



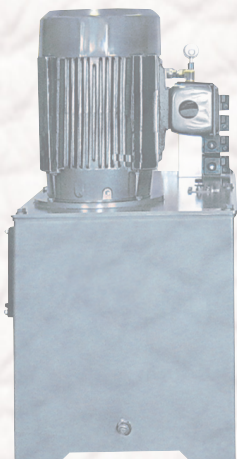
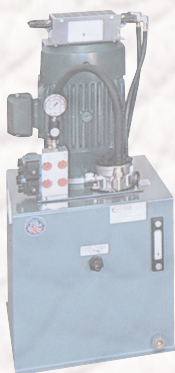
CONTINENTAL



HYDRAULICS.



Catalog Little Champ® Hydraulic Power Units



Little Champ® Power Units

3 TO 5 GALLON CAPACITY

General Specifications/Table of Contents



Little Champ® Power Units are designed for use in locations where space is limited and larger, noisier power units are not needed. They're ideal for applications requiring moderate fluid volume and flow rate, short hydraulic lines and quick cycling.

Typical applications include use with:

- Machine Tools
- Packing Machinery
- Food Processing
- Material Handling

Little Champ® Power Units are the perfect choice for applications involving frequent stops and starts, where localized power is needed, or where the noise and vibration of a large power unit would be distracting.

GENERAL SPECIFICATIONS*	3V	5V
Reservoir Capacity	3 Gal. (11.4 liters)	5 Gal.(18.9 liters)
Surface Area For Heat Transfer	2.22 sq. ft. (2062.4 cm ²)	3.16 sq. ft. (2935.6 cm ²)
Heat Dissipation At ΔT	Sq. Ft. of Vertical Steel x ΔT / 1000	
Basic Weight (Less Oil, Pump, and Motor)	41 lbs. (18.6 kg)	47 lbs. (21.3 kg)
Usable Gallons	2.02 Gal. (7.6 liters)	3.44 Gal. (13.0 liters)
Gallons Per Inch Rise	.36 Gal.	.36 Gal.
Capacity, Full to Top Plate	4.37 Gal. (16.5 liters)	5.81 Gal. (22.0 liters)
Capacity, High on Sight Gauge	2.91 Gal. (11.0 liters)	4.88 Gal. (18.5 liters)
Capacity, Low on Sight Gauge	1.80 Gal. (6.8 liters)	3.78 Gal. (14.3 liters)
Pump Data (See VANE PUMP CATALOG for complete codes and specifications.)		
Flow Range	Up to 3.4 gpm (12.9 lpm)	Up to 4.0 gpm (15.1 lpm)
Pressure Range	Up to 3000 psi (207 bar)	Up to 3000 psi (207 bar)
Power Range	Up to 3 HP (2.2 kW)	Up to 3 HP (2.2 kW)

* 10 to 40 gallon capacity power units start on page 8.

