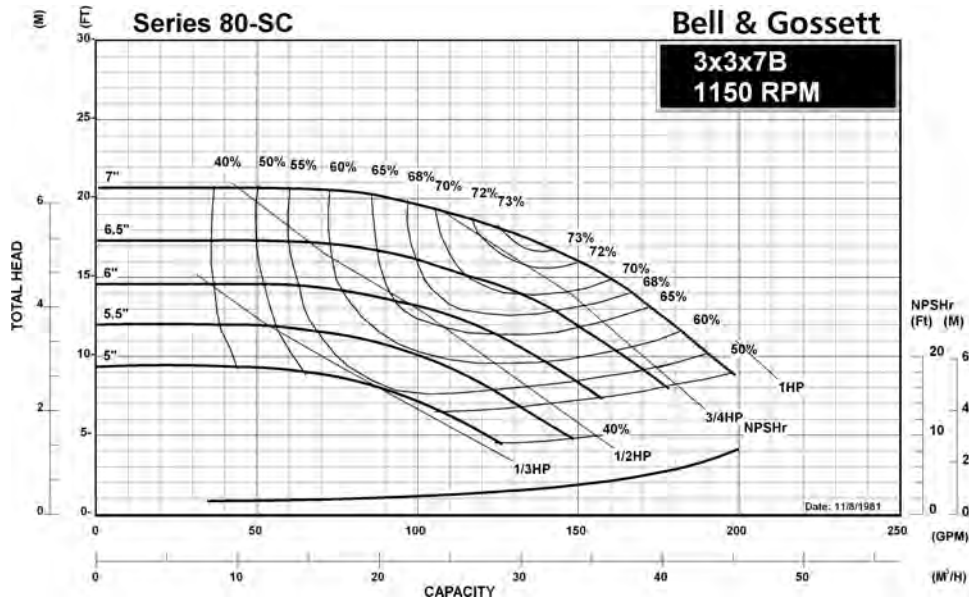
250 psi (17 bar) W.P. with 250# ANSI flange drilling

TYPE OF SEAL

STANDARD SEAL - Inside Unitized with flush line (EPR/Carbon-Ceramic)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)

OPTIONAL SEAL - Inside Unitized with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 250 psi (17 bar)

OPTIONAL SEAL - Outside Type "8B2"; with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)

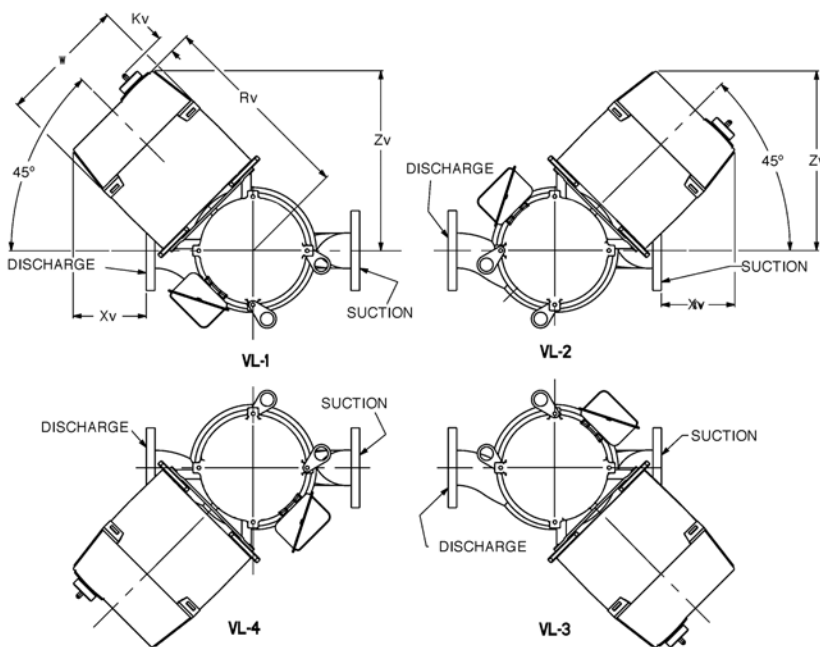
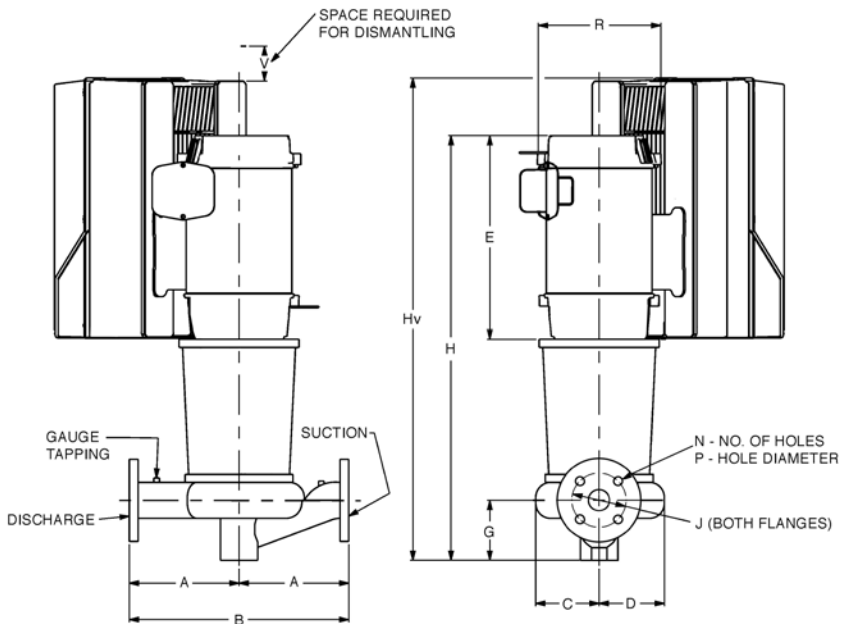




3x3x7B Series 80SC[®]

In-Line Mounted Centrifugal Pumps
With Optional Integrated Technologic[®] featuring Sensorless Control

TECHNOLOGIC STANDARD FEATURES	
CONTROL METHOD	Constant Pressure, Linear Control Curve, Quadratic Control Curve Factory configured for sensorless operation standard. Field configurable for use with a wired transducer.
ENCLOSURE	IP55 / NEMA 12 / UL type 12
POWER DISCONNECT SWITCH	Included standard. Fused Disconnect Switch optional.
EMI/RFI CONTROL	Integrated filter to meet EN62800-3.
HARMONIC SUPPRESSION	Integrated non-saturating dual DC link reactors provide better harmonic performance than a 5% AC line reactor.
COOLING	Fan-cooled through temperature controlled and easy replacement.
AMBIENT TEMPERATURE RATING	14°F to 113°F (-10°C to 45°C)
COMMUNICATION PROTOCOLS	BACnet, Modbus RTU, N2 Metasys, FLN Apogee
ANALOG INPUTS	2 configurable for either voltage (0 to 10VDC) or current(0/4 to 20mA)
ANALOG OUTPUTS	1 (0/4 to 20mA) up to 500 ohm load accurate to 1% of full scale
DIGITAL INPUTS	4 (0 to 24VDC), NPN or PNP, 0 to 24VDC, on 5 msec scan interval, Up to 2 can be configured as pulse inputs.
DIGITAL OUTPUTS	2 (0 to 24VDC), 40mA max current, configurable as pulse outputs.
RELAY OUTPUTS	2 programmable, 240VAC or 400VAC up to 2 A



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3x3x7B Series 80-SC[®]

In-Line Mounted Centrifugal Pumps
With Optional Integrated Technologic[®] featuring Sensorless Control

DIMENSIONS – Inches (mm)

TC SHAFT MOTORS

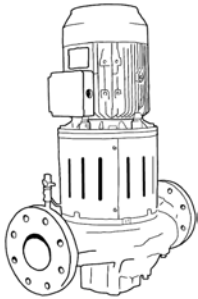
MOTOR FRAME	A	B	G	E	125# ANSI			250# ANSI			R	V (Min)	VFD	Rv	Zv	W	Hv	Xv	Kv
					J	N	P	J	N	P									
182TC	9-1/2 (241)	19 (483)	5-1/2 (140)	12-1/4 (311)	6 (152)	4	3/4 (19)	6-5/8 (168)	8	7/8 (22)	8-3/4 (222)	4-1/2 (114)	A5	12-25/32 (324)	12-1/32 (306)	9-1/2 (241)	32-17/32 (826)	2-17/32 (64)	1-1/2 (38.10)
184TC	9-1/2 (241)	19 (483)	5-1/2 (140)	13-1/4 (337)	6 (152)	4	3/4 (19)	6-5/8 (168)	8	7/8 (22)	8-3/4 (222)	4-1/2 (114)	A5	12-25/32 (324)	12-1/32 (306)	9-1/2 (241)	33-17/32 (852)	2-17/32 (64)	1-1/2 (38.10)
213TC	9-1/2 (241)	19 (483)	5-1/2 (140)	14-7/8 (378)	6 (152)	4	3/4 (19)	6-5/8 (168)	8	7/8 (22)	10-5/8 (270)	4-1/2 (114)	A5	13-17/32 (344)	12-9/16 (319)	9-1/2 (241)	32-3/8 (822)	3-1/16 (78)	1-1/2 (38.10)
													B1	15-53/64 (402)	14-7/32 (361)	9-1/2 (241)	33-13/16 (859)	4-23/32 (120)	1-13/16 (45.72)
215TC	9-1/2 (241)	19 (483)	5-1/2 (140)	14-7/8 (378)	6 (152)	4	3/4 (19)	6-5/8 (168)	8	7/8 (22)	10-5/8 (270)	4-1/2 (114)	A5	13-17/32 (344)	12-9/16 (319)	9-1/2 (241)	32-3/8 (822)	3-1/16 (78)	1-1/2 (38.10)
													B1	15-53/64 (402)	14-7/32 (361)	9-1/2 (241)	33-51/64 (858)	4-23/32 (120)	1-13/16 (45.72)
254TC	9-1/2 (241)	19 (483)	5-1/2 (140)	19-7/16 (494)	6 (152)	4	3/4 (19)	6-5/8 (168)	8	7/8 (22)	12-5/16 (313)	4-1/2 (114)	B1	16-53/64 (427)	14-59/64 (379)	9-1/2 (241)	38-63/64 (990)	5-27/64 (138)	1-13/16 (45.72)
													B2	16-53/64 (427)	14-59/64 (379)	9-1/2 (241)	43-29/64 (1104)	5-27/64 (138)	1-11/16 (43.18)
256TC	9-1/2 (241)	19 (483)	5-1/2 (140)	21-3/16 (538)	6 (152)	4	3/4 (19)	6-5/8 (168)	8	7/8 (22)	12-5/16 (313)	4-1/2 (114)	B1	16-53/64 (427)	14-59/64 (379)	9-1/2 (241)	39 (990)	5-27/64 (138)	1-13/16 (45.72)
													B2	16-53/64 (427)	14-59/64 (379)	9-1/2 (241)	43-29/64 (1104)	5-27/64 (138)	1-11/16 (43.18)
													C1	18-53/64 (478)	17-3/32 (434)	12-3/32 (307)	44-23/64 (1127)	7-19/32 (193)	1-7/8 (48.26)

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xylem
Let's Solve Water

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<p>JOB:</p> <p>UNIT TAG:</p> <p>ENGINEER:</p> <p>CONTRACTOR:</p>	<p>REPRESENTATIVE:</p> <p>ORDER NO.</p> <p>SUBMITTED BY:</p> <p>APPROVED BY:</p>	<p>DATE:</p> <p>DATE:</p> <p>DATE:</p>
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3x3x9¹/₂B

Series 80[®]-SC

Spacer Coupled Vertical
In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW _____ HEAD _____

HP _____ RPM _____

VOLTS _____

CYCLE _____ PHASE _____

ENCLOSURE _____

APPROX. WEIGHT _____

SPECIALS _____

MATERIALS OF CONSTRUCTION

BRONZE FITTED ALL IRON

WORKING PRESSURE

175 psi (12 bar) W.P.
with 125# ANSI flange
drilling

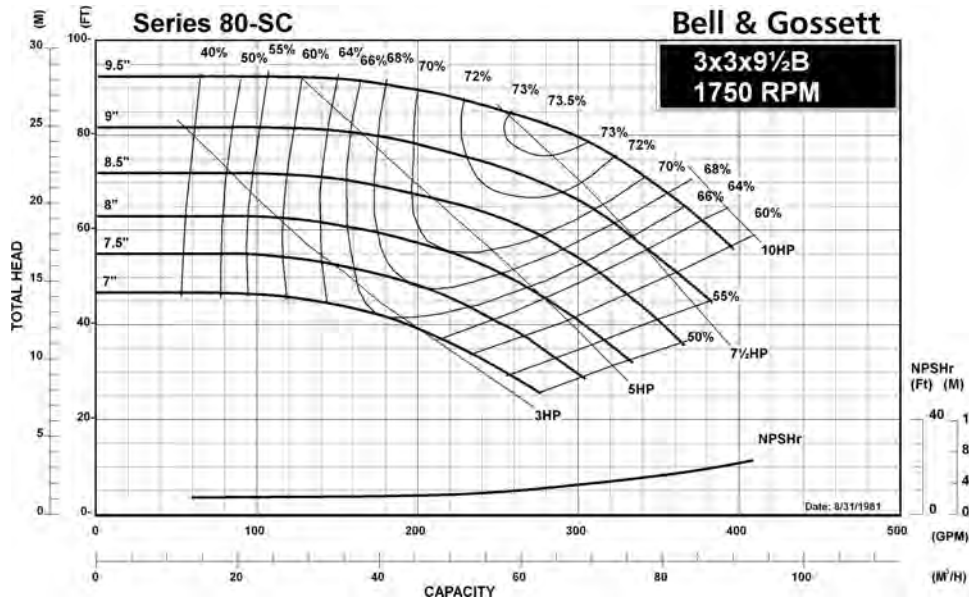
250 psi (17 bar) W.P.
with 250# ANSI flange
drilling

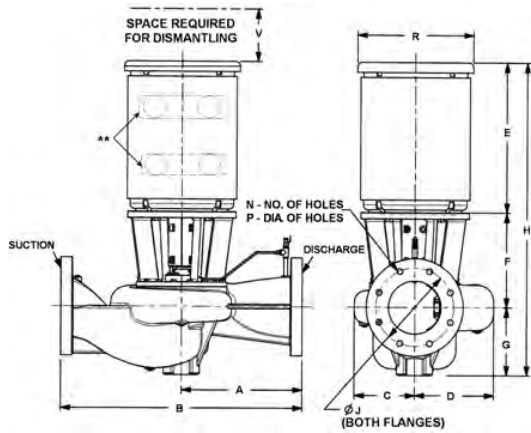
TYPE OF SEAL

STANDARD SEAL - Inside Unitized with flush line (EPR/Carbon-Ceramic)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)

OPTIONAL SEAL - Inside Unitized with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 250 psi (17 bar)

OPTIONAL SEAL - Outside Type "8B2"; with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)





FLANGE DIMENSIONS IN INCHES (MM)			
	SIZE	THICKNESS	O.D.
Discharge	3"	1-1/8 (29)	8 (203)
Suction	3"	1-1/8 (29)	8 (203)

**VOLUTE BASE RING TAPPED FOR
3" - 125# ANSI FLANGE TO SUPPORT PUMP**

** Motor may be supplied with feet

DIMENSIONS - Inches (mm)

TC SHAFT MOTORS

MOTOR FRAME	A	B	C	D	G	F	E	H	125# ANSI			250# ANSI			R	V (Min)
									J	N	P	J	N	P		
182TC	11-1/2 (292)	23 (584)	6-5/8 (168)	7-1/2 (190)	6-1/8 (156)	11-15/16 (303)	12-1/4 (311)	30-5/16 (770)	6 (152)	4	3/4 (19)	6-5/8 (168)	8 (22)	7/8 (22)	8-3/4 (222)	4-3/4 (121)
184TC	11-1/2 (292)	23 (584)	6-5/8 (168)	7-1/2 (190)	6-1/8 (156)	11-15/16 (303)	13-1/4 (337)	31-5/16 (795)	6 (152)	4	3/4 (19)	6-5/8 (168)	8 (22)	7/8 (22)	8-3/4 (222)	4-3/4 (121)
213TC	11-1/2 (292)	23 (584)	6-5/8 (168)	7-1/2 (190)	6-1/8 (156)	11-15/16 (303)	14-7/8 (378)	33 (838)	6 (152)	4	3/4 (19)	6-5/8 (168)	8 (22)	7/8 (22)	10-5/8 (270)	4-3/4 (121)
215TC	11-1/2 (292)	23 (584)	6-5/8 (168)	7-1/2 (190)	6-1/8 (156)	11-15/16 (303)	14-7/8 (378)	33 (838)	6 (152)	4	3/4 (19)	6-5/8 (168)	8 (22)	7/8 (22)	10-5/8 (270)	4-3/4 (121)

HP SHAFT MOTORS

MOTOR FRAME	A	B	C	D	G	F	E	H	125# ANSI			250# ANSI			R	V (Min)
									J	N	P	J	N	P		
143HP	11-1/2 (292)	23 (584)	6-5/8 (168)	7-1/2 (190)	6-1/8 (156)	11-15/16 (303)	11-13/16 (300)	29-7/8 (759)	6 (152)	4	3/4 (19)	6-5/8 (168)	8 (22)	7/8 (22)	7-1/16 (179)	4-3/4 (121)
145HP	11-1/2 (292)	23 (584)	6-5/8 (168)	7-1/2 (190)	6-1/8 (156)	11-15/16 (303)	12-13/16 (325)	30-7/8 (784)	6 (152)	4	3/4 (19)	6-5/8 (168)	8 (22)	7/8 (22)	7-1/16 (179)	4-3/4 (121)
182HP	11-1/2 (292)	23 (584)	6-5/8 (168)	7-1/2 (190)	6-1/8 (156)	11-15/16 (303)	13-7/8 (352)	32 (813)	6 (152)	4	3/4 (19)	6-5/8 (168)	8 (22)	7/8 (22)	8-3/4 (222)	4-3/4 (121)
184HP	11-1/2 (292)	23 (584)	6-5/8 (168)	7-1/2 (190)	6-1/8 (156)	11-15/16 (303)	14-7/8 (378)	33 (838)	6 (152)	4	3/4 (19)	6-5/8 (168)	8 (22)	7/8 (22)	8-3/4 (222)	4-3/4 (121)
213HP	11-1/2 (292)	23 (584)	6-5/8 (168)	7-1/2 (190)	6-1/8 (156)	11-15/16 (303)	17-1/4 (438)	35-3/8 (899)	6 (152)	4	3/4 (19)	6-5/8 (168)	8 (22)	7/8 (22)	10-5/8 (270)	4-3/4 (121)
215HP	11-1/2 (292)	23 (584)	6-5/8 (168)	7-1/2 (190)	6-1/8 (156)	11-15/16 (303)	18-3/4 (476)	36-7/8 (937)	6 (152)	4	3/4 (19)	6-5/8 (168)	8 (22)	7/8 (22)	10-5/8 (270)	4-3/4 (121)

IEC SHAFT MOTORS

MOTOR FRAME	A	B	C	D	G	F	E	H	125# ANSI			250# ANSI			R	V (Min)
									J	N	P	J	N	P		
90	11-1/2 (292)	23 (584)	6-5/8 (168)	7-1/2 (190)	6-1/8 (156)	11-15/16 (303)	11-5/8 (295)	29-11/16 (754)	6 (152)	4	3/4 (19)	6-5/8 (168)	8 (22)	7/8 (22)	7-1/2 (190)	4-3/4 (121)
100L	11-1/2 (292)	23 (584)	6-5/8 (168)	7-1/2 (190)	6-1/8 (156)	11-15/16 (303)	12-11/16 (322)	30-3/4 (781)	6 (152)	4	3/4 (19)	6-5/8 (168)	8 (22)	7/8 (22)	8-1/4 (210)	4-3/4 (121)
112M	11-1/2 (292)	23 (584)	6-5/8 (168)	7-1/2 (190)	6-1/8 (156)	11-15/16 (303)	13-9/16 (344)	31-11/16 (805)	6 (152)	4	3/4 (19)	6-5/8 (168)	8 (22)	7/8 (22)	9-5/16 (237)	4-3/4 (121)
160M	11-1/2 (292)	23 (584)	6-5/8 (168)	7-1/2 (190)	6-1/8 (156)	14-9/16 (370)	17-1/8 (435)	37-13/16 (960)	6 (152)	4	3/4 (19)	6-5/8 (168)	8 (22)	7/8 (22)	10-13/16 (275)	4-3/4 (121)
160L	11-1/2 (292)	23 (584)	6-5/8 (168)	7-1/2 (190)	6-1/8 (156)	14-9/16 (370)	20-1/4 (514)	40-15/16 (1040)	6 (152)	4	3/4 (19)	6-5/8 (168)	8 (22)	7/8 (22)	13 (330)	4-3/4 (121)
180M	11-1/2 (292)	23 (584)	6-5/8 (168)	7-1/2 (190)	6-1/8 (156)	14-9/16 (370)	22-1/16 (560)	42-11/16 (1084)	6 (152)	4	3/4 (19)	6-5/8 (168)	8 (22)	7/8 (22)	13 (330)	4-3/4 (121)
200L	11-1/2 (292)	23 (584)	6-5/8 (168)	7-1/2 (190)	6-1/8 (156)	14-9/16 (370)	23-1/4 (591)	43-7/8 (1114)	6 (152)	4	3/4 (19)	6-5/8 (168)	8 (22)	7/8 (22)	14-15/16 (379)	4-3/4 (121)

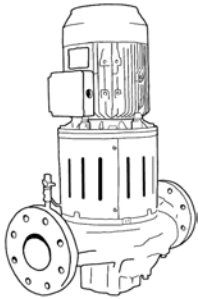
Dimensions are subject to change. Not to be used for construction purposes unless certified.

NOTE: For TEFC add 1-1/2" to dimensions E & H.

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<p>JOB:</p> <p>UNIT TAG:</p> <p>ENGINEER:</p> <p>CONTRACTOR:</p>	<p>REPRESENTATIVE:</p> <p>ORDER NO.</p> <p>SUBMITTED BY:</p> <p>APPROVED BY:</p>	<p>DATE:</p> <p>DATE:</p> <p>DATE:</p>
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3x3x9¹/₂B

Series 80[®]-SC

Spacer Coupled Vertical
In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW _____ HEAD _____

HP _____ RPM _____

VOLTS _____

CYCLE _____ PHASE _____

ENCLOSURE _____

APPROX. WEIGHT _____

SPECIALS _____

MATERIALS OF CONSTRUCTION

BRONZE FITTED ALL IRON

WORKING PRESSURE

175 psi (12 bar) W.P. with 125# ANSI flange drilling

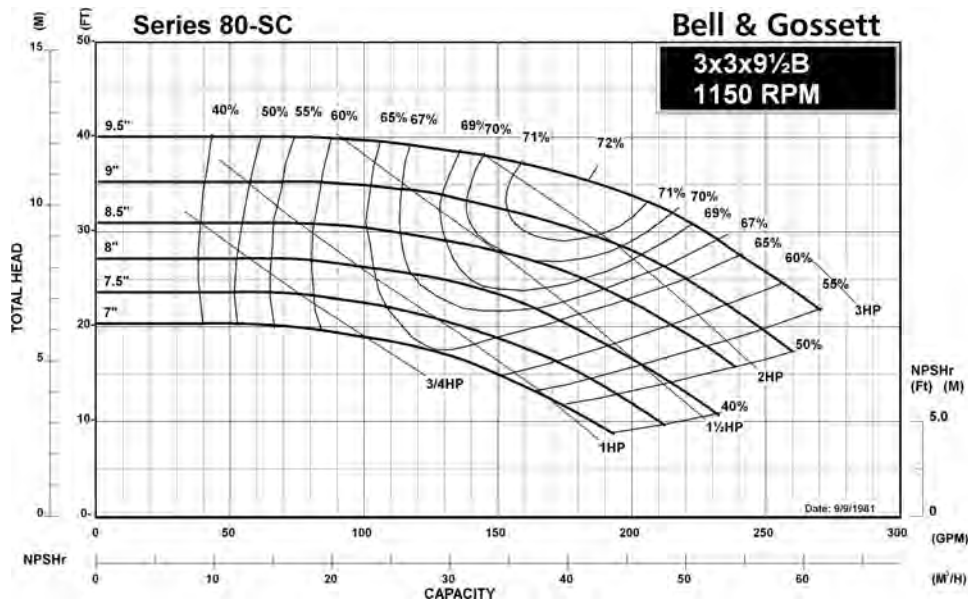
250 psi (17 bar) W.P. with 250# ANSI flange drilling

TYPE OF SEAL

STANDARD SEAL - Inside Unitized with flush line (EPR/Carbon-Ceramic)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)

OPTIONAL SEAL - Inside Unitized with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 250 psi (17 bar)

OPTIONAL SEAL - Outside Type "8B2"; with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)

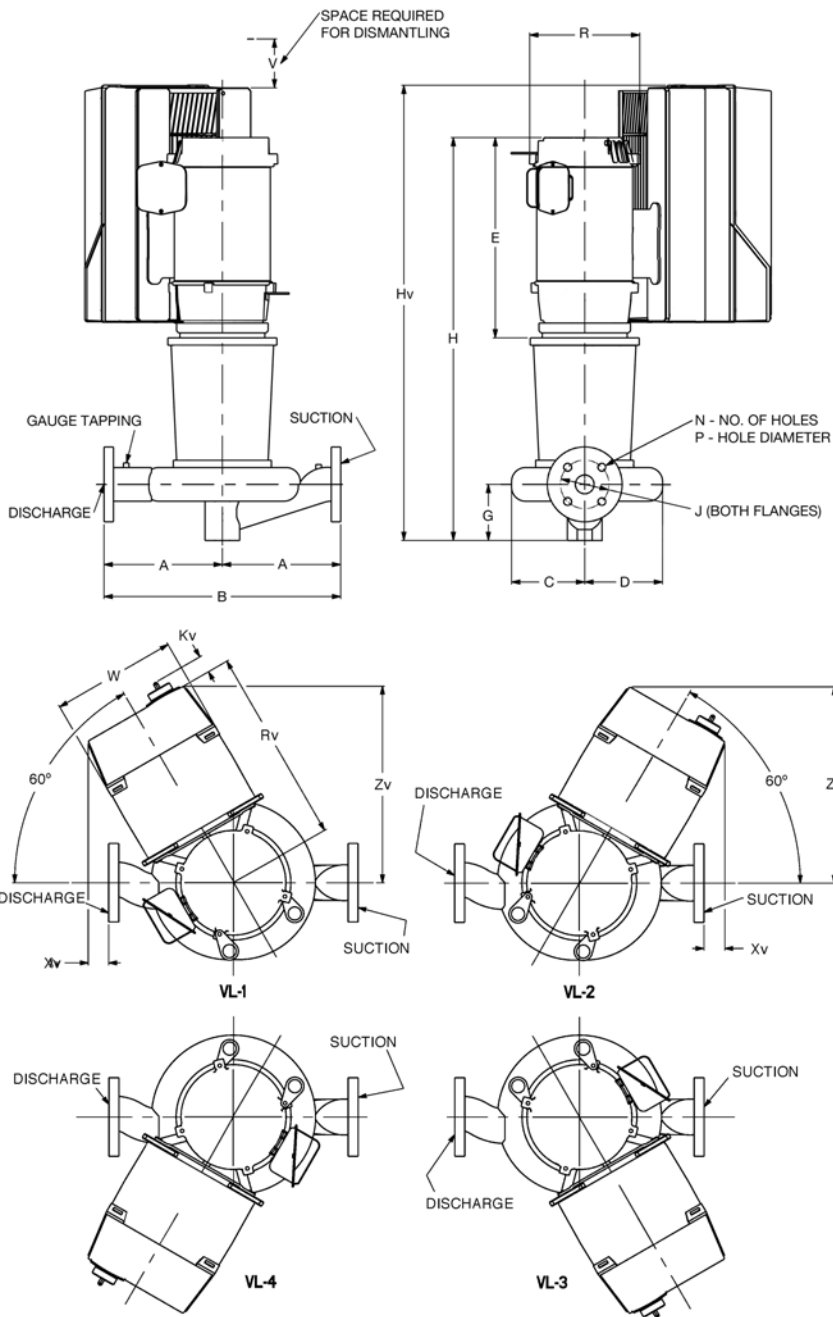




3x3x9¹/₂B Series 80SC[®]

In-Line Mounted Centrifugal Pumps
With Optional Integrated Technologic[®] featuring Sensorless Control

TECHNOLOGIC STANDARD FEATURES	
CONTROL METHOD	Constant Pressure, Linear Control Curve, Quadratic Control Curve Factory configured for sensorless operation standard. Field configurable for use with a wired transducer.
ENCLOSURE	IP55 / NEMA 12 / UL type 12
POWER DISCONNECT SWITCH	Included standard. Fused Disconnect Switch optional.
EMI/RFI CONTROL	Integrated filter to meet EN62800-3.
HARMONIC SUPPRESSION	Integrated non-saturating dual DC link reactors provide better harmonic performance than a 5% AC line reactor.
COOLING	Fan-cooled through temperature controlled and easy replacement.
AMBIENT TEMPERATURE RATING	14°F to 113°F (-10°C to 45°C)
COMMUNICATION PROTOCOLS	BACnet, Modbus RTU, N2 Metasys, FLN Apogee
ANALOG INPUTS	2 configurable for either voltage (0 to 10VDC) or current(0/4 to 20mA)
ANALOG OUTPUTS	1 (0/4 to 20mA) up to 500 ohm load accurate to 1% of full scale
DIGITAL INPUTS	4 (0 to 24VDC), NPN or PNP, 0 to 24VDC, on 5 msec scan interval, Up to 2 can be configured as pulse inputs.
DIGITAL OUTPUTS	2 (0 to 24VDC), 40mA max current, configurable as pulse outputs.
RELAY OUTPUTS	2 programmable, 240VAC or 400VAC up to 2 A



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3x3x9¹/₂B Series 80-SC[®]

In-Line Mounted Centrifugal Pumps
With Optional Integrated Technologic[®] featuring Sensorless Control

DIMENSIONS – Inches (mm)

TC SHAFT MOTORS

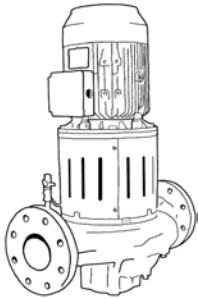
MOTOR FRAME	A	B	G	E	125# ANSI			250# ANSI			R	V (Min)	VFD	Rv	Zv	W	Hv	Xv	Kv
					J	N	P	J	N	P									
182TC	11-1/2 (292)	23 (584)	6-1/8 (156)	12-1/4 (311)	6 (152)	4	3/4 (19)	6-5/8 (168)	8	7/8 (22)	8-3/4 (222)	4-3/4 (121)	A5	12-25/32 (324)	13-3/16 (335)	9-1/2 (241)	33-3/32 (841)	1-7/16 (37)	1-1/2 (38.10)
184TC	11-1/2 (292)	23 (584)	6-1/8 (156)	13-1/4 (337)	6 (152)	4	3/4 (19)	6-5/8 (168)	8	7/8 (22)	8-3/4 (222)	4-3/4 (121)	A5	12-25/32 (324)	13-3/16 (335)	9-1/2 (241)	34-3/32 (866)	1-7/16 (37)	1-1/2 (38.10)
213TC	11-1/2 (292)	23 (584)	6-1/8 (156)	14-7/8 (378)	6 (152)	4	3/4 (19)	6-5/8 (168)	8	7/8 (22)	10-5/8 (270)	4-3/4 (121)	A5	13-17/32 (344)	13-53/64 (351)	9-1/2 (241)	33 (838)	1-1/16 (27)	1-1/2 (38.10)
													B1	15-53/64 (402)	15-27/32 (402)	9-1/2 (241)	34-7/16 (875)	1/8 (3)	1-13/16 45.72)
215TC	11-1/2 (292)	23 (584)	6-1/8 (156)	14-7/8 (378)	6 (152)	4	3/4 (19)	6-5/8 (168)	8	7/8 (22)	10-5/8 (270)	4-3/4 (121)	A5	13-17/32 (344)	13-53/64 (351)	9-1/2 (241)	33 (838)	1-1/16 (27)	1-1/2 (38.10)
													B1	15-53/64 (402)	15-27/32 (402)	9-1/2 (241)	34-27/64 (874)	1/8 (3)	1-13/16 45.72)

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xylem
Let's Solve Water

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3x3x11

Series 80[®]-SC

Spacer Coupled Vertical
In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW _____ HEAD _____

HP _____ RPM _____

VOLTS _____

CYCLE _____ PHASE _____

ENCLOSURE _____

APPROX. WEIGHT _____

SPECIALS _____

MATERIALS OF CONSTRUCTION

BRONZE FITTED ALL IRON

WORKING PRESSURE

175 psi (12 bar) W.P. with 125# ANSI flange drilling

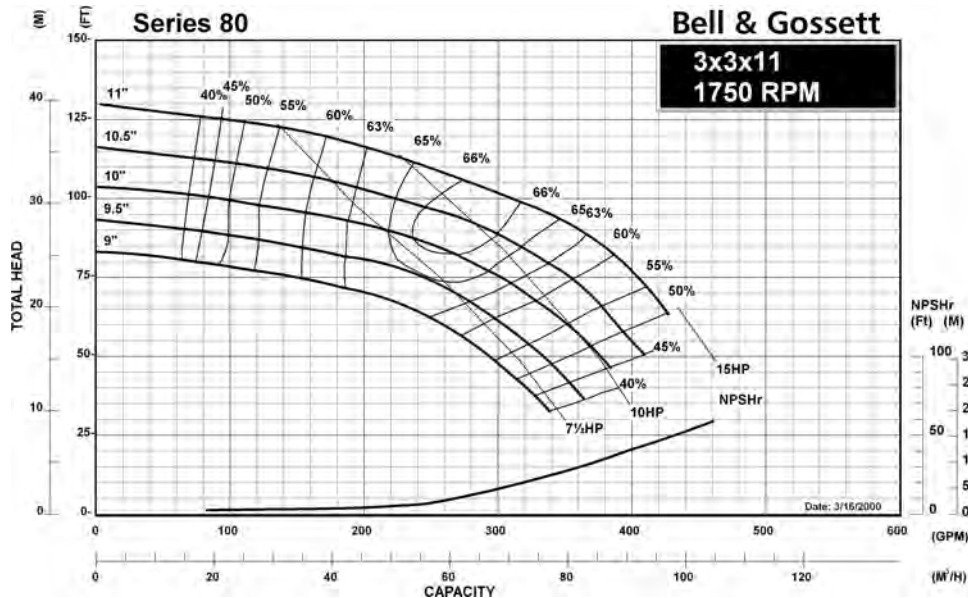
250 psi (17 bar) W.P. with 250# ANSI flange drilling

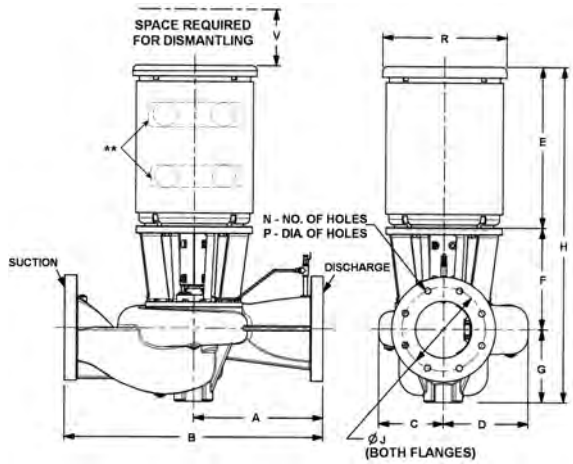
TYPE OF SEAL

STANDARD SEAL - Inside Unitized with flush line (EPR/Carbon-Ceramic)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)

OPTIONAL SEAL - Inside Unitized with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 250 psi (17 bar)

OPTIONAL SEAL - Outside Type "8B2"; with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)





FLANGE DIMENSIONS IN INCHES (MM)			
	SIZE	THICKNESS	O.D.
Discharge	3"	1-5/16 (33)	8 (203)
Suction	3"	1-5/16 (33)	8 (203)

VOLUTE BASE RING TAPPED FOR
3" - 125# ANSI FLANGE TO SUPPORT PUMP

DIMENSIONS - Inches (mm)

TC SHAFT MOTORS

MOTOR FRAME	A	B	C	D	G	F	E	H	125# ANSI			250# ANSI			R	V (Min)
									J	N	P	J	N	P		
213TC	12 (305)	24 (610)	6-15/16 (176)	7-5/8 (194)	6-3/4 (171)	11-1/4 (286)	14-7/8 (378)	32-7/8 (835)	6 (152)	4	3/4 (19)	6-5/8 (168)	8 (22)	7/8	10-5/8 (270)	5-1/2 (140)
215TC	12 (305)	24 (610)	6-15/16 (176)	7-5/8 (194)	6-3/4 (171)	11-1/4 (286)	14-7/8 (378)	32-7/8 (835)	6 (152)	4	3/4 (19)	6-5/8 (168)	8 (22)	7/8	10-5/8 (270)	5-1/2 (140)
254TC	12 (305)	24 (610)	6-15/16 (176)	7-5/8 (194)	6-3/4 (171)	11-1/4 (286)	19-7/16 (494)	37-1/2 (952)	6 (152)	4	3/4 (19)	6-5/8 (168)	8 (22)	7/8	12-5/16 (313)	5-1/2 (140)

HP SHAFT MOTORS

MOTOR FRAME	A	B	C	D	G	F	E	H	125# ANSI			250# ANSI			R	V (Min)
									J	N	P	J	N	P		
213HP	12 (305)	24 (610)	6-15/16 (176)	7-5/8 (194)	6-3/4 (171)	11-1/4 (286)	17-1/4 (438)	35-1/4 (895)	6 (152)	4	3/4 (19)	6-5/8 (168)	8 (22)	7/8	10-5/8 (270)	5-1/2 (140)
215HP	12 (305)	24 (610)	6-15/16 (176)	7-5/8 (194)	6-3/4 (171)	11-1/4 (286)	18-3/4 (476)	36-3/4 (933)	6 (152)	4	3/4 (19)	6-5/8 (168)	8 (22)	7/8	10-5/8 (270)	5-1/2 (140)
254HP	12 (305)	24 (610)	6-15/16 (176)	7-5/8 (194)	6-3/4 (171)	11-1/4 (286)	22-3/8 (568)	40-3/8 (1026)	6 (152)	4	3/4 (19)	6-5/8 (168)	8 (22)	7/8	12-5/16 (313)	5-1/2 (140)

IEC SHAFT MOTORS

MOTOR FRAME	A	B	C	D	G	F	E	H	125# ANSI			250# ANSI			R	V (Min)
									J	N	P	J	N	P		
112M	12 (305)	24 (610)	6-15/16 (176)	7-5/8 (194)	6-3/4 (171)	11-1/4 (286)	13-9/16 (344)	31-9/16 (802)	6 (152)	4	3/4 (19)	6-5/8 (168)	8 (22)	7/8	9-5/16 (237)	5-1/2 (140)
132	12 (305)	24 (610)	6-15/16 (176)	7-5/8 (194)	6-3/4 (171)	11-1/4 (286)	17-1/8 (435)	35-1/8 (892)	6 (152)	4	3/4 (19)	6-5/8 (168)	8 (22)	7/8	10-13/16 (275)	5-1/2 (140)

Dimensions are subject to change. Not to be used for construction purposes unless certified.

