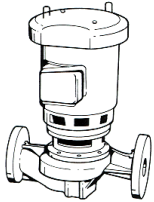


JOB: UNIT TAG: ENGINEER: CONTRACTOR:	REPRESENTATIVE: ORDER NO.: SUBMITTED BY: APPROVED BY:	DATE: DATE: DATE:
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4x4x9¹/₂

Series 80[®]

In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW _____ HEAD _____

HP _____ RPM _____

VOLTS _____

CYCLE _____ PHASE _____

ENCLOSURE _____

APPROX. WEIGHT _____

SPECIALS _____

MATERIALS OF CONSTRUCTION

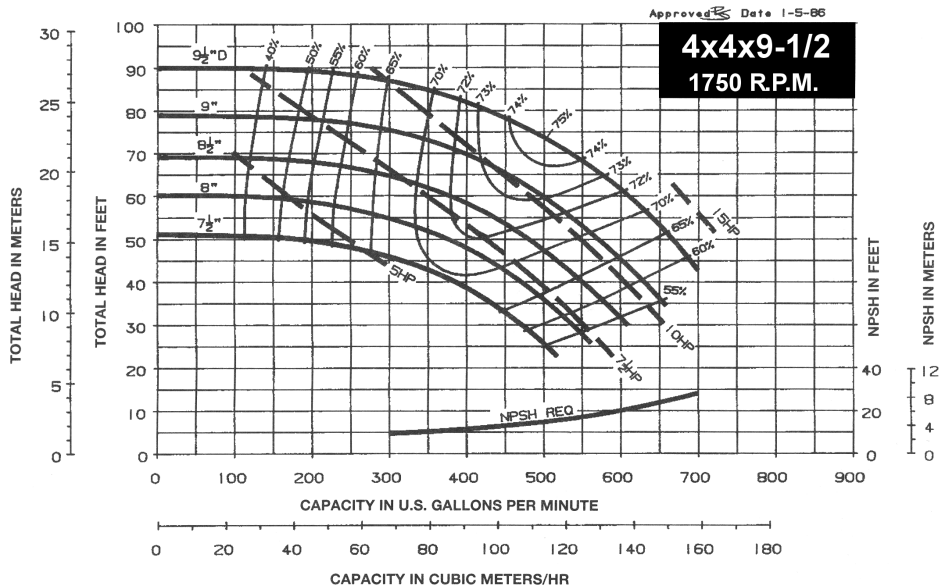
BRONZE FITTED ALL IRON

MAXIMUM WORKING PRESSURE

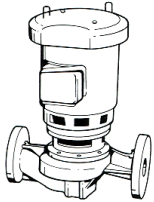
- 175 psi (12 bar) W.P. with 125# ANSI flange drilling
- 250 psi (17 bar) W.P. with 250# ANSI flange drilling (requires 80-S)
- 300 psi (21 bar) W.P. with 250# ANSI flange drilling (EPR-Sintered Silicon Carbide-Sintered Silicon Carbide) Requires 80-S

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)



<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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4x4x9¹/₂ Series 80[®]