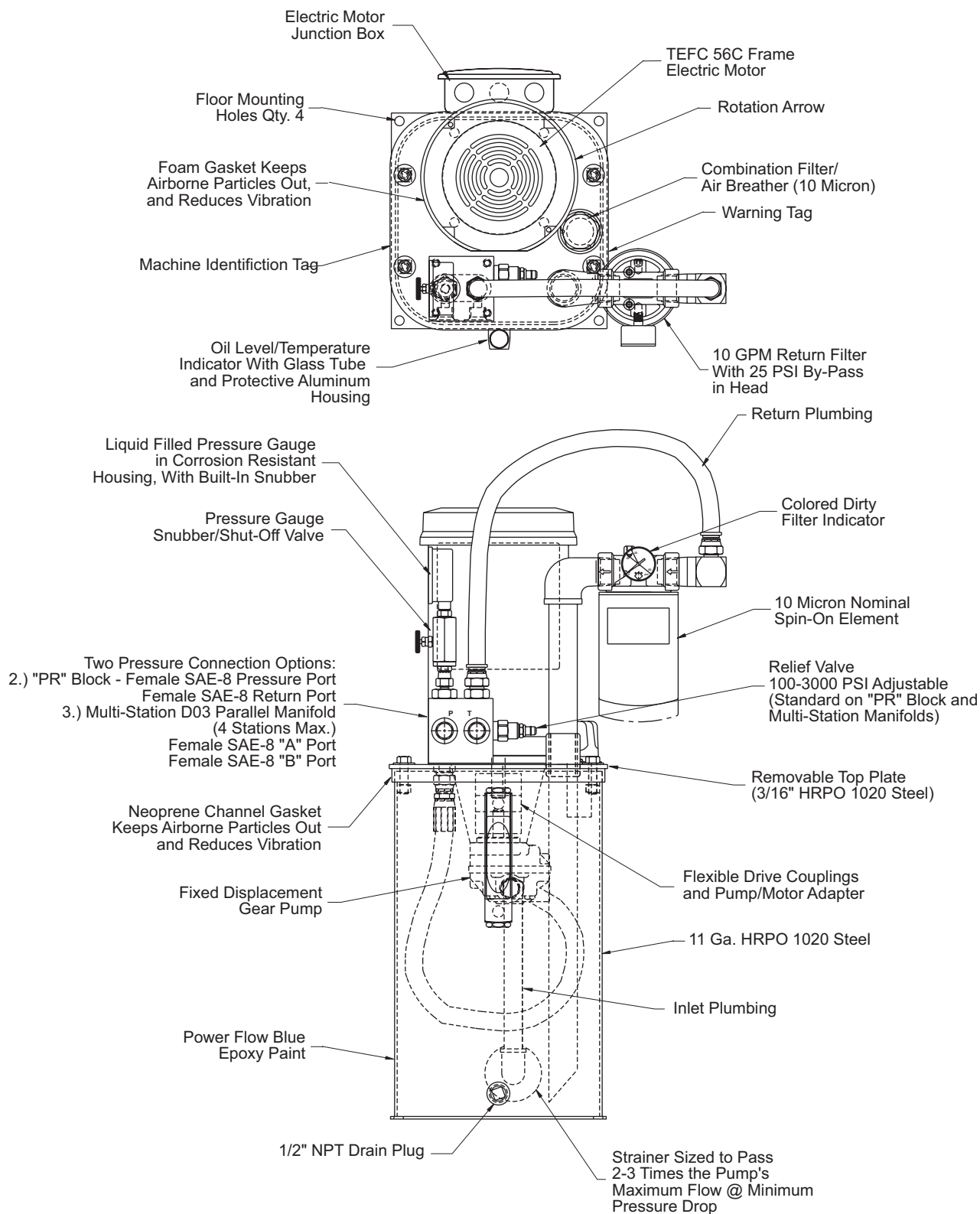
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Little Champ® Power Units