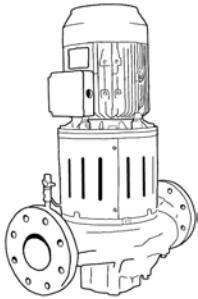
NOTE: For TEFC add 1-1/2" to dimensions E & H.

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3x3x11

Series 80[®]-SC

Spacer Coupled Vertical
In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW _____ HEAD _____

HP _____ RPM _____

VOLTS _____

CYCLE _____ PHASE _____

ENCLOSURE _____

APPROX. WEIGHT _____

SPECIALS _____

MATERIALS OF CONSTRUCTION

BRONZE FITTED ALL IRON

WORKING PRESSURE

175 psi (12 bar) W.P. with 125# ANSI flange drilling

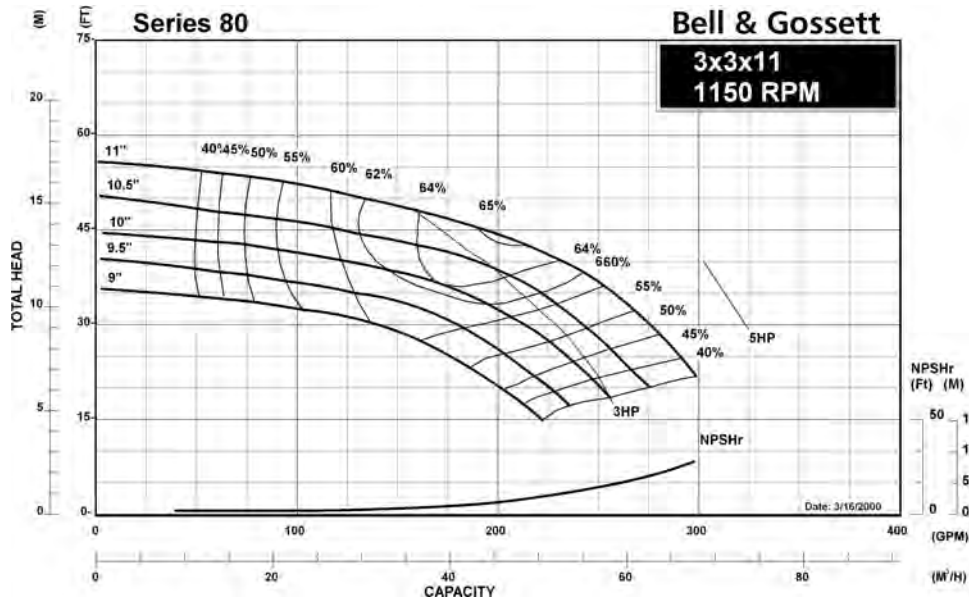
250 psi (17 bar) W.P. with 250# ANSI flange drilling

TYPE OF SEAL

STANDARD SEAL - Inside Unitized with flush line (EPR/Carbon-Ceramic)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)

OPTIONAL SEAL - Inside Unitized with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 250 psi (17 bar)

OPTIONAL SEAL - Outside Type "8B2"; with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)

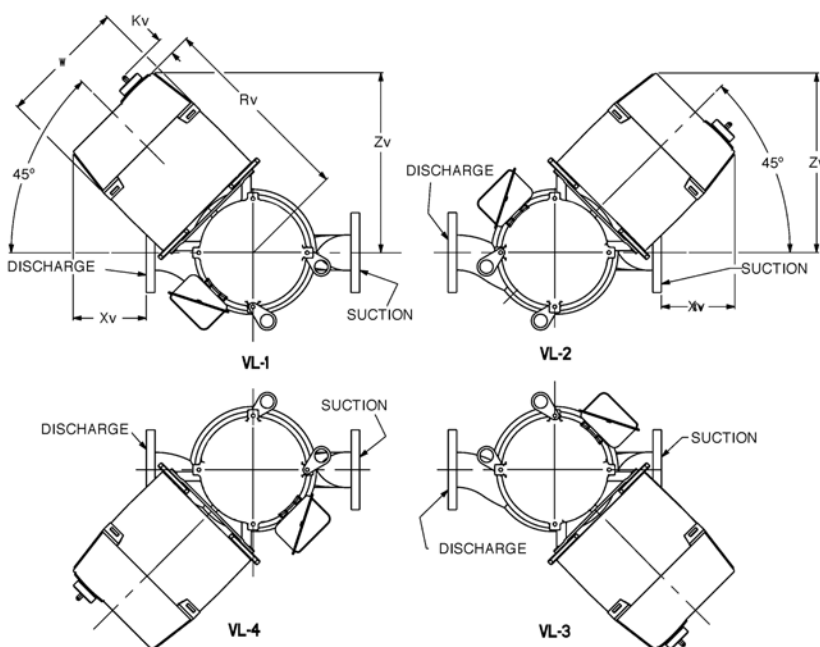
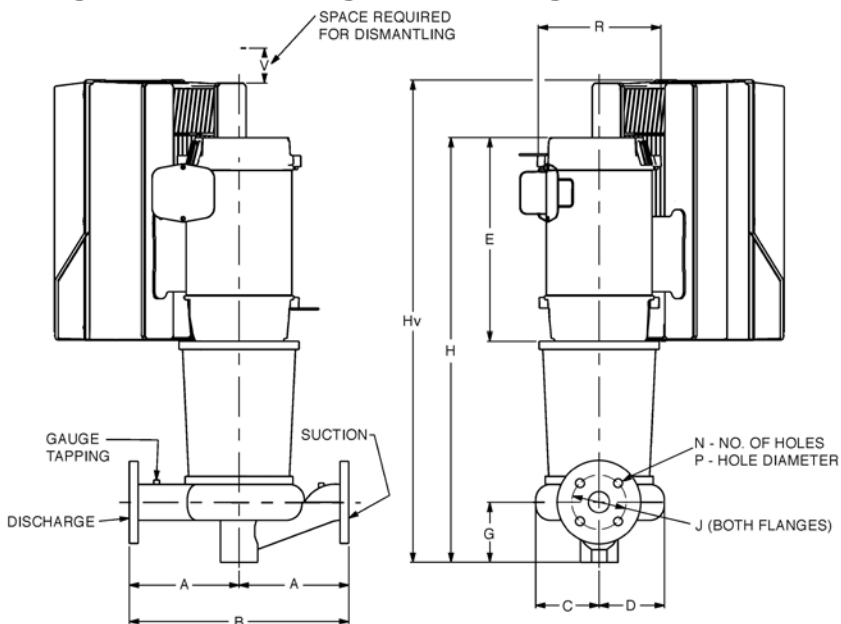




3x3x11 Series 80SC[®]

In-Line Mounted Centrifugal Pumps
With Optional Integrated Technologic[®] featuring Sensorless Control

TECHNOLOGIC STANDARD FEATURES	
CONTROL METHOD	Constant Pressure, Linear Control Curve, Quadratic Control Curve Factory configured for sensorless operation standard. Field configurable for use with a wired transducer.
ENCLOSURE	IP55 / NEMA 12 / UL type 12
POWER DISCONNECT SWITCH	Included standard. Fused Disconnect Switch optional.
EMI/RFI CONTROL	Integrated filter to meet EN62800-3.
HARMONIC SUPPRESSION	Integrated non-saturating dual DC link reactors provide better harmonic performance than a 5% AC line reactor.
COOLING	Fan-cooled through temperature controlled and easy replacement.
AMBIENT TEMPERATURE RATING	14°F to 113°F (-10°C to 45°C)
COMMUNICATION PROTOCOLS	BACnet, Modbus RTU, N2 Metasys, FLN Apogee
ANALOG INPUTS	2 configurable for either voltage (0 to 10VDC) or current(0/4 to 20mA)
ANALOG OUTPUTS	1 (0/4 to 20mA) up to 500 ohm load accurate to 1% of full scale
DIGITAL INPUTS	4 (0 to 24VDC), NPN or PNP, 0 to 24VDC, on 5 msec scan interval, Up to 2 can be configured as pulse inputs.
DIGITAL OUTPUTS	2 (0 to 24VDC), 40mA max current, configurable as pulse outputs.
RELAY OUTPUTS	2 programmable, 240VAC or 400VAC up to 2 A



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3x3x11 Series 80-SC®

In-Line Mounted Centrifugal Pumps
With Optional Integrated Technologic® featuring Sensorless Control

DIMENSIONS – Inches (mm)

TC SHAFT MOTORS

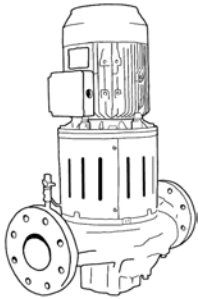
MOTOR FRAME	A	B	G	E	125# ANSI			250# ANSI			R	V (Min)	VFD	Rv	Zv	W	Hv	Xv	Kv
					J	N	P	J	N	P									
213TC	12 (305)	24 (610)	6-3/4 (171)	14-7/8 (378)	6 (152)	4	3/4 (19)	6-5/8 (168)	8	7/8 (22)	10-5/8 (270)	5-1/2 (140)	A5	13-17/32 (344)	12-9/16 (319)	9-1/2 (241)	32-7/8 (835)	9/16 (14)	1-1/2 (38.10)
													B1	15-53/64 (402)	14-7/32 (361)	9-1/2 (241)	34-5/16 (872)	2-7/32 (56)	1-13/16 (45.72)
215TC	12 (305)	24 (610)	6-3/4 (171)	14-7/8 (378)	6 (152)	4	3/4 (19)	6-5/8 (168)	8	7/8 (22)	10-5/8 (270)	5-1/2 (140)	A5	13-17/32 (344)	12-9/16 (319)	9-1/2 (241)	32-7/8 (835)	9/16 (14)	1-1/2 (38.10)
													B1	15-53/64 (402)	14-7/32 (361)	9-1/2 (241)	34-19/64 (871)	2-7/32 (56)	1-13/16 (45.72)
254TC	12 (305)	24 (610)	6-3/4 (171)	19-7/16 (494)	6 (152)	4	3/4 (19)	6-5/8 (168)	8	7/8 (22)	12-5/16 (313)	5-1/2 (140)	B1	16-53/64 (427)	14-59/64 (379)	9-1/2 (241)	39-35/64 (1005)	2-59/64 (74)	1-13/16 (45.72)

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<p>JOB:</p> <p>UNIT TAG:</p> <p>ENGINEER:</p> <p>CONTRACTOR:</p>	<p>REPRESENTATIVE:</p> <p>ORDER NO.</p> <p>SUBMITTED BY:</p> <p>APPROVED BY:</p>	<p>DATE:</p> <p>DATE:</p> <p>DATE:</p>
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4x4x7

Series 80[®]-SC

Spacer Coupled Vertical
In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW _____ HEAD _____

HP _____ RPM _____

VOLTS _____

CYCLE _____ PHASE _____

ENCLOSURE _____

APPROX. WEIGHT _____

SPECIALS _____

MATERIALS OF CONSTRUCTION

BRONZE FITTED ALL IRON

WORKING PRESSURE

175 psi (12 bar) W.P. with 125# ANSI flange drilling

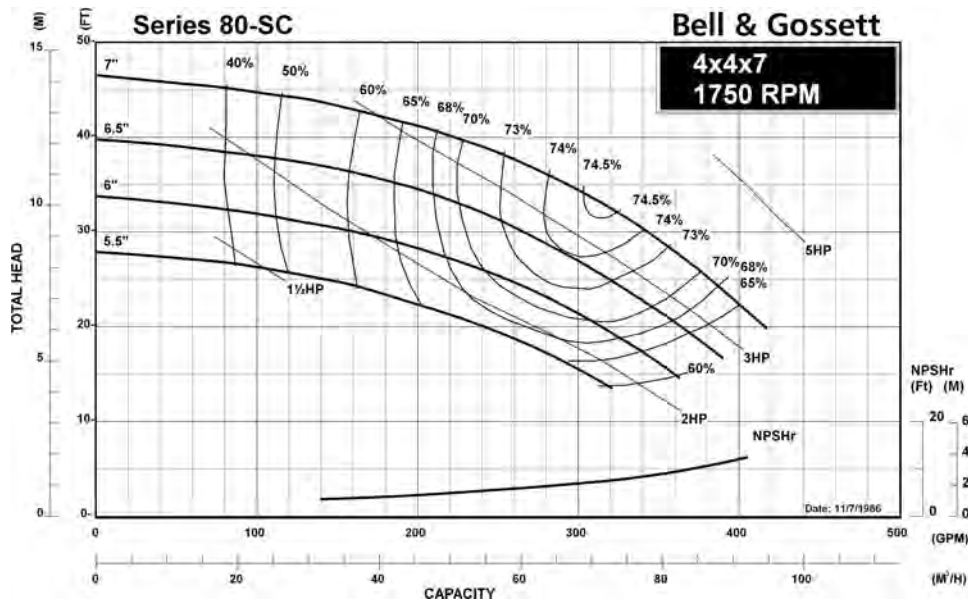
250 psi (17 bar) W.P. with 250# ANSI flange drilling

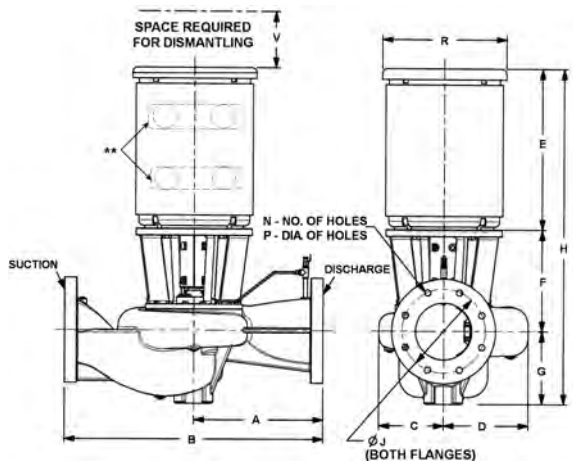
TYPE OF SEAL

STANDARD SEAL - Inside Unitized with flush line (EPR/Carbon-Ceramic)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)

OPTIONAL SEAL - Inside Unitized with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 250 psi (17 bar)

OPTIONAL SEAL - Outside Type "8B2"; with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)





FLANGE DIMENSIONS IN INCHES (MM)			
	SIZE	THICKNESS	O.D.
Discharge	4"	1-1/4 (32)	9-1/2 (241)
Suction	4"	1-1/4 (32)	9-1/2 (241)

**VOLUTE BASE RING TAPPED FOR
3" - 125# ANSI FLANGE TO SUPPORT PUMP**

** Motor may be supplied with feet

DIMENSIONS - Inches (mm)

TC SHAFT MOTORS

MOTOR FRAME	A	B	C	D	G	F	E	H	125# ANSI			250# ANSI			R	V (Min)
									J	N	P	J	N	P		
182TC	10-1/2 (267)	21 (533)	5-1/2 (140)	6-1/4 (159)	6-3/8 (162)	12-3/16 (310)	12-1/4 (311)	30-13/16 (783)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	8-3/4 (222)	4-3/4 (121)
184TC	10-1/2 (267)	21 (533)	5-1/2 (140)	6-1/4 (159)	6-3/8 (162)	12-3/16 (310)	13-1/4 (337)	31-13/16 (808)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	8-3/4 (222)	4-3/4 (121)

HP SHAFT MOTORS

MOTOR FRAME	A	B	C	D	G	F	E	H	125# ANSI			250# ANSI			R	V (Min)
									J	N	P	J	N	P		
143HP	10-1/2 (267)	21 (533)	5-1/2 (140)	6-1/4 (159)	6-3/8 (162)	12-3/16 (310)	11-13/16 (300)	30-3/8 (772)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	7-1/16 (179)	4-3/4 (121)
145HP	10-1/2 (267)	21 (533)	5-1/2 (140)	6-1/4 (159)	6-3/8 (162)	12-3/16 (310)	12-13/16 (325)	31-3/8 (797)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	7-1/16 (179)	4-3/4 (121)
182HP	10-1/2 (267)	21 (533)	5-1/2 (140)	6-1/4 (159)	6-3/8 (162)	12-3/16 (310)	13-7/8 (352)	32-1/2 (826)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	8-3/4 (222)	4-3/4 (121)
184HP	10-1/2 (267)	21 (533)	5-1/2 (140)	6-1/4 (159)	6-3/8 (162)	12-3/16 (310)	14-7/8 (378)	33-1/2 (851)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	8-3/4 (222)	4-3/4 (121)

IEC SHAFT MOTORS

MOTOR FRAME	A	B	C	D	G	F	E	H	125# ANSI			250# ANSI			R	V (Min)
									J	N	P	J	N	P		
80	10-1/2 (267)	21 (533)	5-1/2 (140)	6-1/4 (159)	6-3/8 (162)	12-3/16 (310)	9-15/16 (252)	28-9/16 (725)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	6-7/8 (175)	4-3/4 (121)
90	10-1/2 (267)	21 (533)	5-1/2 (140)	6-1/4 (159)	6-3/8 (162)	12-3/16 (310)	11-5/8 (295)	30-3/16 (767)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	7-1/2 (190)	4-3/4 (121)
100L	10-1/2 (267)	21 (533)	5-1/2 (140)	6-1/4 (159)	6-3/8 (162)	12-3/16 (310)	12-11/16 (322)	31-1/4 (794)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	8-1/4 (210)	4-3/4 (121)
132	10-1/2 (267)	21 (533)	5-1/2 (140)	6-1/4 (159)	6-3/8 (162)	12-3/16 (310)	17-1/8 (435)	35-11/16 (906)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	10-13/16 (275)	4-3/4 (121)
160M	10-1/2 (267)	21 (533)	5-1/2 (140)	6-1/4 (159)	6-3/8 (162)	14-13/16 (376)	20-1/4 (514)	41-7/16 (1053)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	13 (330)	4-3/4 (121)

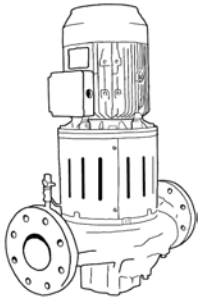
Dimensions are subject to change. Not to be used for construction purposes unless certified.

NOTE: For TEFC add 1-1/2" to dimensions E & H.

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<p>JOB:</p> <p>UNIT TAG:</p> <p>ENGINEER:</p> <p>CONTRACTOR:</p>	<p>REPRESENTATIVE:</p> <p>ORDER NO.</p> <p>SUBMITTED BY:</p> <p>APPROVED BY:</p>	<p>DATE:</p> <p>DATE:</p> <p>DATE:</p>
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4x4x7

Series 80[®]-SC

Spacer Coupled Vertical
In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW _____ HEAD _____

HP _____ RPM _____

VOLTS _____

CYCLE _____ PHASE _____

ENCLOSURE _____

APPROX. WEIGHT _____

SPECIALS _____

MATERIALS OF CONSTRUCTION

BRONZE FITTED ALL IRON

WORKING PRESSURE

175 psi (12 bar) W.P. with 125# ANSI flange drilling

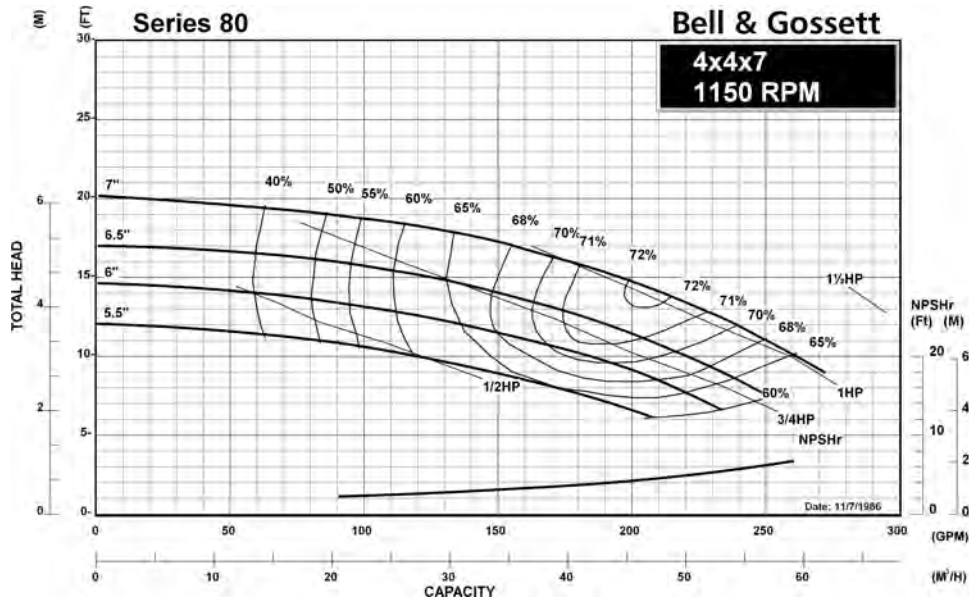
250 psi (17 bar) W.P. with 250# ANSI flange drilling

TYPE OF SEAL

STANDARD SEAL - Inside Unitized with flush line (EPR/Carbon-Ceramic)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)

OPTIONAL SEAL - Inside Unitized with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 250 psi (17 bar)

OPTIONAL SEAL - Outside Type "8B2"; with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)

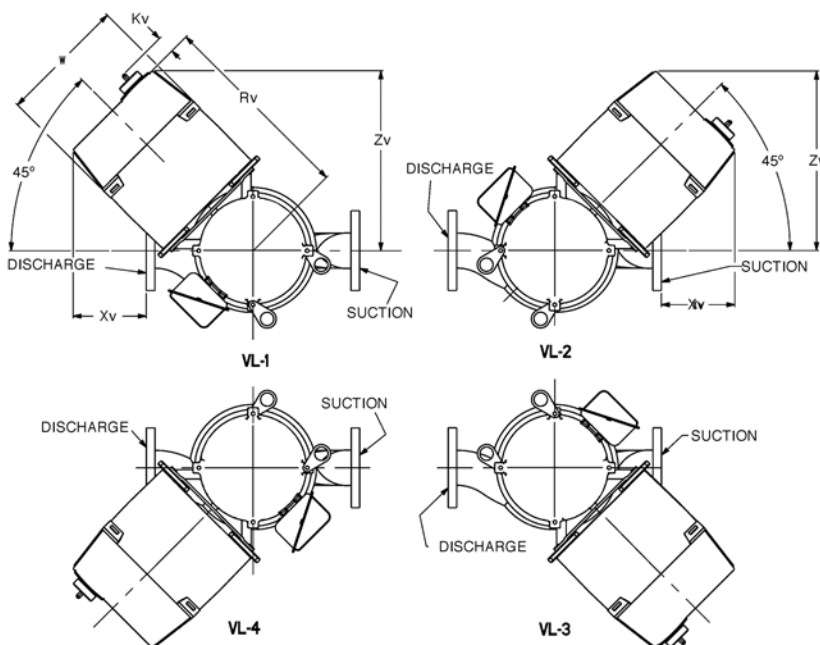
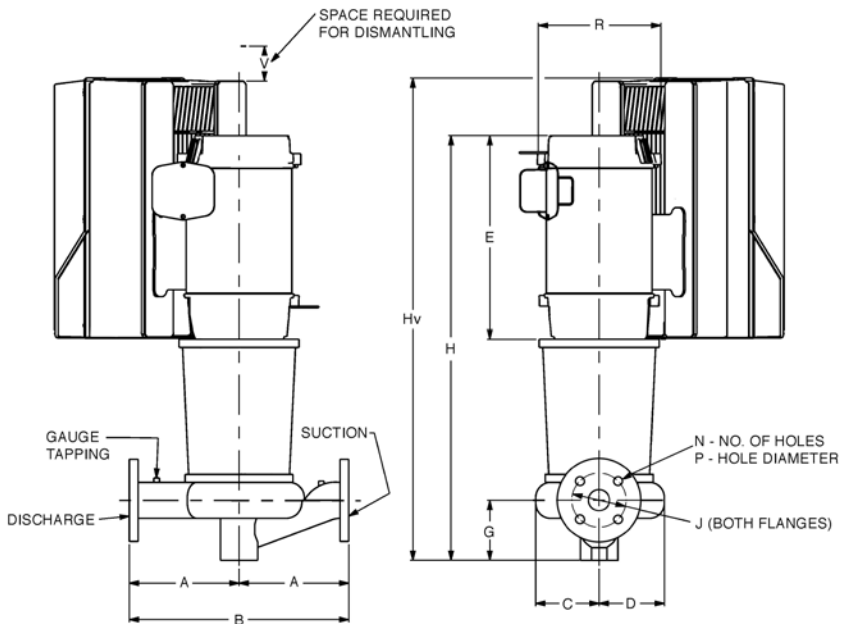




4x4x7 Series 80SC[®]

In-Line Mounted Centrifugal Pumps
With Optional Integrated Technologic[®] featuring Sensorless Control

TECHNOLOGIC STANDARD FEATURES	
CONTROL METHOD	Constant Pressure, Linear Control Curve, Quadratic Control Curve Factory configured for sensorless operation standard. Field configurable for use with a wired transducer.
ENCLOSURE	IP55 / NEMA 12 / UL type 12
POWER DISCONNECT SWITCH	Included standard. Fused Disconnect Switch optional.
EMI/RFI CONTROL	Integrated filter to meet EN62800-3.
HARMONIC SUPPRESSION	Integrated non-saturating dual DC link reactors provide better harmonic performance than a 5% AC line reactor.
COOLING	Fan-cooled through temperature controlled and easy replacement.
AMBIENT TEMPERATURE RATING	14°F to 113°F (-10°C to 45°C)
COMMUNICATION PROTOCOLS	BACnet, Modbus RTU, N2 Metasys, FLN Apogee
ANALOG INPUTS	2 configurable for either voltage (0 to 10VDC) or current(0/4 to 20mA)
ANALOG OUTPUTS	1 (0/4 to 20mA) up to 500 ohm load accurate to 1% of full scale
DIGITAL INPUTS	4 (0 to 24VDC), NPN or PNP, 0 to 24VDC, on 5 msec scan interval, Up to 2 can be configured as pulse inputs.
DIGITAL OUTPUTS	2 (0 to 24VDC), 40mA max current, configurable as pulse outputs.
RELAY OUTPUTS	2 programmable, 240VAC or 400VAC up to 2 A



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4x4x7 Series 80-SC[®]

In-Line Mounted Centrifugal Pumps
With Optional Integrated Technologic[®] featuring Sensorless Control

DIMENSIONS – Inches (mm)

TC SHAFT MOTORS

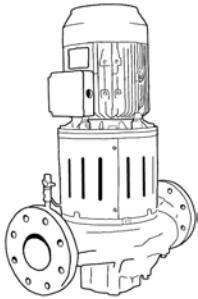
MOTOR FRAME	A	B	G	E	125# ANSI			250# ANSI			R	V (Min)	VFD	Rv	Zv	W	Hv	Xv	Kv
					J	N	P	J	N	P									
182TC	10-1/2 (267)	21 (533)	6-3/8 (162)	12-1/4 (311)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	8-3/4 (222)	4-3/4 (121)	A5	12-25/32 (324)	12-1/32 (306)	9-1/2 (241)	33-19/32 (853)	1-17/32 (39)	1-1/2 (38.10)
184TC	10-1/2 (267)	21 (533)	6-3/8 (162)	13-1/4 (337)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	8-3/4 (222)	4-3/4 (121)	A5	12-25/32 (324)	12-1/32 (306)	9-1/2 (241)	34-19/32 (879)	1-17/32 (39)	1-1/2 (38.10)

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<p>JOB:</p> <p>UNIT TAG:</p> <p>ENGINEER:</p> <p>CONTRACTOR:</p>	<p>REPRESENTATIVE:</p> <p>ORDER NO.</p> <p>SUBMITTED BY:</p> <p>APPROVED BY:</p>	<p>DATE:</p> <p>DATE:</p> <p>DATE:</p>
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4x4x9^{1/2} Series 80[®]-SC

Spacer Coupled Vertical
In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW _____ HEAD _____

HP _____ RPM _____

VOLTS _____

CYCLE _____ PHASE _____

ENCLOSURE _____

APPROX. WEIGHT _____

SPECIALS _____

MATERIALS OF CONSTRUCTION

BRONZE FITTED ALL IRON

WORKING PRESSURE

175 psi (12 bar) W.P.
with 125# ANSI flange
drilling

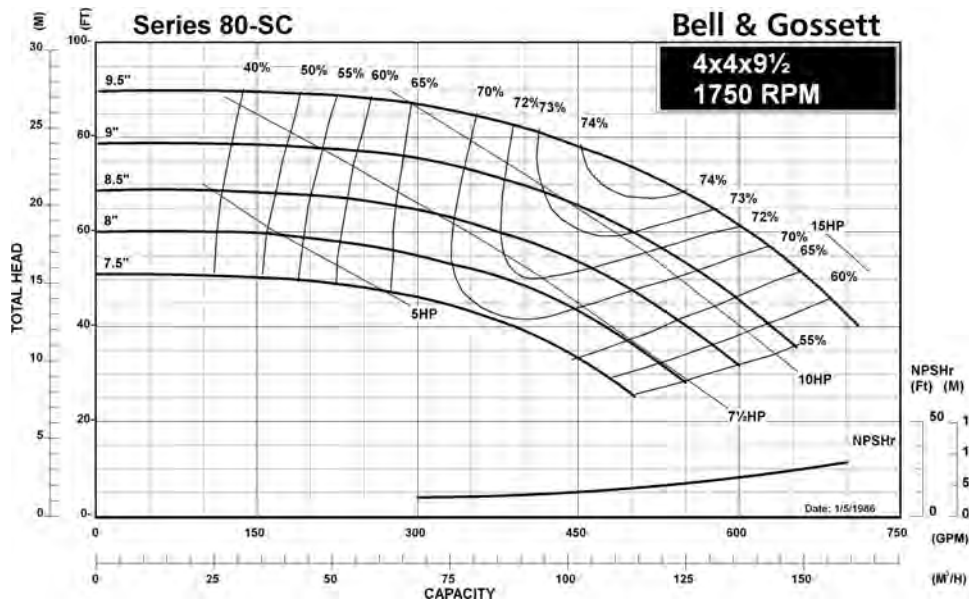
250 psi (17 bar) W.P.
with 250# ANSI flange
drilling

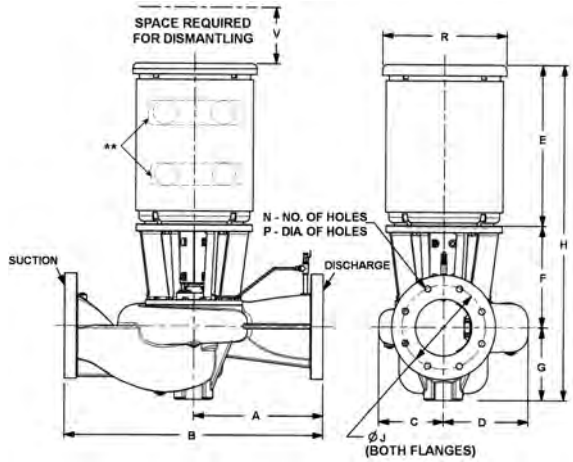
TYPE OF SEAL

STANDARD SEAL - Inside Unitized with flush line (EPR/Carbon-Ceramic)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)

OPTIONAL SEAL - Inside Unitized with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 250 psi (17 bar)

OPTIONAL SEAL - Outside Type "8B2"; with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)





FLANGE DIMENSIONS IN INCHES (MM)			
	SIZE	THICKNESS	O.D.
Discharge	4"	1-1/4 (32)	9-1/2 (241)
Suction	4"	1-1/4 (32)	9-1/2 (241)

**VOLUTE BASE RING TAPPED FOR
3" - 125# ANSI FLANGE TO SUPPORT PUMP**

** Motor may be supplied with feet

DIMENSIONS - Inches (mm)

TC SHAFT MOTORS

MOTOR FRAME	A	B	C	D	G	F	E	H	125# ANSI			250# ANSI			R	V (Min)
									J	N	P	J	N	P		
182TC	12-1/2 (318)	25 (635)	7-1/4 (184)	8-1/2 (216)	7-1/8 (181)	12-3/4 (324)	12-1/4 (311)	32-1/8 (816)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	8-3/4 (222)	5 (127)
184TC	12-1/2 (318)	25 (635)	7-1/4 (184)	8-1/2 (216)	7-1/8 (181)	12-3/4 (324)	13-1/4 (337)	33-1/8 (841)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	8-3/4 (222)	5 (127)
213TC	12-1/2 (318)	25 (635)	7-1/4 (184)	8-1/2 (216)	7-1/8 (181)	12-3/4 (324)	14-7/8 (378)	34-13/16 (884)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	10-5/8 (270)	5 (127)
215TC	12-1/2 (318)	25 (635)	7-1/4 (184)	8-1/2 (216)	7-1/8 (181)	12-3/4 (324)	14-7/8 (378)	34-13/16 (884)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	10-5/8 (270)	5 (127)
254TC	12-1/2 (318)	25 (635)	7-1/4 (184)	8-1/2 (216)	7-1/8 (181)	12-3/4 (324)	19-7/16 (494)	39-3/8 (1000)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	12-5/16 (313)	5 (127)

HP SHAFT MOTORS

MOTOR FRAME	A	B	C	D	G	F	E	H	125# ANSI			250# ANSI			R	V (Min)
									J	N	P	J	N	P		
182HP	12-1/2 (318)	25 (635)	7-1/4 (184)	8-1/2 (216)	7-1/8 (181)	12-3/4 (324)	13-7/8 (352)	33-13/16 (859)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	8-3/4 (222)	5 (127)
184HP	12-1/2 (318)	25 (635)	7-1/4 (184)	8-1/2 (216)	7-1/8 (181)	12-3/4 (324)	14-7/8 (378)	34-13/16 (884)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	8-3/4 (222)	5 (127)
213HP	12-1/2 (318)	25 (635)	7-1/4 (184)	8-1/2 (216)	7-1/8 (181)	12-3/4 (324)	17-1/4 (438)	37-1/8 (943)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	10-5/8 (270)	5 (127)
215HP	12-1/2 (318)	25 (635)	7-1/4 (184)	8-1/2 (216)	7-1/8 (181)	12-3/4 (324)	18-3/4 (476)	38-5/8 (981)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	10-5/8 (270)	5 (127)
254HP	12-1/2 (318)	25 (635)	7-1/4 (184)	8-1/2 (216)	7-1/8 (181)	12-3/4 (324)	22-3/8 (568)	42-1/4 (1073)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	12-5/16 (313)	5 (127)

IEC SHAFT MOTORS

MOTOR FRAME	A	B	C	D	G	F	E	H	125# ANSI			250# ANSI			R	V (Min)
									J	N	P	J	N	P		
100L	12-1/2 (318)	25 (635)	7-1/4 (184)	8-1/2 (216)	7-1/8 (181)	12-3/4 (324)	12-11/16 (322)	32-9/16 (827)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	8-1/4 (210)	5 (127)
112M	12-1/2 (318)	25 (635)	7-1/4 (184)	8-1/2 (216)	7-1/8 (181)	12-3/4 (324)	13-9/16 (344)	33-1/2 (851)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	9-5/16 (237)	5 (127)
132	12-1/2 (318)	25 (635)	7-1/4 (184)	8-1/2 (216)	7-1/8 (181)	12-3/4 (324)	17-1/8 (435)	37 (940)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	10-13/16 (275)	5 (127)

Dimensions are subject to change. Not to be used for construction purposes unless certified.

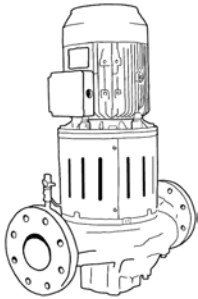
NOTE: For TEFC add 1-1/2" to dimensions E & H.

