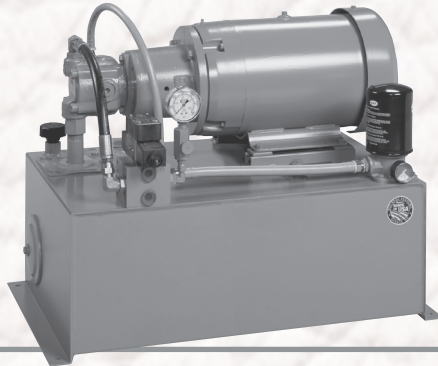
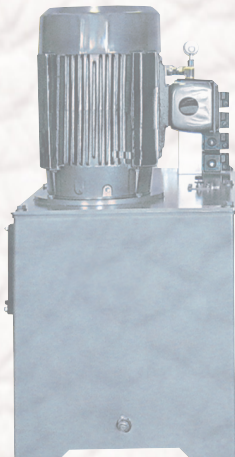
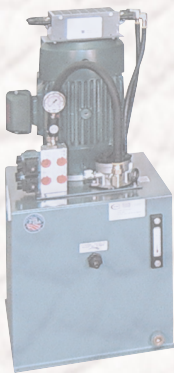




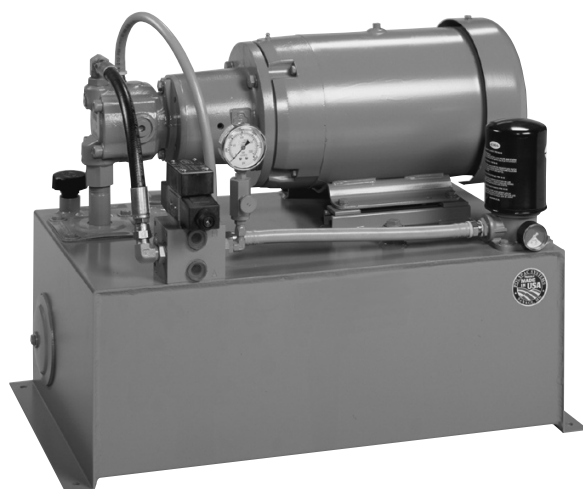
Catalog Low Profile Hydraulic Power Units



Low Profile Power Units

10 TO 30 GALLON CAPACITY

General Specifications/Table of Contents



Low Profile Power Units are designed for use in locations where space is at a premium, or where the power of a NFPA/JIC-Style unit is needed in a smaller, less expensive package. They're ideal for industrial applications requiring moderate fluid volume and flow rate.

Typical applications include use with:

- Test Benches
- Machine Tools and Packaging Equipment
- Clamping Equipment
- Drilling Equipment

Low Profile Power Units are the perfect choice for demanding industrial applications where heat buildup is unlikely, and compact installation is a must.

GENERAL SPECIFICATIONS	W10	W20	W30
Reservoir Capacity	10 Gal. (37.8 liters)	20 Gal.(75.7 liters)	30 Gal.(112.7 liters)
Surface Area For Heat Transfer	4.96 sq. ft. (4607.8 cm ²)	7.64 sq. ft. (7097.6 cm ²)	9.58 sq. ft. (8899.8 cm ²)
Heat Dissipation At ΔT	Sq. Ft. of Vertical Steel x ΔT / 1000		
Basic Weight (Less Oil, Pump, and Motor)	129 lbs. (58.5 kg)	183 lbs. (83. 0 kg)	243 lbs. (110.2 kg)
Usable Gallons	5.46 Gal. (20.7 liters)	7.62 Gal. (28.8 liters)	11.1 Gal. (42.0 liters)
Gallons Per Inch Rise	1.77 Gal.	2.47 Gal.	3.60 Gal.
Capacity, Full to Top Plate	14.08 Gal. (53.3 liters)	13.31 Gal. (50.4 liters)	19.34 Gal. (73.2 liters)
Pump Data (See Continental Hydraulics VANE PUMP CATALOG for complete codes and specifications.)			
Flow Range	Up to 11 gpm (41.6 lpm)	Up to 11 gpm (41.6 lpm)	Up to 11 gpm (41.6 lpm)
Pressure Range	Up to 3000 psi (207 bar)	Up to 3000 psi (207 bar)	Up to 3000 psi (207 bar)
Power Range	Up to 10 HP (7.5 kW)	Up to 10 HP (7.5 kW)	Up to 10 HP (7.5 kW)