3 TO 5 GALLON CAPACITY

Features



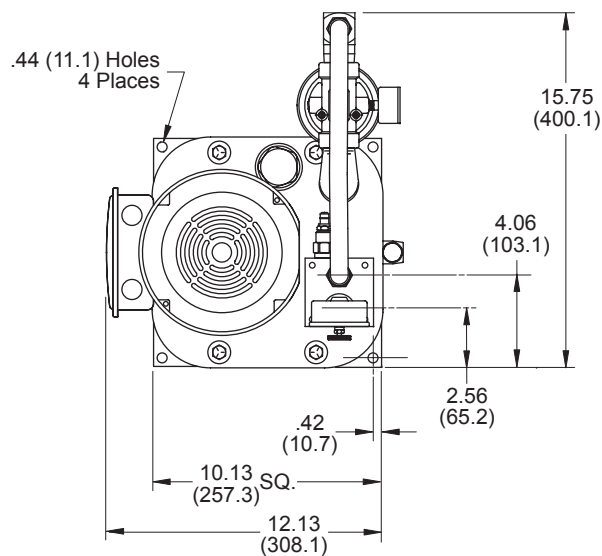
Little Champ® Power Units

3 TO 5 GALLON CAPACITY

Dimension Drawing - Power Unit With Pressure Block

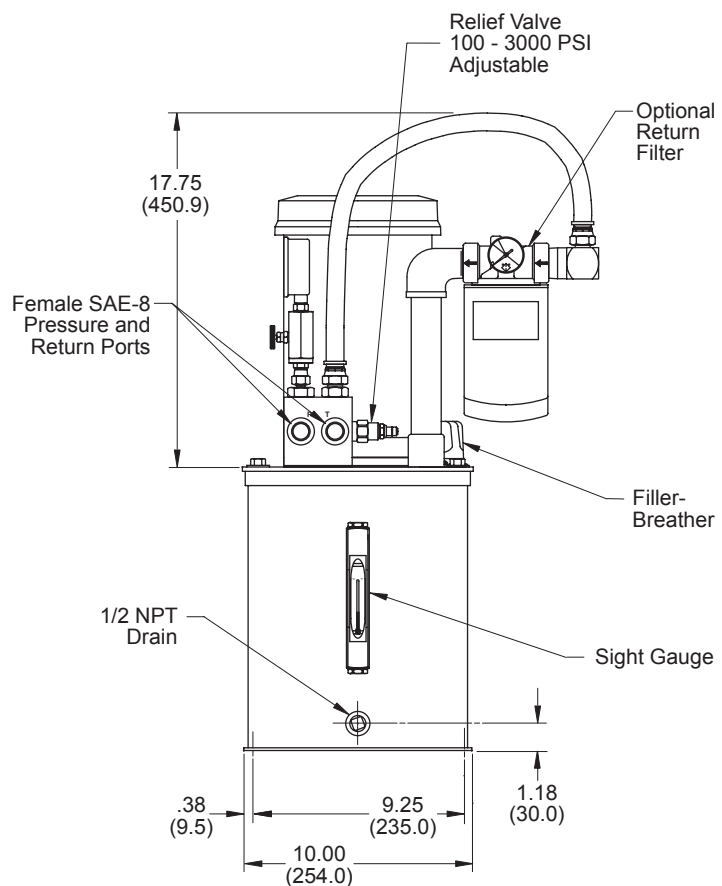
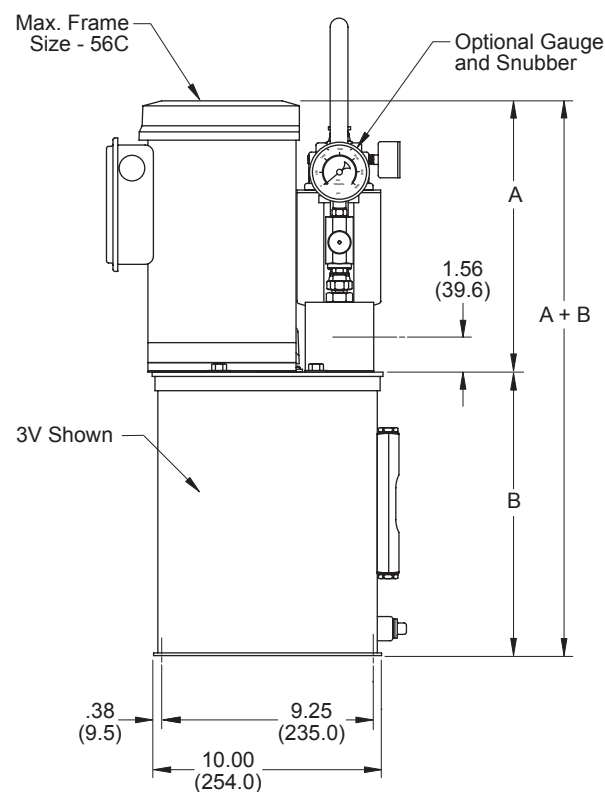


Dimensions shown in: Inches (± .125)
(millimeters (± 1 mm))



Dimensions A and B

Motor Frame	Code	A (±.125)
56C	005T	9.92 (252.0)
56C	005S	10.44 (265.2)
56C	007T	9.92 (252.0)
56C	007S	9.92 (252.0)
56C	010T	9.92 (252.0)
56C	010S	10.92 (277.4)
56C	015T	10.92 (277.4)
56C	015S	12.98 (329.7)
56C	020T	11.98 (304.3)
56C	030T	13.37 (339.6)
Reservoir		B
3V		12.44 (316.0)
5V		16.44 (417.6)

