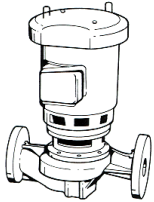


JOB:	REPRESENTATIVE:	
UNIT TAG:	ORDER NO.	DATE:
ENGINEER:	SUBMITTED BY:	DATE:
CONTRACTOR:	APPROVED BY:	DATE:



5x5x9¹/₂ Series 80[®] In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

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

MATERIALS OF CONSTRUCTION

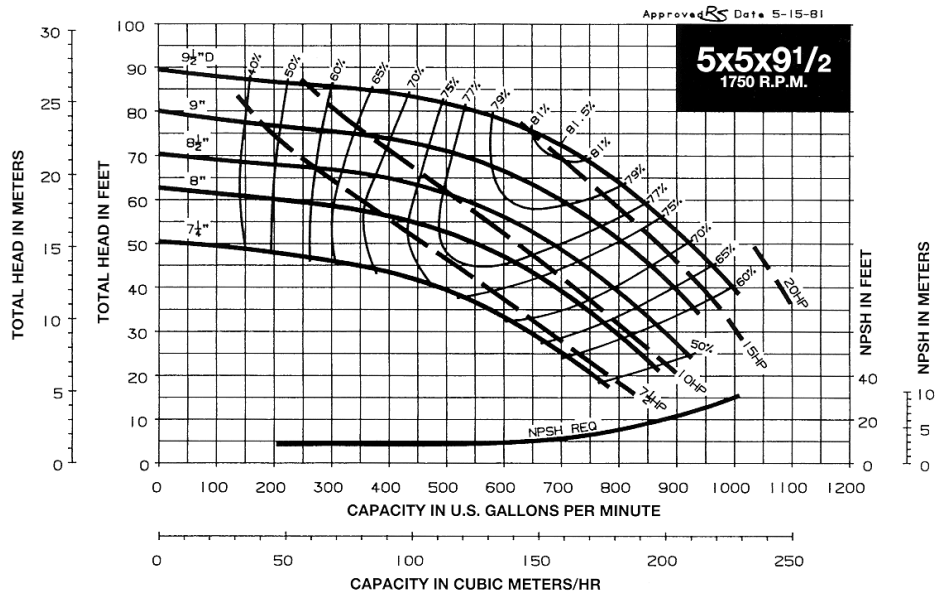
BRONZE FITTED ALL IRON

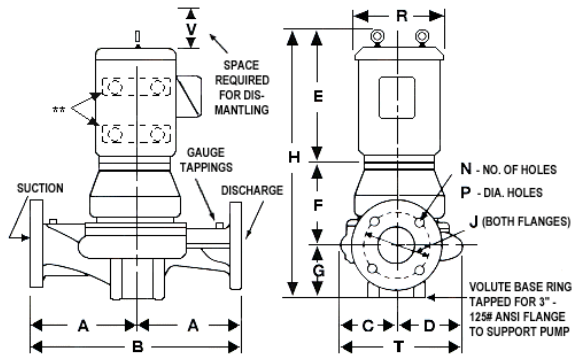
MAXIMUM WORKING PRESSURE

175 psi (12 bar) W.P.
with 125# ANSI flange drilling
 250 psi (17 bar) W.P.
with 250# ANSI flange drilling (requires 80-S)

TYPE OF SEAL

80 Standard Seal
(Buna-Carbon/Ceramic)
 80 -F Standard Seal w/ Flush Line
(Buna-Carbon/Ceramic)
 80 -S Stuffing Box construction w/ Flushed
Mechanical Single Seal
(EPR-Tungsten Carbide/Carbon)
 80 -D Stuffing Box construction w/ Flushed
Double Mechanical Seal
(EPR-Carbon/Ceramic)
Requires external water source
 80 -PF Stuffing Box Construction
w/ Flushed Packing
(Graphite Impregnated PTFE)





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)