In-Line Mounted Centrifugal Pumps

SPECIFICATIONS

FLOW _____ HEAD _____

HP _____ RPM _____

VOLTS _____

CYCLE _____ PHASE _____

ENCLOSURE _____

APPROX. WEIGHT _____

SPECIALS _____

MATERIALS OF CONSTRUCTION

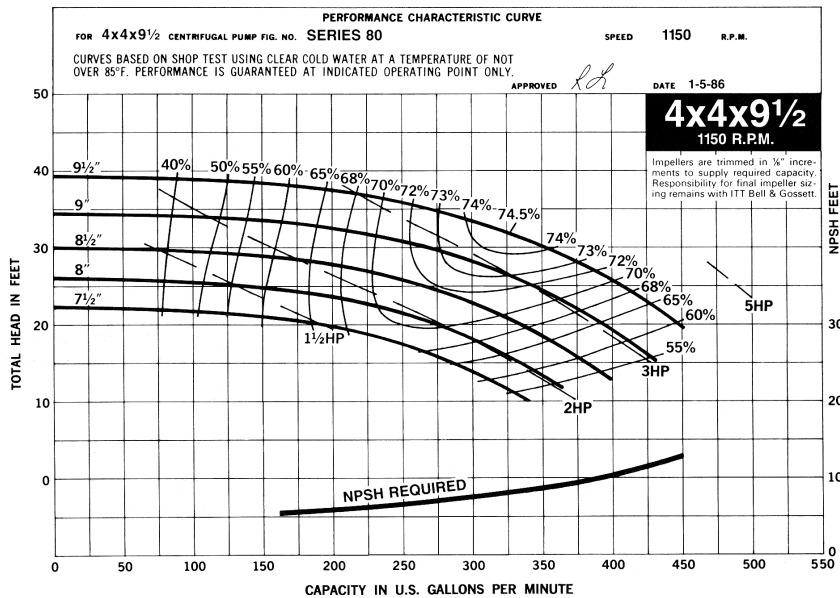
- BRONZE FITTED ALL IRON

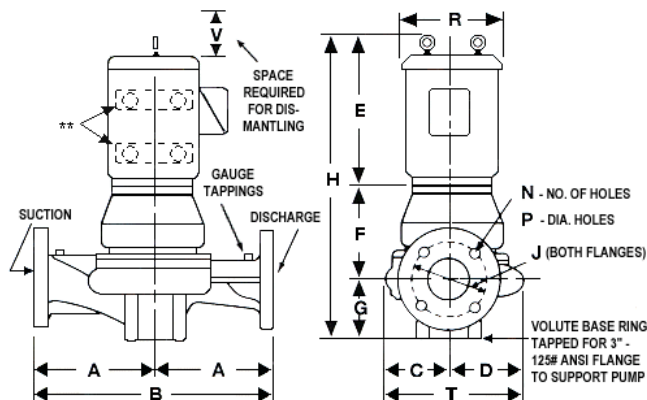
MAXIMUM WORKING PRESSURE

- 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)
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- 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	4"	1-1/4 (32)	9-1/2 (241)
Suction	4"	1-1/4 (32)	9-1/2 (241)

** 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				
182	12-1/2 (318)	25 (635)	7-1/4 (184)	8-1/2 (216)	15-5/16 (389)	5-1/8 (130)	7-1/8 (181)	27-9/16 (700)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	11-3/4 (298)	1 (25)	15-3/4 (400)	5 (127)
184	12-1/2 (318)	25 (635)	7-1/4 (184)	8-1/2 (216)	15-5/16 (389)	5-1/8 (130)	7-1/8 (181)	27-9/16 (700)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	11-3/4 (298)	1 (25)	15-3/4 (400)	5 (127)
213	12-1/2 (318)	25 (635)	7-1/4 (184)	8-1/2 (216)	19-1/4 (489)	5-1/8 (130)	7-1/8 (181)	31-1/2 (800)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	14 (356)	-	15-3/4 (400)	5 (127)
215	12-1/2 (318)	25 (635)	7-1/4 (184)	8-1/2 (216)	19-1/4 (489)	5-1/8 (130)	7-1/8 (181)	31-1/2 (800)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	14 (356)	-	15-3/4 (400)	5 (127)
254	12-1/2 (318)	25 (635)	7-1/4 (184)	8-1/2 (216)	24-1/8 (613)	9 (229)	7-1/8 (181)	40-1/4 (1022)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	17 (432)	-	15-3/4 (400)	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				
182	12-1/2 (318)	25 (635)	7-1/4 (184)	8-1/2 (216)	15-5/16 (389)	8-1/4 (210)	7-1/8 (181)	30-11/16 (779)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	11-3/4 (298)	1 (25)	15-3/4 (400)	5 (127)
184	12-1/2 (318)	25 (635)	7-1/4 (184)	8-1/2 (216)	15-5/16 (389)	8-1/4 (210)	7-1/8 (181)	30-11/16 (779)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	11-3/4 (298)	1 (25)	15-3/4 (400)	5 (127)
213	12-1/2 (318)	25 (635)	7-1/4 (184)	8-1/2 (216)	19-1/4 (489)	9 (229)	7-1/8 (181)	35-3/8 (899)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	14 (356)	-	15-3/4 (400)	5 (127)
215	12-1/2 (318)	25 (635)	7-1/4 (184)	8-1/2 (216)	19-1/4 (489)	9 (229)	7-1/8 (181)	35-5/8 (905)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	14 (356)	-	15-3/4 (400)	5 (127)
254	12-1/2 (318)	25 (635)	7-1/4 (184)	8-1/2 (216)	24-1/8 (613)	9 (229)	7-1/8 (181)	40-1/4 (1022)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	17 (432)	-	15-3/4 (400)	5 (127)