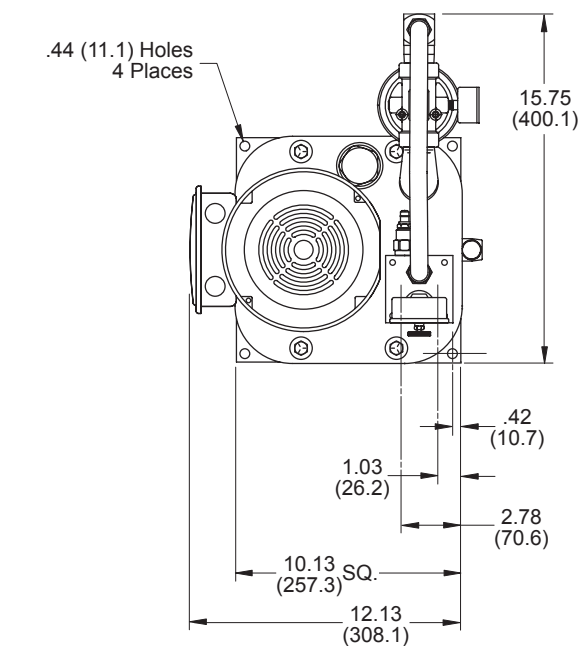


Little Champ® Power Units

3 TO 5 GALLON CAPACITY

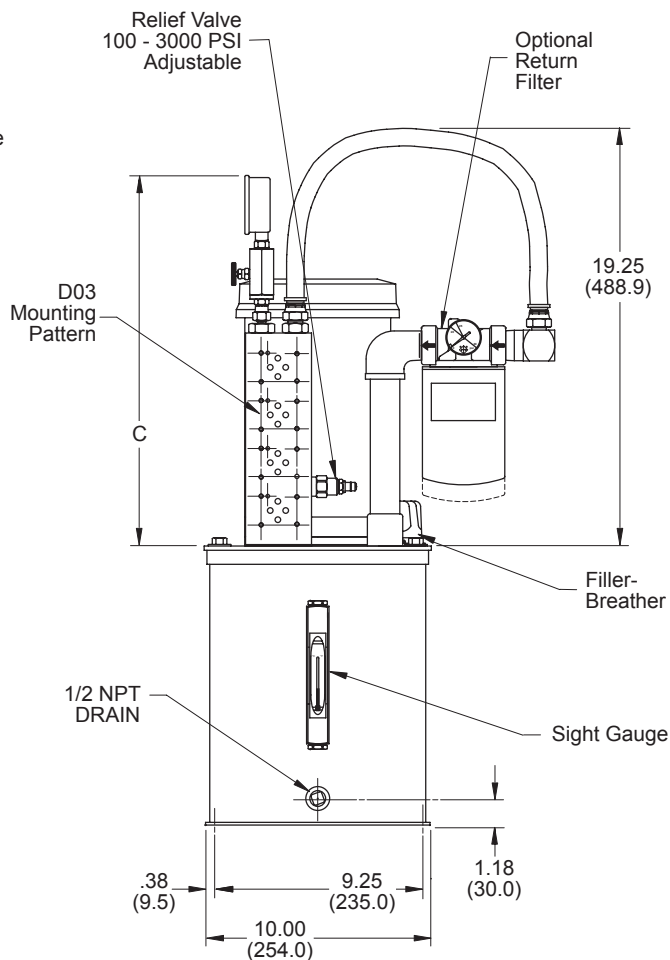
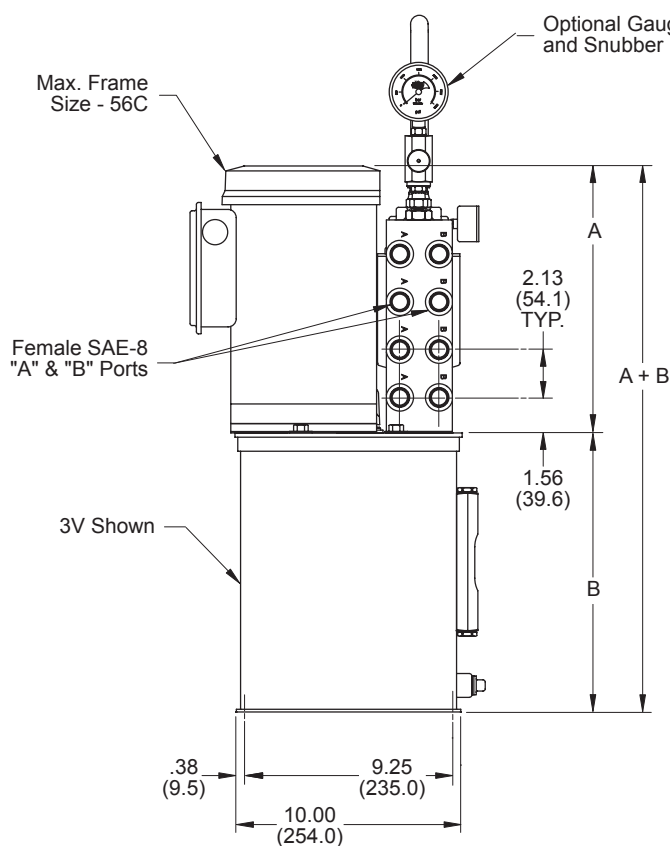
Dimension Drawing - Power Unit With Manifold