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<p>JOB:</p> <p>UNIT TAG:</p> <p>ENGINEER:</p> <p>CONTRACTOR:</p>	<p>REPRESENTATIVE:</p> <p>ORDER NO.</p> <p>SUBMITTED BY:</p> <p>APPROVED BY:</p>	<p>DATE:</p> <p>DATE:</p> <p>DATE:</p>
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4x4x9^{1/2} Series 80[®]-SC

Spacer Coupled Vertical
In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW _____ HEAD _____

HP _____ RPM _____

VOLTS _____

CYCLE _____ PHASE _____

ENCLOSURE _____

APPROX. WEIGHT _____

SPECIALS _____

MATERIALS OF CONSTRUCTION

BRONZE FITTED ALL IRON

WORKING PRESSURE

175 psi (12 bar) W.P. with 125# ANSI flange drilling

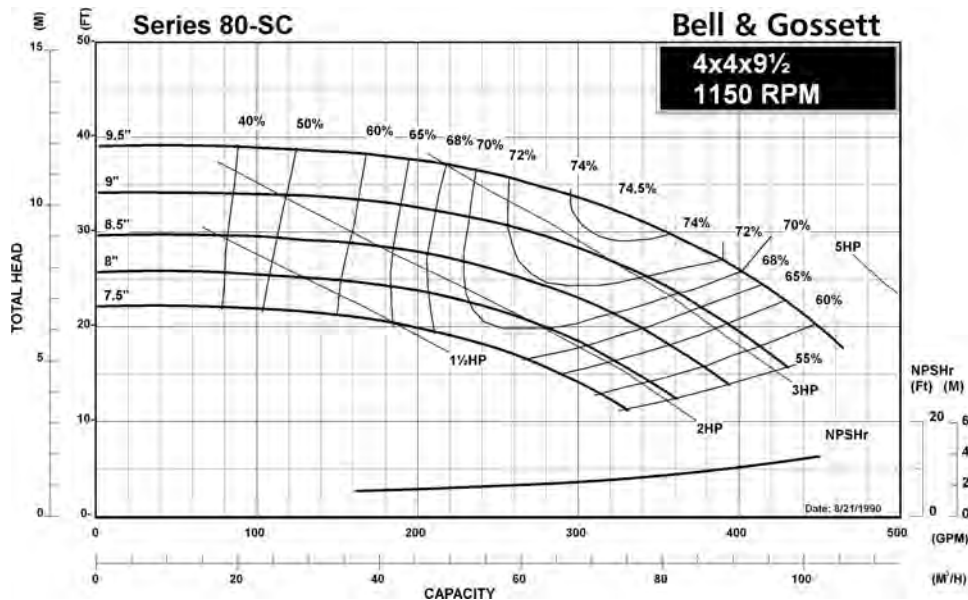
250 psi (17 bar) W.P. with 250# ANSI flange drilling

TYPE OF SEAL

STANDARD SEAL - Inside Unitized with flush line (EPR/Carbon-Ceramic)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)

OPTIONAL SEAL - Inside Unitized with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 250 psi (17 bar)

OPTIONAL SEAL - Outside Type "8B2"; with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)

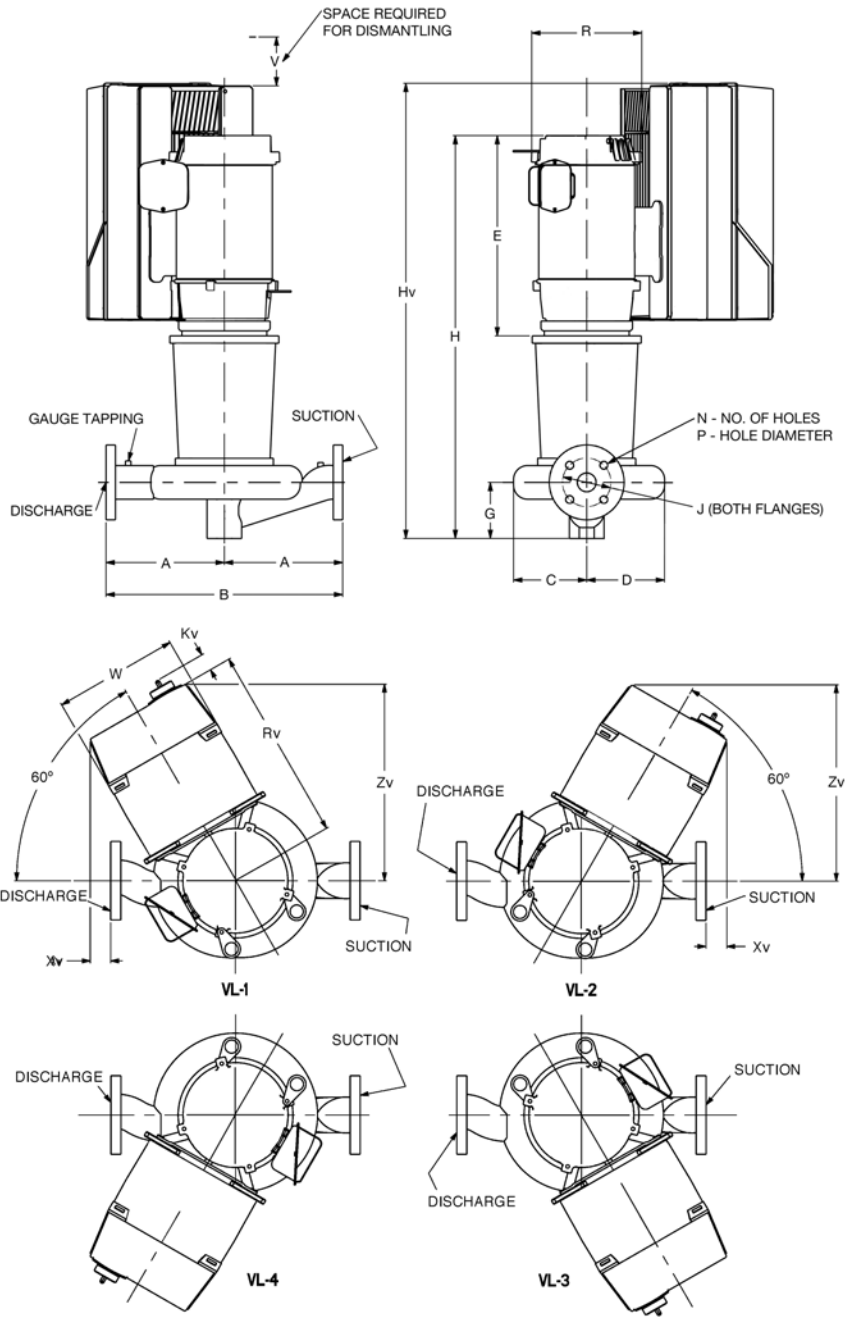




4x4x9¹/₂ Series 80SC[®]

In-Line Mounted Centrifugal Pumps
With Optional Integrated Technologic[®] featuring Sensorless Control

TECHNOLOGIC STANDARD FEATURES	
CONTROL METHOD	Constant Pressure, Linear Control Curve, Quadratic Control Curve Factory configured for sensorless operation standard. Field configurable for use with a wired transducer.
ENCLOSURE	IP55 / NEMA 12 / UL type 12
POWER DISCONNECT SWITCH	Included standard. Fused Disconnect Switch optional.
EMI/RFI CONTROL	Integrated filter to meet EN62800-3.
HARMONIC SUPPRESSION	Integrated non-saturating dual DC link reactors provide better harmonic performance than a 5% AC line reactor.
COOLING	Fan-cooled through temperature controlled and easy replacement.
AMBIENT TEMPERATURE RATING	14°F to 113°F (-10°C to 45°C)
COMMUNICATION PROTOCOLS	BACnet, Modbus RTU, N2 Metasys, FLN Apogee
ANALOG INPUTS	2 configurable for either voltage (0 to 10VDC) or current(0/4 to 20mA)
ANALOG OUTPUTS	1 (0/4 to 20mA) up to 500 ohm load accurate to 1% of full scale
DIGITAL INPUTS	4 (0 to 24VDC), NPN or PNP, 0 to 24VDC, on 5 msec scan interval, Up to 2 can be configured as pulse inputs.
DIGITAL OUTPUTS	2 (0 to 24VDC), 40mA max current, configurable as pulse outputs.
RELAY OUTPUTS	2 programmable, 240VAC or 400VAC up to 2 A



Xylem Inc.
8200 N. Austin Avenue
Morton Grove, IL 60053
Phone: (847)966-3700
Fax: (847)965-8379
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4x4x9¹/₂ Series 80-SC[®]

In-Line Mounted Centrifugal Pumps
With Optional Integrated Technologic[®] featuring Sensorless Control

DIMENSIONS – Inches (mm)

TC SHAFT MOTORS

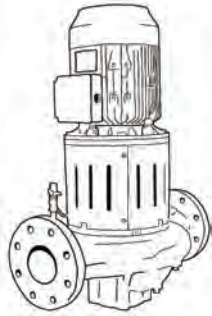
MOTOR FRAME	A	B	G	E	125# ANSI			250# ANSI			R	V (Min)	VFD	Rv	Zv	W	Hv	Xv	Kv
					J	N	P	J	N	P									
182TC	12-1/2 (318)	25 (635)	7-1/8 (181)	12-1/4 (311)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	8-3/4 (222)	5 (127)	A5	12-25/32 (324)	13-3/16 (335)	9-1/2 (241)	34-29/32 (887)	2-7/16 (62)	1-1/2 (38.10)
184TC	12-1/2 (318)	25 (635)	7-1/8 (181)	13-1/4 (337)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	8-3/4 (222)	5 (127)	A5	12-25/32 (324)	13-3/16 (335)	9-1/2 (241)	35-29/32 (912)	2-7/16 (62)	1-1/2 (38.10)
213TC	12-1/2 (318)	25 (635)	7-1/8 (181)	14-7/8 (378)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	10-5/8 (270)	5 (127)	A5	13-17/32 (344)	13-53/64 (351)	9-1/2 (241)	34-13/16 (884)	2-1/16 (52)	1-1/2 (38.10)
													B1	15-53/64 (402)	15-27/32 (402)	9-1/2 (241)	36-1/4 (921)	7/8 (22)	1-13/16 (45.72)
215TC	12-1/2 (318)	25 (635)	7-1/8 (181)	14-7/8 (378)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	10-5/8 (270)	5 (127)	A5	13-17/32 (344)	13-53/64 (351)	9-1/2 (241)	34-13/16 (884)	2-1/16 (52)	1-1/2 (38.10)
													B1	15-53/64 (402)	15-27/32 (402)	9-1/2 (241)	36-15/64 (920)	7/8 (22)	1-13/16 (45.72)
254TC	12-1/2 (318)	25 (635)	7-1/8 (181)	19-7/16 (494)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	12-5/16 (313)	5 (127)	B1	16-53/64 (427)	16-45/64 (424)	9-1/2 (241)	41-27/64 (1052)	3/8 (10)	1-13/16 (45.72)

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JOB: UNIT TAG: ENGINEER: CONTRACTOR:	REPRESENTATIVE: ORDER NO. SUBMITTED BY: APPROVED BY:	DATE: DATE: DATE:
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4x4x11 Series 80®-SC

Spacer Coupled Vertical
In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW _____ HEAD _____
 HP _____ RPM _____
 VOLTS _____
 CYCLE _____ PHASE _____
 ENCLOSURE _____
 APPROX. WEIGHT _____
 SPECIALS _____

MATERIALS OF CONSTRUCTION

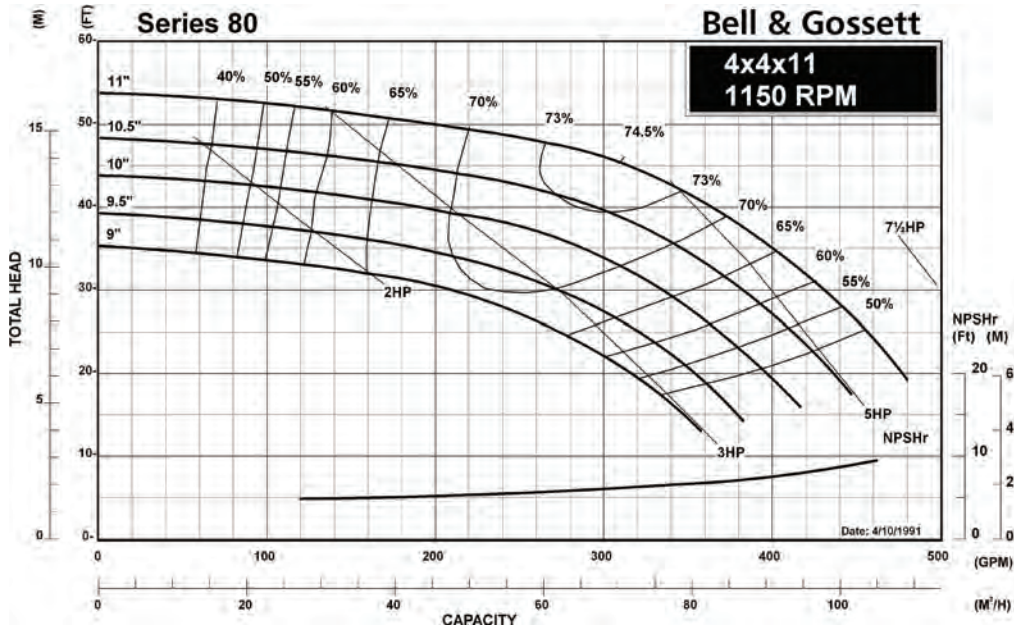
BRONZE FITTED ALL IRON

WORKING PRESSURE

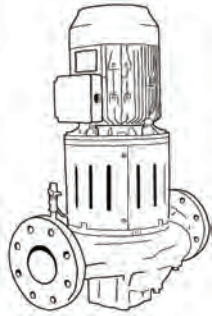
175 psi (12 bar) W.P.
with 125# ANSI flange drilling
 250 psi (17 bar) W.P.
with 250# ANSI flange drilling

TYPE OF SEAL

STANDARD SEAL - Inside Unitized with flush line (EPR/Carbon-Ceramic)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)
 OPTIONAL SEAL - Inside Unitized with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 250 psi (17 bar)
 OPTIONAL SEAL - Outside Type "8B2"; with flush line (EPR/Carbon-Ceramic)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 250 psi (17 bar)



JOB: UNIT TAG: ENGINEER: CONTRACTOR:	REPRESENTATIVE: ORDER NO. SUBMITTED BY: APPROVED BY:	DATE: DATE: DATE:
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4x4x11 Series 80®-SC

Spacer Coupled Vertical
In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW _____ HEAD _____
 HP _____ RPM _____
 VOLTS _____
 CYCLE _____ PHASE _____
 ENCLOSURE _____
 APPROX. WEIGHT _____
 SPECIALS _____

MATERIALS OF CONSTRUCTION

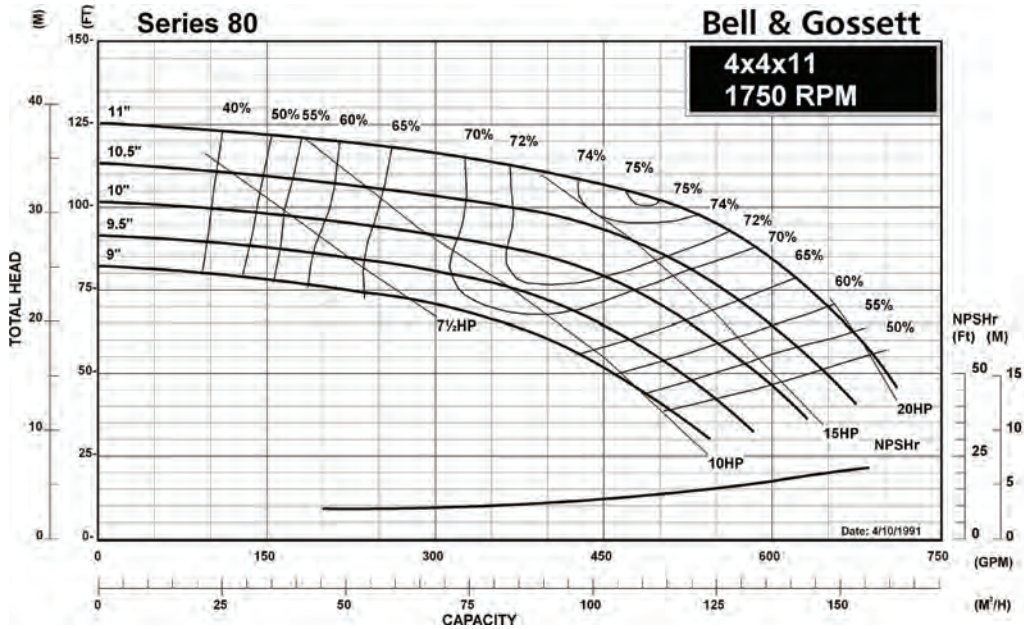
BRONZE FITTED ALL IRON

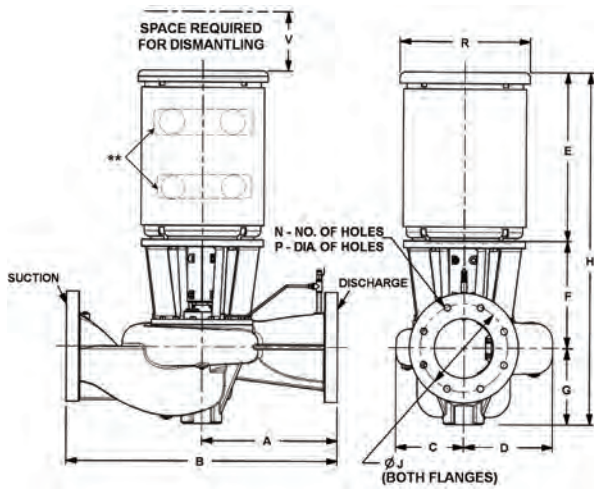
WORKING PRESSURE

175 psi (12 bar) W.P.
with 125# ANSI flange drilling
 250 psi (17 bar) W.P.
with 250# ANSI flange drilling

TYPE OF SEAL

- STANDARD SEAL - Inside Unitized with flush line (EPR/Carbon-Ceramic)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)
- OPTIONAL SEAL - Inside Unitized with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 250 psi (17 bar)
- OPTIONAL SEAL - Outside Type "8B2"; with flush line (EPR/Carbon-Ceramic)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 250 psi (17 bar)





FLANGE DIMENSIONS IN INCHES (MM)			
	SIZE	THICKNESS	O.D.
Discharge	4"	1-1/4 (32)	9-1/2 (241)
Suction	4"	1-1/4 (32)	9-1/2 (241)

**VOLUTE BASE RING TAPPED FOR
3" - 125# ANSI FLANGE TO SUPPORT PUMP**

** Motor may be supplied with feet

DIMENSIONS - Inches (mm)

TC SHAFT MOTORS

MOTOR FRAME	A	B	C	D	G	F	E	H	125# ANSI			250# ANSI			R	V (Min)
									J	N	P	J	N	P		
									213TC	13 (330)	26 (660)	7-9/16 (192)	8-9/16 (217)	7-1/2 (190)		
215TC	13 (330)	26 (660)	7-9/16 (192)	8-9/16 (217)	7-1/2 (190)	11-7/16 (291)	14-7/8 (378)	33-13/16 (859)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	10-5/8 (270)	5-3/4 (146)
254TC	13 (330)	26 (660)	7-9/16 (192)	8-9/16 (217)	7-1/2 (190)	11-7/16 (291)	19-7/16 (494)	38-7/16 (976)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	12-5/16 (313)	5-3/4 (146)
256TC	13 (330)	26 (660)	7-9/16 (192)	8-9/16 (217)	7-1/2 (190)	11-7/16 (291)	21-3/16 (538)	40-1/8 (1019)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	12-5/16 (313)	5-3/4 (146)
284TC	13 (330)	26 (660)	7-9/16 (192)	8-9/16 (217)	7-1/2 (190)	13-1/2 (343)	22-1/16 (560)	43-1/16 (1094)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	14-1/8 (359)	5-3/4 (146)

HP SHAFT MOTORS

MOTOR FRAME	A	B	C	D	G	F	E	H	125# ANSI			250# ANSI			R	V (Min)
									J	N	P	J	N	P		
									213HP	13 (330)	26 (660)	7-9/16 (192)	8-9/16 (217)	7-1/2 (190)		
215HP	13 (330)	26 (660)	7-9/16 (192)	8-9/16 (217)	7-1/2 (190)	11-7/16 (291)	18-3/4 (476)	37-11/16 (957)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	10-5/8 (270)	5-3/4 (146)
254HP	13 (330)	26 (660)	7-9/16 (192)	8-9/16 (217)	7-1/2 (190)	11-7/16 (291)	22-3/8 (568)	41-5/16 (1049)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	12-5/16 (313)	5-3/4 (146)
256HP	13 (330)	26 (660)	7-9/16 (192)	8-9/16 (217)	7-1/2 (190)	11-7/16 (291)	24-1/16 (611)	43 (1092)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	12-5/16 (313)	5-3/4 (146)
284HPH	13 (330)	26 (660)	7-9/16 (192)	8-9/16 (217)	7-1/2 (190)	13-1/2 (343)	25-1/8 (638)	46-1/8 (1172)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	14-1/8 (359)	5-3/4 (146)

IEC SHAFT MOTORS

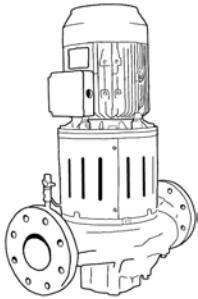
MOTOR FRAME	A	B	C	D	G	F	E	H	125# ANSI			250# ANSI			R	V (Min)
									J	N	P	J	N	P		
									132	13 (330)	26 (660)	7-9/16 (192)	8-9/16 (217)	7-1/2 (190)		
160M	13 (330)	26 (660)	7-9/16 (192)	8-9/16 (217)	7-1/2 (190)	13-1/2 (343)	20-1/4 (514)	41-1/4 (1048)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	13 (330)	5-3/4 (146)

Dimensions are subject to change. Not to be used for construction purposes unless certified.

NOTE: For TEFC add 1-1/2" to dimensions E & H.



JOB: UNIT TAG: ENGINEER: CONTRACTOR:	REPRESENTATIVE: ORDER NO. SUBMITTED BY: APPROVED BY:	DATE: DATE: DATE:
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5x5x7

Series 80[®]-SC

Spacer Coupled Vertical
In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW _____ HEAD _____

HP _____ RPM _____

VOLTS _____

CYCLE _____ PHASE _____

ENCLOSURE _____

APPROX. WEIGHT _____

SPECIALS _____

MATERIALS OF CONSTRUCTION

BRONZE FITTED ALL IRON

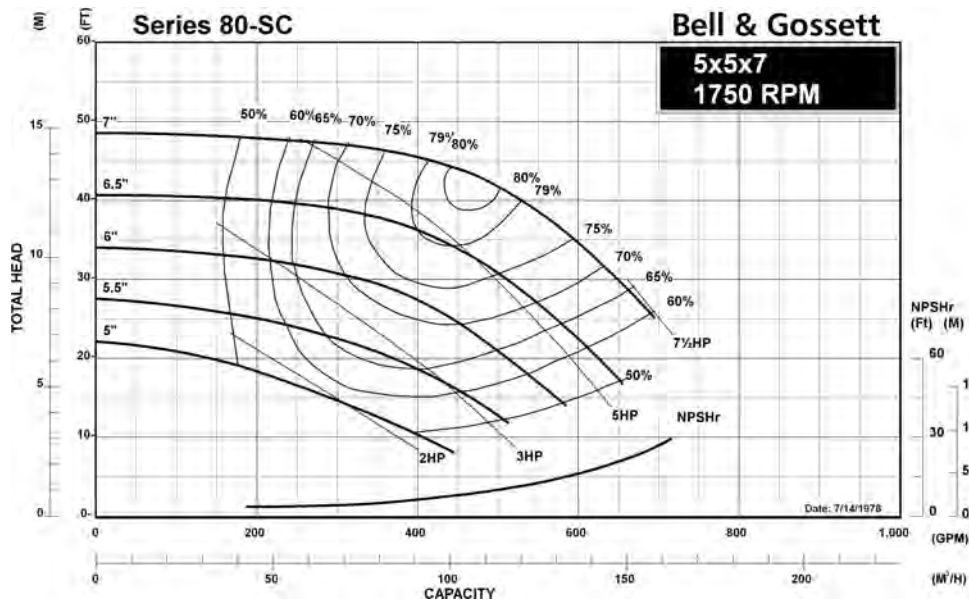
WORKING PRESSURE

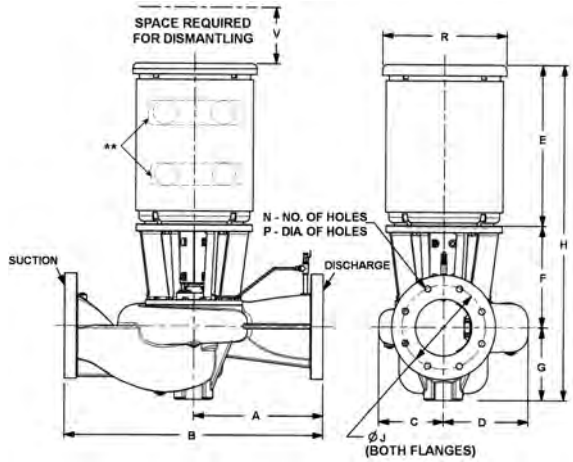
175 psi (12 bar) W.P. with 125# ANSI flange drilling

250 psi (17 bar) W.P. with 250# ANSI flange drilling

TYPE OF SEAL

- STANDARD SEAL - Inside Unitized with flush line (EPR/Carbon-Ceramic)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)
- OPTIONAL SEAL - Inside Unitized with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 250 psi (17 bar)
- OPTIONAL SEAL - Outside Type "8B2"; with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)





FLANGE DIMENSIONS IN INCHES (MM)			
	SIZE	THICKNESS	O.D.
Discharge	5"	1-3/8 (35)	10-3/4 (273)
Suction	5"	1-3/8 (35)	10-3/4 (273)

VOLUTE BASE RING TAPPED FOR 3" - 125# ANSI FLANGE TO SUPPORT PUMP

** Motor may be supplied with feet

DIMENSIONS - Inches (mm)

TC SHAFT MOTORS

MOTOR FRAME	A	B	C	D	G	F	E	H	125# ANSI			250# ANSI			R	V (Min)
									J	N	P	J	N	P		
182TC	12 (305)	24 (610)	5-3/4 (146)	7-1/4 (184)	7-1/4 (184)	12-5/8 (321)	12-1/4 (311)	32-1/8 (816)	8-1/2 (216)	8	7/8 (22)	9-1/4 (235)	8	7/8 (22)	8-3/4 (222)	5 (127)
184TC	12 (305)	24 (610)	5-3/4 (146)	7-1/4 (184)	7-1/4 (184)	12-5/8 (321)	13-1/4 (337)	33-1/8 (841)	8-1/2 (216)	8	7/8 (22)	9-1/4 (235)	8	7/8 (22)	8-3/4 (222)	5 (127)
213TC	12 (305)	24 (610)	5-3/4 (146)	7-1/4 (184)	7-1/4 (184)	12-5/8 (321)	14-7/8 (378)	34-3/4 (883)	8-1/2 (216)	8	7/8 (22)	9-1/4 (235)	8	7/8 (22)	10-5/8 (270)	5 (127)
215TC	12 (305)	24 (610)	5-3/4 (146)	7-1/4 (184)	7-1/4 (184)	12-5/8 (321)	14-7/8 (378)	34-3/4 (883)	8-1/2 (216)	8	7/8 (22)	9-1/4 (235)	8	7/8 (22)	10-5/8 (270)	5 (127)

HP SHAFT MOTORS

MOTOR FRAME	A	B	C	D	G	F	E	H	125# ANSI			250# ANSI			R	V (Min)
									J	N	P	J	N	P		
143HP	12 (305)	24 (610)	5-3/4 (146)	7-1/4 (184)	7-1/4 (184)	12-5/8 (321)	11-13/16 (300)	31-11/16 (805)	8-1/2 (216)	8	7/8 (22)	9-1/4 (235)	8	7/8 (22)	7-1/16 (179)	5 (127)
145HP	12 (305)	24 (610)	5-3/4 (146)	7-1/4 (184)	7-1/4 (184)	12-5/8 (321)	12-13/16 (325)	32-11/16 (830)	8-1/2 (216)	8	7/8 (22)	9-1/4 (235)	8	7/8 (22)	7-1/16 (179)	5 (127)
182HP	12 (305)	24 (610)	5-3/4 (146)	7-1/4 (184)	7-1/4 (184)	12-5/8 (321)	13-7/8 (352)	33-3/4 (857)	8-1/2 (216)	8	7/8 (22)	9-1/4 (235)	8	7/8 (22)	8-3/4 (222)	5 (127)
184HP	12 (305)	24 (610)	5-3/4 (146)	7-1/4 (184)	7-1/4 (184)	12-5/8 (321)	14-7/8 (378)	34-3/4 (883)	8-1/2 (216)	8	7/8 (22)	9-1/4 (235)	8	7/8 (22)	8-3/4 (222)	5 (127)
213HP	12 (305)	24 (610)	5-3/4 (146)	7-1/4 (184)	7-1/4 (184)	12-5/8 (321)	17-1/4 (438)	37-1/8 (943)	8-1/2 (216)	8	7/8 (22)	9-1/4 (235)	8	7/8 (22)	10-5/8 (270)	5 (127)
215HP	12 (305)	24 (610)	5-3/4 (146)	7-1/4 (184)	7-1/4 (184)	12-5/8 (321)	18-3/4 (476)	38-5/8 (981)	8-1/2 (216)	8	7/8 (22)	9-1/4 (235)	8	7/8 (22)	10-5/8 (270)	5 (127)

IEC SHAFT MOTORS

MOTOR FRAME	A	B	C	D	G	F	E	H	125# ANSI			250# ANSI			R	V (Min)
									J	N	P	J	N	P		
90	12 (305)	24 (610)	5-3/4 (146)	7-1/4 (184)	7-1/4 (184)	12-5/8 (321)	11-5/8 (295)	31-1/2 (800)	8-1/2 (216)	8	7/8 (22)	9-1/4 (235)	8	7/8 (22)	7-1/2 (190)	5 (127)
100L	12 (305)	24 (610)	5-3/4 (146)	7-1/4 (184)	7-1/4 (184)	12-5/8 (321)	12-11/16 (322)	32-9/16 (827)	8-1/2 (216)	8	7/8 (22)	9-1/4 (235)	8	7/8 (22)	8-1/4 (210)	5 (127)
112M	12 (305)	24 (610)	5-3/4 (146)	7-1/4 (184)	7-1/4 (184)	12-5/8 (321)	13-9/16 (344)	33-7/16 (849)	8-1/2 (216)	8	7/8 (22)	9-1/4 (235)	8	7/8 (22)	9-5/16 (237)	5 (127)
132	12 (305)	24 (610)	5-3/4 (146)	7-1/4 (184)	7-1/4 (184)	12-5/8 (321)	17-1/8 (435)	37 (940)	8-1/2 (216)	8	7/8 (22)	9-1/4 (235)	8	7/8 (22)	10-13/16 (275)	5 (127)
160M	12 (305)	24 (610)	5-3/4 (146)	7-1/4 (184)	7-1/4 (184)	15-3/16 (386)	20-1/4 (514)	42-3/4 (1086)	8-1/2 (216)	8	7/8 (22)	9-1/4 (235)	8	7/8 (22)	13 (330)	5 (127)
160L	12 (305)	24 (610)	5-3/4 (146)	7-1/4 (184)	7-1/4 (184)	15-3/16 (386)	22-1/16 (560)	44-1/2 (1130)	8-1/2 (216)	8	7/8 (22)	9-1/4 (235)	8	7/8 (22)	13 (330)	5 (127)
180M	12 (305)	24 (610)	5-3/4 (146)	7-1/4 (184)	7-1/4 (184)	15-3/16 (386)	23-1/4 (591)	45-11/16 (1160)	8-1/2 (216)	8	7/8 (22)	9-1/4 (235)	8	7/8 (22)	14-15/16 (379)	5 (127)

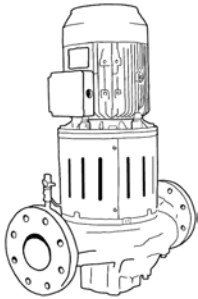
Dimensions are subject to change. Not to be used for construction purposes unless certified.

NOTE: For TEFC add 1-1/2" to dimensions E & H.

Xylem Inc.
8200 N. Austin Avenue
Morton Grove, IL 60053
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www.bellgossett.com



<p>JOB:</p> <p>UNIT TAG:</p> <p>ENGINEER:</p> <p>CONTRACTOR:</p>	<p>REPRESENTATIVE:</p> <p>ORDER NO.</p> <p>SUBMITTED BY:</p> <p>APPROVED BY:</p>	<p>DATE:</p> <p>DATE:</p> <p>DATE:</p>
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5x5x7

Series 80[®]-SC

Spacer Coupled Vertical
In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW _____ HEAD _____

HP _____ RPM _____

VOLTS _____

CYCLE _____ PHASE _____

ENCLOSURE _____

APPROX. WEIGHT _____

SPECIALS _____

MATERIALS OF CONSTRUCTION

BRONZE FITTED ALL IRON

WORKING PRESSURE

175 psi (12 bar) W.P. with 125# ANSI flange drilling

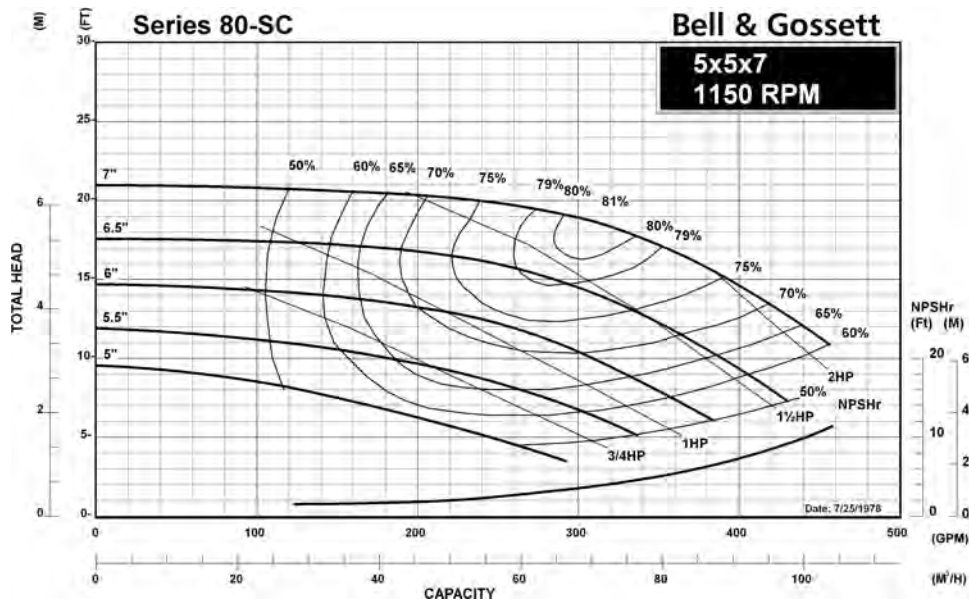
250 psi (17 bar) W.P. with 250# ANSI flange drilling

TYPE OF SEAL

STANDARD SEAL - Inside Unitized with flush line (EPR/Carbon-Ceramic)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)

OPTIONAL SEAL - Inside Unitized with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 250 psi (17 bar)

OPTIONAL SEAL - Outside Type "8B2"; with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)

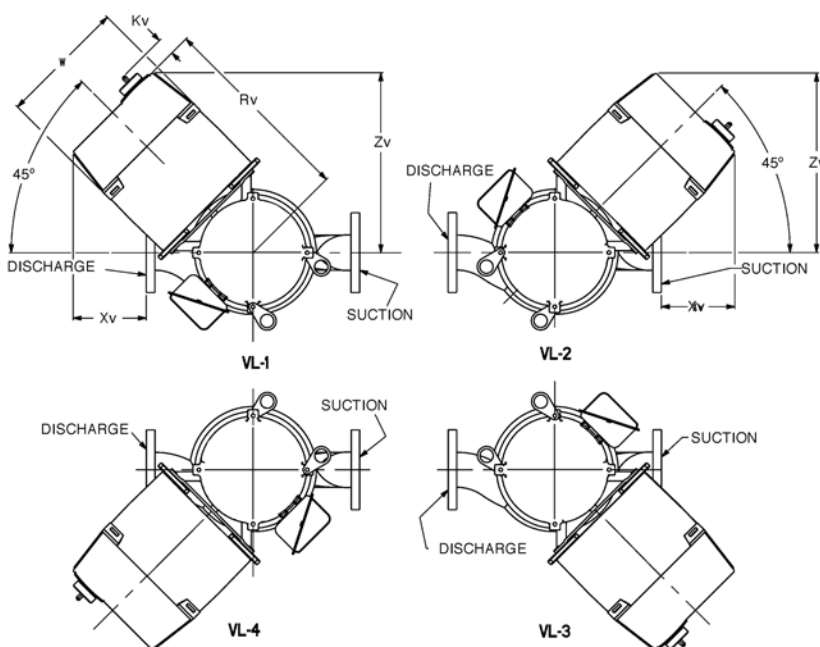
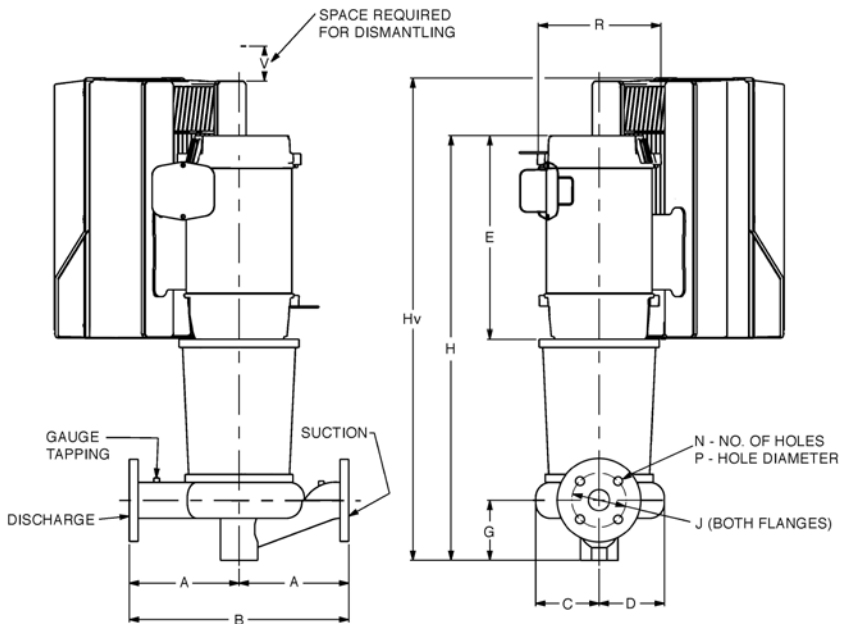




5x5x7 Series 80SC[®]

In-Line Mounted Centrifugal Pumps
With Optional Integrated Technologic[®] featuring Sensorless Control

