


Wet-Rotor, In-Line, Single Stage Circulator Pumps
Submittal Data

	JOB or CUSTOMER:	
	ENGINEER:	
	CONTRACTOR:	
	SUBMITTED BY:	DATE:
	APPROVED BY:	DATE:
	ORDER NO:	DATE:
SPECIFICATION REF:		

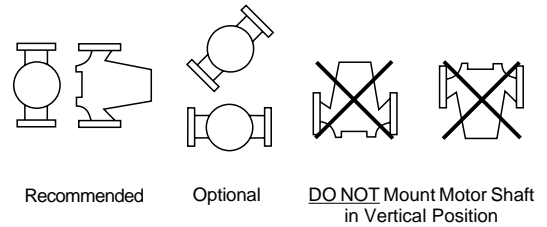
QUANTITY	TAG NO.	MODEL NO.	GPM	FEET	VOLT	PHASE	COMMENTS

Technical Data

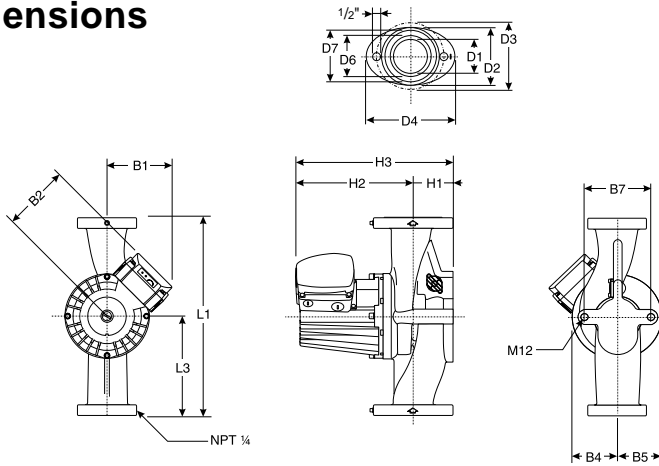
FLOW RANGE: 13 – 134 U.S. GPM
HEAD RANGE: 1 – 62 FT.
MAXIMUM WORKING PRESSURE: 145 PSI
FLANGES: 1 1/2", 2-Bolt with (2) 1/2" diameter holes
MINIMUM FLUID TEMPERATURE: 14°F (-10°C)
MAXIMUM FLUID TEMPERATURE (Open Systems): 140°F* (60°C)
MAXIMUM FLUID TEMPERATURE (Closed Systems): 230°F (110°C)
AMBIENT AIR TEMPERATURE: 32°F (0°C) to 104°F (40°C)
*** MAXIMUM TEMPERATURE:** 220°F, 104°C **NOTE:** It is recommended to keep the operating temperature as low as possible (i.e., below 140°F, 60°C to avoid precipitation of calcium).