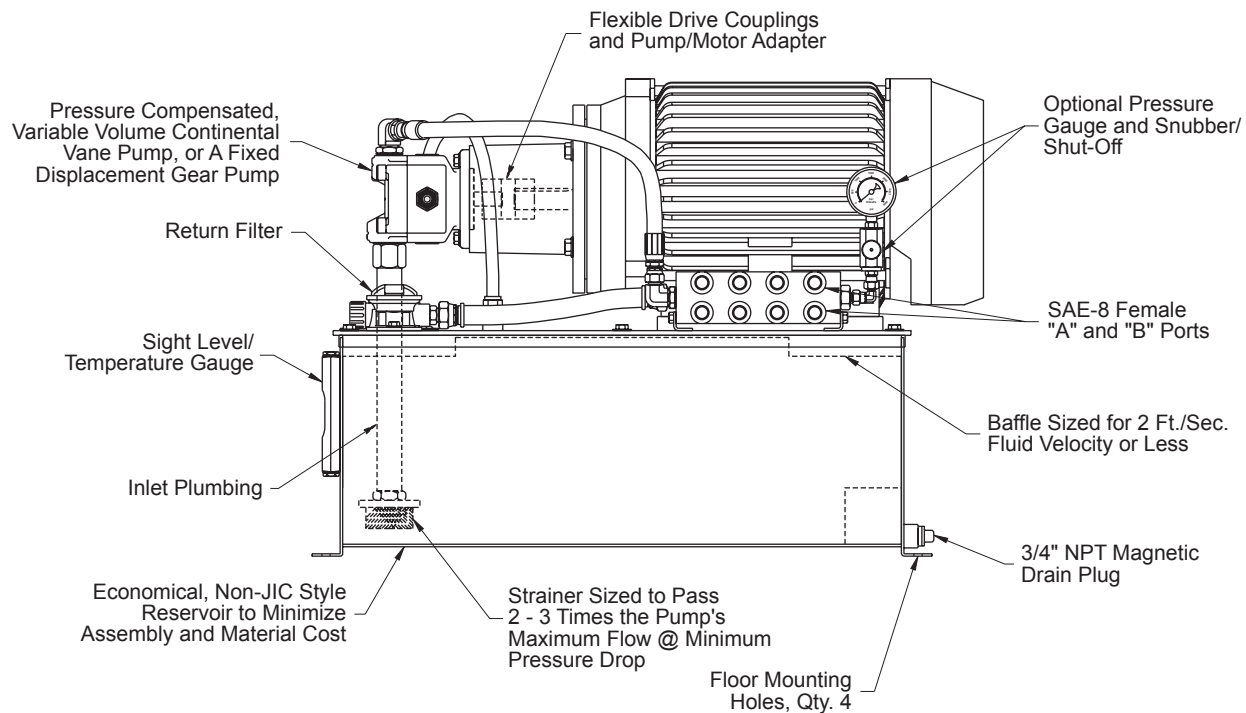
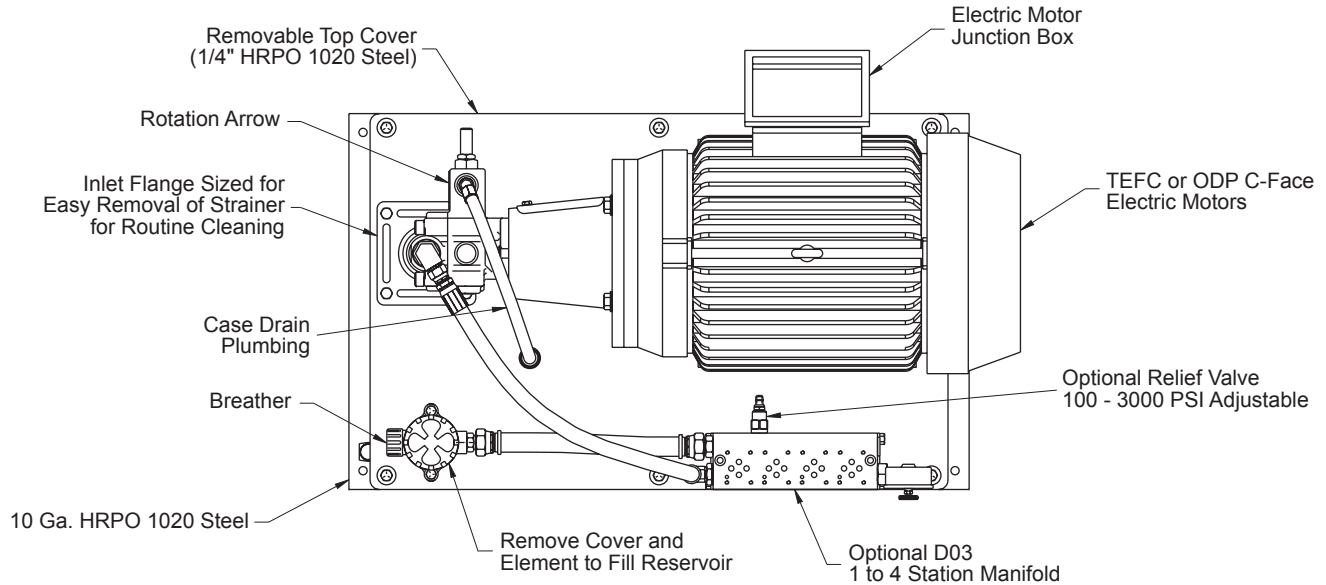
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Low Profile Power Units