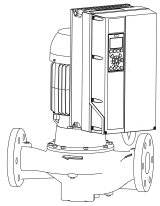
Dimensions are subject to change. Not to be used for construction purposes unless certified.

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
 Phone: (847)966-3700
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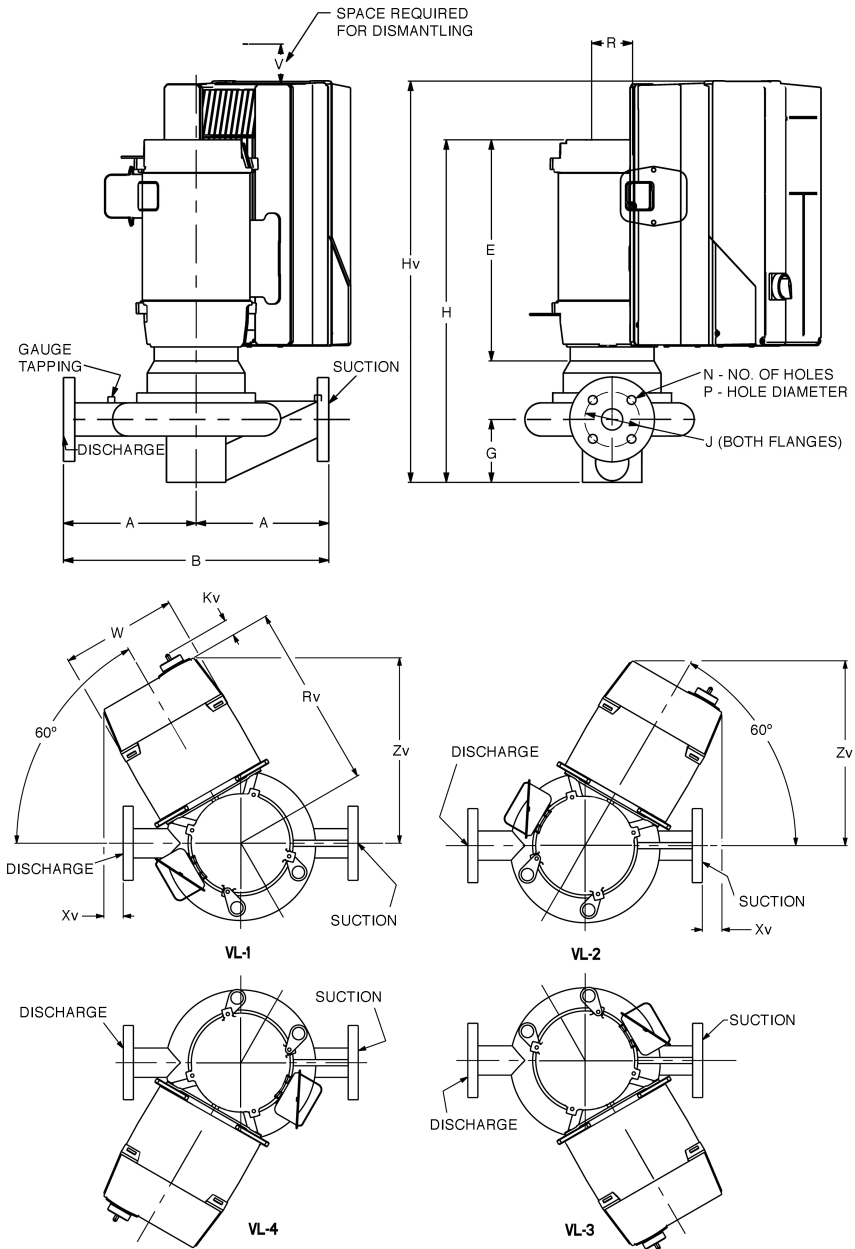