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



Dimensions A and B

Motor Frame	Code	A (±.125)	No. of Stations	C
56C	005T	9.92 (252.0)		
56C	005S	10.44 (265.2)		
56C	007T	9.92 (252.0)		
56C	007S	9.92 (252.0)		
56C	010T	9.92 (252.0)		
56C	010S	10.92 (277.4)		
56C	015T	10.92 (277.4)		
56C	015S	12.98 (329.7)		
56C	020T	11.98 (304.3)		
56C	030T	13.37 (339.6)		
Reservoir	B		1	10.25 (260.3)
3V	12.44 (316.0)		2	12.38 (314.5)
5V	16.44 (417.6)		3	14.50 (368.3)
			4	16.63 (422.4)



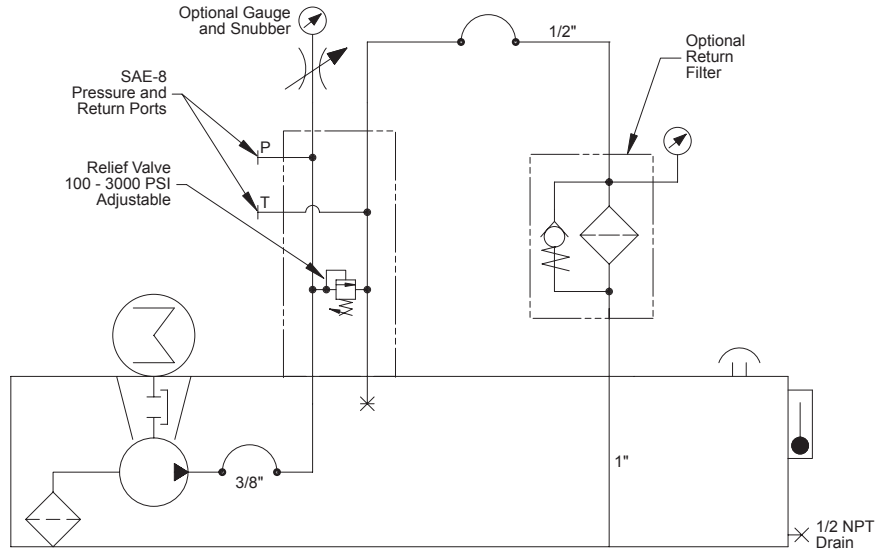
Little Champ® Power Units

3 TO 5 GALLON CAPACITY

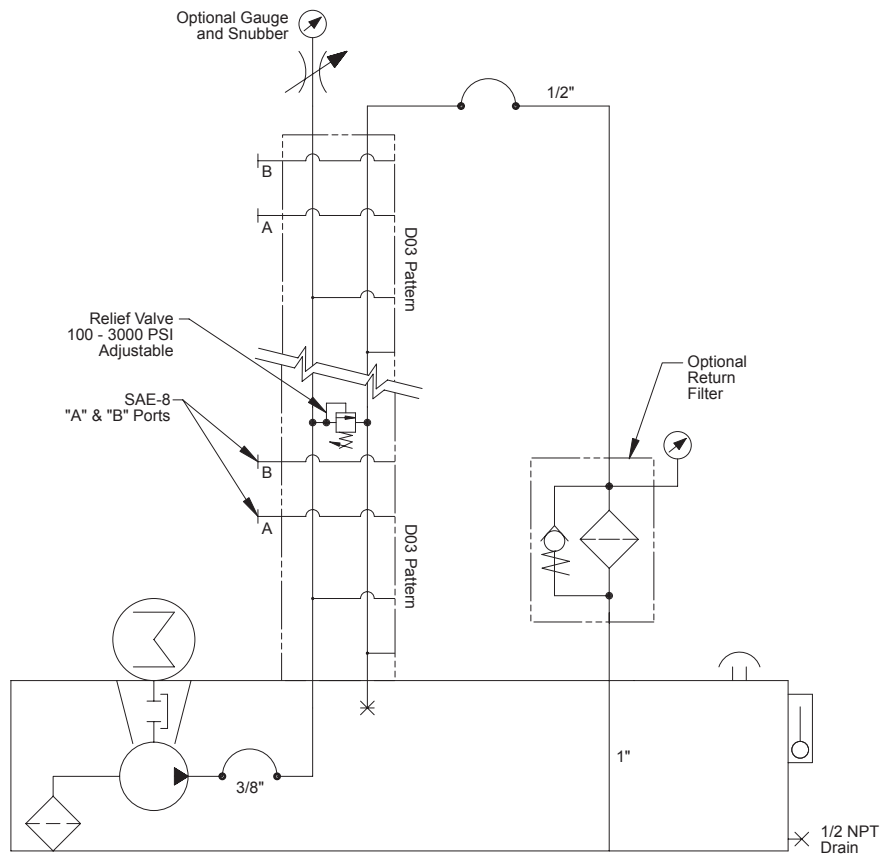
Basic Schematics



With Pressure Block



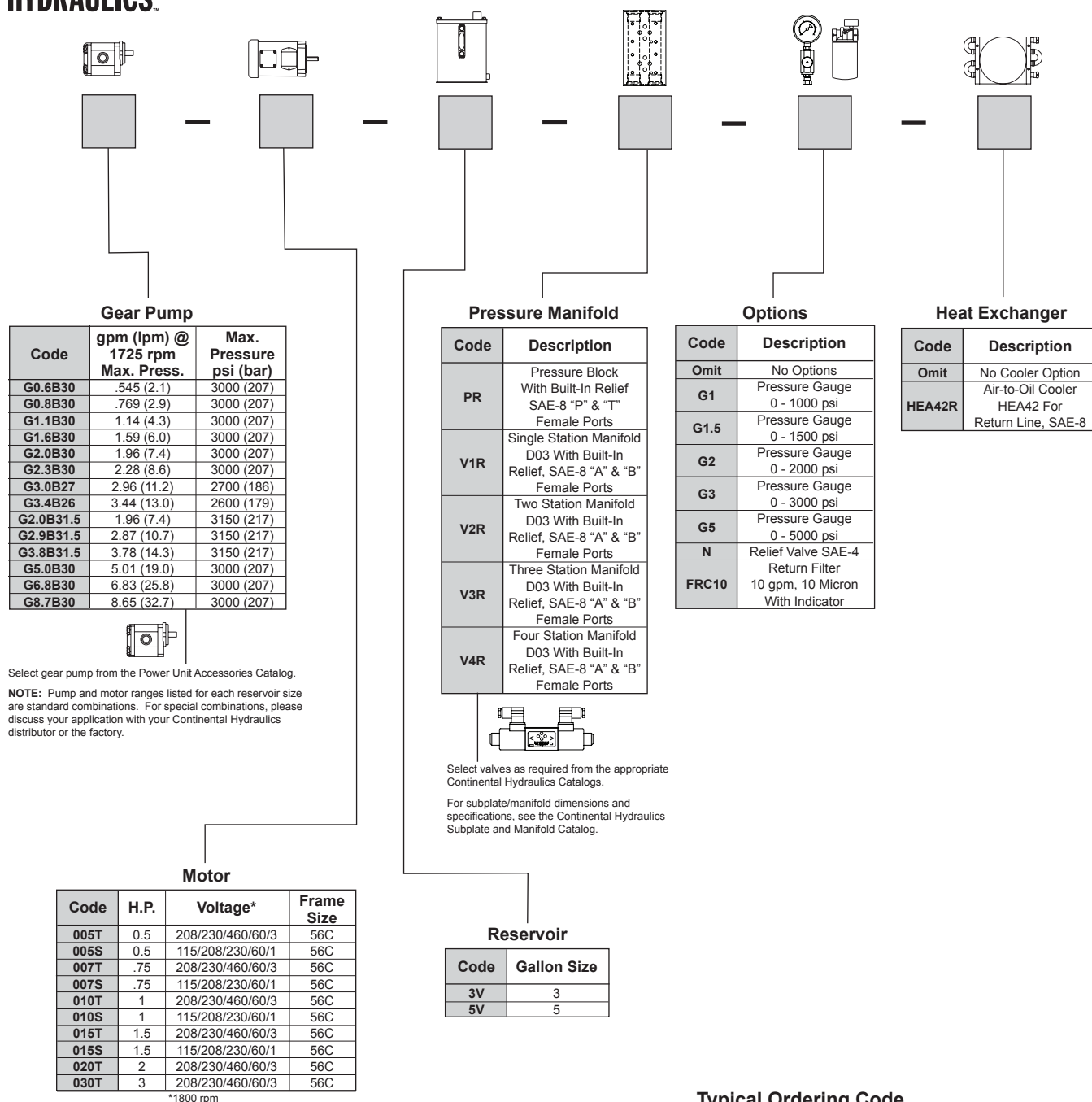
With Manifold



Little Champ® Power Units

3 TO 5 GALLON CAPACITY

Ordering Information



Typical Ordering Code

G2.3B30-020T-5V-V2R-G3N-FRC10 (Power Unit)
VSD03M-3A-GB-60L (Directional Control Valve - Qty. 2)