10 TO 30 GALLON CAPACITY

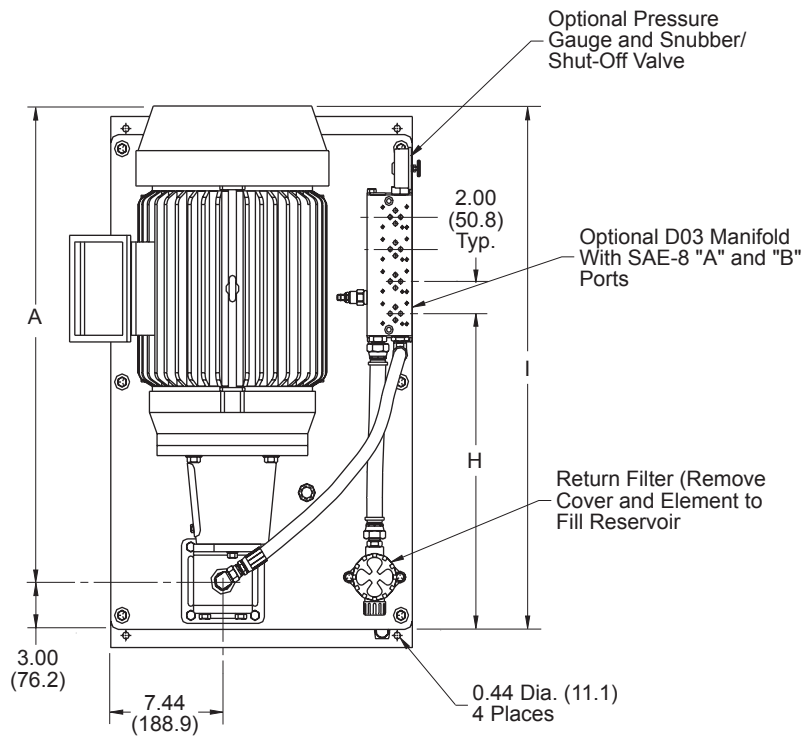
Features



Low Profile Power Units

10 TO 30 GALLON CAPACITY

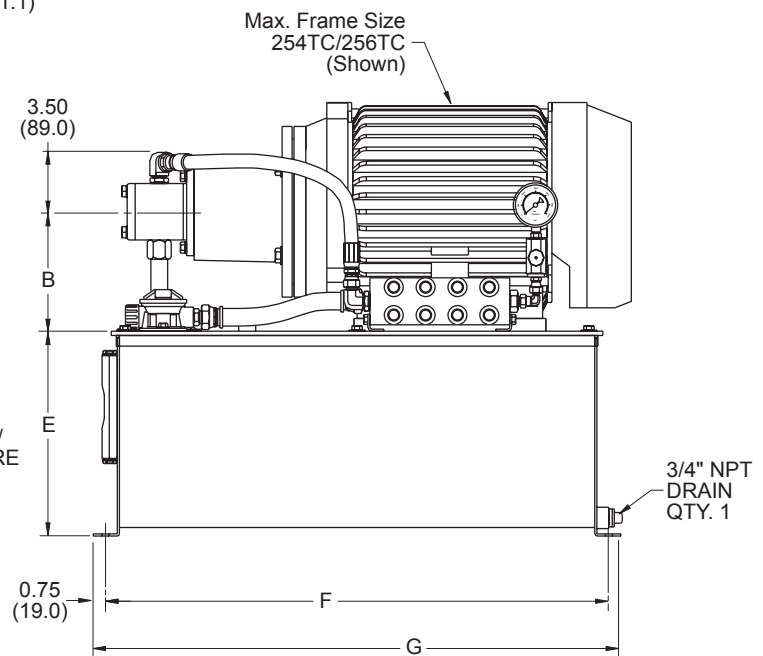
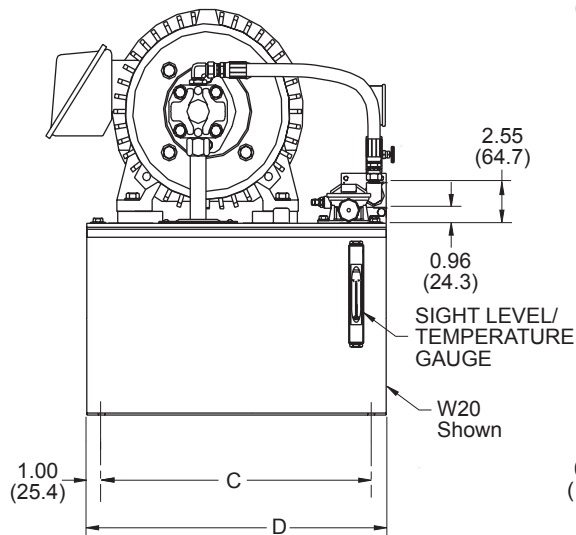
Dimension Drawing - Power Unit With Gear Pump



Dimensions shown in: Inches ($\pm .125$)
(millimeters (± 1 mm))

Dimensions A and B

Motor Frame	H.P.	A ($\pm .125$)	B
143TC	1	16.38 (416.1)	4.75 (120.6)
145TC	1.5	16.38 (416.1)	4.75 (120.6)
145TC	2	16.38 (416.1)	4.75 (120.6)
182TC	3	19.25 (463.5)	5.75 (146.0)
184TC	5	19.25 (488.9)	5.75 (146.0)
213TC	7.5	21.38 (543.1)	6.50 (165.1)
215TC	10	22.86 (580.6)	6.50 (165.1)
254TC	15	26.50 (673.1)	7.00 (177.8)
256TC	20	28.25 (717.6)	7.00 (177.8)