FLANGES ARE 125# ANSI - STANDARD
250# ANSI - AVAILABLE

** Motor may be supplied with feet

DIMENSIONS - Inches (mm)

STANDARD SEAL 80, 80-F

MOTOR FRAME	A	B	C	D	E (Max)	F	G	H (Max)	125# ANSI			250# ANSI			R	S (Max)*	T	V (Min)
									J	N	P	J	N	P				
213	14-1/2 (368)	29 (737)	7-3/8 (187)	9 (229)	19-1/4 (489)	5-1/8 (130)	7 (178)	31-3/8 (797)	8-1/2 (216)	8 (203)	7/8 (22)	9-1/4 (235)	8 (203)	7/8 (22)	14 (356)	-	16-3/8 (416)	5 (127)
215	14-1/2 (368)	29 (737)	7-3/8 (187)	9 (229)	19-1/4 (489)	5-1/8 (130)	7 (178)	31-3/8 (797)	8-1/2 (216)	8 (203)	7/8 (22)	9-1/4 (235)	8 (203)	7/8 (22)	14 (356)	-	16-3/8 (416)	5 (127)
254	14-1/2 (368)	29 (737)	7-3/8 (187)	9 (229)	24-1/8 (613)	9 (229)	7 (178)	40-1/8 (1019)	8-1/2 (216)	8 (203)	7/8 (22)	9-1/4 (235)	8 (203)	7/8 (22)	17 (432)	-	16-3/8 (416)	5 (127)
256	14-1/2 (368)	29 (737)	7-3/8 (187)	9 (229)	24-1/8 (613)	9 (229)	7 (178)	40-1/8 (1019)	8-1/2 (216)	8 (203)	7/8 (22)	9-1/4 (235)	8 (203)	7/8 (22)	17 (432)	-	16-3/8 (416)	5 (127)

STUFFING BOX 80-PF, 80-S, 80-D

MOTOR FRAME	A	B	C	D	E (Max)	F	G	H (Max)	125# ANSI			250# ANSI			R	S (Max)*	T	V (Min)
									J	N	P	J	N	P				
213	14-1/2 (368)	29 (737)	7-3/8 (187)	9 (229)	19-1/4 (489)	9 (229)	7 (178)	35-1/4 (895)	8-1/2 (216)	8 (203)	7/8 (22)	9-1/4 (235)	8 (203)	7/8 (22)	14 (356)	-	16-3/8 (416)	5 (127)
215	14-1/2 (368)	29 (737)	7-3/8 (187)	9 (229)	19-1/4 (489)	9 (229)	7 (178)	35-1/4 (895)	8-1/2 (216)	8 (203)	7/8 (22)	9-1/4 (235)	8 (203)	7/8 (22)	14 (356)	-	16-3/8 (416)	5 (127)
254	14-1/2 (368)	29 (737)	7-3/8 (187)	9 (229)	24-1/8 (613)	9 (229)	7 (178)	40-1/8 (1019)	8-1/2 (216)	8 (203)	7/8 (22)	9-1/4 (235)	8 (203)	7/8 (22)	17 (432)	-	16-3/8 (416)	5 (127)
256	14-1/2 (368)	29 (737)	7-3/8 (187)	9 (229)	24-1/8 (613)	9 (229)	7 (178)	40-1/8 (1019)	8-1/2 (216)	8 (203)	7/8 (22)	9-1/4 (235)	8 (203)	7/8 (22)	17 (432)	-	16-3/8 (416)	5 (127)

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

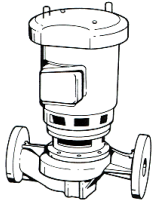
NOTE: For 1 phase Motors add 1" to dimensions E & H.

*For TEFC Motors add S dimension to dimensions E& H.