4x4x9¹/₂ Series 80[®]

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

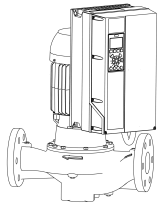
TECHNOLOGIC STANDARD FEATURES	
CONTROL METHOD	Constant Pressure, Linear Control Curve, Quadratic Control Curve Factory configured for sensorless operation standard. Field configurable for use with a wired transducer.
ENCLOSURE	IP55 / NEMA 12 / UL type 12
POWER DISCONNECT SWITCH	Included standard. Fused 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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Morton Grove, IL 60053
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4x4x9¹/₂ 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							
182	12-1/2 (318)	25 (635)	15-5/16 (389)	7-1/8 (181)	27-9/16 (700)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	11-3/4 (298)	A5	12-25/32 (324)	13-3/16 (335)	9-1/2 (241)	30-23/32 (780)	2-7/16 (62)
184	12-1/2 (318)	25 (635)	15-5/16 (389)	7-1/8 (181)	27-9/16 (700)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	11-3/4 (298)	A5	12-25/32 (324)	13-3/16 (335)	9-1/2 (241)	30-23/32 (780)	2-7/16 (62)
213	12-1/2 (318)	25 (635)	19-1/4 (489)	7-1/8 (181)	31-1/2 (800)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	14 (356)	A5	13-17/32 (344)	13-53/64 (351)	9-1/2 (241)	34-5/64 (866)	2-1/16 (52)
													B1	15-53/64 (402)	15-27/32 (402)	9-1/2 (241)	35-43/64 (906)	7/8 (22)
215	12-1/2 (318)	25 (635)	19-1/4 (489)	7-1/8 (181)	31-1/2 (800)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	14 (356)	A5	13-17/32 (344)	13-53/64 (351)	9-1/2 (241)	32-39/64 (828)	2-1/16 (52)
													B1	15-53/64 (402)	15-27/32 (402)	9-1/2 (241)	34-9/64 (867)	7/8 (22)
254	12-1/2 (318)	25 (635)	24-1/8 (613)	7-1/8 (181)	40-1/4 (1022)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	17 (432)	B1	16-53/64 (427)	16-45/64 (424)	9-1/2 (241)	43-1/4 (1098)	3/8 (10)

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							
182	12-1/2 (318)	25 (635)	15-5/16 (389)	7-1/8 (181)	30-11/16 (779)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	11-3/4 (298)	A5	12-25/32 (324)	13-3/16 (335)	9-1/2 (241)	33-27/32 (859)	2-7/16 (62)
184	12-1/2 (318)	25 (635)	15-5/16 (389)	7-1/8 (181)	30-11/16 (779)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	11-3/4 (298)	A5	12-25/32 (324)	13-3/16 (335)	9-1/2 (241)	33-27/32 (859)	2-7/16 (62)
213	12-1/2 (318)	25 (635)	19-1/4 (489)	7-1/8 (181)	35-3/8 (899)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	14 (356)	A5	13-17/32 (344)	13-53/64 (351)	9-1/2 (241)	37-61/64 (964)	2-1/16 (52)
													B1	15-53/64 (402)	15-27/32 (402)	9-1/2 (241)	39-35/64 (1005)	7/8 (22)
215	12-1/2 (318)	25 (635)	19-1/4 (489)	7-1/8 (181)	35-5/8 (905)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	14 (356)	A5	13-17/32 (344)	13-53/64 (351)	9-1/2 (241)	36-47/64 (933)	2-1/16 (52)
													B1	15-53/64 (402)	15-27/32 (402)	9-1/2 (241)	38-17/64 (972)	7/8 (22)
254	12-1/2 (318)	25 (635)	24-1/8 (613)	7-1/8 (181)	40-1/4 (1022)	7-1/2 (190)	8	3/4 (19)	7-7/8 (200)	8	7/8 (22)	17 (432)	B1	16-53/64 (427)	16-45/64 (424)	9-1/2 (241)	43-1/4 (1098)	3/8 (10)

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