F03MSV-NDC-GA (Flow Control Valve - Qty. 2)
BD03-250 (Bolt Kit - Qty. 2)

Little Champ® Power Units

10 TO 40 GALLON CAPACITY

General Specifications/Table of Contents



GENERAL SPECIFICATIONS	10V	20V	30V	40V
Reservoir Capacity	10 Gallons (37.8 liters)	20 Gallons (75.7 liters)	30 gallons (113.5 liters)	40 gallons (151.4 liters)
Surface Area For Heat Transfer	6.67 sq. ft. (6196.4 cm ²)	8.75 sq. ft. (8128.7 cm ²)	12.64 sq. ft. (11742.6 cm ²)	16.53 sq.ft. (15356.4 cm ²)
Heat Dissipation At ΔT	Sq. Ft. of Vertical Steel x ΔT / 1000			
Basic Weight (Less Oil, Pump, and Motor)	77 pounds (34.9 kg)	103 pounds (46.7 kg)	120 pounds (54.4 kg)	145 pounds (65.8 kg)
Usable Gallons	6.25 gallons (23.7 liters)	16.00 gallons (60.6)	25.25 gallons (95.6 liters)	36.50 gallons (138.1 liters)
Gallons Per Inch Rise	1.09 gallons (4.1 liters)	1.33 Gallons (5.0 liters)	1.33 Gallons (5.0 liters)	1.33 Gallons (5.0 liters)