TECHNOLOGIC STANDARD FEATURES	
CONTROL METHOD	Constant Pressure, Linear Control Curve, Quadratic Control Curve Factory configured for sensorless operation standard. Field configurable for use with a wired transducer.
ENCLOSURE	IP55 / NEMA 12 / UL type 12
POWER DISCONNECT SWITCH	Included standard. Fused Disconnect Switch optional.
EMI/RFI CONTROL	Integrated filter to meet EN62800-3.
HARMONIC SUPPRESSION	Integrated non-saturating dual DC link reactors provide better harmonic performance than a 5% AC line reactor.
COOLING	Fan-cooled through temperature controlled and easy replacement.
AMBIENT TEMPERATURE RATING	14°F to 113°F (-10°C to 45°C)
COMMUNICATION PROTOCOLS	BACnet, Modbus RTU, N2 Metasys, FLN Apogee
ANALOG INPUTS	2 configurable for either voltage (0 to 10VDC) or current(0/4 to 20mA)
ANALOG OUTPUTS	1 (0/4 to 20mA) up to 500 ohm load accurate to 1% of full scale
DIGITAL INPUTS	4 (0 to 24VDC), NPN or PNP, 0 to 24VDC, on 5 msec scan interval, Up to 2 can be configured as pulse inputs.
DIGITAL OUTPUTS	2 (0 to 24VDC), 40mA max current, configurable as pulse outputs.
RELAY OUTPUTS	2 programmable, 240VAC or 400VAC up to 2 A



Xylem Inc.
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5x5x7 Series 80-SC[®]

In-Line Mounted Centrifugal Pumps
With Optional Integrated Technologic[®] featuring Sensorless Control

DIMENSIONS – Inches (mm)

TC SHAFT MOTORS

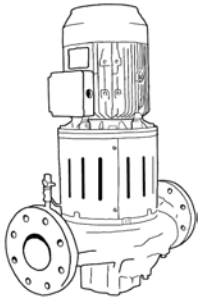
MOTOR FRAME	A	B	G	E	125# ANSI			250# ANSI			R	V (Min)	VFD	Rv	Zv	W	Hv	Xv	Kv
					J	N	P	J	N	P									
182TC	12 (305)	24 (610)	7-1/4 (184)	12-1/4 (311)	8-1/2 (216)	8	7/8 (22)	9-1/4 (235)	8	7/8 (22)	8-3/4 (222)	5 (127)	A5	12-25/32 (324)	12-1/32 (306)	9-1/2 (241)	34-29/32 (887)	1/32 (1)	1-1/2 (38.10)
184TC	12 (305)	24 (610)	7-1/4 (184)	13-1/4 (337)	8-1/2 (216)	8	7/8 (22)	9-1/4 (235)	8	7/8 (22)	8-3/4 (222)	5 (127)	A5	12-25/32 (324)	12-1/32 (306)	9-1/2 (241)	35-29/32 (912)	1/32 (1)	1-1/2 (38.10)
213TC	12 (305)	24 (610)	7-1/4 (184)	14-7/8 (378)	8-1/2 (216)	8	7/8 (22)	9-1/4 (235)	8	7/8 (22)	10-5/8 (270)	5 (127)	A5	13-17/32 (344)	12-9/16 (319)	9-1/2 (241)	34-3/4 (883)	9/16 (14)	1-1/2 (38.10)
													B1	15-53/64 (402)	14-7/32 (361)	9-1/2 (241)	36-3/16 (919)	2-7/32 (56)	1-13/16 (45.72)
215TC	12 (305)	24 (610)	7-1/4 (184)	14-7/8 (378)	8-1/2 (216)	8	7/8 (22)	9-1/4 (235)	8	7/8 (22)	10-5/8 (270)	5 (127)	A5	13-17/32 (344)	12-9/16 (319)	9-1/2 (241)	34-3/4 (883)	9/16 (14)	1-1/2 (38.10)
													B1	15-53/64 (402)	14-7/32 (361)	9-1/2 (241)	36-11/64 (919)	2-7/32 (56)	1-13/16 (45.72)

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<p>JOB:</p> <p>UNIT TAG:</p> <p>ENGINEER:</p> <p>CONTRACTOR:</p>	<p>REPRESENTATIVE:</p> <p>ORDER NO.</p> <p>SUBMITTED BY:</p> <p>APPROVED BY:</p>	<p>DATE:</p> <p>DATE:</p> <p>DATE:</p>
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5x5x9¹/₂

Series 80[®]-SC

Spacer Coupled Vertical
In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW _____ HEAD _____

HP _____ RPM _____

VOLTS _____

CYCLE _____ PHASE _____

ENCLOSURE _____

APPROX. WEIGHT _____

SPECIALS _____

MATERIALS OF CONSTRUCTION

BRONZE FITTED ALL IRON

WORKING PRESSURE

175 psi (12 bar) W.P. with 125# ANSI flange drilling

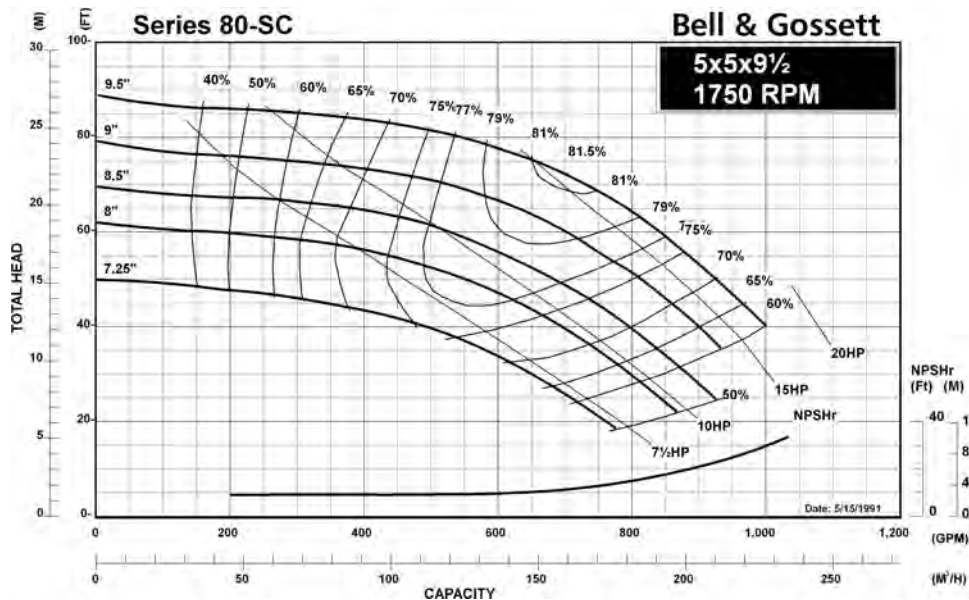
250 psi (17 bar) W.P. with 250# ANSI flange drilling

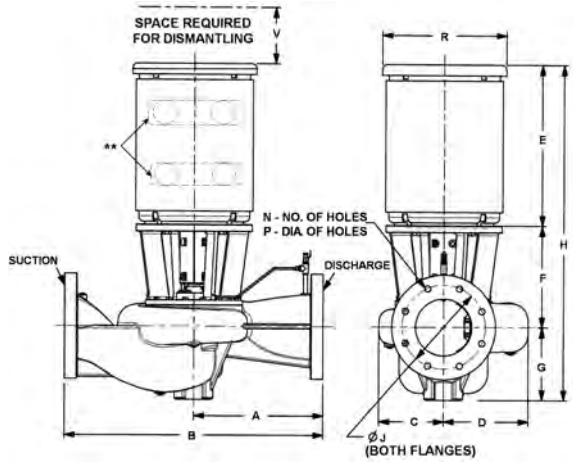
TYPE OF SEAL

STANDARD SEAL - Inside Unitized with flush line (EPR/Carbon-Ceramic)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)

OPTIONAL SEAL - Inside Unitized with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 250 psi (17 bar)

OPTIONAL SEAL - Outside Type "8B2"; with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)





FLANGE DIMENSIONS IN INCHES (MM)			
	SIZE	THICKNESS	O.D.
Discharge	5"	1-3/8 (35)	10-3/4 (273)
Suction	5"	1-3/8 (35)	10-3/4 (273)

VOLUTE BASE RING TAPPED FOR
3" - 125# ANSI FLANGE TO SUPPORT PUMP

** Motor may be supplied with feet

DIMENSIONS - Inches (mm)

TC SHAFT MOTORS

MOTOR FRAME	A	B	C	D	G	F	E	H	125# ANSI			250# ANSI			R	V (Min)
									J	N	P	J	N	P		
213TC	14-1/2 (368)	29 (737)	7-3/8 (187)	9 (229)	7 (178)	12-1/4 (311)	14-7/8 (378)	34-1/8 (867)	8-1/2 (216)	8	7/8 (22)	9-1/4 (235)	8	7/8 (22)	10-5/8 (270)	5 (127)
215TC	14-1/2 (368)	29 (737)	7-3/8 (187)	9 (229)	7 (178)	12-1/4 (311)	14-7/8 (378)	34-1/8 (867)	8-1/2 (216)	8	7/8 (22)	9-1/4 (235)	8	7/8 (22)	10-5/8 (270)	5 (127)
254TC	14-1/2 (368)	29 (737)	7-3/8 (187)	9 (229)	7 (178)	12-1/4 (311)	19-7/16 (494)	38-11/16 (983)	8-1/2 (216)	8	7/8 (22)	9-1/4 (235)	8	7/8 (22)	12-5/16 (313)	5 (127)
256TC	14-1/2 (368)	29 (737)	7-3/8 (187)	9 (229)	7 (178)	12-1/4 (311)	21-3/16 (538)	40-7/16 (1027)	8-1/2 (216)	8	7/8 (22)	9-1/4 (235)	8	7/8 (22)	12-5/16 (313)	5 (127)

HP SHAFT MOTORS

MOTOR FRAME	A	B	C	D	G	F	E	H	125# ANSI			250# ANSI			R	V (Min)
									J	N	P	J	N	P		
213HP	14-1/2 (368)	29 (737)	7-3/8 (187)	9 (229)	7 (178)	12-1/4 (311)	17-1/4 (438)	36-1/2 (927)	8-1/2 (216)	8	7/8 (22)	9-1/4 (235)	8	7/8 (22)	10-5/8 (270)	5 (127)
215HP	14-1/2 (368)	29 (737)	7-3/8 (187)	9 (229)	7 (178)	12-1/4 (311)	18-3/4 (476)	38 (965)	8-1/2 (216)	8	7/8 (22)	9-1/4 (235)	8	7/8 (22)	10-5/8 (270)	5 (127)
254HP	14-1/2 (368)	29 (737)	7-3/8 (187)	9 (229)	7 (178)	12-1/4 (311)	22-3/8 (568)	41-9/16 (1056)	8-1/2 (216)	8	7/8 (22)	9-1/4 (235)	8	7/8 (22)	12-5/16 (313)	5 (127)
256HP	14-1/2 (368)	29 (737)	7-3/8 (187)	9 (229)	7 (178)	12-1/4 (311)	24-1/16 (611)	43-5/16 (1100)	8-1/2 (216)	8	7/8 (22)	9-1/4 (235)	8	7/8 (22)	12-5/16 (313)	5 (127)

IEC SHAFT MOTORS

MOTOR FRAME	A	B	C	D	G	F	E	H	125# ANSI			250# ANSI			R	V (Min)
									J	N	P	J	N	P		
100L	14-1/2 (368)	29 (737)	7-3/8 (187)	9 (229)	7 (178)	12-1/4 (311)	12-11/16 (322)	31-15/16 (811)	8-1/2 (216)	8	7/8 (22)	9-1/4 (235)	8	7/8 (22)	8-1/4 (210)	5 (127)
112M	14-1/2 (368)	29 (737)	7-3/8 (187)	9 (229)	7 (178)	12-1/4 (311)	13-9/16 (344)	32-13/16 (833)	8-1/2 (216)	8	7/8 (22)	9-1/4 (235)	8	7/8 (22)	9-5/16 (237)	5 (127)
132	14-1/2 (368)	29 (737)	7-3/8 (187)	9 (229)	7 (178)	12-1/4 (311)	17-1/8 (435)	36-3/8 (924)	8-1/2 (216)	8	7/8 (22)	9-1/4 (235)	8	7/8 (22)	10-13/16 (275)	5 (127)

Dimensions are subject to change. Not to be used for construction purposes unless certified.

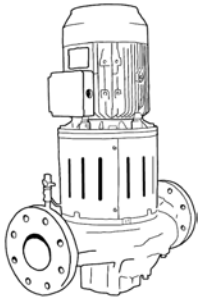
NOTE: For TEFC add 1-1/2" to dimensions E & H.

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<p>JOB:</p> <p>UNIT TAG:</p> <p>ENGINEER:</p> <p>CONTRACTOR:</p>	<p>REPRESENTATIVE:</p> <p>ORDER NO.</p> <p>SUBMITTED BY:</p> <p>APPROVED BY:</p>	<p>DATE:</p> <p>DATE:</p> <p>DATE:</p>
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5x5x9¹/₂ Series 80[®]-SC

Spacer Coupled Vertical
In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW _____ HEAD _____

HP _____ RPM _____

VOLTS _____

CYCLE _____ PHASE _____

ENCLOSURE _____

APPROX. WEIGHT _____

SPECIALS _____

MATERIALS OF CONSTRUCTION

BRONZE FITTED ALL IRON

WORKING PRESSURE

175 psi (12 bar) W.P. with 125# ANSI flange drilling

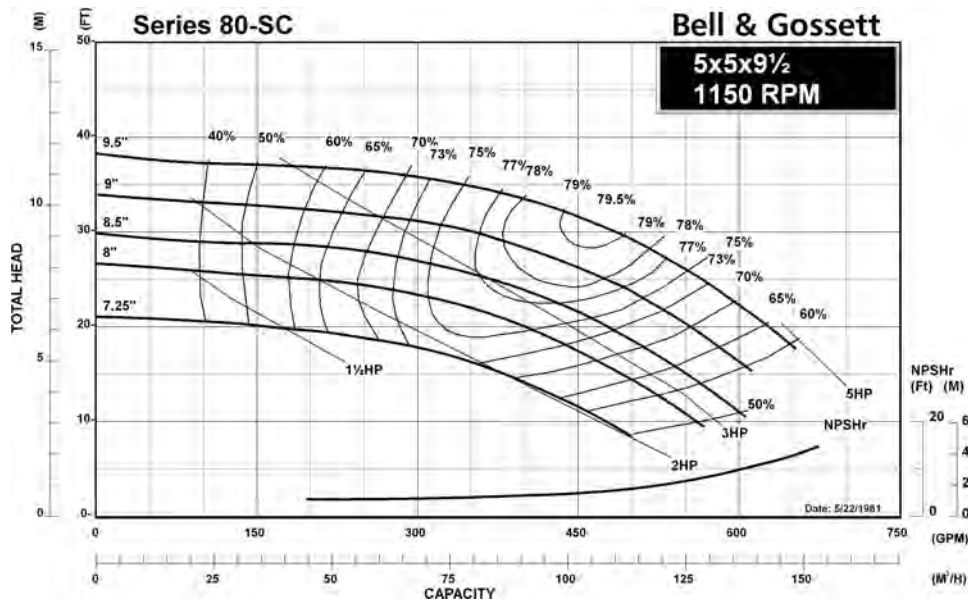
250 psi (17 bar) W.P. with 250# ANSI flange drilling

TYPE OF SEAL

STANDARD SEAL - Inside Unitized with flush line (EPR/Carbon-Ceramic)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)

OPTIONAL SEAL - Inside Unitized with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 250 psi (17 bar)

OPTIONAL SEAL - Outside Type "8B2"; with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)

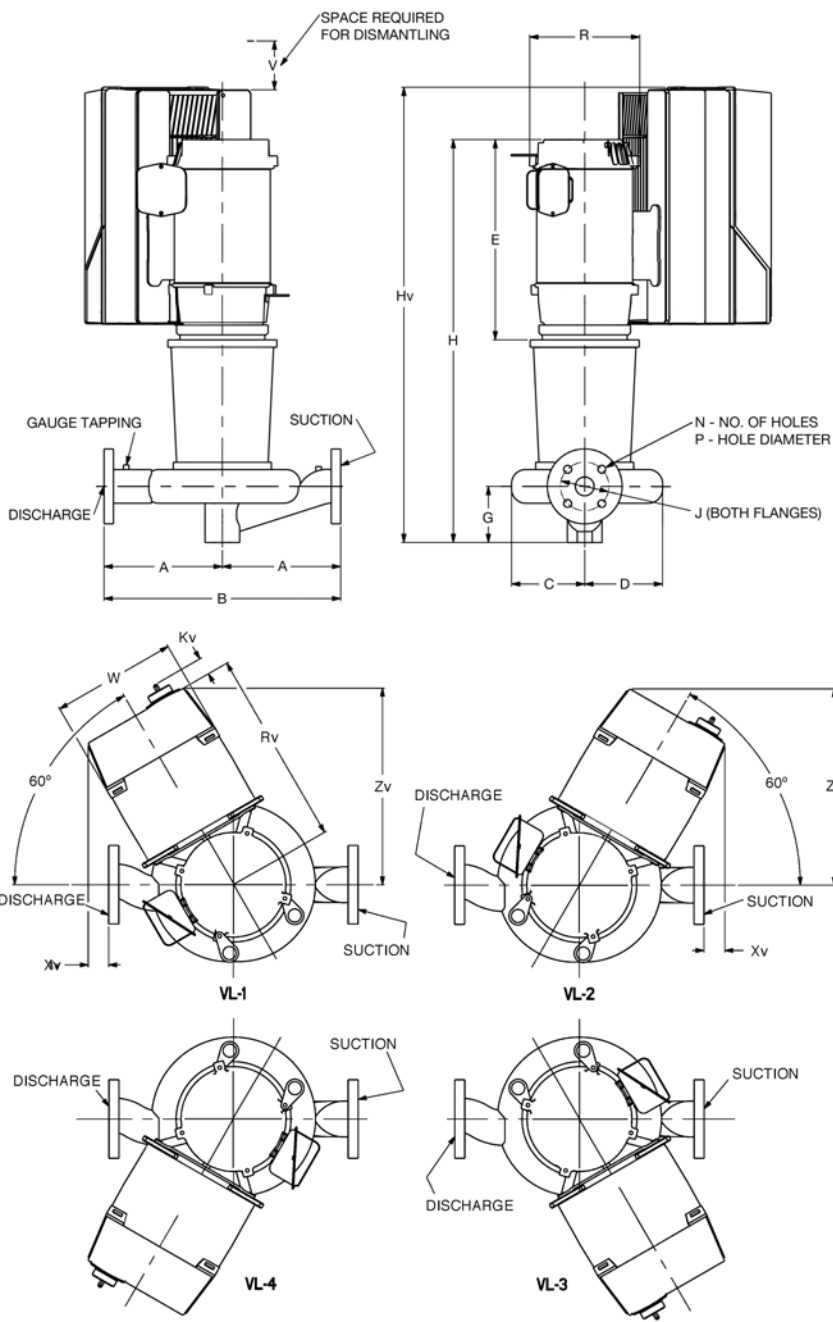




5x5x9½ Series 80SC®

In-Line Mounted Centrifugal Pumps
With Optional Integrated Technologic® featuring Sensorless Control

TECHNOLOGIC STANDARD FEATURES	
CONTROL METHOD	Constant Pressure, Linear Control Curve, Quadratic Control Curve Factory configured for sensorless operation standard. Field configurable for use with a wired transducer.
ENCLOSURE	IP55 / NEMA 12 / UL type 12
POWER DISCONNECT SWITCH	Included standard. Fused Disconnect Switch optional.
EMI/RFI CONTROL	Integrated filter to meet EN62800-3.
HARMONIC SUPPRESSION	Integrated non-saturating dual DC link reactors provide better harmonic performance than a 5% AC line reactor.
COOLING	Fan-cooled through temperature controlled and easy replacement.
AMBIENT TEMPERATURE RATING	14°F to 113°F (-10°C to 45°C)
COMMUNICATION PROTOCOLS	BACnet, Modbus RTU, N2 Metasys, FLN Apogee
ANALOG INPUTS	2 configurable for either voltage (0 to 10VDC) or current(0/4 to 20mA)
ANALOG OUTPUTS	1 (0/4 to 20mA) up to 500 ohm load accurate to 1% of full scale
DIGITAL INPUTS	4 (0 to 24VDC), NPN or PNP, 0 to 24VDC, on 5 msec scan interval, Up to 2 can be configured as pulse inputs.
DIGITAL OUTPUTS	2 (0 to 24VDC), 40mA max current, configurable as pulse outputs.
RELAY OUTPUTS	2 programmable, 240VAC or 400VAC up to 2 A



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5x5x9¹/₂ Series 80-SC[®]

In-Line Mounted Centrifugal Pumps
With Optional Integrated Technologic[®] featuring Sensorless Control

DIMENSIONS – Inches (mm)

TC SHAFT MOTORS

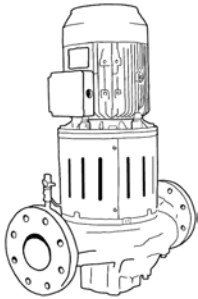
MOTOR FRAME	A	B	G	E	125# ANSI			250# ANSI			R	V (Min)	VFD	Rv	Zv	W	Hv	Xv	Kv
					J	N	P	J	N	P									
213TC	14-1/2 (368)	29 (737)	7 (178)	14-7/8 (378)	8-1/2 (216)	8	7/8 (22)	9-1/4 (235)	8	7/8 (22)	10-5/8 (270)	5 (127)	A5	13-17/32 (344)	13-53/64 (351)	9-1/2 (241)	34-1/8 (867)	4-1/16 (103)	1-1/2 (38.10)
													B1	15-53/64 (402)	15-27/32 (402)	9-1/2 (241)	35-9/16 (903)	2-7/8 (73)	1-13/16 (45.72)
215TC	14-1/2 (368)	29 (737)	7 (178)	14-7/8 (378)	8-1/2 (216)	8	7/8 (22)	9-1/4 (235)	8	7/8 (22)	10-5/8 (270)	5 (127)	A5	13-17/32 (344)	13-53/64 (351)	9-1/2 (241)	34-1/8 (867)	4-1/16 (103)	1-1/2 (38.10)
													B1	15-53/64 (402)	15-27/32 (402)	9-1/2 (241)	35-35/64 (903)	2-7/8 (73)	1-13/16 (45.72)
254TC	14-1/2 (368)	29 (737)	7 (178)	19-7/16 (494)	8-1/2 (216)	8	7/8 (22)	9-1/4 (235)	8	7/8 (22)	12-5/16 (313)	5 (127)	B1	16-53/64 (427)	16-45/64 (424)	9-1/2 (241)	40-47/64 (1035)	2-3/8 (61)	1-13/16 (45.72)
256TC	14-1/2 (368)	29 (737)	7 (178)	21-3/16 (538)	8-1/2 (216)	8	7/8 (22)	9-1/4 (235)	8	7/8 (22)	12-5/16 (313)	5 (127)	B1	16-53/64 (427)	16-45/64 (424)	9-1/2 (241)	40-3/4 (1035)	2-3/8 (61)	1-13/16 (45.72)
													B2	16-53/64 (427)	16-45/64 (424)	9-1/2 (241)	45-13/64 (1148)	2-3/8 (61)	1-11/16 (43.18)

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<p>JOB:</p> <p>UNIT TAG:</p> <p>ENGINEER:</p> <p>CONTRACTOR:</p>	<p>REPRESENTATIVE:</p> <p>ORDER NO.</p> <p>SUBMITTED BY:</p> <p>APPROVED BY:</p>	<p>DATE:</p> <p>DATE:</p> <p>DATE:</p>
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6x6x7

Series 80[®]-SC

Spacer Coupled Vertical
In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW _____ HEAD _____

HP _____ RPM _____

VOLTS _____

CYCLE _____ PHASE _____

ENCLOSURE _____

APPROX. WEIGHT _____

SPECIALS _____

MATERIALS OF CONSTRUCTION

BRONZE FITTED ALL IRON

WORKING PRESSURE

175 psi (12 bar) W.P. with 125# ANSI flange drilling

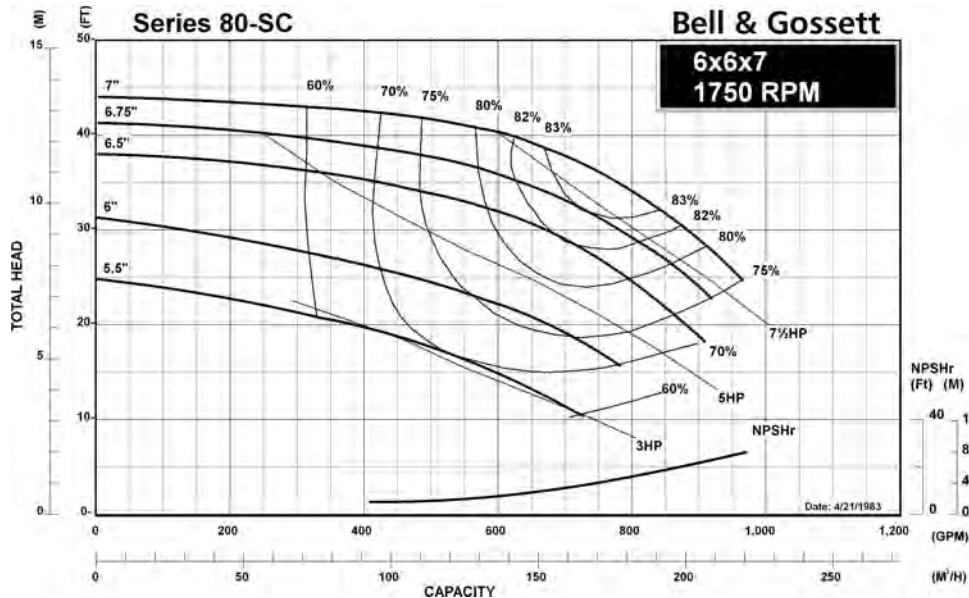
250 psi (17 bar) W.P. with 250# ANSI flange drilling

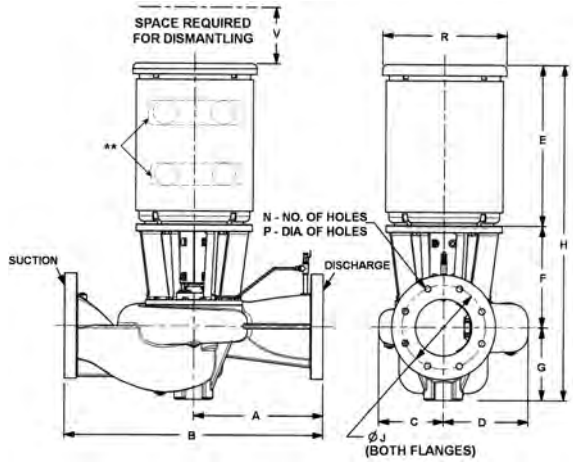
TYPE OF SEAL

STANDARD SEAL - Inside Unitized with flush line (EPR/Carbon-Ceramic)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)

OPTIONAL SEAL - Inside Unitized with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 250 psi (17 bar)

OPTIONAL SEAL - Outside Type "8B2"; with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)





FLANGE DIMENSIONS IN INCHES (MM)			
	SIZE	THICKNESS	O.D.
Discharge	6"	1-7/16 (37)	12-1/8 (308)
Suction	6"	1-7/16 (37)	12-1/8 (308)

VOLUTE BASE RING TAPPED FOR
3" - 125# ANSI FLANGE TO SUPPORT PUMP

** Motor may be supplied with feet

DIMENSIONS - Inches (mm)

TC SHAFT MOTORS

MOTOR FRAME	A	B	C	D	G	F	E	H	125# ANSI			250# ANSI			R	V (Min)
									J	N	P	J	N	P		
182TC	14 (356)	28 (711)	6-1/2 (165)	8-1/2 (216)	8-3/8 (213)	12-15/16 (329)	12-1/4 (311)	33-9/16 (852)	9-1/2 (241)	8	7/8 (22)	10-5/8 (270)	12	7/8 (22)	8-3/4 (222)	5-1/4 (133)
184TC	14 (356)	28 (711)	6-1/2 (165)	8-1/2 (216)	8-3/8 (213)	12-15/16 (329)	13-1/4 (337)	34-9/16 (878)	9-1/2 (241)	8	7/8 (22)	10-5/8 (270)	12	7/8 (22)	8-3/4 (222)	5-1/4 (133)
213TC	14 (356)	28 (711)	6-1/2 (165)	8-1/2 (216)	8-3/8 (213)	12-15/16 (329)	14-7/8 (378)	36-3/16 (919)	9-1/2 (241)	8	7/8 (22)	10-5/8 (270)	12	7/8 (22)	10-5/8 (270)	5-1/4 (133)
215TC	14 (356)	28 (711)	6-1/2 (165)	8-1/2 (216)	8-3/8 (213)	12-15/16 (329)	14-7/8 (378)	36-3/16 (919)	9-1/2 (241)	8	7/8 (22)	10-5/8 (270)	12	7/8 (22)	10-5/8 (270)	5-1/4 (133)

HP SHAFT MOTORS

MOTOR FRAME	A	B	C	D	G	F	E	H	125# ANSI			250# ANSI			R	V (Min)
									J	N	P	J	N	P		
145HP	14 (356)	28 (711)	6-1/2 (165)	8-1/2 (216)	8-3/8 (213)	12-15/16 (329)	12-13/16 (325)	34-1/8 (867)	9-1/2 (241)	8	7/8 (22)	10-5/8 (270)	12	7/8 (22)	7-1/16 (179)	5-1/4 (133)
182HP	14 (356)	28 (711)	6-1/2 (165)	8-1/2 (216)	8-3/8 (213)	12-15/16 (329)	13-7/8 (352)	35-3/16 (894)	9-1/2 (241)	8	7/8 (22)	10-5/8 (270)	12	7/8 (22)	8-3/4 (222)	5-1/4 (133)
184HP	14 (356)	28 (711)	6-1/2 (165)	8-1/2 (216)	8-3/8 (213)	12-15/16 (329)	14-7/8 (378)	36-3/16 (919)	9-1/2 (241)	8	7/8 (22)	10-5/8 (270)	12	7/8 (22)	8-3/4 (222)	5-1/4 (133)
213HP	14 (356)	28 (711)	6-1/2 (165)	8-1/2 (216)	8-3/8 (213)	12-15/16 (329)	17-1/4 (438)	38-9/16 (979)	9-1/2 (241)	8	7/8 (22)	10-5/8 (270)	12	7/8 (22)	10-5/8 (270)	5-1/4 (133)
215HP	14 (356)	28 (711)	6-1/2 (165)	8-1/2 (216)	8-3/8 (213)	12-15/16 (329)	18-3/4 (476)	40-1/16 (1018)	9-1/2 (241)	8	7/8 (22)	10-5/8 (270)	12	7/8 (22)	10-5/8 (270)	5-1/4 (133)

IEC SHAFT MOTORS

MOTOR FRAME	A	B	C	D	G	F	E	H	125# ANSI			250# ANSI			R	V (Min)
									J	N	P	J	N	P		
90	14 (356)	28 (711)	6-1/2 (165)	8-1/2 (216)	8-3/8 (213)	12-15/16 (329)	11-5/8 (295)	32-15/16 (837)	9-1/2 (241)	8	7/8 (22)	10-5/8 (270)	12	7/8 (22)	7-1/2 (190)	5-1/4 (133)
100L	14 (356)	28 (711)	6-1/2 (165)	8-1/2 (216)	8-3/8 (213)	12-15/16 (329)	12-11/16 (322)	34 (864)	9-1/2 (241)	8	7/8 (22)	10-5/8 (270)	12	7/8 (22)	8-1/4 (210)	5-1/4 (133)
112M	14 (356)	28 (711)	6-1/2 (165)	8-1/2 (216)	8-3/8 (213)	12-15/16 (329)	13-9/16 (344)	34-7/8 (886)	9-1/2 (241)	8	7/8 (22)	10-5/8 (270)	12	7/8 (22)	9-5/16 (237)	5-1/4 (133)

Dimensions are subject to change. Not to be used for construction purposes unless certified.

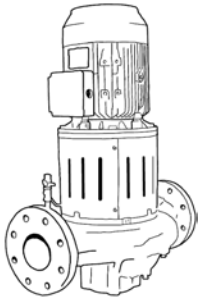
NOTE: For TEFC add 1-1/2" to dimensions E & H.

Xylem Inc.
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Phone: (847)966-3700
Fax: (847)965-8379
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JOB: UNIT TAG: ENGINEER: CONTRACTOR:	REPRESENTATIVE: ORDER NO. SUBMITTED BY: APPROVED BY:	DATE: DATE: DATE:
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6x6x7

Series 80[®]-SC

Spacer Coupled Vertical
In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW _____ HEAD _____
 HP _____ RPM _____
 VOLTS _____
 CYCLE _____ PHASE _____
 ENCLOSURE _____
 APPROX. WEIGHT _____
 SPECIALS _____

MATERIALS OF CONSTRUCTION

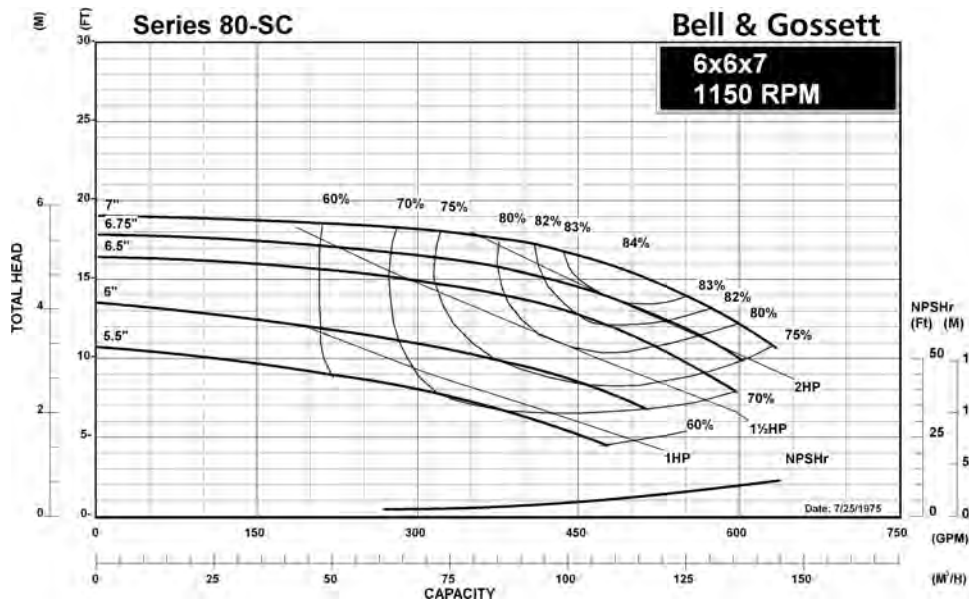
BRONZE FITTED ALL IRON

WORKING PRESSURE

175 psi (12 bar) W.P.
with 125# ANSI flange drilling
 250 psi (17 bar) W.P.
with 250# ANSI flange drilling

TYPE OF SEAL

STANDARD SEAL - Inside Unitized with flush line (EPR/Carbon-Ceramic)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)
 OPTIONAL SEAL - Inside Unitized with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 250 psi (17 bar)
 OPTIONAL SEAL - Outside Type "8B2"; with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)

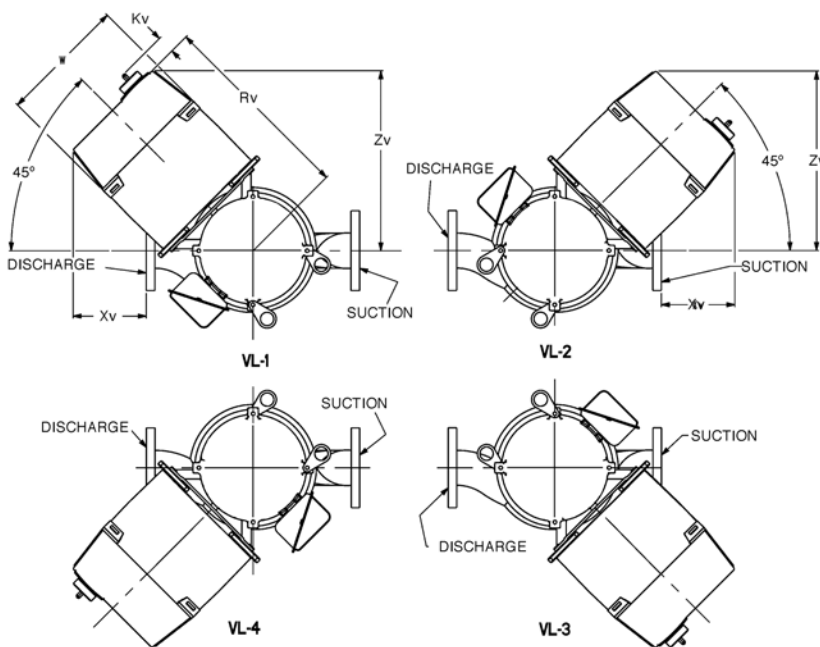
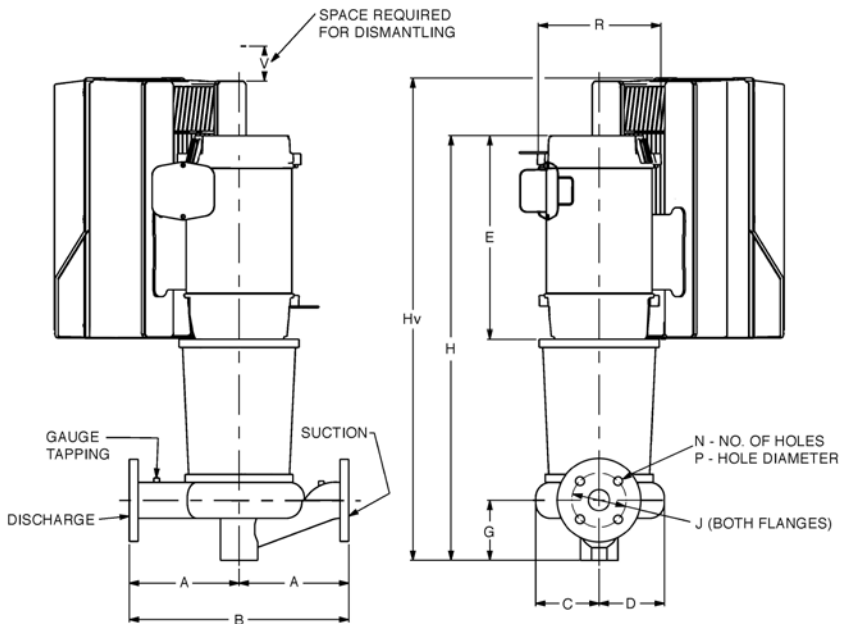