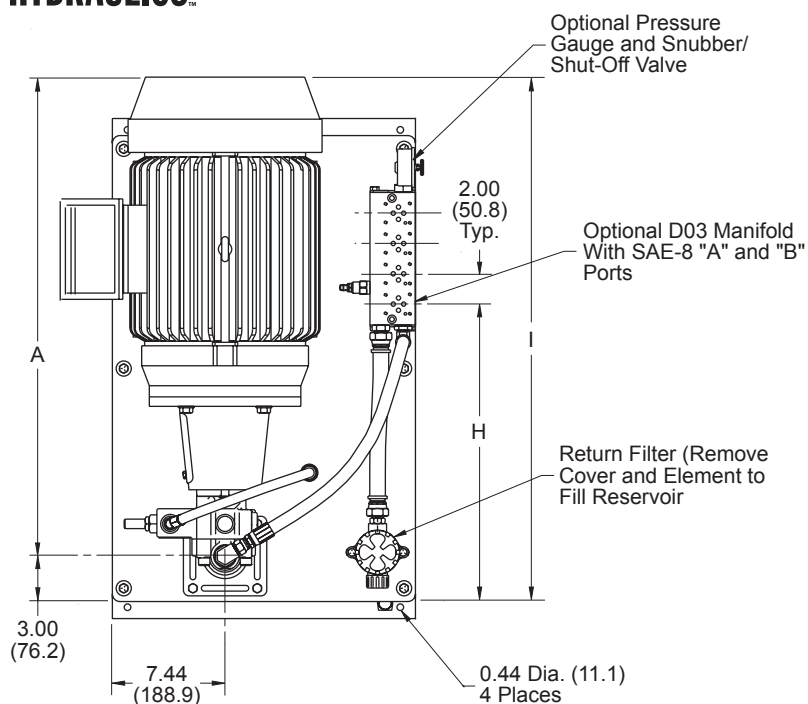
Dimensions C through I

Reservoir	C	D	E	F	G	H	I
W10	16.00 (406.4)	18.00 (457.2)	9.00 (228.6)	25.50 (647.7)	27.00 (685.8)	16.38 (416.6)	24.25 (615.9)
W20	18.00 (457.2)	20.00 (508.0)	12.00 (304.8)	31.50 (800.1)	33.00 (838.2)	19.63 (492.3)	31.25 (793.7)
W30	22.00 (558.8)	24.00 (609.6)	12.00 (304.8)	37.50 (952.5)	39.00 (990.6)	22.50 (571.5)	36.50 (927.1)