Capacity, Full to Top Plate	16.35 Gallons (61.9 liters)	23.94 Gallons (90.6 liters)	34.58 Gallons (130.9 liters)	45.22 Gallons (171.2 liters)
Capacity, High on Sight Gauge	10.15 Gallons (38.4 liters)	20.62 gallons (78.0 liters)	29.93 Gallons (113.3 liters)	41.23 Gallons (156.1 liters)
Capacity, Low on Sight Gauge	6.75 Gallons (25.4 liters)	16.63 Gallons (62.9 liters)	25.94 Gallons (98.2 liters)	37.24 gallons (141.0 liters)
Pump Data (See VANE PUMP CATALOG for complete codes and specifications.)				
Flow Range	Up to 11 gpm (41.6 liters)	Up to 11 gpm (41.6 liters)	Up to 11 gpm (41.6 liters)	Up to 11 gpm (41.6 liters)
Pressure Range	Up to 3000 psi (Up to 207 bar)	Up to 3000 psi (Up to 207 bar)	Up to 3000 psi (Up to 207 bar)	Up to 3000 psi (Up to 207 bar)
Power Range	Up to 10 HP (Up to 7.5 kW)	Up to 10 HP (Up to 7.5 kW)	Up to 10 HP (Up to 7.5 kW)	Up to 10 HP (Up to 7.5 kW)