6x6x7 Series 80SC[®]

In-Line Mounted Centrifugal Pumps
With Optional Integrated Technologic[®] featuring Sensorless Control

TECHNOLOGIC STANDARD FEATURES	
CONTROL METHOD	Constant Pressure, Linear Control Curve, Quadratic Control Curve Factory configured for sensorless operation standard. Field configurable for use with a wired transducer.
ENCLOSURE	IP55 / NEMA 12 / UL type 12
POWER DISCONNECT SWITCH	Included standard. Fused Disconnect Switch optional.
EMI/RFI CONTROL	Integrated filter to meet EN62800-3.
HARMONIC SUPPRESSION	Integrated non-saturating dual DC link reactors provide better harmonic performance than a 5% AC line reactor.
COOLING	Fan-cooled through temperature controlled and easy replacement.
AMBIENT TEMPERATURE RATING	14°F to 113°F (-10°C to 45°C)
COMMUNICATION PROTOCOLS	BACnet, Modbus RTU, N2 Metasys, FLN Apogee
ANALOG INPUTS	2 configurable for either voltage (0 to 10VDC) or current(0/4 to 20mA)
ANALOG OUTPUTS	1 (0/4 to 20mA) up to 500 ohm load accurate to 1% of full scale
DIGITAL INPUTS	4 (0 to 24VDC), NPN or PNP, 0 to 24VDC, on 5 msec scan interval, Up to 2 can be configured as pulse inputs.
DIGITAL OUTPUTS	2 (0 to 24VDC), 40mA max current, configurable as pulse outputs.
RELAY OUTPUTS	2 programmable, 240VAC or 400VAC up to 2 A



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6x6x7 Series 80-SC[®]

In-Line Mounted Centrifugal Pumps
With Optional Integrated Technologic[®] featuring Sensorless Control

DIMENSIONS – Inches (mm)

TC SHAFT MOTORS

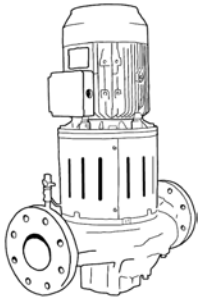
MOTOR FRAME	A	B	G	E	125# ANSI			250# ANSI			R	V (Min)	VFD	Rv	Zv	W	Hv	Xv	Kv
					J	N	P	J	N	P									
182TC	14 (356)	28 (711)	8-3/8 (213)	12-1/4 (311)	9-1/2 (241)	8	7/8 (22)	10-5/8 (270)	12	7/8 (22)	8-3/4 (222)	5-1/4 (133)	A5	12-25/32 (324)	12-1/32 (306)	9-1/2 (241)	36-11/32 (923)	1-31/32 (50)	1-1/2 (38.10)
184TC	14 (356)	28 (711)	8-3/8 (213)	13-1/4 (337)	9-1/2 (241)	8	7/8 (22)	10-5/8 (270)	12	7/8 (22)	8-3/4 (222)	5-1/4 (133)	A5	12-25/32 (324)	12-1/32 (306)	9-1/2 (241)	37-11/32 (948)	1-31/32 (50)	1-1/2 (38.10)
213TC	14 (356)	28 (711)	8-3/8 (213)	14-7/8 (378)	9-1/2 (241)	8	7/8 (22)	10-5/8 (270)	12	7/8 (22)	10-5/8 (270)	5-1/4 (133)	A5	13-17/32 (344)	12-9/16 (319)	9-1/2 (241)	36-3/16 (919)	1-7/16 (37)	1-1/2 (38.10)
													B1	15-53/64 (402)	14-7/32 (361)	9-1/2 (241)	37-5/8 (956)	7/32 (5)	1-13/16 (45.72)
215TC	14 (356)	28 (711)	8-3/8 (213)	14-7/8 (378)	9-1/2 (241)	8	7/8 (22)	10-5/8 (270)	12	7/8 (22)	10-5/8 (270)	5-1/4 (133)	A5	13-17/32 (344)	12-9/16 (319)	9-1/2 (241)	36-3/16 (919)	1-7/16 (37)	1-1/2 (38.10)
													B1	15-53/64 (402)	14-7/32 (361)	9-1/2 (241)	37-39/64 (955)	7/32 (5)	1-13/16 (45.72)

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xylem
Let's Solve Water

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<p>JOB:</p> <p>UNIT TAG:</p> <p>ENGINEER:</p> <p>CONTRACTOR:</p>	<p>REPRESENTATIVE:</p> <p>ORDER NO.</p> <p>SUBMITTED BY:</p> <p>APPROVED BY:</p>	<p>DATE:</p> <p>DATE:</p> <p>DATE:</p>
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6x6x9^{1/2} Series 80[®]-SC

Spacer Coupled Vertical
In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW _____ HEAD _____

HP _____ RPM _____

VOLTS _____

CYCLE _____ PHASE _____

ENCLOSURE _____

APPROX. WEIGHT _____

SPECIALS _____

MATERIALS OF CONSTRUCTION

BRONZE FITTED ALL IRON

WORKING PRESSURE

175 psi (12 bar) W.P. with 125# ANSI flange drilling

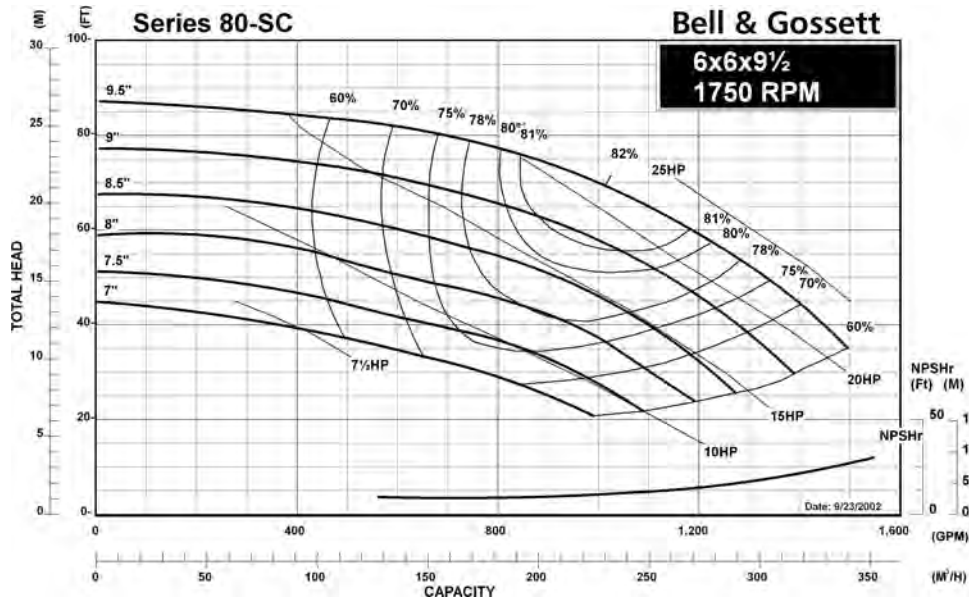
250 psi (17 bar) W.P. with 250# ANSI flange drilling

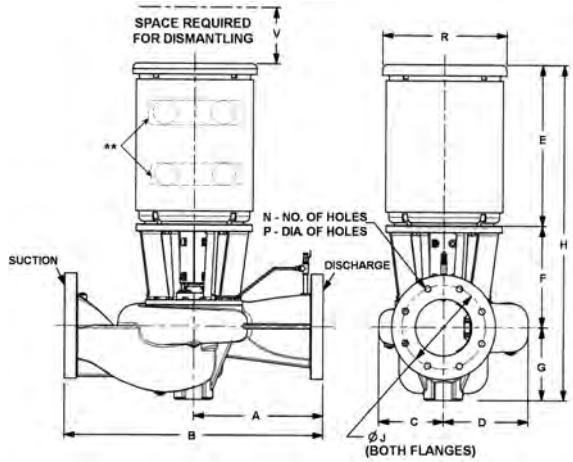
TYPE OF SEAL

STANDARD SEAL - Inside Unitized with flush line (EPR/Carbon-Ceramic)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)

OPTIONAL SEAL - Inside Unitized with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 250 psi (17 bar)

OPTIONAL SEAL - Outside Type "8B2"; with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)





FLANGE DIMENSIONS IN INCHES (MM)			
	SIZE	THICKNESS	O.D.
Discharge	6"	1-7/16 (37)	12-1/8 (308)
Suction	6"	1-7/16 (37)	12-1/8 (308)

**VOLUTE BASE RING TAPPED FOR
3" - 125# ANSI FLANGE TO SUPPORT PUMP**

** Motor may be supplied with feet

DIMENSIONS - Inches (mm)

TC SHAFT MOTORS

MOTOR FRAME	A	B	C	D	G	F	E	H	125# ANSI			250# ANSI			R	V (Min)
									J	N	P	J	N	P		
213TC	16-13/16 (427)	33-5/8 (854)	8 (203)	10-5/16 (262)	8-3/4 (222)	12-9/16 (319)	14-7/8 (378)	36-3/16 (919)	9-1/2 (241)	8	7/8 (22)	10-5/8 (270)	12	7/8 (22)	10-5/8 (270)	5-1/2 (140)
215TC	16-13/16 (427)	33-5/8 (854)	8 (203)	10-5/16 (262)	8-3/4 (222)	12-9/16 (319)	14-7/8 (378)	36-3/16 (919)	9-1/2 (241)	8	7/8 (22)	10-5/8 (270)	12	7/8 (22)	10-5/8 (270)	5-1/2 (140)
254TC	16-13/16 (427)	33-5/8 (854)	8 (203)	10-5/16 (262)	8-3/4 (222)	12-9/16 (319)	19-7/16 (494)	40-3/4 (1035)	9-1/2 (241)	8	7/8 (22)	10-5/8 (270)	12	7/8 (22)	12-5/16 (313)	5-1/2 (140)
256TC	16-13/16 (427)	33-5/8 (854)	8 (203)	10-5/16 (262)	8-3/4 (222)	12-9/16 (319)	21-3/16 (538)	42-1/2 (1080)	9-1/2 (241)	8	7/8 (22)	10-5/8 (270)	12	7/8 (22)	12-5/16 (313)	5-1/2 (140)
284TC	16-13/16 (427)	33-5/8 (854)	8 (203)	10-5/16 (262)	8-3/4 (222)	15-1/8 (384)	22-1/16 (560)	45-15/16 (1167)	9-1/2 (241)	8	7/8 (22)	10-5/8 (270)	12	7/8 (22)	14-1/8 (359)	5-1/2 (140)
286TC	16-13/16 (427)	33-5/8 (854)	8 (203)	10-5/16 (262)	8-3/4 (222)	15-1/8 (384)	23-9/16 (598)	47-7/16 (1205)	9-1/2 (241)	8	7/8 (22)	10-5/8 (270)	12	7/8 (22)	14-1/8 (359)	5-1/2 (140)

HP SHAFT MOTORS

MOTOR FRAME	A	B	C	D	G	F	E	H	125# ANSI			250# ANSI			R	V (Min)
									J	N	P	J	N	P		
213HP	16-13/16 (427)	33-5/8 (854)	8 (203)	10-5/16 (262)	8-3/4 (222)	12-9/16 (319)	17-1/4 (438)	38-9/16 (979)	9-1/2 (241)	8	7/8 (22)	10-5/8 (270)	12	7/8 (22)	10-5/8 (270)	5-1/2 (140)
215HP	16-13/16 (427)	33-5/8 (854)	8 (203)	10-5/16 (262)	8-3/4 (222)	12-9/16 (319)	18-3/4 (476)	4 1/16 (1018)	9-1/2 (241)	8	7/8 (22)	10-5/8 (270)	12	7/8 (22)	10-5/8 (270)	5-1/2 (140)
254HP	16-13/16 (427)	33-5/8 (854)	8 (203)	10-5/16 (262)	8-3/4 (222)	12-9/16 (319)	22-3/8 (568)	43-5/8 (1108)	9-1/2 (241)	8	7/8 (22)	10-5/8 (270)	12	7/8 (22)	12-5/16 (313)	5-1/2 (140)
256HP	16-13/16 (427)	33-5/8 (854)	8 (203)	10-5/16 (262)	8-3/4 (222)	12-9/16 (319)	24-1/16 (611)	45-3/8 (1153)	9-1/2 (241)	8	7/8 (22)	10-5/8 (270)	12	7/8 (22)	12-5/16 (313)	5-1/2 (140)
284HPH	16-13/16 (427)	33-5/8 (854)	8 (203)	10-5/16 (262)	8-3/4 (222)	15-1/8 (384)	25-1/8 (638)	49 (1245)	9-1/2 (241)	8	7/8 (22)	10-5/8 (270)	12	7/8 (22)	14-1/8 (359)	5-1/2 (140)
286HPH	16-13/16 (427)	33-5/8 (854)	8 (203)	10-5/16 (262)	8-3/4 (222)	15-1/8 (384)	26-5/8 (676)	51/2 (1283)	9-1/2 (241)	8	7/8 (22)	10-5/8 (270)	12	7/8 (22)	14-1/8 (359)	5-1/2 (140)

IEC SHAFT MOTORS

MOTOR FRAME	A	B	C	D	G	F	E	H	125# ANSI			250# ANSI			R	V (Min)
									J	N	P	J	N	P		
112M	16-13/16 (427)	33-5/8 (854)	8 (203)	10-5/16 (262)	8-3/4 (222)	12-9/16 (319)	13-9/16 (344)	34-7/8 (886)	9-1/2 (241)	8	7/8 (22)	10-5/8 (270)	12	7/8 (22)	9-5/16 (237)	5-1/2 (140)
132	16-13/16 (427)	33-5/8 (854)	8 (203)	10-5/16 (262)	8-3/4 (222)	12-9/16 (319)	17-1/8 (435)	38-7/16 (976)	9-1/2 (241)	8	7/8 (22)	10-5/8 (270)	12	7/8 (22)	10-13/16 (275)	5-1/2 (140)
160M	16-13/16 (427)	33-5/8 (854)	8 (203)	10-5/16 (262)	8-3/4 (222)	15-1/8 (384)	20-1/4 (514)	44-1/8 (1121)	9-1/2 (241)	8	7/8 (22)	10-5/8 (270)	12	7/8 (22)	13 (330)	5-1/2 (140)

Dimensions are subject to change. Not to be used for construction purposes unless certified.

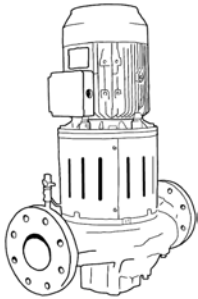
NOTE: For TEFC add 1-1/2" to dimensions E & H.

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6x6x9^{1/2} Series 80[®]-SC

Spacer Coupled Vertical
In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW _____ HEAD _____
 HP _____ RPM _____
 VOLTS _____
 CYCLE _____ PHASE _____
 ENCLOSURE _____
 APPROX. WEIGHT _____
 SPECIALS _____

MATERIALS OF CONSTRUCTION

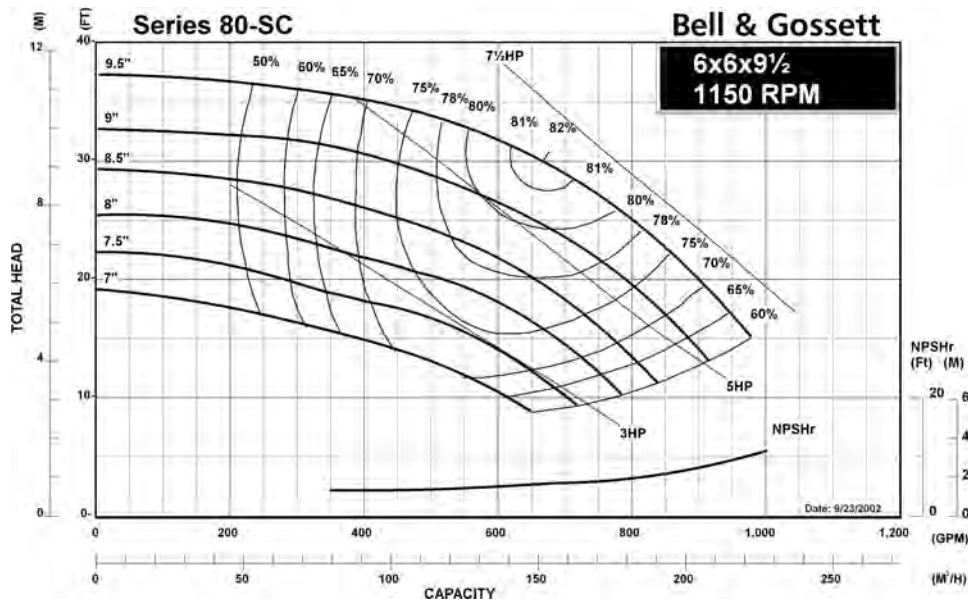
BRONZE FITTED ALL IRON

WORKING PRESSURE

175 psi (12 bar) W.P. with 125# ANSI flange drilling
 250 psi (17 bar) W.P. with 250# ANSI flange drilling

TYPE OF SEAL

STANDARD SEAL - Inside Unitized with flush line (EPR/Carbon-Ceramic)
 Temp. range -20° to +250°F. (-29° to 121°C)
 Maximum pressure is 175 psi (12 bar)
 OPTIONAL SEAL - Inside Unitized with flush line (EPR/Carbon-Tungsten Carbide)
 Temp. range -20° to +250°F. (-29° to 121°C)
 Maximum pressure is 250 psi (17 bar)
 OPTIONAL SEAL - Outside Type "8B2"; with flush line (EPR/Carbon-Tungsten Carbide)
 Temp. range -20° to +250°F. (-29° to 121°C)
 Maximum pressure is 175 psi (12 bar)

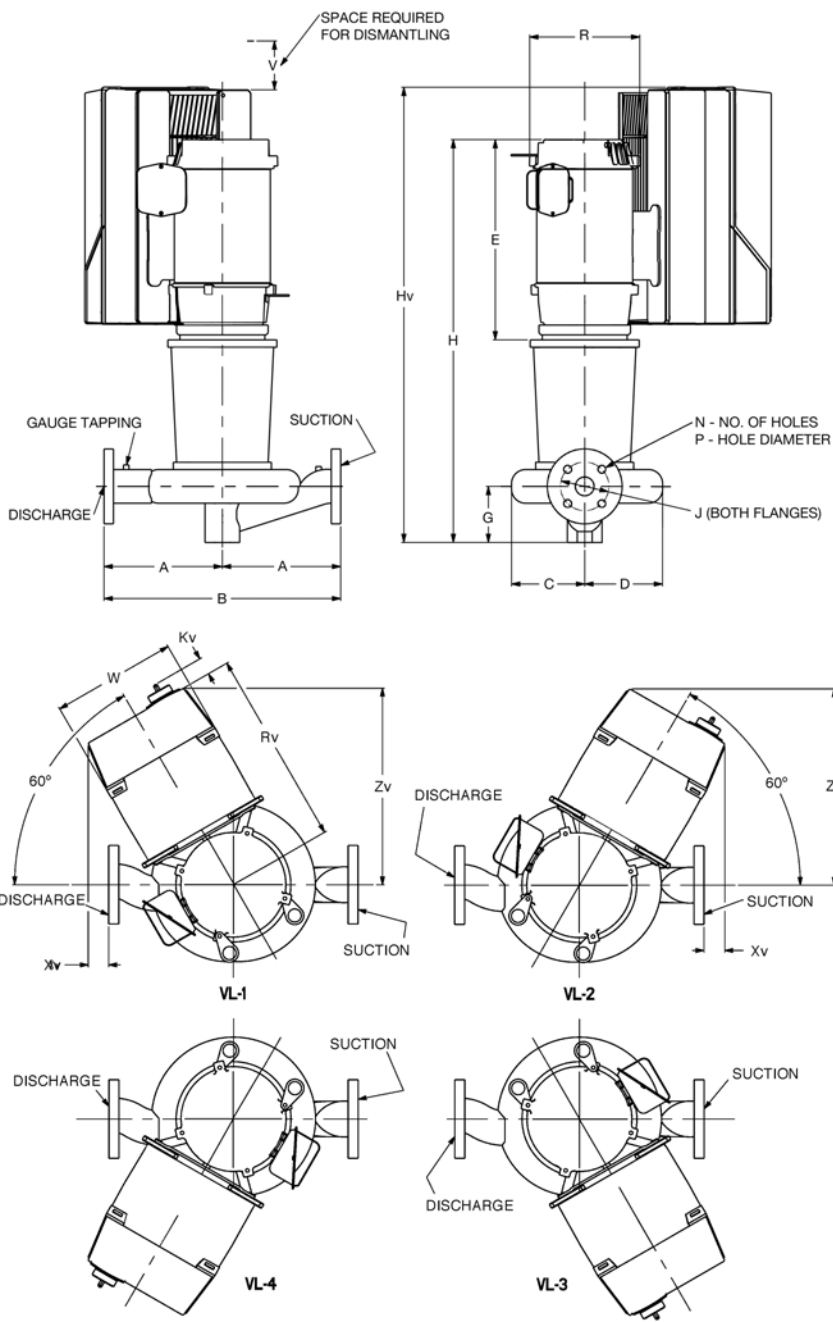




6x6x9¹/₂ Series 80SC[®]

In-Line Mounted Centrifugal Pumps
With Optional Integrated Technologic[®] featuring Sensorless Control

TECHNOLOGIC STANDARD FEATURES	
CONTROL METHOD	Constant Pressure, Linear Control Curve, Quadratic Control Curve Factory configured for sensorless operation standard. Field configurable for use with a wired transducer.
ENCLOSURE	IP55 / NEMA 12 / UL type 12
POWER DISCONNECT SWITCH	Included standard. Fused Disconnect Switch optional.
EMI/RFI CONTROL	Integrated filter to meet EN62800-3.
HARMONIC SUPPRESSION	Integrated non-saturating dual DC link reactors provide better harmonic performance than a 5% AC line reactor.
COOLING	Fan-cooled through temperature controlled and easy replacement.
AMBIENT TEMPERATURE RATING	14°F to 113°F (-10°C to 45°C)
COMMUNICATION PROTOCOLS	BACnet, Modbus RTU, N2 Metasys, FLN Apogee
ANALOG INPUTS	2 configurable for either voltage (0 to 10VDC) or current(0/4 to 20mA)
ANALOG OUTPUTS	1 (0/4 to 20mA) up to 500 ohm load accurate to 1% of full scale
DIGITAL INPUTS	4 (0 to 24VDC), NPN or PNP, 0 to 24VDC, on 5 msec scan interval, Up to 2 can be configured as pulse inputs.
DIGITAL OUTPUTS	2 (0 to 24VDC), 40mA max current, configurable as pulse outputs.
RELAY OUTPUTS	2 programmable, 240VAC or 400VAC up to 2 A



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6x6x9¹/₂ Series 80-SC[®]

In-Line Mounted Centrifugal Pumps
With Optional Integrated Technologic[®] featuring Sensorless Control

DIMENSIONS – Inches (mm)

TC SHAFT MOTORS

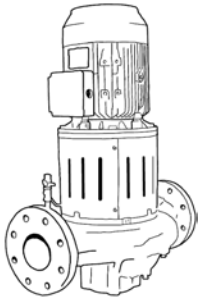
MOTOR FRAME	A	B	G	E	125# ANSI			250# ANSI			R	V (Min)	VFD	Rv	Zv	W	Hv	Xv	Kv
					J	N	P	J	N	P									
213TC	16-13/16 (427)	33-5/8 (854)	8-3/4 (222)	14-7/8 (378)	9-1/2 (241)	8	7/8 (22)	10-5/8 (270)	12	7/8 (22)	10-5/8 (270)	5-1/2 (140)	A5	13-17/32 (344)	13-53/64 (351)	9-1/2 (241)	36-3/16 (919)	6-3/8 (162)	1-1/2 (38.10)
215TC	16-13/16 (427)	33-5/8 (854)	8-3/4 (222)	14-7/8 (378)	9-1/2 (241)	8	7/8 (22)	10-5/8 (270)	12	7/8 (22)	10-5/8 (270)	5-1/2 (140)	A5	13-17/32 (344)	13-53/64 (351)	9-1/2 (241)	36-3/16 (919)	6-3/8 (162)	1-1/2 (38.10)
													B1	15-53/64 (402)	15-27/32 (402)	9-1/2 (241)	37-39/64 (955)	5-3/16 (132)	1-13/16 (45.72)
254TC	16-13/16 (427)	33-5/8 (854)	8-3/4 (222)	19-7/16 (494)	9-1/2 (241)	8	7/8 (22)	10-5/8 (270)	12	7/8 (22)	12-5/16 (313)	5-1/2 (140)	A5	14-17/32 (369)	14-45/64 (373)	9-1/2 (241)	40-3/4 (1035)	5-7/8 (149)	1-1/2 (38.10)
													B1	16-53/64 (427)	16-45/64 (424)	9-1/2 (241)	42-51/64 (1087)	4-11/16 (119)	1-13/16 (45.72)
256TC	16-13/16 (427)	33-5/8 (854)	8-3/4 (222)	21-3/16 (538)	9-1/2 (241)	8	7/8 (22)	10-5/8 (270)	12	7/8 (22)	12-5/16 (313)	5-1/2 (140)	B1	16-53/64 (427)	16-45/64 (424)	9-1/2 (241)	42-13/16 (1087)	4-11/16 (119)	1-13/16 (45.72)
													B2	16-53/64 (427)	16-45/64 (424)	9-1/2 (241)	47-17/64 (1201)	4-11/16 (119)	1-11/16 (43.18)
284TC	16-13/16 (427)	33-5/8 (854)	8-3/4 (222)	22-1/16 (560)	9-1/2 (241)	8	7/8 (22)	10-5/8 (270)	12	7/8 (22)	14-1/8 (359)	5-1/2 (140)	B1	17-37/64 (446)	17-23/64 (441)	9-1/2 (241)	45-15/16 (1167)	4-5/16 (110)	1-13/16 (45.72)
													C1	19-37/64 (497)	19-5/8 (498)	12-3/32 (307)	51-43/64 (1312)	2-13/32 (61)	1-7/8 (48.26)
286TC	16-13/16 (427)	33-5/8 (854)	8-3/4 (222)	23-9/16 (598)	9-1/2 (241)	8	7/8 (22)	10-5/8 (270)	12	7/8 (22)	14-1/8 (359)	5-1/2 (140)	B1	17-37/64 (446)	17-23/64 (441)	9-1/2 (241)	47-7/16 (1205)	4-5/16 (110)	1-13/16 (45.72)
													B2	17-37/64 (446)	17-23/64 (441)	9-1/2 (241)	50-49/64 (1289)	4-5/16 (110)	1-11/16 (43.18)
													C1	19-37/64 (497)	19-5/8 (498)	12-3/32 (307)	53-11/64 (1351)	2-13/32 (61)	1-7/8 (48.26)

Xylem Inc.
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<p>JOB:</p> <p>UNIT TAG:</p> <p>ENGINEER:</p> <p>CONTRACTOR:</p>	<p>REPRESENTATIVE:</p> <p>ORDER NO.</p> <p>SUBMITTED BY:</p> <p>APPROVED BY:</p>	<p>DATE:</p> <p>DATE:</p> <p>DATE:</p>
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6x6x11

Series 80[®]-SC

Spacer Coupled Vertical In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW _____ HEAD _____

HP _____ RPM _____

VOLTS _____

CYCLE _____ PHASE _____

ENCLOSURE _____

APPROX. WEIGHT _____

SPECIALS _____

MATERIALS OF CONSTRUCTION

BRONZE FITTED ALL IRON

WORKING PRESSURE

175 psi (12 bar) W.P. with 125# ANSI flange drilling

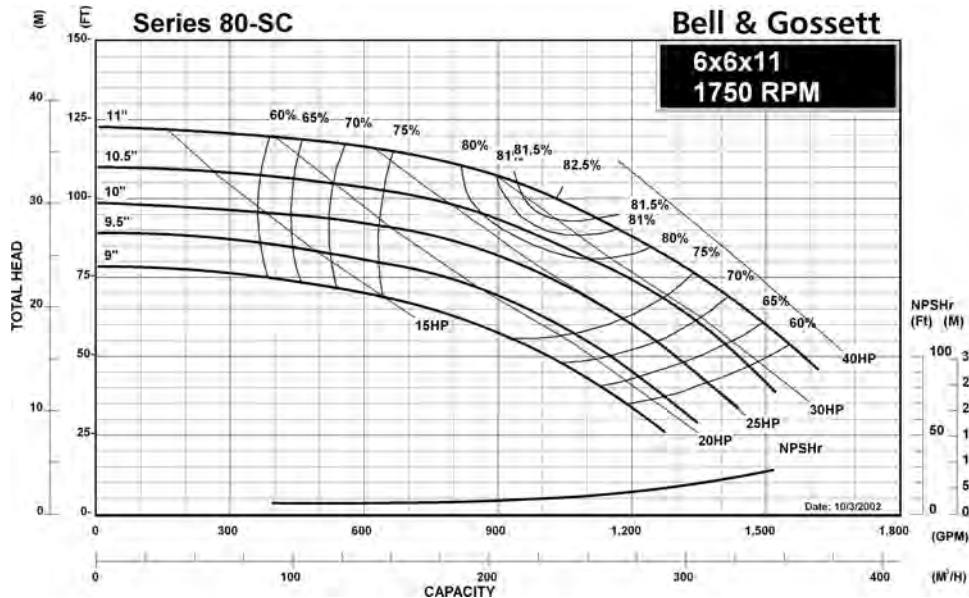
250 psi (17 bar) W.P. with 250# ANSI flange drilling

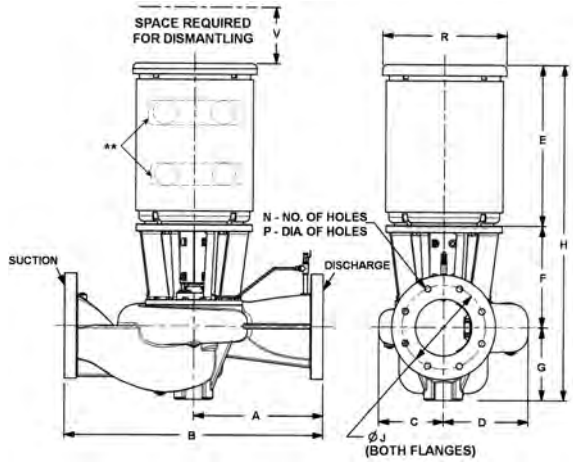
TYPE OF SEAL

STANDARD SEAL - Inside Unitized with flush line (EPR/Carbon-Ceramic)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)

OPTIONAL SEAL - Inside Unitized with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 250 psi (17 bar)

OPTIONAL SEAL - Outside Type "8B2"; with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)





FLANGE DIMENSIONS IN INCHES (MM)			
	SIZE	THICKNESS	O.D.
Discharge	6"	1-9/16 (40)	12-1/8 (308)
Suction	6"	1-9/16 (40)	12-1/8 (308)

VOLUTE BASE RING TAPPED FOR
3" - 125# ANSI FLANGE TO SUPPORT PUMP

** Motor may be supplied with feet

DIMENSIONS - Inches (mm)

TC SHAFT MOTORS

MOTOR FRAME	A	B	C	D	G	F	E	H	125# ANSI			250# ANSI			R	V (Min)
									J	N	P	J	N	P		
284TC	16-1/8 (410)	32-5/16 (821)	8-7/16 (214)	10-9/16 (268)	8-3/4 (222)	13-5/8 (346)	22-1/16 (560)	44-7/16 (1129)	9-1/2 (241)	8	7/8 (22)	10-5/8 (270)	12	7/8 (22)	14-1/8 (359)	6 (152)
286TC	16-1/8 (410)	32-5/16 (821)	8-7/16 (214)	10-9/16 (268)	8-3/4 (222)	13-5/8 (346)	23-9/16 (598)	45-15/16 (1167)	9-1/2 (241)	8	7/8 (22)	10-5/8 (270)	12	7/8 (22)	14-1/8 (359)	6 (152)
324TSC	16-1/8 (410)	32-5/16 (821)	8-7/16 (214)	10-9/16 (268)	8-3/4 (222)	13-5/8 (346)	24-5/8 (625)	47 (1194)	9-1/2 (241)	8	7/8 (22)	10-5/8 (270)	12	7/8 (22)	15-9/16 (395)	6 (152)

HP SHAFT MOTORS

MOTOR FRAME	A	B	C	D	G	F	E	H	125# ANSI			250# ANSI			R	V (Min)
									J	N	P	J	N	P		
284HPH	16-1/8 (410)	32-5/16 (821)	8-7/16 (214)	10-9/16 (268)	8-3/4 (222)	13-5/8 (346)	25-1/8 (638)	47-9/16 (1208)	9-1/2 (241)	8	7/8 (22)	10-5/8 (270)	12	7/8 (22)	14-1/8 (359)	6 (152)
286HPH	16-1/8 (410)	32-5/16 (821)	8-7/16 (214)	10-9/16 (268)	8-3/4 (222)	13-5/8 (346)	26-5/8 (676)	49 (1245)	9-1/2 (241)	8	7/8 (22)	10-5/8 (270)	12	7/8 (22)	14-1/8 (359)	6 (152)
324HP	16-1/8 (410)	32-5/16 (821)	8-7/16 (214)	10-9/16 (268)	8-3/4 (222)	13-5/8 (346)	27-11/16 (703)	50-1/16 (1272)	9-1/2 (241)	8	7/8 (22)	10-5/8 (270)	12	7/8 (22)	15-9/16 (395)	6 (152)

IEC SHAFT MOTORS

MOTOR FRAME	A	B	C	D	G	F	E	H	125# ANSI			250# ANSI			R	V (Min)
									J	N	P	J	N	P		
160M	16-1/8 (410)	32-5/16 (821)	8-7/16 (214)	10-9/16 (268)	8-3/4 (222)	13-5/8 (346)	20-1/4 (514)	42-11/16 (1084)	9-1/2 (241)	8	7/8 (22)	10-5/8 (270)	12	7/8 (22)	13 (330)	6 (152)
160L	16-1/8 (410)	32-5/16 (821)	8-7/16 (214)	10-9/16 (268)	8-3/4 (222)	13-5/8 (346)	22-1/16 (560)	44-7/16 (1129)	9-1/2 (241)	8	7/8 (22)	10-5/8 (270)	12	7/8 (22)	13 (330)	6 (152)

Dimensions are subject to change. Not to be used for construction purposes unless certified.

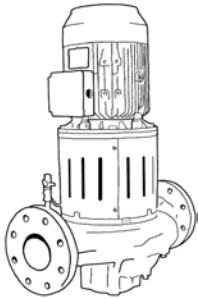
NOTE: For TEFC add 1-1/2" to dimensions E & H.