Xylem Inc.
8200 N. Austin Avenue
Morton Grove, IL 60053
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JOB: UNIT TAG: ENGINEER: CONTRACTOR:	REPRESENTATIVE: ORDER NO.: SUBMITTED BY: APPROVED BY:	DATE: DATE: DATE:
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5x5x9¹/₂ Series 80[®] In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

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

MATERIALS OF CONSTRUCTION

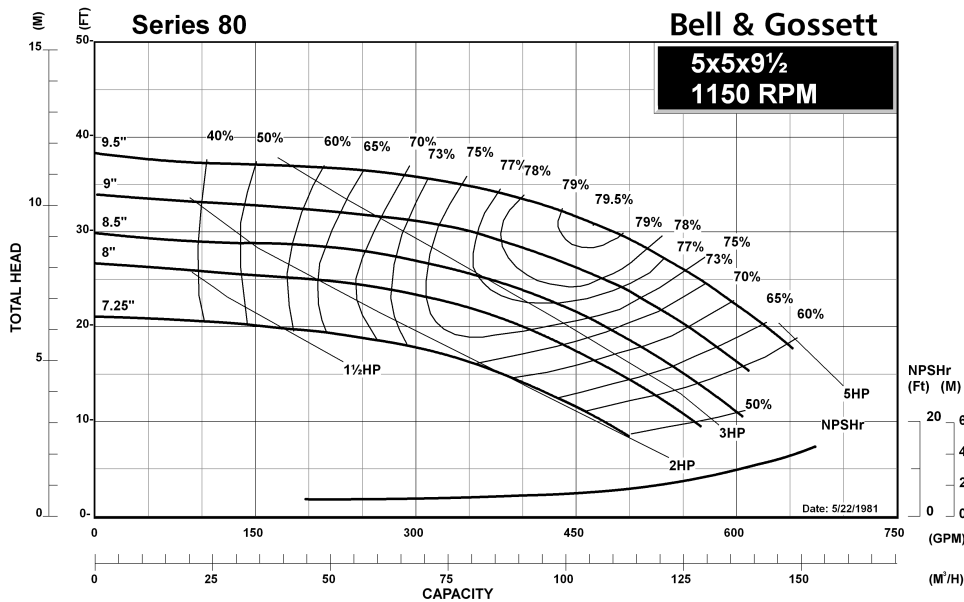
BRONZE FITTED ALL IRON

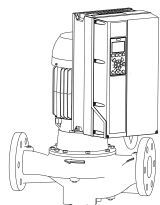
MAXIMUM WORKING PRESSURE

175 psi (12 bar) W.P.
with 125# ANSI flange drilling
 250 psi (17 bar) W.P.
with 250# ANSI flange drilling (requires 80-S)

TYPE OF SEAL

- 80 Standard Seal
(Buna-Carbon/Ceramic)
- 80 -F Standard Seal w/ Flush Line
(Buna-Carbon/Ceramic)
- 80 -S Stuffing Box construction w/ Flushed
Mechanical Single Seal
(EPR-Tungsten Carbide/Carbon)
- 80 -D Stuffing Box construction w/ Flushed
Double Mechanical Seal
(EPR-Carbon/Ceramic)
Requires external water source
- 80 -PF Stuffing Box Construction
w/ Flushed Packing
(Graphite Impregnated PTFE)