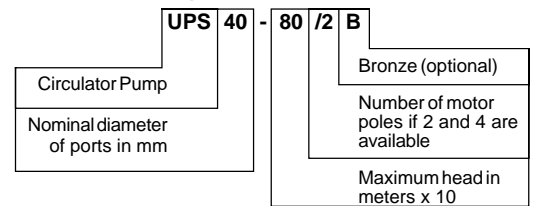
Mounting Positions



Dimensions



Type Designation



Weights

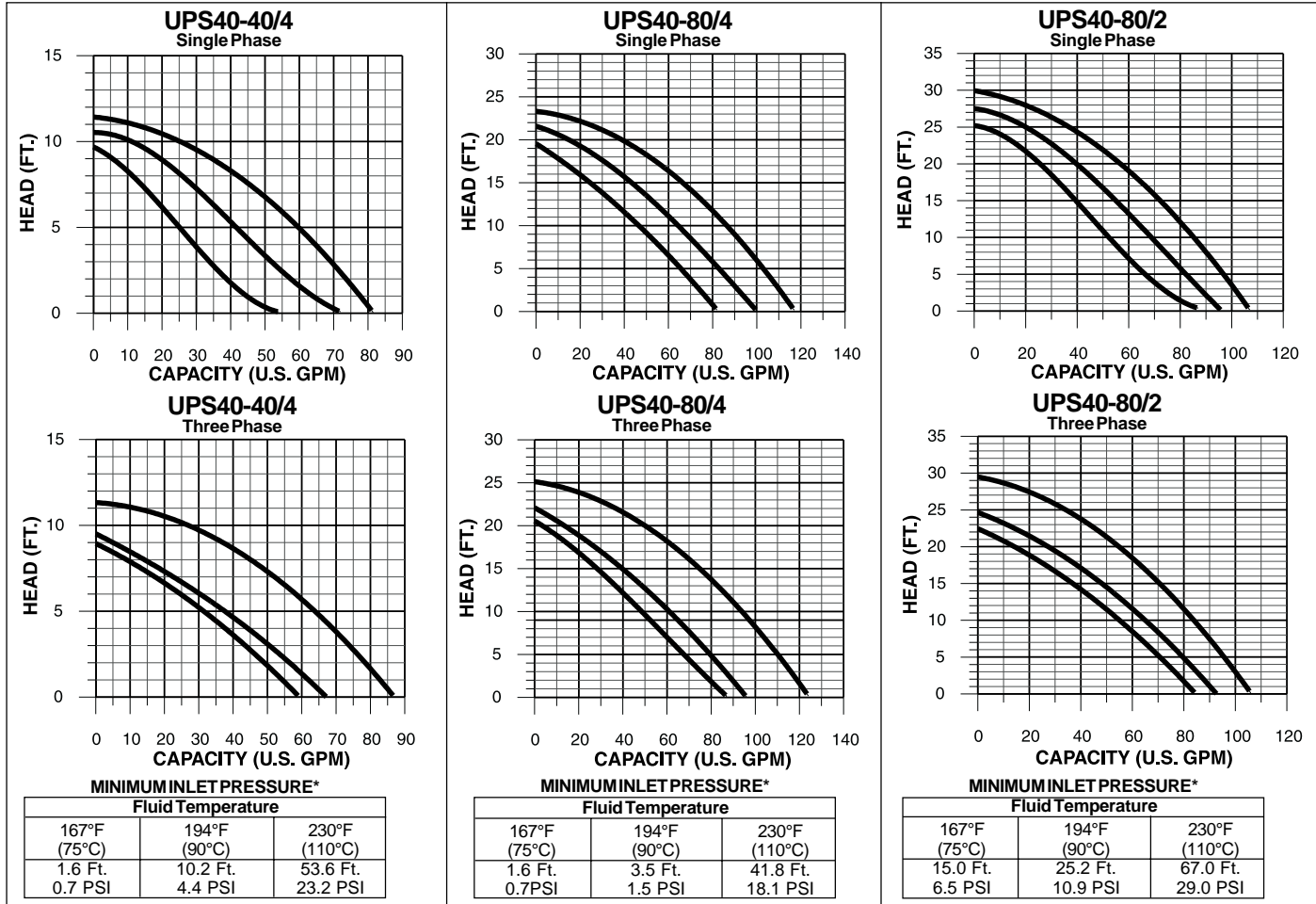
Pump Type	PH	Net Wt. (Lbs.)	Ship. Wt. (Lbs.)	Ship. Vol. (Cu. Ft.)
UPS40-40/4	1 & 3	39.5	42	1.63
UPS40-80/4	1	58	60.5	1.63
UPS40-80/4	3	47.5	50.5	1.63
UPS40-80/2	1 & 3	40	43	1.63
UPS40-160/2	1 & 3	45.5	48.5	1.63
UPS40-240/2	1	58	60.5	1.63
UPS40-240/2	3	54	57	1.63

Electrical Data and Dimensions

Pump Type	Nominal HP at Speed 3	PH	Voltage	Suc. Disc. Size	DIMENSIONS IN INCHES															
					L1	L3	B1	B2	B4	B5	B7	H1	H2	H3	D1	D2	D3	D4	D6	D7
UPS40-40/4	1/3	1	115 or 230	1 1/2	13 1/2	6 3/4	5 9/16	5 9/16	3 3/8	3	4 3/4	2 11/16	9 5/16	12	1 11/16	2 7/8	3 7/16	5	2 1/16	2 9/16
		3	208/230, 460*, 575*																	
UPS40-80/4	1/2	1	115 or 230	1 1/2	13 1/2	6 3/4	5 3/4	5 9/16	3 15/16	3 15/16	4 3/4	3	8 5/8	12	1 11/16	2 7/8	3 7/16	5	2 1/16	2 9/16
		3	208/230, 460*, 575*																	
UPS40-80/2	3/4	1	115 or 230	1 1/2	13 1/2	6 3/4	5 5/16	5 9/16	3	3	4 3/4	2 11/16	9 1/4	12	1 11/16	2 7/8	3 7/16	5	2 1/16	2 9/16
		3	208/230, 460*, 575*																	
UPS40-160/2	3/4	1	115 or 230	1 1/2	11 1/2	5 3/4	5 3/4	5 9/16	4	4	3 3/16	2 11/16	8 5/8	12	1 11/16	2 7/8	3 7/16	5	2 1/16	2 9/16
		3	208/230, 460*, 575*																	
UPS40-240/2	1 1/2	1	230	1 1/2	13 1/2	6 3/4	5 3/4	5 9/16	4	4	3 3/16	2 11/16	10 11/16	12	1 11/16	2 7/8	3 7/16	5	2 1/16	2 9/16
		3	208/230, 460*, 575*																	

NOTE: *460/575 volt models are two speed only—speeds 2 & 3.