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<p>JOB:</p> <p>UNIT TAG:</p> <p>ENGINEER:</p> <p>CONTRACTOR:</p>	<p>REPRESENTATIVE:</p> <p>ORDER NO.</p> <p>SUBMITTED BY:</p> <p>APPROVED BY:</p>	<p>DATE:</p> <p>DATE:</p> <p>DATE:</p>
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6x6x11

Series 80[®]-SC

Spacer Coupled Vertical In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW _____ HEAD _____

HP _____ RPM _____

VOLTS _____

CYCLE _____ PHASE _____

ENCLOSURE _____

APPROX. WEIGHT _____

SPECIALS _____

MATERIALS OF CONSTRUCTION

BRONZE FITTED ALL IRON

WORKING PRESSURE

175 psi (12 bar) W.P. with 125# ANSI flange drilling

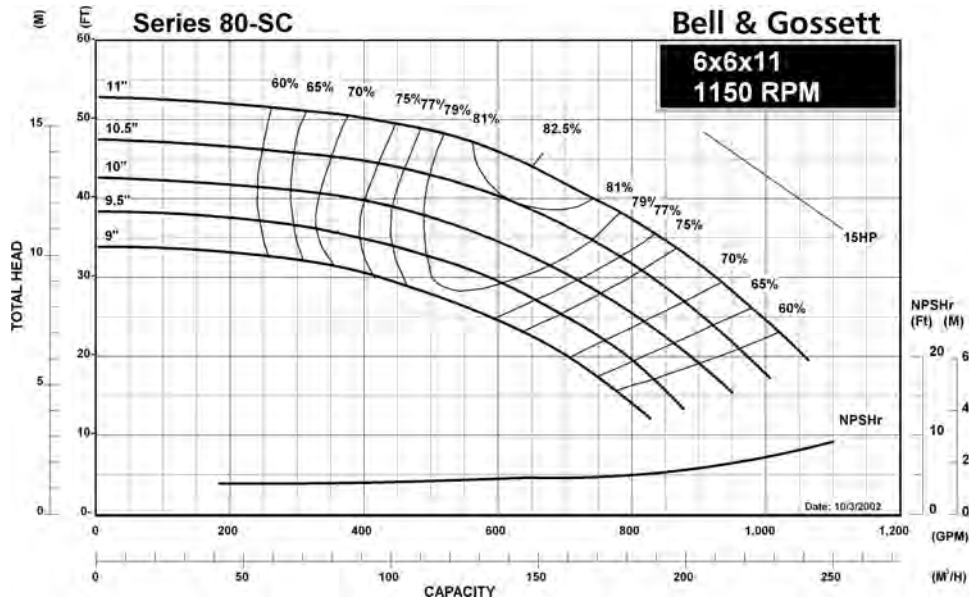
250 psi (17 bar) W.P. with 250# ANSI flange drilling

TYPE OF SEAL

STANDARD SEAL - Inside Unitized with flush line (EPR/Carbon-Ceramic)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)

OPTIONAL SEAL - Inside Unitized with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 250 psi (17 bar)

OPTIONAL SEAL - Outside Type "8B2"; with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)

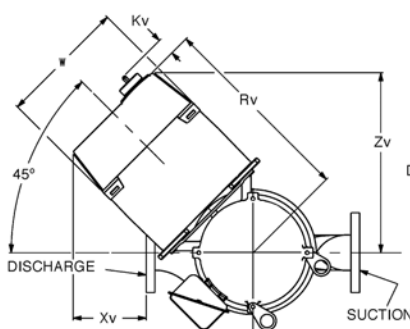
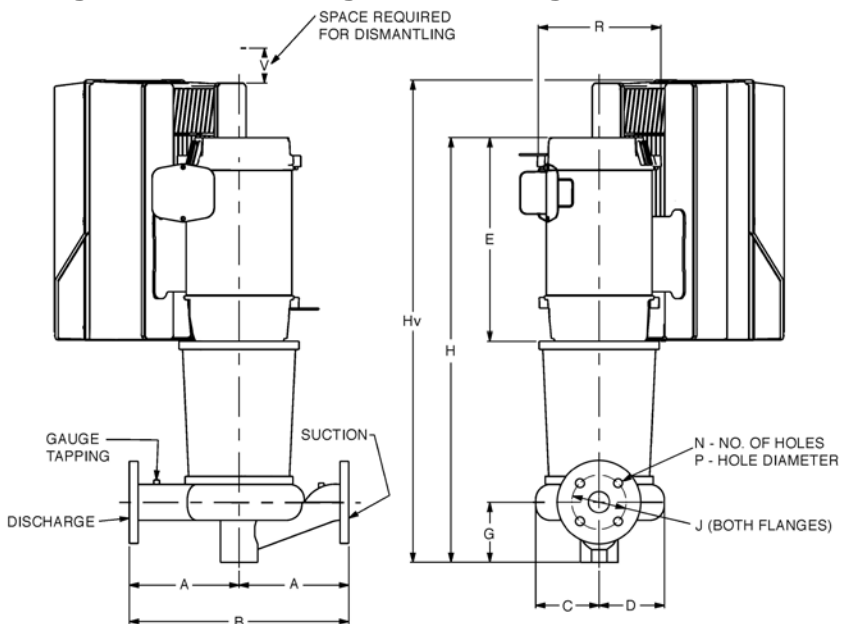




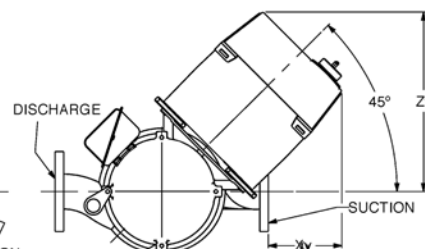
6x6x11 Series 80SC[®]

In-Line Mounted Centrifugal Pumps
With Optional Integrated Technologic[®] featuring Sensorless Control

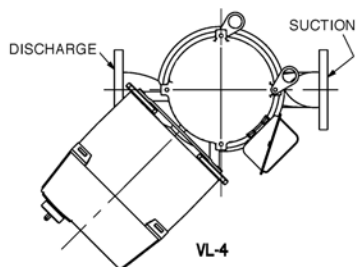
TECHNOLOGIC STANDARD FEATURES	
CONTROL METHOD	Constant Pressure, Linear Control Curve, Quadratic Control Curve Factory configured for sensorless operation standard. Field configurable for use with a wired transducer.
ENCLOSURE	IP55 / NEMA 12 / UL type 12
POWER DISCONNECT SWITCH	Included standard. Fused Disconnect Switch optional.
EMI/RFI CONTROL	Integrated filter to meet EN62800-3.
HARMONIC SUPPRESSION	Integrated non-saturating dual DC link reactors provide better harmonic performance than a 5% AC line reactor.
COOLING	Fan-cooled through temperature controlled and easy replacement.
AMBIENT TEMPERATURE RATING	14°F to 113°F (-10°C to 45°C)
COMMUNICATION PROTOCOLS	BACnet, Modbus RTU, N2 Metasys, FLN Apogee
ANALOG INPUTS	2 configurable for either voltage (0 to 10VDC) or current(0/4 to 20mA)
ANALOG OUTPUTS	1 (0/4 to 20mA) up to 500 ohm load accurate to 1% of full scale
DIGITAL INPUTS	4 (0 to 24VDC), NPN or PNP, 0 to 24VDC, on 5 msec scan interval, Up to 2 can be configured as pulse inputs.
DIGITAL OUTPUTS	2 (0 to 24VDC), 40mA max current, configurable as pulse outputs.
RELAY OUTPUTS	2 programmable, 240VAC or 400VAC up to 2 A



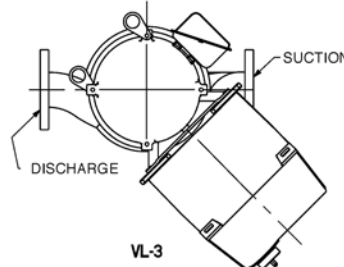
VL-1



VL-2



VL-4



VL-3

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6x6x11 Series 80-SC[®]

In-Line Mounted Centrifugal Pumps
With Optional Integrated Technologic[®] featuring Sensorless Control

DIMENSIONS – Inches (mm)

TC SHAFT MOTORS

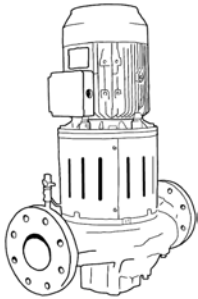
MOTOR FRAME	A	B	G	E	125# ANSI			250# ANSI			R	V (Min)	VFD	Rv	Zv	W	Hv	Xv	Kv
					J	N	P	J	N	P									
284TC	16-1/8 (410)	32-5/16 (821)	8-3/4 (222)	22-1/16 (560)	9-1/2 (241)	8	7/8 (22)	10-5/8 (270)	12	7/8 (22)	14-1/8 (359)	6 (152)	B1	17-37/64 (446)	15-29/64 (392)	9-1/2 (241)	44-7/16 (1129)	43/64 (17)	1-13/16 (45.72)
													C1	19-37/64 (497)	17-5/8 (448)	12-3/32 (307)	50-11/64 (1274)	1-1/2 (38)	1-7/8 (48.26)
286TC	16-1/8 (410)	32-5/16 (821)	8-3/4 (222)	23-9/16 (598)	9-1/2 (241)	8	7/8 (22)	10-5/8 (270)	12	7/8 (22)	14-1/8 (359)	6 (152)	B2	17-37/64 (446)	15-29/64 (392)	9-1/2 (241)	49-17/64 (1251)	43/64 (17)	1-11/16 (43.18)
													C1	19-37/64 (497)	17-5/8 (448)	12-3/32 (307)	51-43/64 (1312)	1-1/2 (38)	1-7/8 (48.26)
324TSC	16-1/8 (410)	32-5/16 (821)	8-3/4 (222)	24-5/8 (625)	9-1/2 (241)	8	7/8 (22)	10-5/8 (270)	12	7/8 (22)	15-9/16 (395)	6 (152)	B2	18-37/64 (472)	16-5/32 (410)	9-1/2 (241)	52-11/64 (1325)	1/32 (1)	1-11/16 (43.18)
													C1	20-37/64 (523)	18-21/64 (465)	12-3/32 (307)	52-33/64 (1334)	2-13/64 (56)	1-7/8 (48.26)

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<p>JOB:</p> <p>UNIT TAG:</p> <p>ENGINEER:</p> <p>CONTRACTOR:</p>	<p>REPRESENTATIVE:</p> <p>ORDER NO.</p> <p>SUBMITTED BY:</p> <p>APPROVED BY:</p>	<p>DATE:</p> <p>DATE:</p> <p>DATE:</p>
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8x8x9^{1/2} Series 80[®]-SC

Spacer Coupled Vertical
In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW _____ HEAD _____

HP _____ RPM _____

VOLTS _____

CYCLE _____ PHASE _____

ENCLOSURE _____

APPROX. WEIGHT _____

SPECIALS _____

MATERIALS OF CONSTRUCTION

BRONZE FITTED ALL IRON

WORKING PRESSURE

175 psi (12 bar) W.P. with 125# ANSI flange drilling

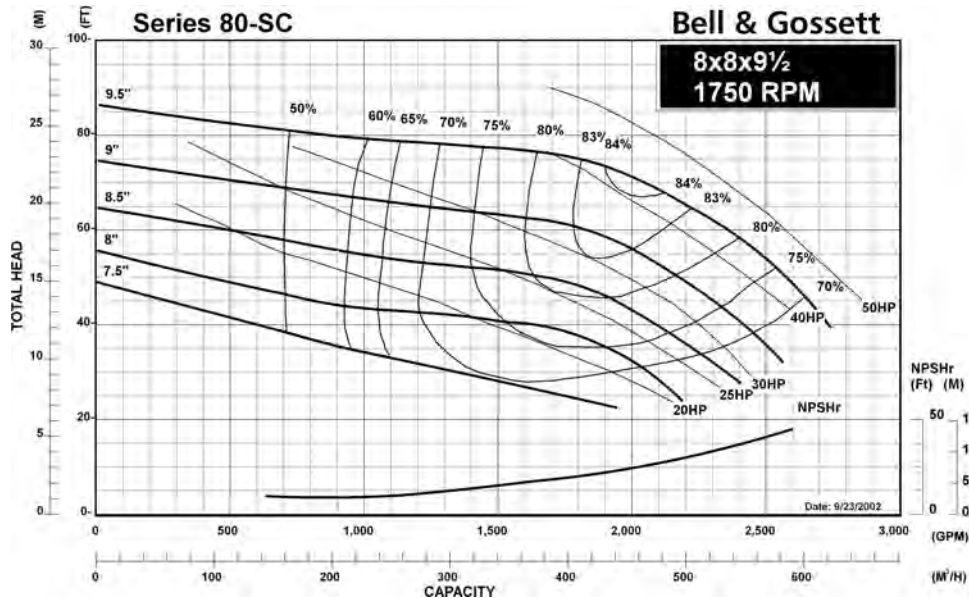
250 psi (17 bar) W.P. with 250# ANSI flange drilling

TYPE OF SEAL

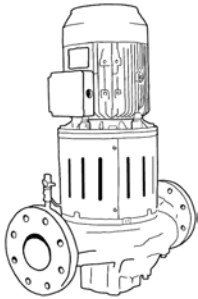
STANDARD SEAL - Inside Unitized with flush line (EPR/Carbon-Ceramic)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)

OPTIONAL SEAL - Inside Unitized with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 250 psi (17 bar)

OPTIONAL SEAL - Outside Type "8B2"; with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)



<p>JOB:</p> <p>UNIT TAG:</p> <p>ENGINEER:</p> <p>CONTRACTOR:</p>	<p>REPRESENTATIVE:</p> <p>ORDER NO.</p> <p>SUBMITTED BY:</p> <p>APPROVED BY:</p>	<p>DATE:</p> <p>DATE:</p> <p>DATE:</p>
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8x8x9¹/₂

Series 80[®]-SC

Spacer Coupled Vertical
In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW _____ HEAD _____

HP _____ RPM _____

VOLTS _____

CYCLE _____ PHASE _____

ENCLOSURE _____

APPROX. WEIGHT _____

SPECIALS _____

MATERIALS OF CONSTRUCTION

BRONZE FITTED ALL IRON

WORKING PRESSURE

175 psi (12 bar) W.P. with 125# ANSI flange drilling

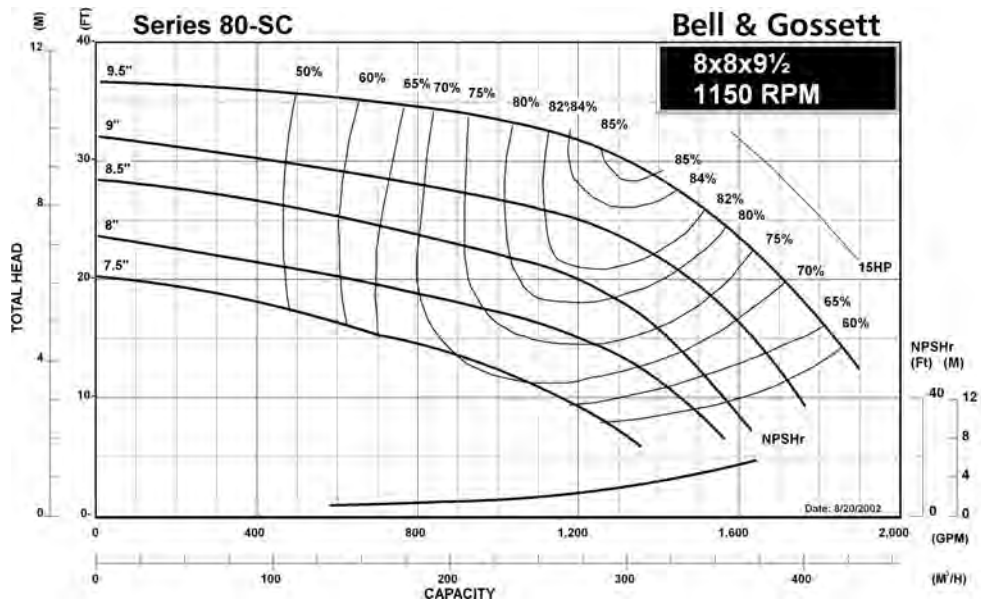
250 psi (17 bar) W.P. with 250# ANSI flange drilling

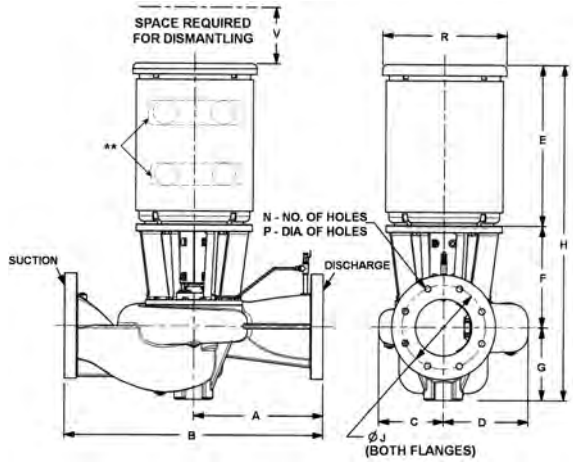
TYPE OF SEAL

STANDARD SEAL - Inside Unitized with flush line (EPR/Carbon-Ceramic)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)

OPTIONAL SEAL - Inside Unitized with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 250 psi (17 bar)

OPTIONAL SEAL - Outside Type "8B2"; with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)





FLANGE DIMENSIONS IN INCHES (MM)			
	SIZE	THICKNESS	O.D.
Discharge	8"	1-5/8 (41)	14-3/4 (375)
Suction	8"	1-5/8 (41)	14-3/4 (375)

VOLUTE BASE RING TAPPED FOR
3" - 125# ANSI FLANGE TO SUPPORT PUMP

** Motor may be supplied with feet

DIMENSIONS - Inches (mm)

TC SHAFT MOTORS

MOTOR FRAME	A	B	C	D	G	F	E	H	125# ANSI			250# ANSI			R	V (Min)
									J	N	P	J	N	P		
284TC	18 (457)	35-15/16 (913)	8-5/8 (219)	11-5/8 (295)	10-1/4 (260)	16-1/16 (408)	22-1/16 (560)	48-3/8 (1229)	11-3/4 (298)	8	7/8 (22)	13 (330)	12	1 (25)	14-1/8 (359)	6-1/4 (159)
286TC	18 (457)	35-15/16 (913)	8-5/8 (219)	11-5/8 (295)	10-1/4 (260)	16-1/16 (408)	23-9/16 (598)	49-7/8 (1267)	11-3/4 (298)	8	7/8 (22)	13 (330)	12	1 (25)	14-1/8 (359)	6-1/4 (159)
324TSC	18 (457)	35-15/16 (913)	8-5/8 (219)	11-5/8 (295)	10-1/4 (260)	16-1/16 (408)	24-5/8 (625)	50-15/16 (1294)	11-3/4 (298)	8	7/8 (22)	13 (330)	12	1 (25)	15-9/16 (395)	6-1/4 (159)
326TSC	18 (457)	35-15/16 (913)	8-5/8 (219)	11-5/8 (295)	10-1/4 (260)	16-1/16 (408)	26-1/8 (664)	52-7/16 (1332)	11-3/4 (298)	8	7/8 (22)	13 (330)	12	1 (25)	15-9/16 (395)	6-1/4 (159)

HP SHAFT MOTORS

MOTOR FRAME	A	B	C	D	G	F	E	H	125# ANSI			250# ANSI			R	V (Min)
									J	N	P	J	N	P		
284HPH	18 (457)	35-15/16 (913)	8-5/8 (219)	11-5/8 (295)	10-1/4 (260)	16-1/16 (408)	25-1/8 (638)	51-7/16 (1307)	11-3/4 (298)	8	7/8 (22)	13 (330)	12	1 (25)	14-1/8 (359)	6-1/4 (159)
286HPH	18 (457)	35-15/16 (913)	8-5/8 (219)	11-5/8 (295)	10-1/4 (260)	16-1/16 (408)	26-5/8 (676)	52-15/16 (1345)	11-3/4 (298)	8	7/8 (22)	13 (330)	12	1 (25)	14-1/8 (359)	6-1/4 (159)
324HP	18 (457)	35-15/16 (913)	8-5/8 (219)	11-5/8 (295)	10-1/4 (260)	16-1/16 (408)	27-11/16 (703)	54 (1372)	11-3/4 (298)	8	7/8 (22)	13 (330)	12	1 (25)	15-9/16 (395)	6-1/4 (159)
326HP	18 (457)	35-15/16 (913)	8-5/8 (219)	11-5/8 (295)	10-1/4 (260)	16-1/16 (408)	29-3/16 (741)	55-1/2 (1410)	11-3/4 (298)	8	7/8 (22)	13 (330)	12	1 (25)	15-9/16 (395)	6-1/4 (159)

IEC SHAFT MOTORS

MOTOR FRAME	A	B	C	D	G	F	E	H	125# ANSI			250# ANSI			R	V (Min)
									J	N	P	J	N	P		
160M	18 (457)	35-15/16 (913)	8-5/8 (219)	11-5/8 (295)	10-1/4 (260)	16-1/16 (408)	20-1/4 (514)	46-9/16 (1183)	11-3/4 (298)	8	7/8 (22)	13 (330)	12	1 (25)	13 (330)	6-1/4 (159)
160L	18 (457)	35-15/16 (913)	8-5/8 (219)	11-5/8 (295)	10-1/4 (260)	16-1/16 (408)	22-1/16 (560)	48-3/8 (1229)	11-3/4 (298)	8	7/8 (22)	13 (330)	12	1 (25)	13 (330)	6-1/4 (159)
180M	18 (457)	35-15/16 (913)	8-5/8 (219)	11-5/8 (295)	10-1/4 (260)	16-1/16 (408)	23-1/4 (591)	49-9/16 (1259)	11-3/4 (298)	8	7/8 (22)	13 (330)	12	1 (25)	14-15/16 (379)	6-1/4 (159)
180L	18 (457)	35-15/16 (913)	8-5/8 (219)	11-5/8 (295)	10-1/4 (260)	16-1/16 (408)	24-13/16 (630)	51-1/8 (1299)	11-3/4 (298)	8	7/8 (22)	13 (330)	12	1 (25)	14-15/16 (379)	6-1/4 (159)

Dimensions are subject to change. Not to be used for construction purposes unless certified.

NOTE: For TEFC add 1-1/2" to dimensions E & H.

Xylem Inc.
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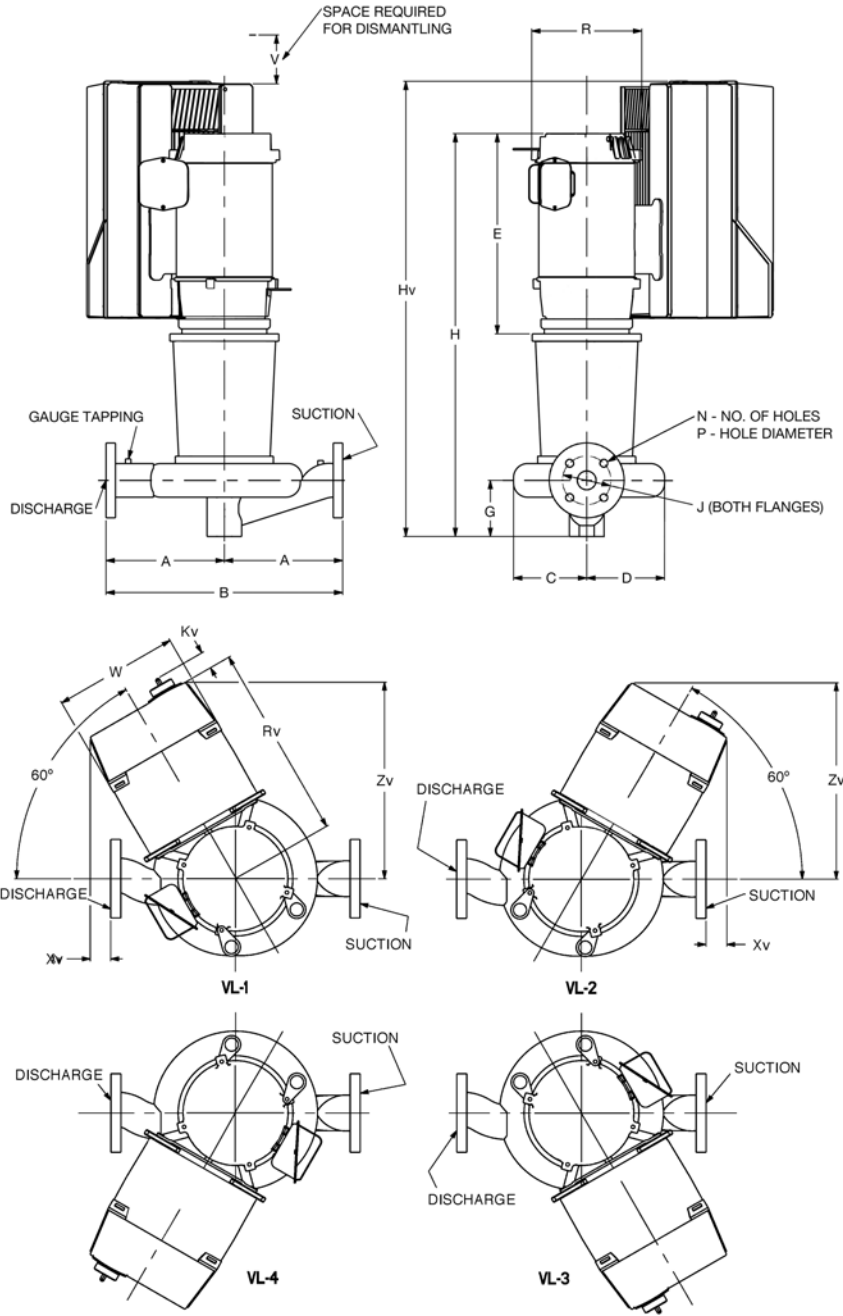
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8x8x9¹/₂ Series 80SC[®]

In-Line Mounted Centrifugal Pumps
With Optional Integrated Technologic[®] featuring Sensorless Control

TECHNOLOGIC STANDARD FEATURES	
CONTROL METHOD	Constant Pressure, Linear Control Curve, Quadratic Control Curve Factory configured for sensorless operation standard. Field configurable for use with a wired transducer.
ENCLOSURE	IP55 / NEMA 12 / UL type 12
POWER DISCONNECT SWITCH	Included standard. Fused Disconnect Switch optional.
EMI/RFI CONTROL	Integrated filter to meet EN62800-3.
HARMONIC SUPPRESSION	Integrated non-saturating dual DC link reactors provide better harmonic performance than a 5% AC line reactor.
COOLING	Fan-cooled through temperature controlled and easy replacement.
AMBIENT TEMPERATURE RATING	14°F to 113°F (-10°C to 45°C)
COMMUNICATION PROTOCOLS	BACnet, Modbus RTU, N2 Metasys, FLN Apogee
ANALOG INPUTS	2 configurable for either voltage (0 to 10VDC) or current(0/4 to 20mA)
ANALOG OUTPUTS	1 (0/4 to 20mA) up to 500 ohm load accurate to 1% of full scale
DIGITAL INPUTS	4 (0 to 24VDC), NPN or PNP, 0 to 24VDC, on 5 msec scan interval, Up to 2 can be configured as pulse inputs.
DIGITAL OUTPUTS	2 (0 to 24VDC), 40mA max current, configurable as pulse outputs.
RELAY OUTPUTS	2 programmable, 240VAC or 400VAC up to 2 A



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8x8x9¹/₂ Series 80-SC[®]

In-Line Mounted Centrifugal Pumps
With Optional Integrated Technologic[®] featuring Sensorless Control

DIMENSIONS – Inches (mm)

TC SHAFT MOTORS

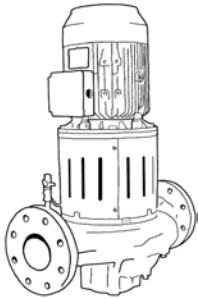
MOTOR FRAME	A	B	G	E	125# ANSI			250# ANSI			R	V (Min)	VFD	Rv	Zv	W	Hv	Xv	Kv
					J	N	P	J	N	P									
284TC	18 (457)	35-15/16 (913)	10-1/4 (260)	22-1/16 (560)	11-3/4 (298)	8	7/8 (22)	13 (330)	12	1 (25)	14-1/8 (359)	6-1/4 (159)	B1	17-37/64 (446)	17-23/64 (441)	9-1/2 (241)	48-3/8 (1229)	5-1/2 (140)	1-13/16 (45.72)
													C1	19-37/64 (497)	19-5/8 (498)	12-3/32 (307)	54-7/64 (1374)	3-19/32 (91)	1-7/8 (48.26)
286TC	18 (457)	35-15/16 (913)	10-1/4 (260)	23-9/16 (598)	11-3/4 (298)	8	7/8 (22)	13 (330)	12	1 (25)	14-1/8 (359)	6-1/4 (159)	B2	17-37/64 (446)	17-23/64 (441)	9-1/2 (241)	53-13/64 (1351)	5-1/2 (140)	1-11/16 (43.18)
													C1	19-37/64 (497)	19-5/8 (498)	12-3/32 (307)	55-39/64 (1412)	3-19/32 (91)	1-7/8 (48.26)
324TSC	18 (457)	35-15/16 (913)	10-1/4 (260)	24-5/8 (625)	11-3/4 (298)	8	7/8 (22)	13 (330)	12	1 (25)	15-9/16 (395)	6-1/4 (159)	B2	18-37/64 (472)	18-7/32 (463)	9-1/2 (241)	56-7/64 (1425)	5 (127)	1-11/16 (43.18)
													C1	20-37/64 (523)	20-31/64 (520)	12-3/32 (307)	56-29/64 (1434)	3-3/32 (78)	1-7/8 (48.26)
326TSC	18 (457)	35-15/16 (913)	10-1/4 (260)	26-1/8 (664)	11-3/4 (298)	8	7/8 (22)	13 (330)	12	1 (25)	15-9/16 (395)	6-1/4 (159)	C1	20-37/64 (523)	20-31/64 (520)	12-3/32 (307)	57-61/64 (1472)	3-3/32 (78)	1-7/8 (48.26)
													C2	21-37/64 (548)	21-61/64 (557)	14-19/32 (371)	62-33/64 (1588)	1-9/16 (40)	2-5/16 (58.42)

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<p>JOB:</p> <p>UNIT TAG:</p> <p>ENGINEER:</p> <p>CONTRACTOR:</p>	<p>REPRESENTATIVE:</p> <p>ORDER NO.</p> <p>SUBMITTED BY:</p> <p>APPROVED BY:</p>	<p>DATE:</p> <p>DATE:</p> <p>DATE:</p>
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8x8x11

Series 80[®]-SC

Spacer Coupled Vertical
In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW _____ HEAD _____

HP _____ RPM _____

VOLTS _____

CYCLE _____ PHASE _____

ENCLOSURE _____

APPROX. WEIGHT _____

SPECIALS _____

MATERIALS OF CONSTRUCTION

BRONZE FITTED ALL IRON

WORKING PRESSURE

175 psi (12 bar) W.P. with 125# ANSI flange drilling

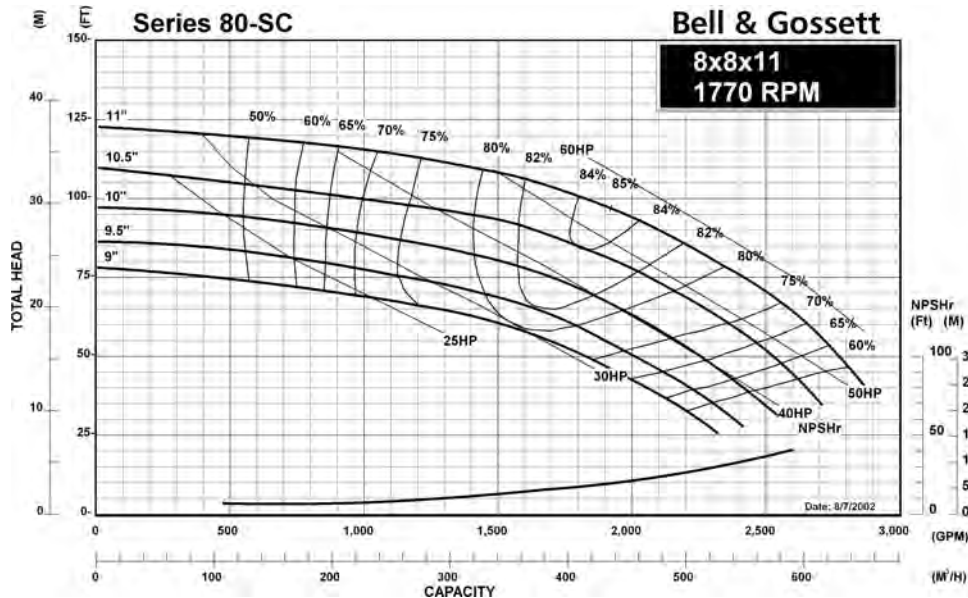
250 psi (17 bar) W.P. with 250# ANSI flange drilling

TYPE OF SEAL

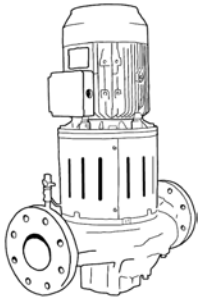
STANDARD SEAL - Inside Unitized with flush line (EPR/Carbon-Ceramic)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)

OPTIONAL SEAL - Inside Unitized with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 250 psi (17 bar)

OPTIONAL SEAL - Outside Type "8B2"; with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)



<p>JOB:</p> <p>UNIT TAG:</p> <p>ENGINEER:</p> <p>CONTRACTOR:</p>	<p>REPRESENTATIVE:</p> <p>ORDER NO.</p> <p>SUBMITTED BY:</p> <p>APPROVED BY:</p>	<p>DATE:</p> <p>DATE:</p> <p>DATE:</p>
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8x8x11

Series 80[®]-SC

Spacer Coupled Vertical
In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW _____ HEAD _____

HP _____ RPM _____

VOLTS _____

CYCLE _____ PHASE _____

ENCLOSURE _____

APPROX. WEIGHT _____

SPECIALS _____

MATERIALS OF CONSTRUCTION

BRONZE FITTED ALL IRON

WORKING PRESSURE

175 psi (12 bar) W.P. with 125# ANSI flange drilling

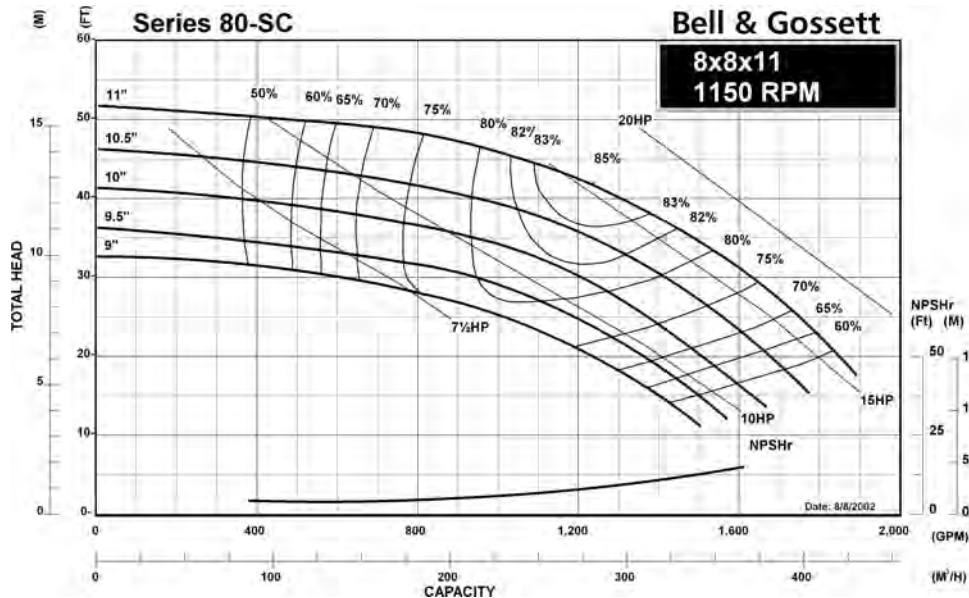
250 psi (17 bar) W.P. with 250# ANSI flange drilling

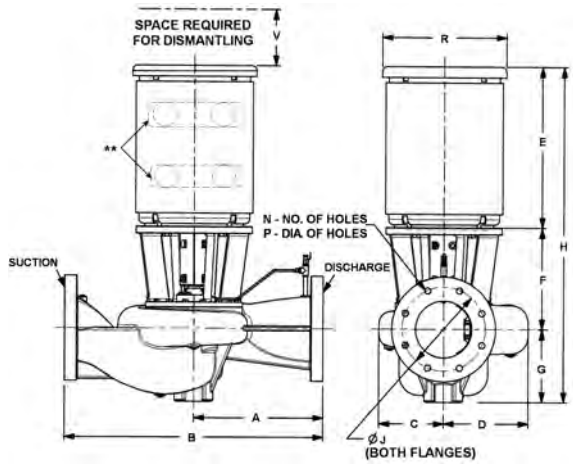
TYPE OF SEAL

STANDARD SEAL - Inside Unitized with flush line (EPR/Carbon-Ceramic)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)

OPTIONAL SEAL - Inside Unitized with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 250 psi (17 bar)

OPTIONAL SEAL - Outside Type "8B2"; with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)





FLANGE DIMENSIONS IN INCHES (MM)			
	SIZE	THICKNESS	O.D.
Discharge	8"	1-3/4 (44)	14-3/4 (375)
Suction	8"	1-3/4 (44)	14-3/4 (375)

**VOLUTE BASE RING TAPPED FOR
3" - 125# ANSI FLANGE TO SUPPORT PUMP**

** Motor may be supplied with feet

DIMENSIONS - Inches (mm)

TC SHAFT MOTORS

MOTOR FRAME	A	B	C	D	G	F	E	H	125# ANSI			250# ANSI			R	V (Min)
									J	N	P	J	N	P		
284TC	18-5/16 (465)	36-11/16 (932)	9-3/16 (233)	12 (305)	10-1/4 (260)	13-15/16 (354)	22-1/16 (560)	46-1/4 (1175)	11-3/4 (298)	8	7/8 (22)	13 (330)	12	1 (25)	14-1/8 (359)	6-1/4 (159)
286TC	18-5/16 (465)	36-11/16 (932)	9-3/16 (233)	12 (305)	10-1/4 (260)	13-15/16 (354)	23-9/16 (598)	47-3/4 (1213)	11-3/4 (298)	8	7/8 (22)	13 (330)	12	1 (25)	14-1/8 (359)	6-1/4 (159)
324TSC	18-5/16 (465)	36-11/16 (932)	9-3/16 (233)	12 (305)	10-1/4 (260)	13-15/16 (354)	24-5/8 (625)	48-13/16 (1240)	11-3/4 (298)	8	7/8 (22)	13 (330)	12	1 (25)	15-9/16 (395)	6-1/4 (159)
326TSC	18-5/16 (465)	36-11/16 (932)	9-3/16 (233)	12 (305)	10-1/4 (260)	13-15/16 (354)	26-1/8 (664)	50-5/16 (1278)	11-3/4 (298)	8	7/8 (22)	13 (330)	12	1 (25)	15-9/16 (395)	6-1/4 (159)
364TSC	18-5/16 (465)	36-11/16 (932)	9-3/16 (233)	12 (305)	10-1/4 (260)	13-15/16 (354)	28-1/16 (713)	52-1/4 (1327)	11-3/4 (298)	8	7/8 (22)	13 (330)	12	1 (25)	18-3/4 (476)	6-1/4 (159)

HP SHAFT MOTORS

MOTOR FRAME	A	B	C	D	G	F	E	H	125# ANSI			250# ANSI			R	V (Min)
									J	N	P	J	N	P		
284HPH	18-5/16 (465)	36-11/16 (932)	9-3/16 (233)	12 (305)	10-1/4 (260)	13-15/16 (354)	25-1/8 (638)	49-5/16 (1253)	11-3/4 (298)	8	7/8 (22)	13 (330)	12	1 (25)	14-1/8 (359)	6-1/4 (159)
286HPH	18-5/16 (465)	36-11/16 (932)	9-3/16 (233)	12 (305)	10-1/4 (260)	13-15/16 (354)	26-5/8 (676)	50-13/16 (1291)	11-3/4 (298)	8	7/8 (22)	13 (330)	12	1 (25)	14-1/8 (359)	6-1/4 (159)
324HP	18-5/16 (465)	36-11/16 (932)	9-3/16 (233)	12 (305)	10-1/4 (260)	13-15/16 (354)	27-11/16 (703)	51-7/8 (1318)	11-3/4 (298)	8	7/8 (22)	13 (330)	12	1 (25)	15-9/16 (395)	6-1/4 (159)
326HP	18-5/16 (465)	36-11/16 (932)	9-3/16 (233)	12 (305)	10-1/4 (260)	13-15/16 (354)	29-3/16 (741)	53-3/8 (1356)	11-3/4 (298)	8	7/8 (22)	13 (330)	12	1 (25)	15-9/16 (395)	6-1/4 (159)
364HP	18-5/16 (465)	36-11/16 (932)	9-3/16 (233)	12 (305)	10-1/4 (260)	13-15/16 (354)	32 (813)	56-3/16 (1427)	11-3/4 (298)	8	7/8 (22)	13 (330)	12	1 (25)	18-3/4 (476)	6-1/4 (159)

IEC SHAFT MOTORS

MOTOR FRAME	A	B	C	D	G	F	E	H	125# ANSI			250# ANSI			R	V (Min)
									J	N	P	J	N	P		
160M	18-5/16 (465)	36-11/16 (932)	9-3/16 (233)	12 (305)	10-1/4 (260)	13-15/16 (354)	20-1/4 (514)	44-7/16 (1129)	11-3/4 (298)	8	7/8 (22)	13 (330)	12	1 (25)	13 (330)	6-1/4 (159)
160L	18-5/16 (465)	36-11/16 (932)	9-3/16 (233)	12 (305)	10-1/4 (260)	13-15/16 (354)	22-1/16 (560)	46-1/4 (1175)	11-3/4 (298)	8	7/8 (22)	13 (330)	12	1 (25)	13 (330)	6-1/4 (159)
180M	18-5/16 (465)	36-11/16 (932)	9-3/16 (233)	12 (305)	10-1/4 (260)	13-15/16 (354)	23-1/4 (591)	47-7/16 (1205)	11-3/4 (298)	8	7/8 (22)	13 (330)	12	1 (25)	14-15/16 (379)	6-1/4 (159)
180L	18-5/16 (465)	36-11/16 (932)	9-3/16 (233)	12 (305)	10-1/4 (260)	13-15/16 (354)	24-13/16 (630)	49 (1245)	11-3/4 (298)	8	7/8 (22)	13 (330)	12	1 (25)	14-15/16 (379)	6-1/4 (159)
200L	18-5/16 (465)	36-11/16 (932)	9-3/16 (233)	12 (305)	10-1/4 (260)	13-15/16 (354)	26-3/8 (670)	50-9/16 (1284)	11-3/4 (298)	8	7/8 (22)	13 (330)	12	1 (25)	16-5/16 (414)	6-1/4 (159)

Dimensions are subject to change. Not to be used for construction purposes unless certified.