Low Profile Power Units

10 TO 30 GALLON CAPACITY

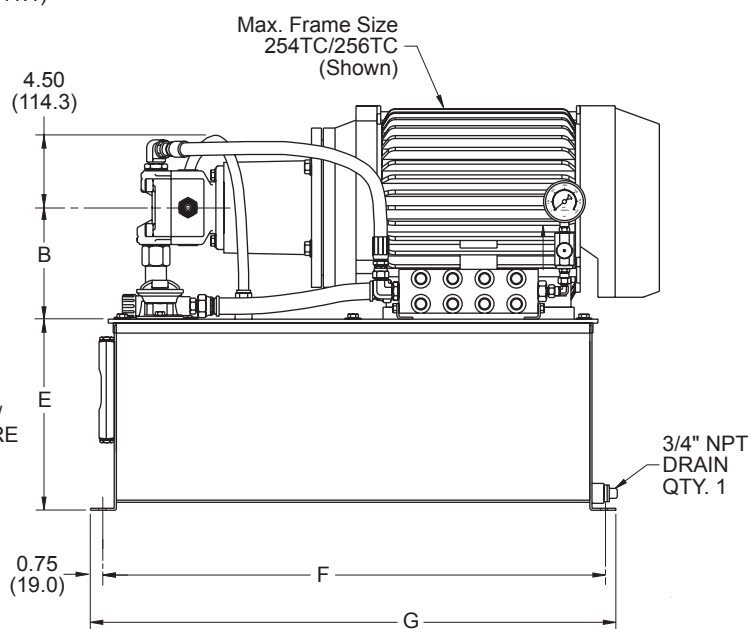
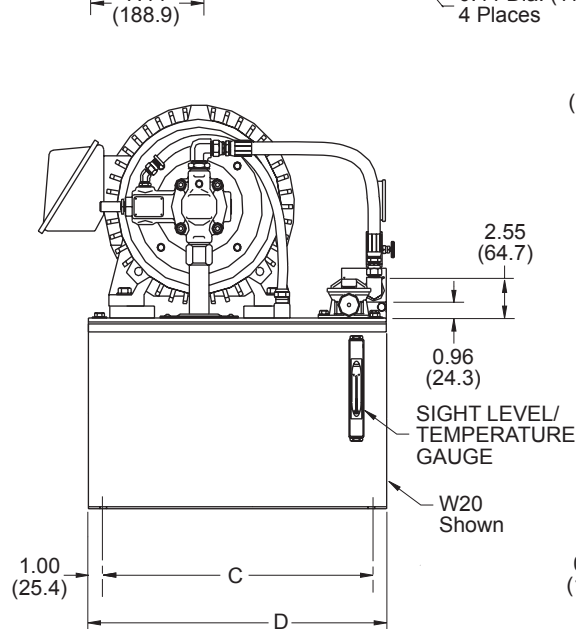
Dimension Drawing - Power Unit With Vane Pump



Dimensions shown in: Inches (± .125)
 (millimeters (± 1 mm))

Dimensions A and B

Motor Frame	H.P.	A (±.125)	B
143TC	1	19.94 (506.5)	4.75 (120.6)
145TC	1.5	19.94 (506.5)	4.75 (120.6)
145TC	2	19.94 (506.5)	4.75 (120.6)
182TC	3	21.06 (534.9)	5.75 (146.0)
184TC	5	22.06 (560.3)	5.75 (146.0)
213TC	7.5	24.25 (615.9)	6.50 (165.1)
215TC	10	25.68 (652.3)	6.50 (165.1)
254TC	15	29.68 (753.9)	7.00 (177.8)
256TC	20	31.38 (797.1)	7.00 (177.8)



Dimensions C through I

Reservoir	C	D	E	F	G	H	I
W10	16.00 (406.4)	18.00 (457.2)	9.00 (228.6)	25.50 (647.7)	27.00 (685.8)	16.38 (416.6)	24.25 (615.9)
W20	18.00 (457.2)	20.00 (508.0)	12.00 (304.8)	31.50 (800.1)	33.00 (838.2)	19.63 (492.3)	31.25 (793.7)
W30	22.00 (558.8)	24.00 (609.6)	12.00 (304.8)	37.50 (952.5)	39.00 (990.6)	22.50 (571.5)	36.50 (927.1)