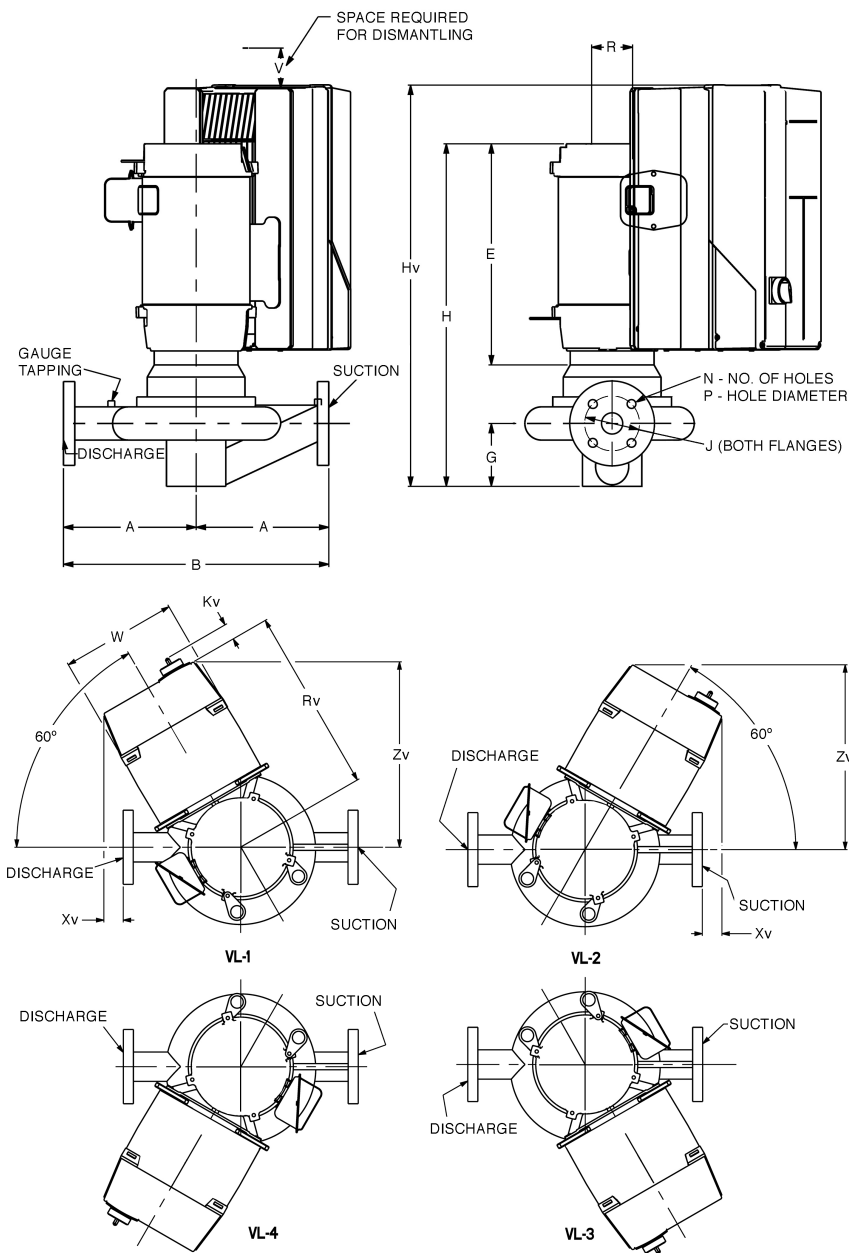




5x5x9¹/₂ Series 80[®]

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

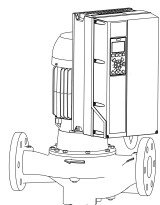
TECHNOLOGIC STANDARD FEATURES	
CONTROL METHOD	Constant Pressure, Linear Control Curve, Quadratic Control Curve Factory configured for sensorless operation standard. Field configurable for use with a wired transducer.
ENCLOSURE	IP55 / NEMA 12 / UL type 12
POWER DISCONNECT SWITCH	Included standard. Fused 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[®]

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

DIMENSIONS – Inches (mm)