NOTE: For TEFC add 1-1/2" to dimensions E & H.

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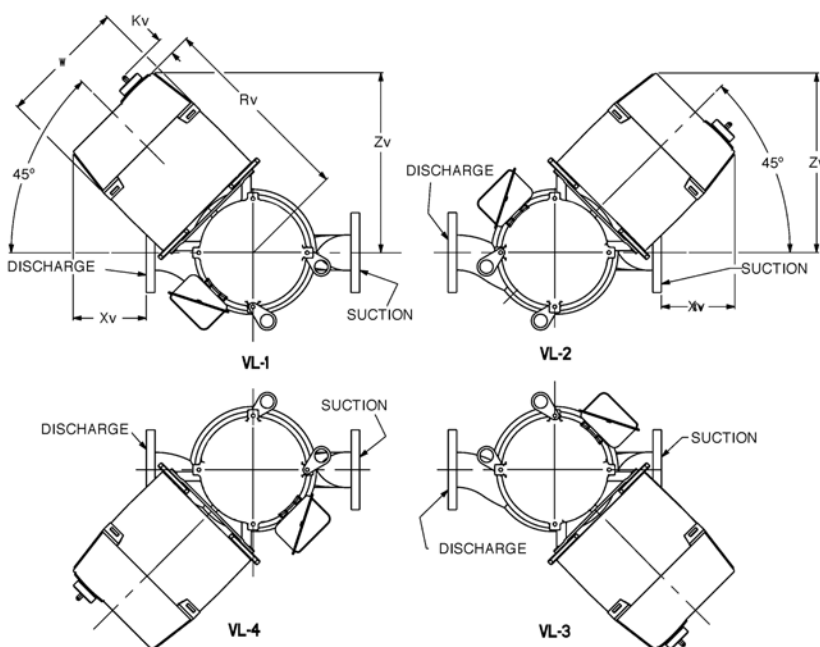
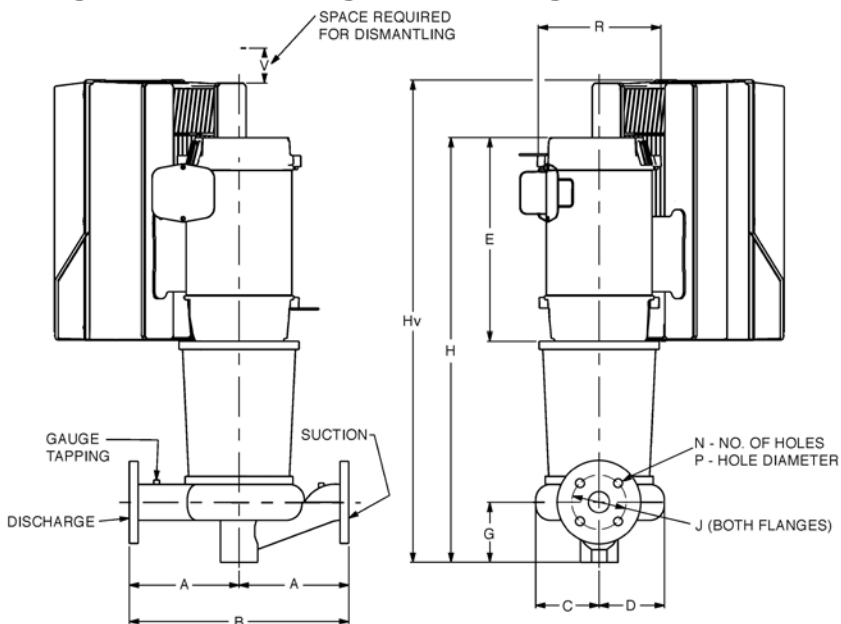
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TECHNOLOGIC STANDARD FEATURES	
CONTROL METHOD	Constant Pressure, Linear Control Curve, Quadratic Control Curve Factory configured for sensorless operation standard. Field configurable for use with a wired transducer.
ENCLOSURE	IP55 / NEMA 12 / UL type 12
POWER DISCONNECT SWITCH	Included standard. Fused Disconnect Switch optional.
EMI/RFI CONTROL	Integrated filter to meet EN62800-3.
HARMONIC SUPPRESSION	Integrated non-saturating dual DC link reactors provide better harmonic performance than a 5% AC line reactor.
COOLING	Fan-cooled through temperature controlled and easy replacement.
AMBIENT TEMPERATURE RATING	14°F to 113°F (-10°C to 45°C)
COMMUNICATION PROTOCOLS	BACnet, Modbus RTU, N2 Metasys, FLN Apogee
ANALOG INPUTS	2 configurable for either voltage (0 to 10VDC) or current(0/4 to 20mA)
ANALOG OUTPUTS	1 (0/4 to 20mA) up to 500 ohm load accurate to 1% of full scale
DIGITAL INPUTS	4 (0 to 24VDC), NPN or PNP, 0 to 24VDC, on 5 msec scan interval, Up to 2 can be configured as pulse inputs.
DIGITAL OUTPUTS	2 (0 to 24VDC), 40mA max current, configurable as pulse outputs.
RELAY OUTPUTS	2 programmable, 240VAC or 400VAC up to 2 A



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8x8x11 Series 80-SC[®]

In-Line Mounted Centrifugal Pumps
With Optional Integrated Technologic[®] featuring Sensorless Control

DIMENSIONS – Inches (mm)

TC SHAFT MOTORS

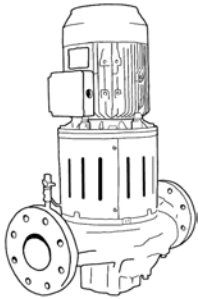
MOTOR FRAME	A	B	G	E	125# ANSI			250# ANSI			R	V (Min)	VFD	Rv	Zv	W	Hv	Xv	Kv
					J	N	P	J	N	P									
284TC	18-5/16 (465)	36-11/16 (932)	10-1/4 (260)	22-1/16 (560)	11-3/4 (298)	8	7/8 (22)	13 (330)	12	1 (25)	14-1/8 (359)	6-1/4 (159)	B1	17-37/64 (446)	15-29/64 (392)	9-1/2 (241)	46-1/4 (1175)	2-55/64 (73)	1-13/16 (45.72)
286TC	18-5/16 (465)	36-11/16 (932)	10-1/4 (260)	23-9/16 (598)	11-3/4 (298)	8	7/8 (22)	13 (330)	12	1 (25)	14-1/8 (359)	6-1/4 (159)	B1	17-37/64 (446)	15-29/64 (392)	9-1/2 (241)	47-3/4 (1213)	2-55/64 (73)	1-13/16 (45.72)
													B2	17-37/64 (446)	15-29/64 (392)	9-1/2 (241)	51-5/64 (1297)	2-55/64 (73)	1-11/16 (43.18)
324TSC	18-5/16 (465)	36-11/16 (932)	10-1/4 (260)	24-5/8 (625)	11-3/4 (298)	8	7/8 (22)	13 (330)	12	1 (25)	15-9/16 (395)	6-1/4 (159)	B2	18-37/64 (472)	16-5/32 (410)	9-1/2 (241)	53-63/64 (1371)	2-5/32 (55)	1-11/16 (43.18)
													C1	20-37/64 (523)	18-21/64 (465)	12-3/32 (307)	54-21/64 (1380)	21/64 (8)	1-7/8 (48.26)
326TSC	18-5/16 (465)	36-11/16 (932)	10-1/4 (260)	26-1/8 (664)	11-3/4 (298)	8	7/8 (22)	13 (330)	12	1 (25)	15-9/16 (395)	6-1/4 (159)	C1	20-37/64 (523)	18-21/64 (465)	12-3/32 (307)	55-53/64 (1418)	21/64 (8)	1-7/8 (48.26)
													C2	21-37/64 (548)	19-7/8 (505)	14-19/32 (371)	60-25/64 (1534)	1-9/16 (40)	2-5/16 (58.42)
364TSC	18-5/16 (465)	36-11/16 (932)	10-1/4 (260)	28-1/16 (713)	11-3/4 (298)	8	7/8 (22)	13 (330)	12	1 (25)	18-3/4 (476)	6-1/4 (159)	C1	21-37/64 (548)	19-1/32 (483)	12-3/32 (307)	53-47/64 (1365)	23/32 (18)	1-7/8 (48.26)
													C2	22-37/64 (573)	20-37/64 (523)	14-19/32 (371)	58-19/64 (1481)	2-17/64 (58)	2-5/16 (58.42)

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<p>JOB:</p> <p>UNIT TAG:</p> <p>ENGINEER:</p> <p>CONTRACTOR:</p>	<p>REPRESENTATIVE:</p> <p>ORDER NO.</p> <p>SUBMITTED BY:</p> <p>APPROVED BY:</p>	<p>DATE:</p> <p>DATE:</p> <p>DATE:</p>
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8x8x13¹/₂

Series 80[®]-SC

Spacer Coupled Vertical
In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW _____ HEAD _____

HP _____ RPM _____

VOLTS _____

CYCLE _____ PHASE _____

ENCLOSURE _____

APPROX. WEIGHT _____

SPECIALS _____

MATERIALS OF CONSTRUCTION

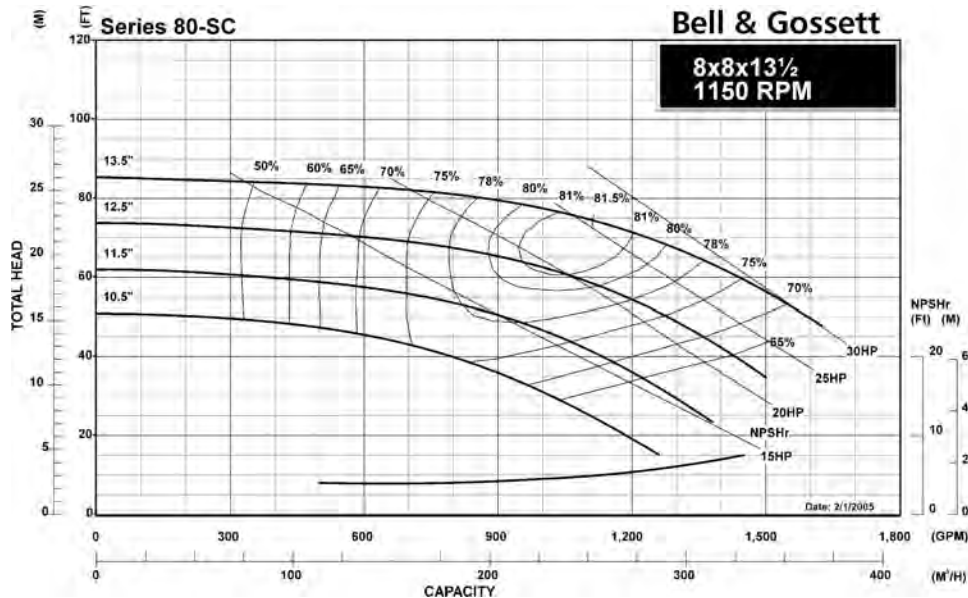
BRONZE FITTED

WORKING PRESSURE

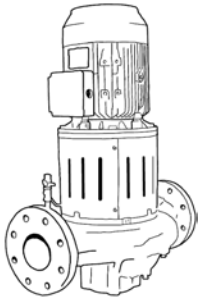
- 175 psi (12 bar) W.P. with 125# ANSI flange drilling
- 250 psi (17 bar) W.P. with 250# ANSI flange drilling

TYPE OF SEAL

- STANDARD SEAL - Inside Unitized with flush line (EPR/Carbon-Ceramic)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)
- OPTIONAL SEAL - Inside Unitized with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 250 psi (17 bar)
- OPTIONAL SEAL - Outside Type "8B2"; with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)



<p>JOB:</p> <p>UNIT TAG:</p> <p>ENGINEER:</p> <p>CONTRACTOR:</p>	<p>REPRESENTATIVE:</p> <p>ORDER NO.</p> <p>SUBMITTED BY:</p> <p>APPROVED BY:</p>	<p>DATE:</p> <p>DATE:</p> <p>DATE:</p>
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8x8x13¹/₂

Series 80[®]-SC

Spacer Coupled Vertical
In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW _____ HEAD _____

HP _____ RPM _____

VOLTS _____

CYCLE _____ PHASE _____

ENCLOSURE _____

APPROX. WEIGHT _____

SPECIALS _____

MATERIALS OF CONSTRUCTION

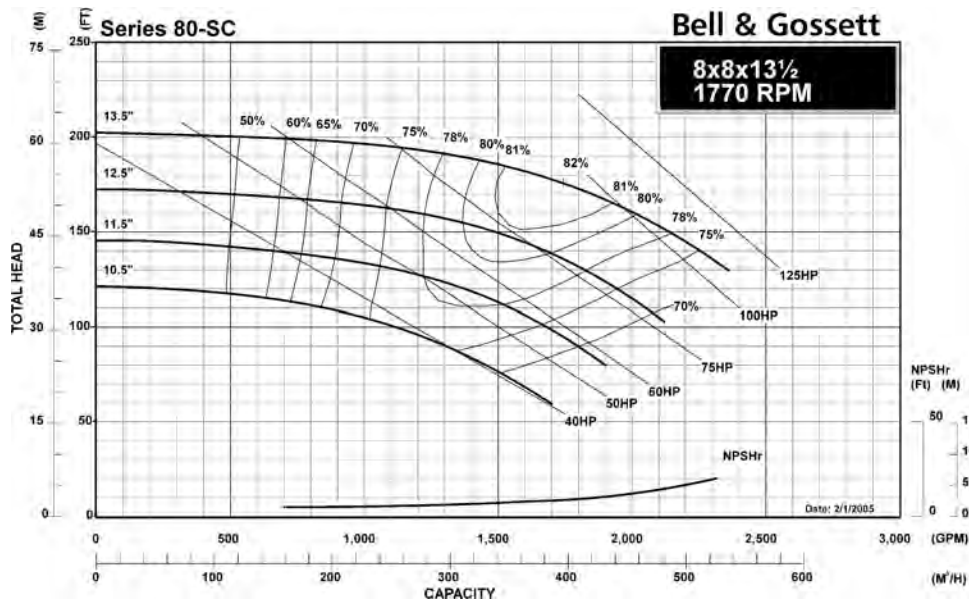
BRONZE FITTED

WORKING PRESSURE

- 175 psi (12 bar) W.P. with 125# ANSI flange drilling
- 250 psi (17 bar) W.P. with 250# ANSI flange drilling

TYPE OF SEAL

- STANDARD SEAL - Inside Unitized with flush line (EPR/Carbon-Ceramic)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)
- OPTIONAL SEAL - Inside Unitized with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 250 psi (17 bar)
- OPTIONAL SEAL - Outside Type "8B2"; with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)

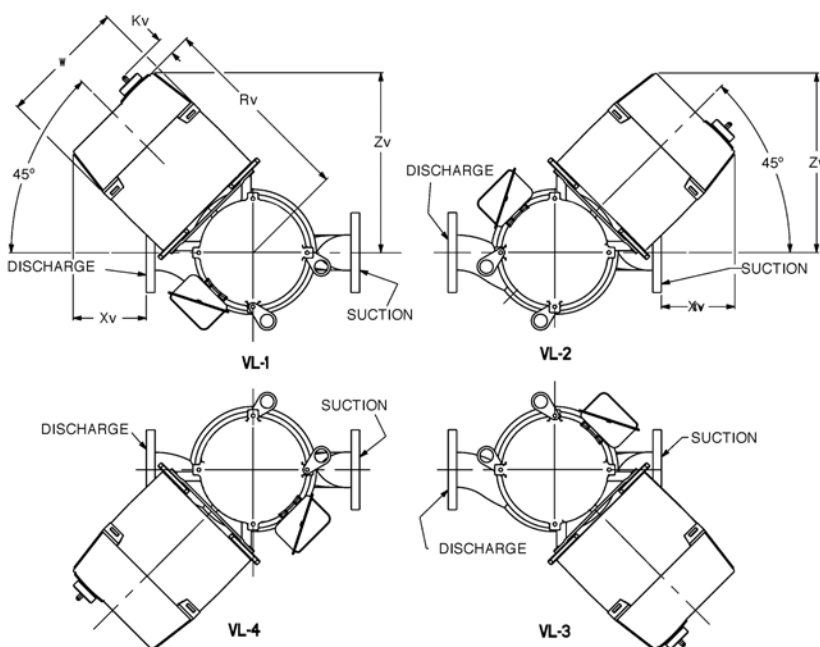
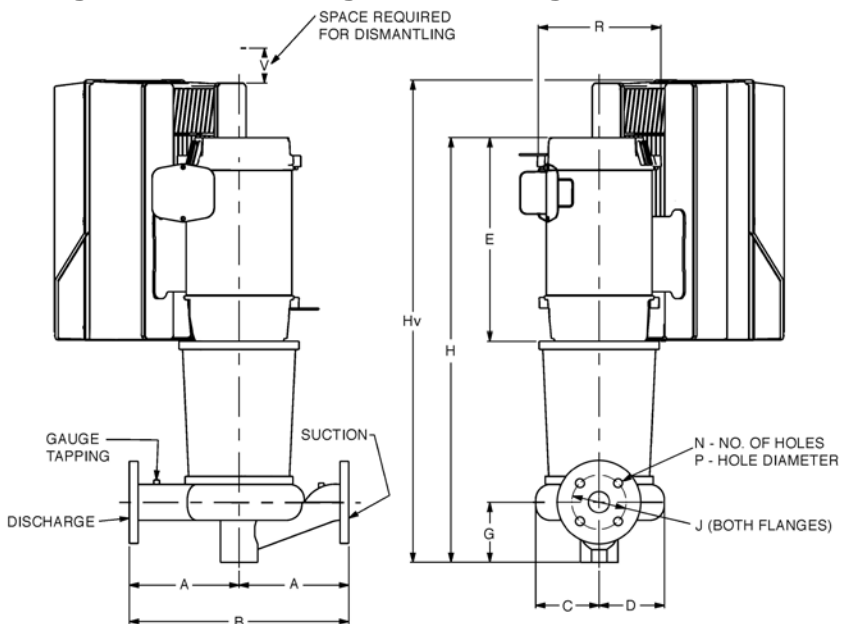




8x8x13½ Series 80SC®

In-Line Mounted Centrifugal Pumps
With Optional Integrated Technologic® featuring Sensorless Control

TECHNOLOGIC STANDARD FEATURES	
CONTROL METHOD	Constant Pressure, Linear Control Curve, Quadratic Control Curve Factory configured for sensorless operation standard. Field configurable for use with a wired transducer.
ENCLOSURE	IP55 / NEMA 12 / UL type 12
POWER DISCONNECT SWITCH	Included standard. Fused Disconnect Switch optional.
EMI/RFI CONTROL	Integrated filter to meet EN62800-3.
HARMONIC SUPPRESSION	Integrated non-saturating dual DC link reactors provide better harmonic performance than a 5% AC line reactor.
COOLING	Fan-cooled through temperature controlled and easy replacement.
AMBIENT TEMPERATURE RATING	14°F to 113°F (-10°C to 45°C)
COMMUNICATION PROTOCOLS	BACnet, Modbus RTU, N2 Metasys, FLN Apogee
ANALOG INPUTS	2 configurable for either voltage (0 to 10VDC) or current(0/4 to 20mA)
ANALOG OUTPUTS	1 (0/4 to 20mA) up to 500 ohm load accurate to 1% of full scale
DIGITAL INPUTS	4 (0 to 24VDC), NPN or PNP, 0 to 24VDC, on 5 msec scan interval, Up to 2 can be configured as pulse inputs.
DIGITAL OUTPUTS	2 (0 to 24VDC), 40mA max current, configurable as pulse outputs.
RELAY OUTPUTS	2 programmable, 240VAC or 400VAC up to 2 A



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Morton Grove, IL 60053
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8x8x13¹/₂ Series 80-SC[®]

In-Line Mounted Centrifugal Pumps
With Optional Integrated Technologic[®] featuring Sensorless Control

DIMENSIONS – Inches (mm)

TC SHAFT MOTORS

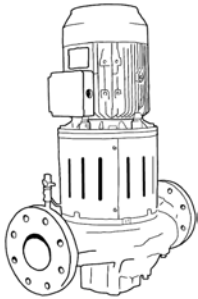
MOTOR FRAME	A	B	G	E	125# ANSI			250# ANSI			R	V (Min)	VFD	Rv	Zv	W	Hv	Xv	Kv
					J	N	P	J	N	P									
284TC	20-1/2 (521)	41 (1041)	13-1/4 (337)	22-1/16 (560)	11-3/4 (298)	8	7/8 (22)	13 (330)	12	1 (25)	14-1/8 (358)	7-1/2 (191)	B1	17-37/64 (446)	15-29/64 (392)	9-1/2 (241)	49 (1245)	5-3/64 (128)	1-13/16 (45.72)
286TC	20-1/2 (521)	41 (1041)	13-1/4 (337)	23-9/16 (598)	11-3/4 (298)	8	7/8 (22)	13 (330)	12	1 (25)	14-1/8 (358)	7-1/2 (191)	B1	17-37/64 (446)	15-29/64 (392)	9-1/2 (241)	50-1/2 (1283)	5-3/64 (128)	1-13/16 (45.72)
													B2	17-37/64 (446)	15-29/64 (392)	9-1/2 (241)	53-53/64 (1367)	5-3/64 (128)	1-11/16 (43.18)
324TSC	20-1/2 (521)	41 (1041)	13-1/4 (337)	24-5/8 (625)	11-3/4 (298)	8	7/8 (22)	13 (330)	12	1 (25)	15-9/16 (396)	7-1/2 (191)	B1	18-37/64 (472)	16-5/32 (410)	9-1/2 (241)	52-9/32 (1328)	4-11/32 (110)	1-13/16 (45.72)
													C1	20-37/64 (523)	18-21/64 (465)	12-3/32 (307)	57-5/64 (1450)	2-11/64 (55)	1-7/8 (48.26)
326TSC	20-1/2 (521)	41 (1041)	13-1/4 (337)	26-1/8 (663)	11-3/4 (298)	8	7/8 (22)	13 (330)	12	1 (25)	15-9/16 (396)	7-1/2 (191)	B2	18-37/64 (472)	16-5/32 (410)	9-1/2 (241)	58-15/64 (1479)	4-11/32 (110)	1-11/16 (43.18)
													C1	20-37/64 (523)	18-21/64 (465)	12-3/32 (307)	58-37/64 (1488)	2-11/64 (55)	1-7/8 (48.26)
364TSC	20-1/2 (521)	41 (1041)	13-1/4 (337)	28-1/16 (713)	11-3/4 (298)	8	7/8 (22)	13 (330)	12	1 (25)	18-3/4 (476)	7-1/2 (191)	B2	19-37/64 (497)	16-55/64 (428)	9-1/2 (241)	55-9/64 (1401)	3-41/64 (92)	1-11/16 (43.18)
													C1	21-37/64 (548)	19-1/32 (483)	12-3/32 (307)	56-31/64 (1435)	1-15/32 (37)	1-7/8 (48.26)
													C2	22-37/64 (573)	20-37/64 (523)	14-19/32 (371)	61-3/64 (1551)	5/64 (2)	2-5/16 (58.42)

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10x10x13¹/₂

Series 80[®]-SC

Spacer Coupled Vertical
In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW _____ HEAD _____

HP _____ RPM _____

VOLTS _____

CYCLE _____ PHASE _____

ENCLOSURE _____

APPROX. WEIGHT _____

SPECIALS _____

MATERIALS OF CONSTRUCTION

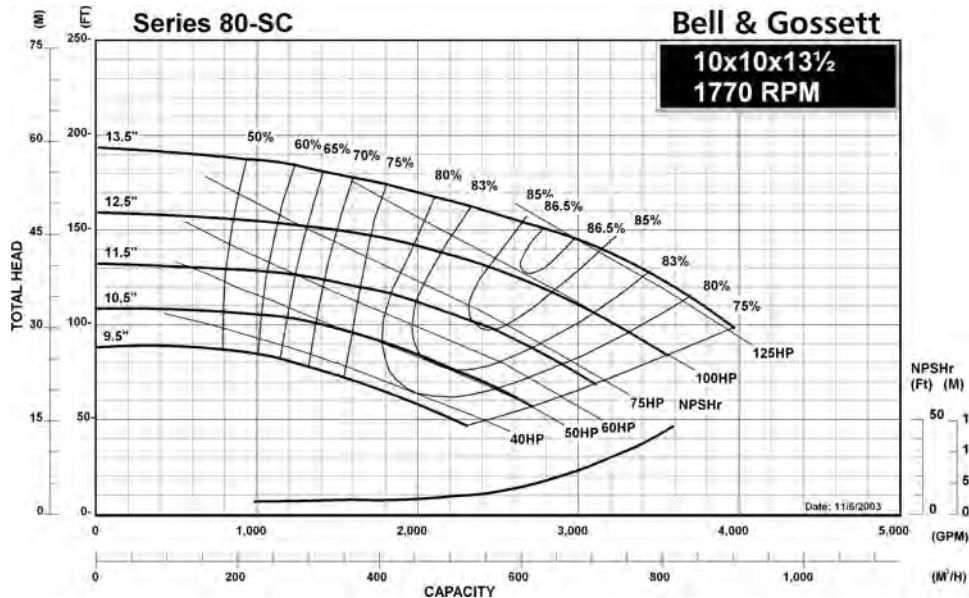
BRONZE FITTED

WORKING PRESSURE

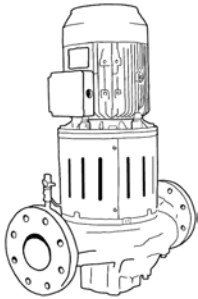
- 175 psi (12 bar) W.P. with 125# ANSI flange drilling
- 250 psi (17 bar) W.P. with 250# ANSI flange drilling

TYPE OF SEAL

- STANDARD SEAL - Inside Unitized with flush line (EPR/Carbon-Ceramic)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)
- OPTIONAL SEAL - Inside Unitized with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 250 psi (17 bar)
- OPTIONAL SEAL - Outside Type "8B2"; with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)



<p>JOB:</p> <p>UNIT TAG:</p> <p>ENGINEER:</p> <p>CONTRACTOR:</p>	<p>REPRESENTATIVE:</p> <p>ORDER NO.</p> <p>SUBMITTED BY:</p> <p>APPROVED BY:</p>	<p>DATE:</p> <p>DATE:</p> <p>DATE:</p>
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10x10x13¹/₂

Series 80[®]-SC

Spacer Coupled Vertical
In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW _____ HEAD _____

HP _____ RPM _____

VOLTS _____

CYCLE _____ PHASE _____

ENCLOSURE _____

APPROX. WEIGHT _____

SPECIALS _____

MATERIALS OF CONSTRUCTION

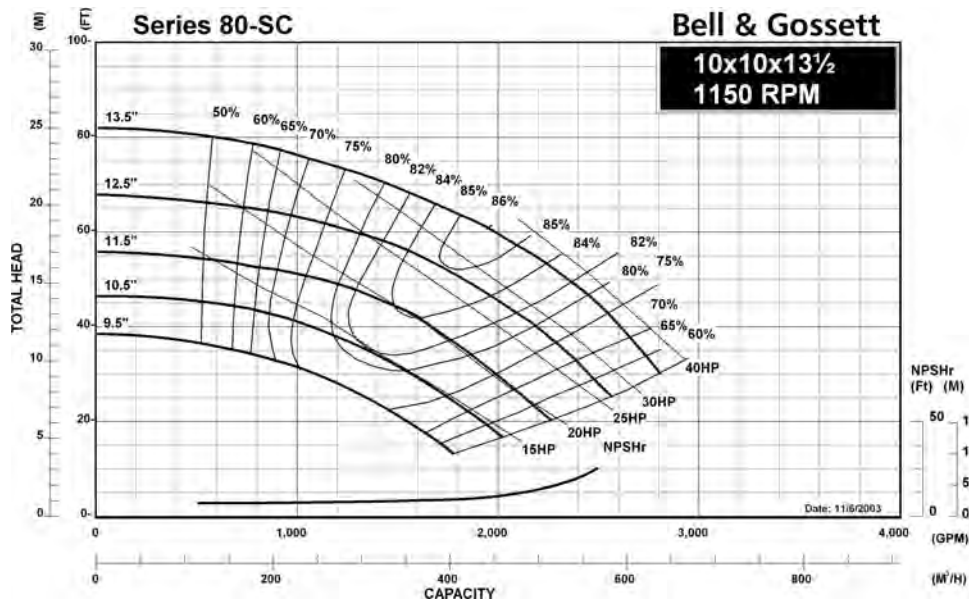
BRONZE FITTED

WORKING PRESSURE

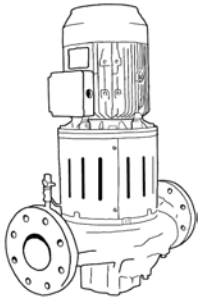
- 175 psi (12 bar) W.P. with 125# ANSI flange drilling
- 250 psi (17 bar) W.P. with 250# ANSI flange drilling

TYPE OF SEAL

- STANDARD SEAL - Inside Unitized with flush line (EPR/Carbon-Ceramic)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)
- OPTIONAL SEAL - Inside Unitized with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 250 psi (17 bar)
- OPTIONAL SEAL - Outside Type "8B2"; with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)



JOB:	REPRESENTATIVE:	
UNIT TAG:	ORDER NO.	DATE:
ENGINEER:	SUBMITTED BY:	DATE:
CONTRACTOR:	APPROVED BY:	DATE:



10x10x13¹/₂

Series 80[®]-SC

Spacer Coupled Vertical
In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW _____ HEAD _____

HP _____ RPM _____

VOLTS _____

CYCLE _____ PHASE _____

ENCLOSURE _____

APPROX. WEIGHT _____

SPECIALS _____

MATERIALS OF CONSTRUCTION

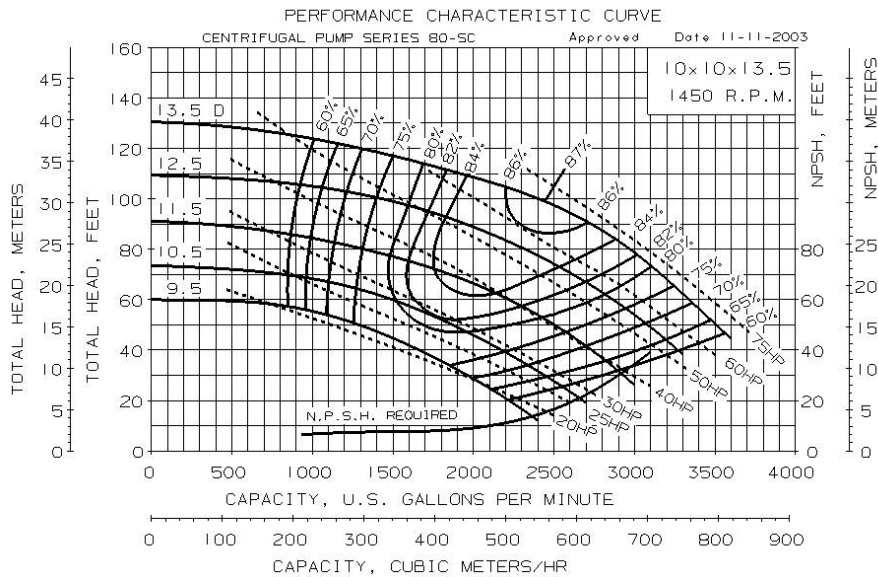
BRONZE FITTED

WORKING PRESSURE

- 175 psi (12 bar) W.P. with 125# ANSI flange drilling
- 250 psi (17 bar) W.P. with 250# ANSI flange drilling

TYPE OF SEAL

- STANDARD SEAL - Inside Unitized with flush line (EPR/Carbon-Ceramic)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)
- OPTIONAL SEAL - Inside Unitized with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 250 psi (17 bar)
- OPTIONAL SEAL - Outside Type "8B2"; with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)

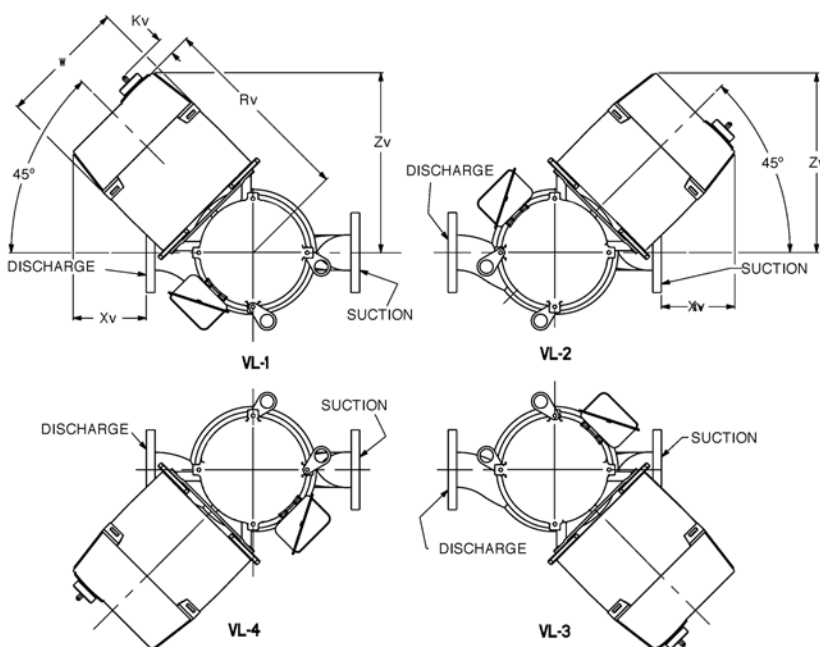
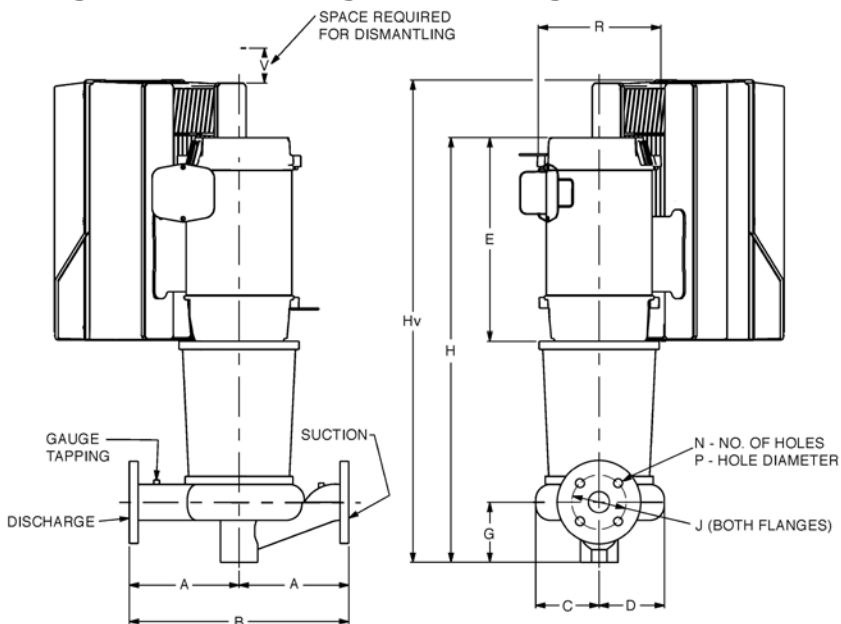




10x10x13¹/₂ Series 80SC[®]

In-Line Mounted Centrifugal Pumps
With Optional Integrated Technologic[®] featuring Sensorless Control