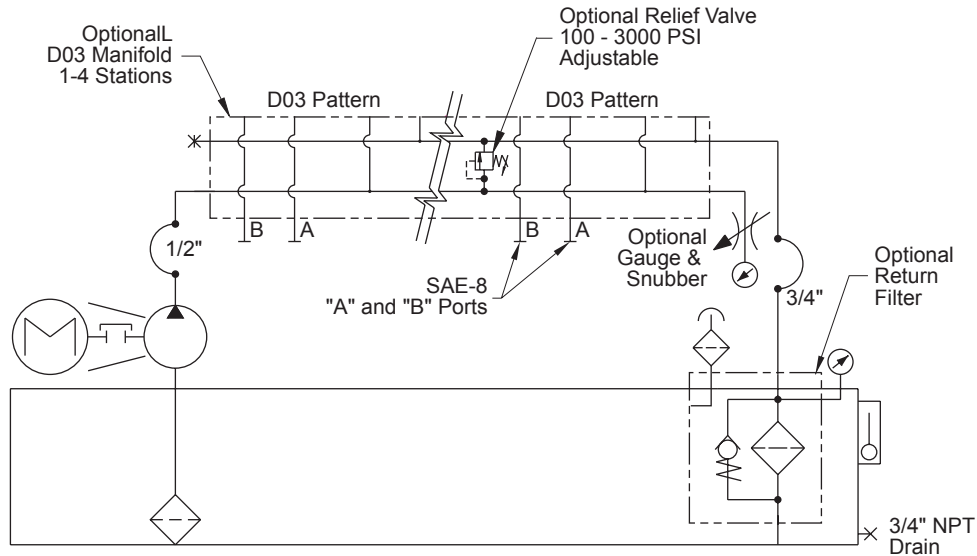
Low Profile Power Units

10 TO 30 GALLON CAPACITY

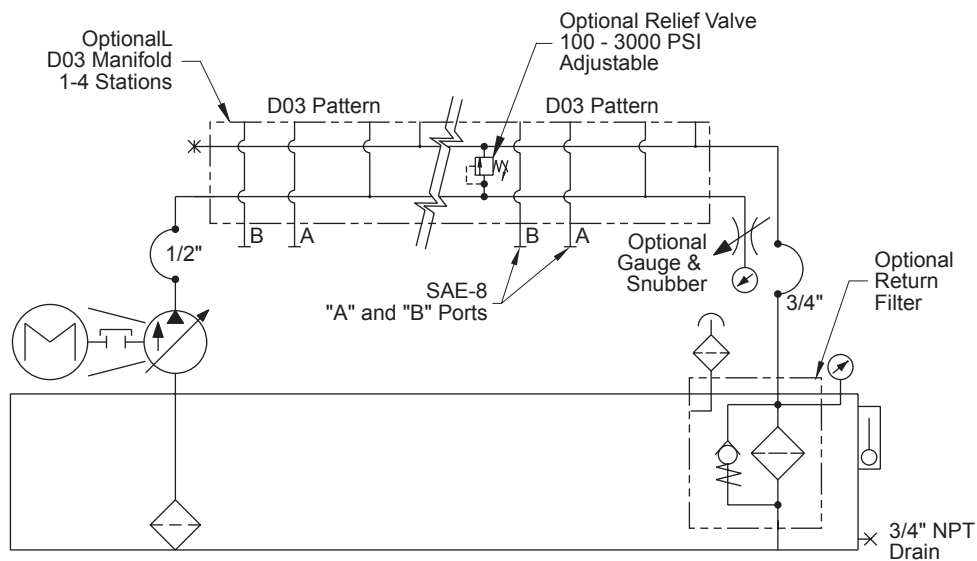
Basic Schematics



With Gear Pump



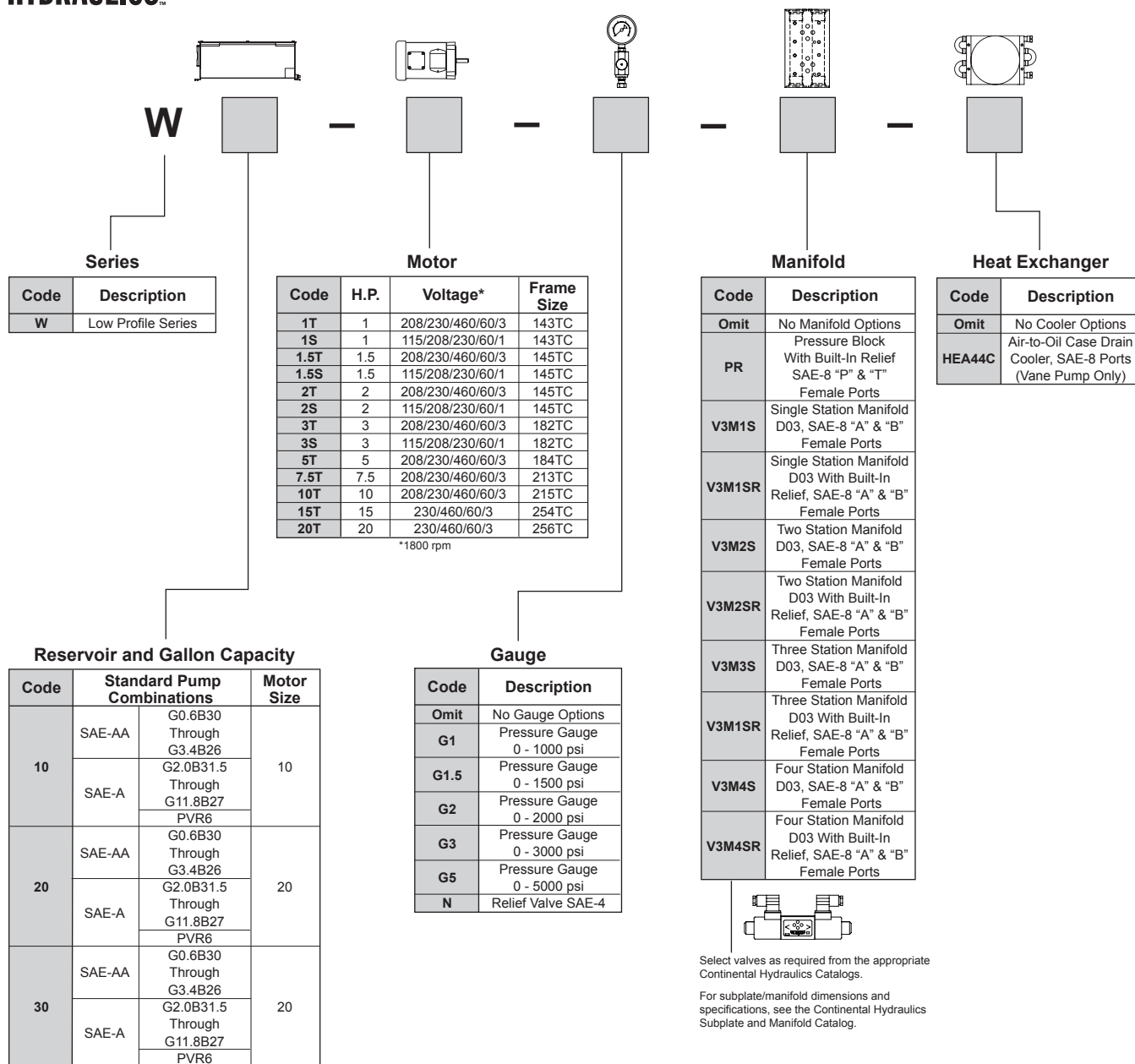
With Vane Pump



Low Profile Power Units

10 TO 30 GALLON CAPACITY

Ordering Information



Select vane pump from the Continental Hydraulics Vane Pump Catalog or gear pump from the Power Unit Accessories Catalog.

NOTE: Pump and motor ranges listed for each reservoir size are standard combinations. For special combinations, please discuss your application with your Continental Hydraulics distributor or the factory.

Typical Ordering Code

W20-3T-G3N-V3M2S-HEA44C (Power Unit)
PVR6-6B20-RF-O-1 (Vane Pump)
VSD03M-3A-GB-60L Station 1 (Directional Control Valve)
VSD03M-1A-GB-60L Station 2 (Directional Control Valve)
BD03-100 (Bolt Kit - Qty. 2)
 -- or --
W10-2T-G3N-V3M2SR (Power Unit)
G-2.0B31.5 (Gear Pump)
VSD03M-5L-GB-60L Station 1 (Directional Control Valve)
BD03-100 (Bolt Kit - Qty. 1)
VSD03M-1A-GB-60L Station 2 (Directional Control Valve)
F03MSV-NDC-G-AA Station 2 (Flow Control Valve)
BD03-250 (Bolt Kit - Qty. 1)



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