Performance Curves (60 Hz – Single and Three Phase Models)



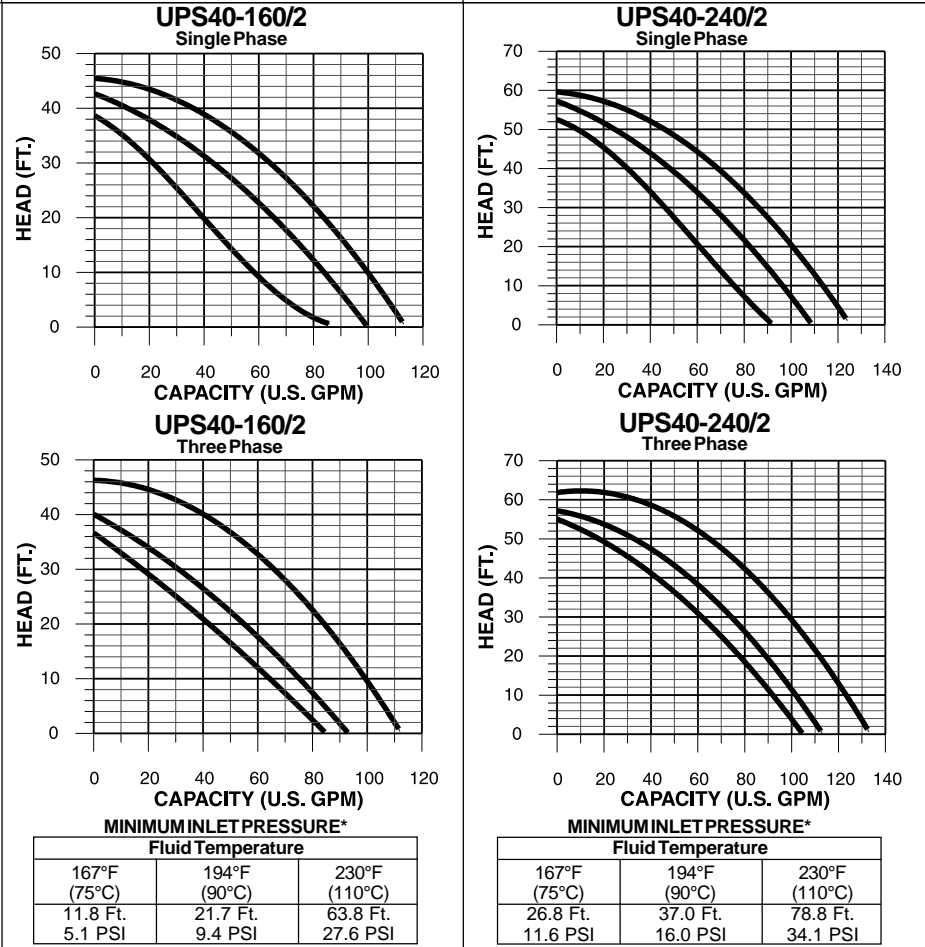
* Minimum gauge pressure required at the inlet (suction) to ensure effective, trouble-free operation. Varies by fluid temperature.

Materials of Construction

DESCRIPTION	MATERIAL
Impeller, Bearing Plate, Rotor Cladding, Rotor Can, Bearing Retainers	AISI 304 SS
Impeller Seal Ring	AISI 304 SS/Teflon®
Shaft (cast iron pumps), Inspection Screw Split Cone, Split Cone Nut	AISI 303 SS
Shaft (bronze pumps)	AISI 316 SS
Shaft Bearing Journals	Tungsten Carbide
Pump Housing* *Bronze – Optional	Cast Iron ASTM GG25 35B-40B
Stator Housing	Aluminum AISI 10Cu2
Rotor End Caps	Copper or Brass
Upper and Lower Radial Bearings	Ceramic Al2O3
Thrust Bearing	Carbon MY106
O-Rings	EPDM
Terminal Box, Nameplate	Composite PA66
Plug for Sensor	Composite PPS, GF40

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Teflon® is a registered trademark of Dupont.



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Leaders in Pump Technology

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