TECHNOLOGIC STANDARD FEATURES	
CONTROL METHOD	Constant Pressure, Linear Control Curve, Quadratic Control Curve Factory configured for sensorless operation standard. Field configurable for use with a wired transducer.
ENCLOSURE	IP55 / NEMA 12 / UL type 12
POWER DISCONNECT SWITCH	Included standard. Fused Disconnect Switch optional.
EMI/RFI CONTROL	Integrated filter to meet EN62800-3.
HARMONIC SUPPRESSION	Integrated non-saturating dual DC link reactors provide better harmonic performance than a 5% AC line reactor.
COOLING	Fan-cooled through temperature controlled and easy replacement.
AMBIENT TEMPERATURE RATING	14°F to 113°F (-10°C to 45°C)
COMMUNICATION PROTOCOLS	BACnet, Modbus RTU, N2 Metasys, FLN Apogee
ANALOG INPUTS	2 configurable for either voltage (0 to 10VDC) or current(0/4 to 20mA)
ANALOG OUTPUTS	1 (0/4 to 20mA) up to 500 ohm load accurate to 1% of full scale
DIGITAL INPUTS	4 (0 to 24VDC), NPN or PNP, 0 to 24VDC, on 5 msec scan interval, Up to 2 can be configured as pulse inputs.
DIGITAL OUTPUTS	2 (0 to 24VDC), 40mA max current, configurable as pulse outputs.
RELAY OUTPUTS	2 programmable, 240VAC or 400VAC up to 2 A



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10x10x13¹/₂ Series 80-SC[®]

In-Line Mounted Centrifugal Pumps
With Optional Integrated Technologic[®] featuring Sensorless Control

DIMENSIONS – Inches (mm)

TC SHAFT MOTORS

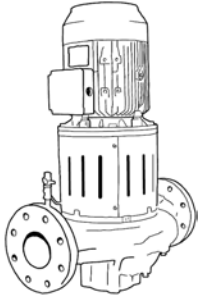
MOTOR FRAME	A	B	G	E	125# ANSI			250# ANSI			R	V (Min)	VFD	Rv	Zv	W	Hv	Xv	Kv
					J	N	P	J	N	P									
284TC	25-1/16 (636)	50-1/16 (1272)	13-1/8 (333)	22-1/16 (560)	14-1/4 (36.2)	12	1 (25)	15-1/4 (387)	16	1-1/8 (29)	14-1/8 (359)	7-1/2 (191)	B1	17-37/64 (446)	15-29/64 (392)	9-1/2 (241)	49 (1245)	9-39/64 (244)	1-13/16 (45.72)
286TC	25-1/16 (636)	50-1/16 (1272)	13-1/8 (333)	23-9/16 (598)	14-1/4 (36.2)	12	1 (25)	15-1/4 (387)	16	1-1/8 (29)	14-1/8 (359)	7-1/2 (191)	B1	17-37/64 (446)	15-29/64 (392)	9-1/2 (241)	50-1/2 (1283)	9-39/64 (244)	1-13/16 (45.72)
													B2	17-37/64 (446)	15-29/64 (392)	9-1/2 (241)	53-53/64 (1367)	9-39/64 (244)	1-11/16 (43.18)
324TSC	25-1/16 (636)	50-1/16 (1272)	13-1/8 (333)	24-5/8 (625)	14-1/4 (36.2)	12	1 (25)	15-1/4 (387)	16	1-1/8 (29)	15-5/8 (396)	7-1/2 (191)	B1	18-37/64 (472)	16-5/32 (410)	9-1/2 (241)	52-9/32 (1328)	8-29/32 (226)	1-13/16 (45.72)
													C1	20-37/64 (523)	18-21/64 (465)	12-3/32 (307)	57-5/64 (1450)	6-47/64 (171)	1-7/8 (48.26)
326TSC	25-1/16 (636)	50-1/16 (1272)	13-1/8 (333)	26-1/8 (664)	14-1/4 (36.2)	12	1 (25)	15-1/4 (387)	16	1-1/8 (29)	15-5/8 (396)	7-1/2 (191)	B2	18-37/64 (472)	16-5/32 (410)	9-1/2 (241)	58-15/64 (1479)	8-29/32 (226)	1-11/16 (43.18)
													C1	20-37/64 (523)	18-21/64 (465)	12-3/32 (307)	58-37/64 (1488)	6-47/64 (171)	1-7/8 (48.26)
364TSC	25-1/16 (636)	50-1/16 (1272)	13-1/8 (333)	28-1/16 (713)	14-1/4 (36.2)	12	1 (25)	15-1/4 (387)	16	1-1/8 (29)	18-3/4 (476)	7-1/2 (191)	B2	19-37/64 (497)	16-55/64 (428)	9-1/2 (241)	55-9/64 (1401)	8-13/64 (208)	1-11/16 (43.18)
													C1	21-37/64 (548)	19-1/32 (483)	12-3/32 (307)	56-31/64 (1435)	6-1/32 (153)	1-7/8 (48.26)

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12x12x13 Series 80®-SC

Spacer Coupled Vertical
In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW _____ HEAD _____

HP _____ RPM _____

VOLTS _____

CYCLE _____ PHASE _____

ENCLOSURE _____

APPROX. WEIGHT _____

SPECIALS _____

MATERIALS OF CONSTRUCTION

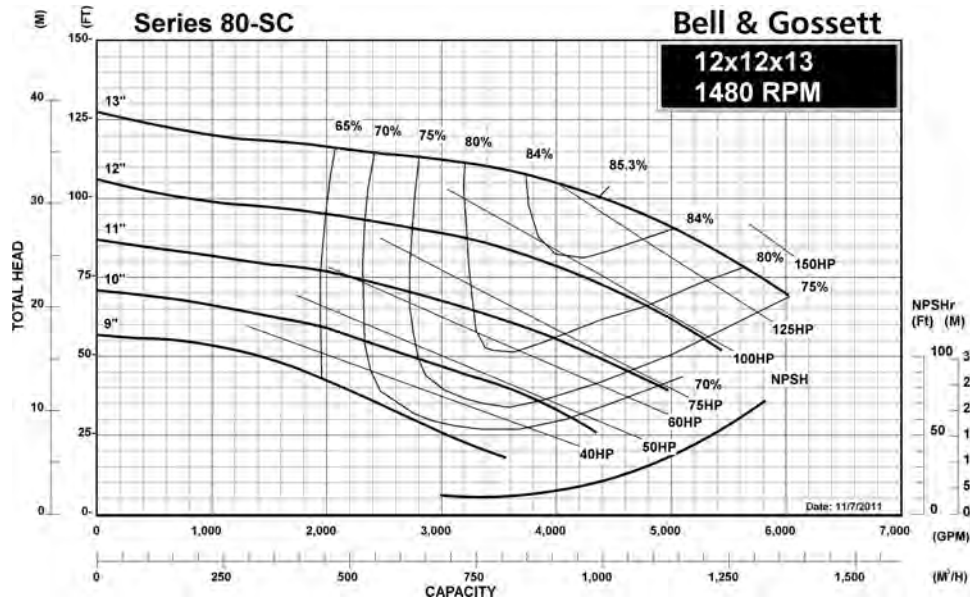
BRONZE FITTED

WORKING PRESSURE

- 175 psi (12 bar) W.P. with 125# ANSI flange drilling
- 250 psi (17 bar) W.P. with 250# ANSI flange drilling

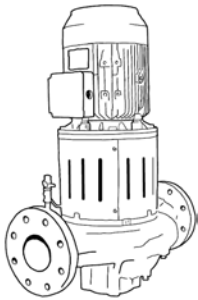
TYPE OF SEAL

- STANDARD SEAL - Inside Unitized with flush line (EPR/Carbon-Ceramic)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)
- OPTIONAL SEAL - Inside Unitized with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 250 psi (17 bar)
- OPTIONAL SEAL - Outside Type "8B2"; with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)



NOTE: Performance and dimensional data are preliminary only and subject to change. Consult Bell & Gossett pump marketing for additional information.

JOB: UNIT TAG: ENGINEER: CONTRACTOR:	REPRESENTATIVE: ORDER NO. SUBMITTED BY: APPROVED BY:	DATE: DATE: DATE:
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12x12x13 Series 80®-SC

Spacer Coupled Vertical
In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW _____ HEAD _____
 HP _____ RPM _____
 VOLTS _____
 CYCLE _____ PHASE _____
 ENCLOSURE _____
 APPROX. WEIGHT _____
 SPECIALS _____

MATERIALS OF CONSTRUCTION

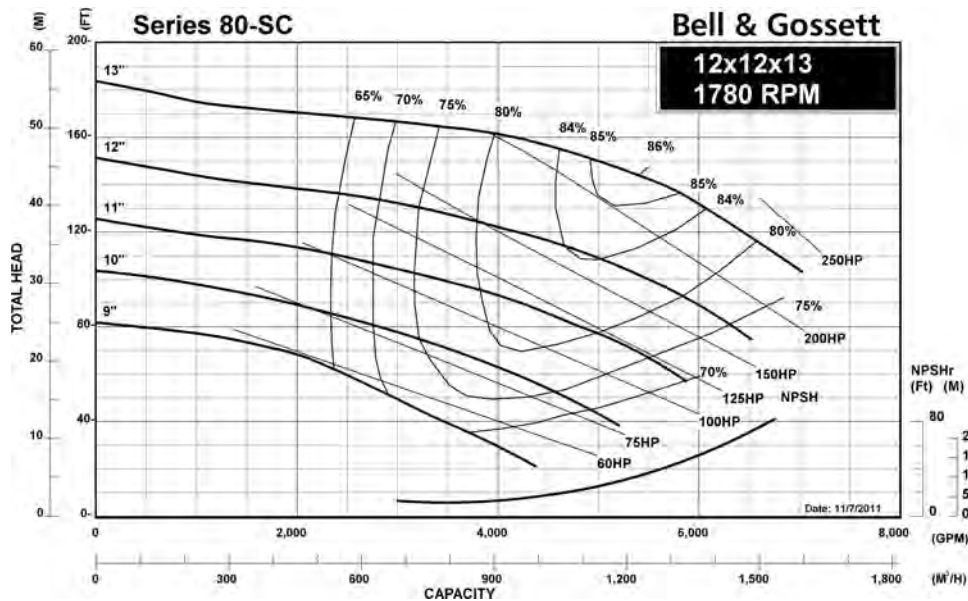
BRONZE FITTED

WORKING PRESSURE

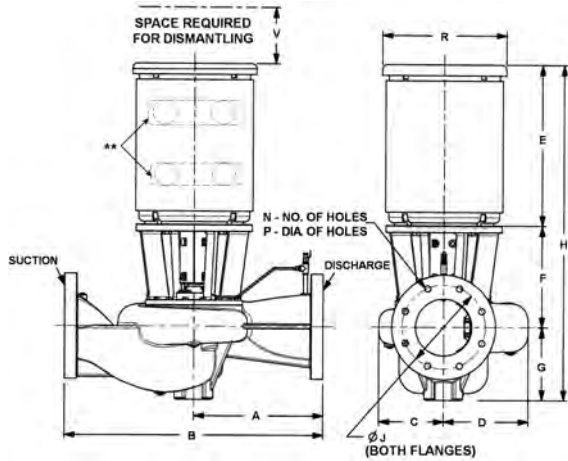
- 175 psi (12 bar) W.P. with 125# ANSI flange drilling
- 250 psi (17 bar) W.P. with 250# ANSI flange drilling

TYPE OF SEAL

- STANDARD SEAL - Inside Unitized with flush line (EPR/Carbon-Ceramic)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)
- OPTIONAL SEAL - Inside Unitized with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 250 psi (17 bar)
- OPTIONAL SEAL - Outside Type "8B2"; with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)



NOTE: Performance and dimensional data are preliminary only and subject to change. Consult Bell & Gossett pump marketing for additional information.



FLANGE DIMENSIONS IN INCHES (MM)			
	SIZE	THICKNESS	O. D.
Discharge	12" (305)	2 (51)	20-1/4 (514)
Suction	12" (305)	2 (51)	20-1/4 (514)

DIMENSIONS - Inches (mm)

TC SHAFT MOTORS

MOTOR FRAME	A	B	C	D	G	F	E	H	125# ANSI			250# ANSI			R	V (Min)
									J	N	P	J	N	P		
286TC	24-1/4 (616)	46-1/4 (1175)	12-1/16 (306)	16-7/16 (418)	11-3/16 (284)	23-7/8 (562)	23-3/8 (594)	58-7/16 (1484)	17 (432)	12	1 (25.4)	17-3/4 (451)	16	1-1/4 (31.8)	13-13/16 (351)	5-3/4 (146)
324TC	24-1/4 (616)	46-1/4 (1175)	12-1/16 (306)	16-7/16 (418)	11-3/16 (284)	26-3/16 (665)	25-15/16 (659)	63-5/16 (1608)	17 (432)	12	1 (25.4)	17-3/4 (451)	16	1-1/4 (31.8)	15-3/8 (391)	6-1/4 (159)
326TC	24-1/4 (616)	46-1/4 (1175)	12-1/16 (306)	16-7/16 (418)	11-3/16 (284)	26-3/16 (665)	25-15/16 (659)	63-5/16 (1608)	17 (432)	12	1 (25.4)	17-3/4 (451)	16	1-1/4 (31.8)	15-3/8 (391)	6-1/4 (159)
364TC	24-1/4 (616)	46-1/4 (1175)	12-1/16 (306)	16-7/16 (418)	11-3/16 (284)	26-3/16 (665)	28-11/16 (729)	66-1/16 (1678)	17 (432)	12	1 (25.4)	17-3/4 (451)	16	1-1/4 (31.8)	17-1/2 (445)	6-7/8 (175)
365TC	24-1/4 (616)	46-1/4 (1175)	12-1/16 (306)	16-7/16 (418)	11-3/16 (284)	26-3/16 (665)	28-11/16 (729)	66-1/16 (1678)	17 (432)	12	1 (25.4)	17-3/4 (451)	16	1-1/4 (31.8)	17-1/2 (445)	6-7/8 (175)
404TC	24-1/4 (616)	46-1/4 (1175)	12-1/16 (306)	16-7/16 (418)	11-3/16 (284)	26-3/16 (665)	32-1/2 (826)	69-7/8 (1775)	17 (432)	12	1 (25.4)	17-3/4 (451)	16	1-1/4 (31.8)	18-7/16 (468)	8-1/4 (210)
405TC	24-1/4 (616)	46-1/4 (1175)	12-1/16 (306)	16-7/16 (418)	11-3/16 (284)	26-3/16 (665)	32-1/2 (826)	69-7/8 (1775)	17 (432)	12	1 (25.4)	17-3/4 (451)	16	1-1/4 (31.8)	18-7/16 (468)	8-1/4 (210)
444TC	24-1/4 (616)	46-1/4 (1175)	12-1/16 (306)	16-7/16 (418)	11-3/16 (284)	27-7/16 (697)	47-7/8 (1216)	86-1/2 (2197)	17 (432)	12	1 (25.4)	17-3/4 (451)	16	1-1/4 (31.8)	22-11/16 (576)	9-1/2 (241)
445TC	24-1/4 (616)	46-1/4 (1175)	12-1/16 (306)	16-7/16 (418)	11-3/16 (284)	27-7/16 (697)	47-7/8 (1216)	86-1/2 (2197)	17 (432)	12	1 (25.4)	17-3/4 (451)	16	1-1/4 (31.8)	22-11/16 (576)	9-1/2 (241)
447TC	24-1/4 (616)	46-1/4 (1175)	12-1/16 (306)	16-7/16 (418)	11-3/16 (284)	27-7/16 (697)	47-7/8 (1216)	86-1/2 (2197)	17 (432)	12	1 (25.4)	17-3/4 (451)	16	1-1/4 (31.8)	22-11/16 (576)	9-1/2 (241)

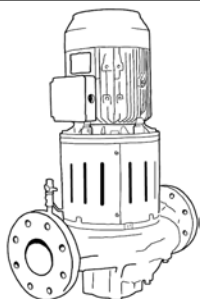
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 www.bellgossett.com



JOB: UNIT TAG: ENGINEER: CONTRACTOR:	REPRESENTATIVE: ORDER NO. SUBMITTED BY: APPROVED BY:	DATE: DATE: DATE:
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12x12x13 Series 80®-SC

Spacer Coupled Vertical
In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

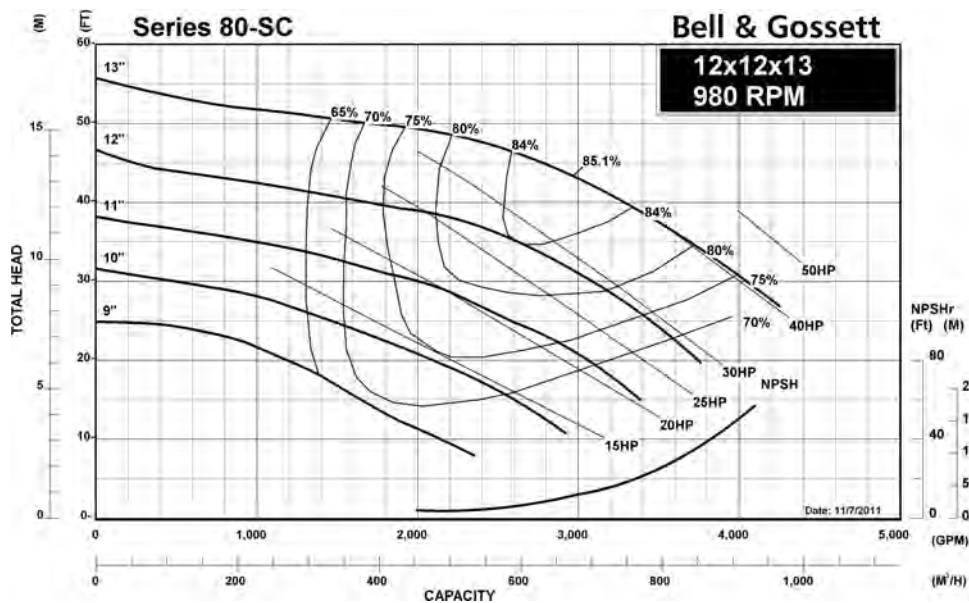
FLOW _____ HEAD _____
 HP _____ RPM _____
 VOLTS _____
 CYCLE _____ PHASE _____
 ENCLOSURE _____
 APPROX. WEIGHT _____
 SPECIALS _____

MATERIALS OF CONSTRUCTION

- BRONZE FITTED
- WORKING PRESSURE**
- 175 psi (12 bar) W.P. with 125# ANSI flange drilling
- 250 psi (17 bar) W.P. with 250# ANSI flange drilling

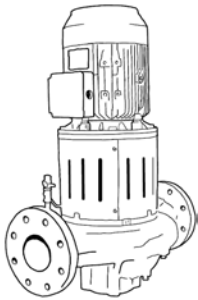
TYPE OF SEAL

- STANDARD SEAL - Inside Unitized with flush line (EPR/Carbon-Ceramic)
 Temp. range -20° to +250°F. (-29° to 121°C)
 Maximum pressure is 175 psi (12 bar)
- OPTIONAL SEAL - Inside Unitized with flush line (EPR/Carbon-Tungsten Carbide)
 Temp. range -20° to +250°F. (-29° to 121°C)
 Maximum pressure is 250 psi (17 bar)
- OPTIONAL SEAL - Outside Type "8B2"; with flush line (EPR/Carbon-Tungsten Carbide)
 Temp. range -20° to +250°F. (-29° to 121°C)
 Maximum pressure is 175 psi (12 bar)



NOTE: Performance and dimensional data are preliminary only and subject to change. Consult Bell & Gossett pump marketing for additional information.

JOB: UNIT TAG: ENGINEER: CONTRACTOR:	REPRESENTATIVE: ORDER NO. SUBMITTED BY: APPROVED BY:	DATE: DATE: DATE:
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12x12x13 Series 80®-SC

Spacer Coupled Vertical
In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW _____ HEAD _____
 HP _____ RPM _____
 VOLTS _____
 CYCLE _____ PHASE _____
 ENCLOSURE _____
 APPROX. WEIGHT _____
 SPECIALS _____

MATERIALS OF CONSTRUCTION

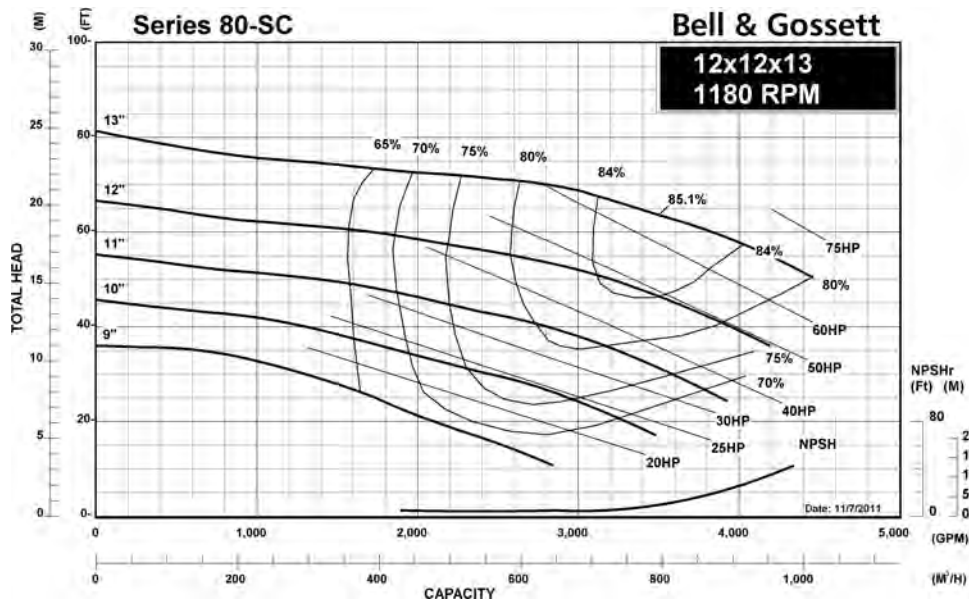
BRONZE FITTED

WORKING PRESSURE

- 175 psi (12 bar) W.P. with 125# ANSI flange drilling
- 250 psi (17 bar) W.P. with 250# ANSI flange drilling

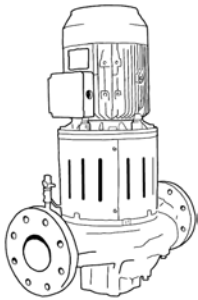
TYPE OF SEAL

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Temp. range -20° to +250°F. (-29° to 121°C)
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- OPTIONAL SEAL - Inside Unitized with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 250 psi (17 bar)
- OPTIONAL SEAL - Outside Type "8B2"; with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)



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JOB: UNIT TAG: ENGINEER: CONTRACTOR:	REPRESENTATIVE: ORDER NO. SUBMITTED BY: APPROVED BY:	DATE: DATE: DATE:
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14x14x14 Series 80®-SC

Spacer Coupled Vertical
In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW _____ HEAD _____

HP _____ RPM _____

VOLTS _____

CYCLE _____ PHASE _____

ENCLOSURE _____

APPROX. WEIGHT _____

SPECIALS _____

MATERIALS OF CONSTRUCTION

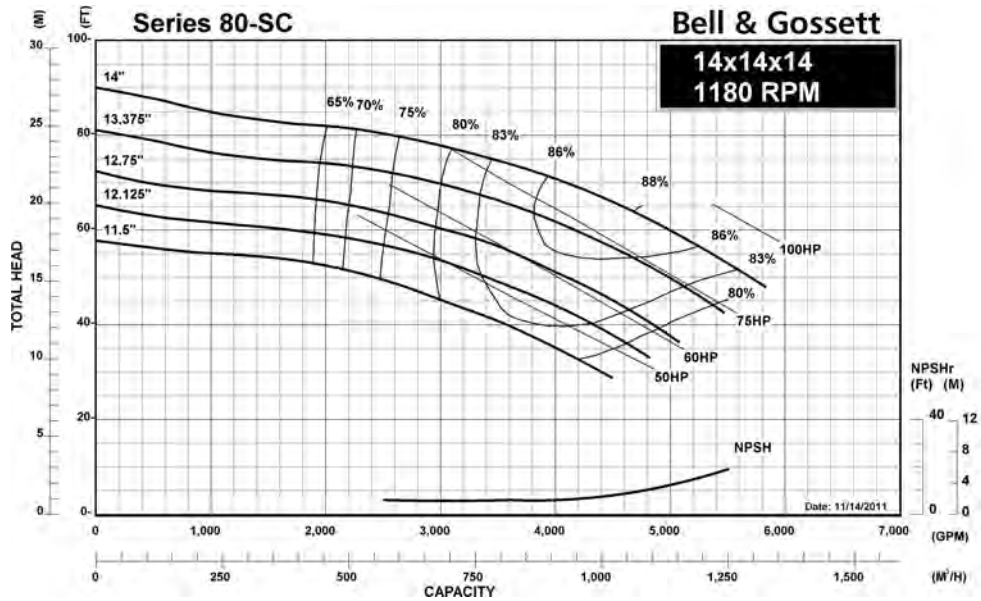
BRONZE FITTED

WORKING PRESSURE

- 175 psi (12 bar) W.P. with 125# ANSI flange drilling
- 250 psi (17 bar) W.P. with 250# ANSI flange drilling

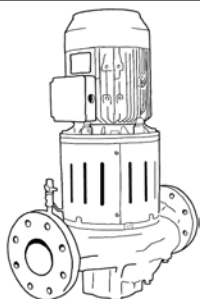
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Maximum pressure is 250 psi (17 bar)
- OPTIONAL SEAL - Outside Type "8B2"; with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)



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JOB: UNIT TAG: ENGINEER: CONTRACTOR:	REPRESENTATIVE: ORDER NO. SUBMITTED BY: APPROVED BY:	DATE: DATE: DATE:
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14x14x14 Series 80®-SC

Spacer Coupled Vertical
In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

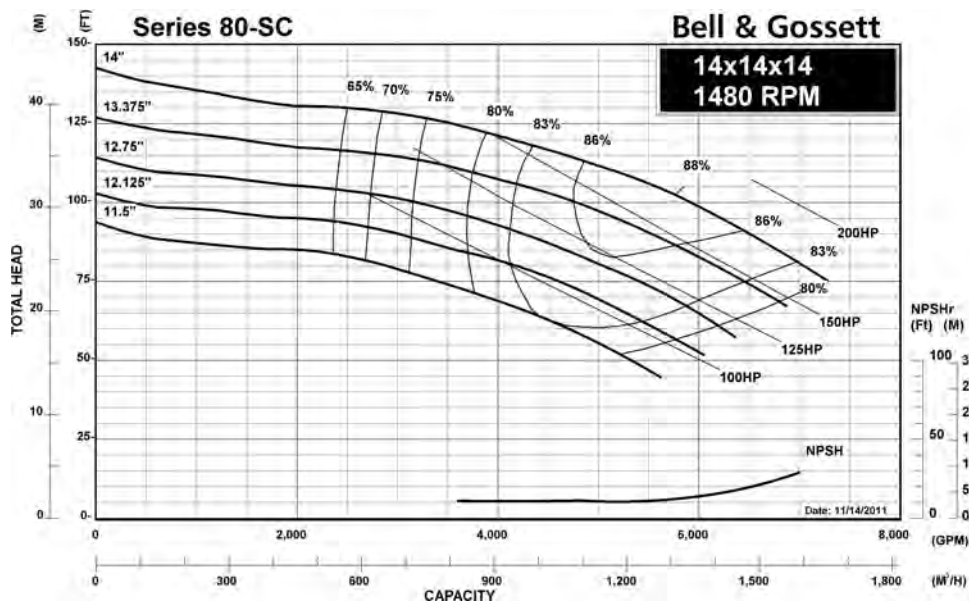
FLOW _____ HEAD _____
 HP _____ RPM _____
 VOLTS _____
 CYCLE _____ PHASE _____
 ENCLOSURE _____
 APPROX. WEIGHT _____
 SPECIALS _____

MATERIALS OF CONSTRUCTION

- BRONZE FITTED
- WORKING PRESSURE**
- 175 psi (12 bar) W.P. with 125# ANSI flange drilling
- 250 psi (17 bar) W.P. with 250# ANSI flange drilling

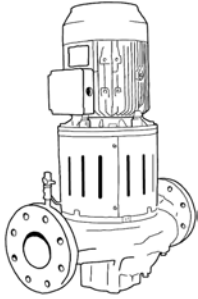
TYPE OF SEAL

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Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)



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JOB:	REPRESENTATIVE:	
UNIT TAG:	ORDER NO.	DATE:
ENGINEER:	SUBMITTED BY:	DATE:
CONTRACTOR:	APPROVED BY:	DATE:



14x14x14 Series 80®-SC

Spacer Coupled Vertical
In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW _____ HEAD _____

HP _____ RPM _____

VOLTS _____

CYCLE _____ PHASE _____

ENCLOSURE _____

APPROX. WEIGHT _____

SPECIALS _____

MATERIALS OF CONSTRUCTION

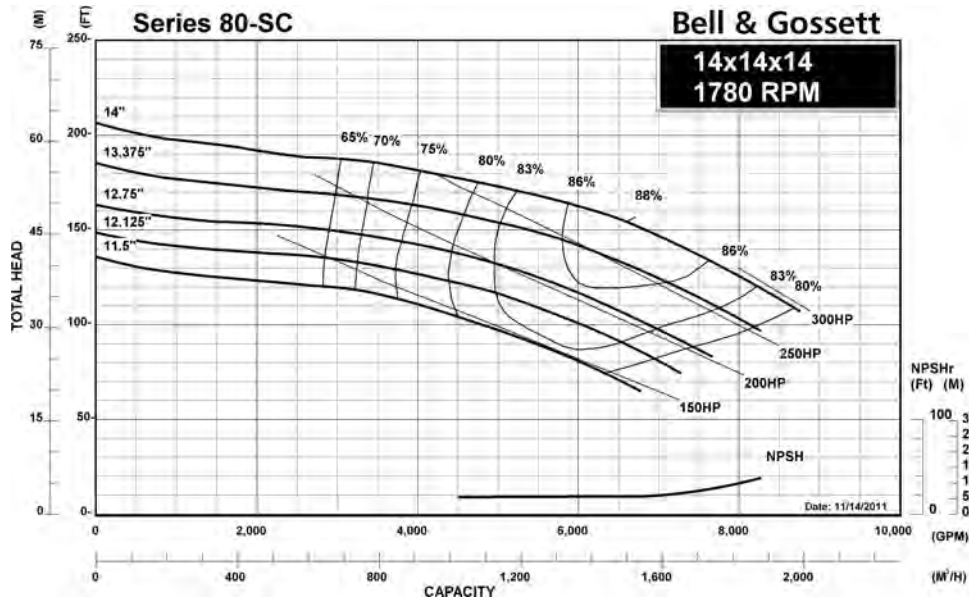
BRONZE FITTED

WORKING PRESSURE

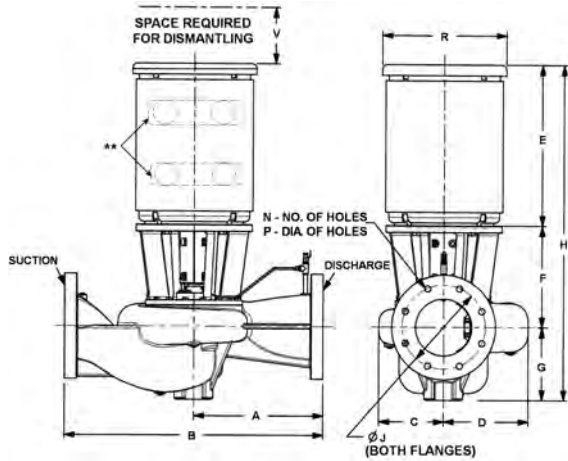
- 175 psi (12 bar) W.P. with 125# ANSI flange drilling
- 250 psi (17 bar) W.P. with 250# ANSI flange drilling

TYPE OF SEAL

- STANDARD SEAL - Inside Unitized with flush line (EPR/Carbon-Ceramic)
Temp. range -20° to +250°F. (-29° to 121°C)
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- OPTIONAL SEAL - Inside Unitized with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 250 psi (17 bar)
- OPTIONAL SEAL - Outside Type "8B2"; with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)



NOTE: Performance and dimensional data are preliminary only and subject to change. Consult Bell & Gossett pump marketing for additional information.



FLANGE DIMENSIONS IN INCHES (MM)			
	SIZE	THICKNESS	O. D.
Discharge	14" (356)	2-1/8 (54)	23-3/8 (594)
Suction	14" (356)	2-1/8 (54)	23-3/8 (594)

DIMENSIONS - Inches (mm)

TC SHAFT MOTORS

MOTOR FRAME	A	B	C	D	G	F	E	H	125# ANSI			250# ANSI			R	V (Min)
									J	N	P	J	N	P		
364TC	27 (686)	52 (1321)	14-1/16 (357)	20-1/2 (521)	13-7/8 (352)	27 (686)	28-11/16 (729)	69-9/16 (1767)	18-3/4 (476)	12	1-1/8 (29)	20-1/4 (514)	20	1-1/4 (32)	17-1/2 (445)	6-7/8 (175)
365TC	27 (686)	52 (1321)	14-1/16 (357)	20-1/2 (521)	13-7/8 (352)	27 (686)	28-11/16 (729)	69-9/16 (1767)	18-3/4 (476)	12	1-1/8 (29)	20-1/4 (514)	20	1-1/4 (32)	17-1/2 (445)	6-7/8 (175)
404TC	27 (686)	52 (1321)	14-1/16 (357)	20-1/2 (521)	13-7/8 (352)	27 (686)	32-1/2 (826)	73-3/8 (1864)	18-3/4 (476)	12	1-1/8 (29)	20-1/4 (514)	20	1-1/4 (32)	18-7/16 (468)	8-1/4 (210)
405TC	27 (686)	52 (1321)	14-1/16 (357)	20-1/2 (521)	13-7/8 (352)	27 (686)	32-1/2 (826)	73-3/8 (1864)	18-3/4 (476)	12	1-1/8 (29)	20-1/4 (514)	20	1-1/4 (32)	18-7/16 (468)	8-1/4 (210)
444TC	27 (686)	52 (1321)	14-1/16 (357)	20-1/2 (521)	13-7/8 (352)	28-1/4 (718)	47-7/8 (1216)	90 (2286)	18-3/4 (476)	12	1-1/8 (29)	20-1/4 (514)	20	1-1/4 (32)	22-11/16 (576)	9-1/2 (241)
445TC	27 (686)	52 (1321)	14-1/16 (357)	20-1/2 (521)	13-7/8 (352)	28-1/4 (718)	47-7/8 (1216)	90 (2286)	18-3/4 (476)	12	1-1/8 (29)	20-1/4 (514)	20	1-1/4 (32)	22-11/16 (576)	9-1/2 (241)
447TC	27 (686)	52 (1321)	14-1/16 (357)	20-1/2 (521)	13-7/8 (352)	28-1/4 (718)	47-7/8 (1216)	90 (2286)	18-3/4 (476)	12	1-1/8 (29)	20-1/4 (514)	20	1-1/4 (32)	22-11/16 (576)	9-1/2 (241)
449TC	27 (686)	52 (1321)	14-1/16 (357)	20-1/2 (521)	13-7/8 (352)	28-1/4 (718)	47-7/8 (1216)	90 (2286)	18-3/4 (476)	12	1-1/8 (29)	20-1/4 (514)	20	1-1/4 (32)	22-11/16 (576)	9-1/2 (241)

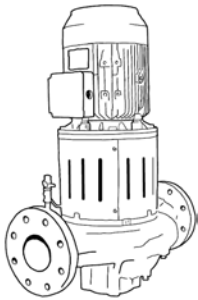
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14x14x14 Series 80®-SC

Spacer Coupled Vertical
In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW _____ HEAD _____

HP _____ RPM _____

VOLTS _____

CYCLE _____ PHASE _____

ENCLOSURE _____

APPROX. WEIGHT _____

SPECIALS _____

MATERIALS OF CONSTRUCTION

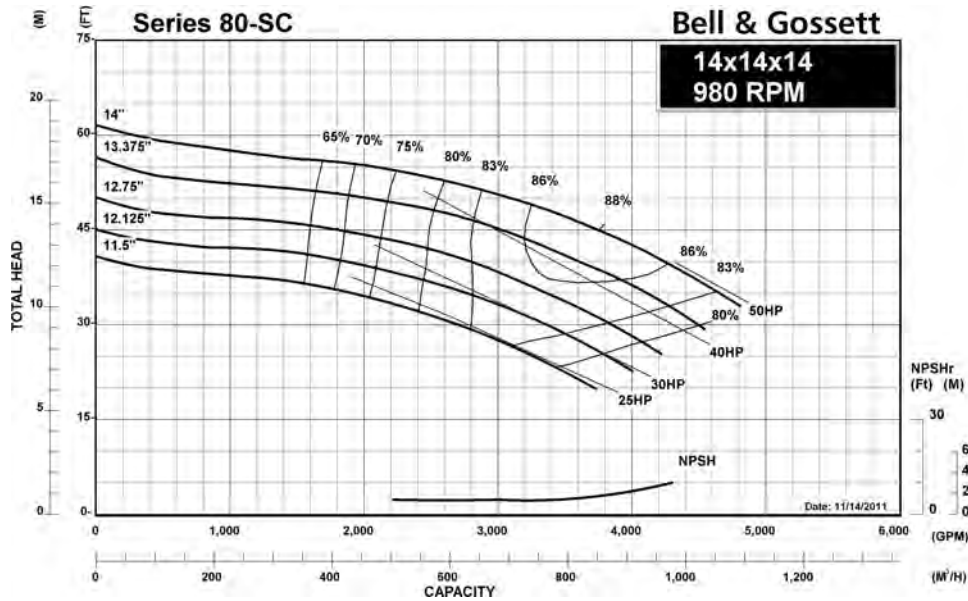
BRONZE FITTED

WORKING PRESSURE

- 175 psi (12 bar) W.P. with 125# ANSI flange drilling
- 250 psi (17 bar) W.P. with 250# ANSI flange drilling

TYPE OF SEAL

- STANDARD SEAL - Inside Unitized with flush line (EPR/Carbon-Ceramic)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)
- OPTIONAL SEAL - Inside Unitized with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 250 psi (17 bar)
- OPTIONAL SEAL - Outside Type "8B2"; with flush line (EPR/Carbon-Tungsten Carbide)
Temp. range -20° to +250°F. (-29° to 121°C)
Maximum pressure is 175 psi (12 bar)



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