STANDARD SEAL 80, 80-F

MOTOR FRAME	A	B	E (Max)	G	H (Max)	125# ANSI			250# ANSI			R	VFD	Rv	Zv	W	Hv	Xv
						J	N	P	J	N	P							
213	14-1/2 (368)	29 (737)	19-1/4 (489)	7 (178)	31-3/8 (797)	8-1/2 (216)	8 (203)	7/8 (22)	9-1/4 (235)	8 (203)	7/8 (22)	14 (356)	A5	13-17/32 (344)	13-53/64 (351)	9-1/2 (241)	33-61/64 (863)	4-1/16 (103)
													B1	15-53/64 (402)	15-27/32 (402)	9-1/2 (241)	35-35/64 (903)	2-7/8 (73)
215	14-1/2 (368)	29 (737)	19-1/4 (489)	7 (178)	31-3/8 (797)	8-1/2 (216)	8 (203)	7/8 (22)	9-1/4 (235)	8 (203)	7/8 (22)	14 (356)	A5	13-17/32 (344)	13-53/64 (351)	9-1/2 (241)	32-31/64 (825)	4-1/16 (103)
													B1	15-53/64 (402)	15-27/32 (402)	9-1/2 (241)	34-1/64 (864)	2-7/8 (73)
254	14-1/2 (368)	29 (737)	24-1/8 (613)	7 (178)	40-1/8 (1019)	8-1/2 (216)	8 (203)	7/8 (22)	9-1/4 (235)	8 (203)	7/8 (22)	17 (432)	B1	16-53/64 (427)	16-45/64 (424)	9-1/2 (241)	43-1/8 (1095)	2-3/8 (61)
256	14-1/2 (368)	29 (737)	24-1/8 (613)	7 (178)	40-1/8 (1019)	8-1/2 (216)	8 (203)	7/8 (22)	9-1/4 (235)	8 (203)	7/8 (22)	17 (432)	B1	16-53/64 (427)	16-45/64 (424)	9-1/2 (241)	42-1/2 (1079)	2-3/8 (61)
													B2	16-53/64 (427)	16-45/64 (424)	9-1/2 (241)	46-61/64 (1193)	2-3/8 (61)

STUFFING BOX 80-PF, 80-S, 80-D

MOTOR FRAME	A	B	E (Max)	G	H (Max)	125# ANSI			250# ANSI			R	VFD	Rv	Zv	W	Hv	Xv
						J	N	P	J	N	P							
213	14-1/2 (368)	29 (737)	19-1/4 (489)	7 (178)	35-1/4 (895)	8-1/2 (216)	8 (203)	7/8 (22)	9-1/4 (235)	8 (203)	7/8 (22)	14 (356)	A5	13-17/32 (344)	13-53/64 (351)	9-1/2 (241)	37-53/64 (961)	4-1/16 (103)
													B1	15-53/64 (402)	15-27/32 (402)	9-1/2 (241)	39-27/64 (1001)	2-7/8 (73)
215	14-1/2 (368)	29 (737)	19-1/4 (489)	7 (178)	35-1/4 (895)	8-1/2 (216)	8 (203)	7/8 (22)	9-1/4 (235)	8 (203)	7/8 (22)	14 (356)	A5	13-17/32 (344)	13-53/64 (351)	9-1/2 (241)	36-23/64 (924)	4-1/16 (103)
													B1	15-53/64 (402)	15-27/32 (402)	9-1/2 (241)	37-57/64 (963)	2-7/8 (73)
254	14-1/2 (368)	29 (737)	24-1/8 (613)	7 (178)	40-1/8 (1019)	8-1/2 (216)	8 (203)	7/8 (22)	9-1/4 (235)	8 (203)	7/8 (22)	17 (432)	B1	16-53/64 (427)	16-45/64 (424)	9-1/2 (241)	43-1/8 (1095)	2-3/8 (61)
256	14-1/2 (368)	29 (737)	24-1/8 (613)	7 (178)	40-1/8 (1019)	8-1/2 (216)	8 (203)	7/8 (22)	9-1/4 (235)	8 (203)	7/8 (22)	17 (432)	B1	16-53/64 (427)	16-45/64 (424)	9-1/2 (241)	42-1/2 (1079)	2-3/8 (61)
													B2	16-53/64 (427)	16-45/64 (424)	9-1/2 (241)	46-61/64 (1193)	2-3/8 (61)

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