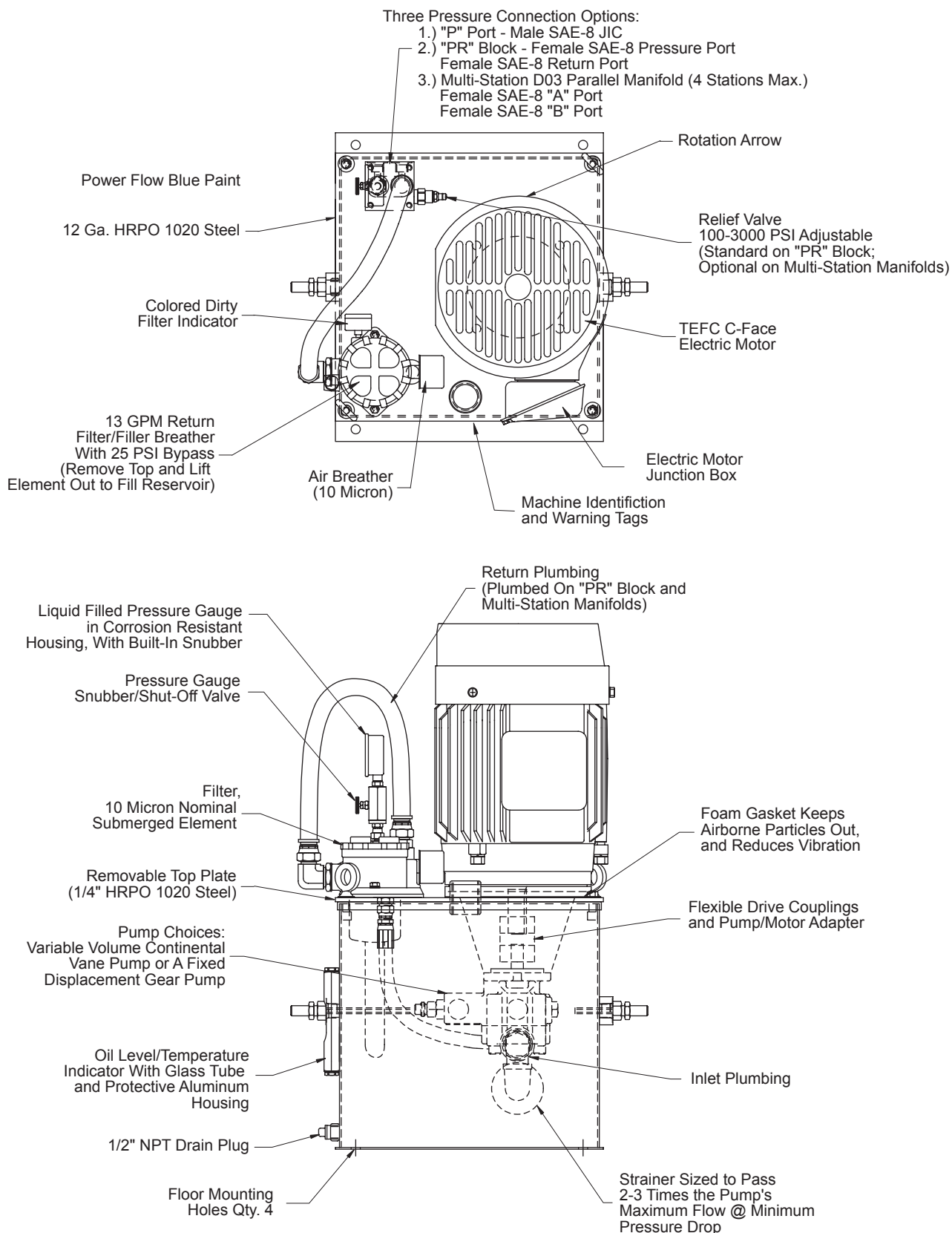
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Little Champ® Power Units

10 TO 40 GALLON CAPACITY

Features



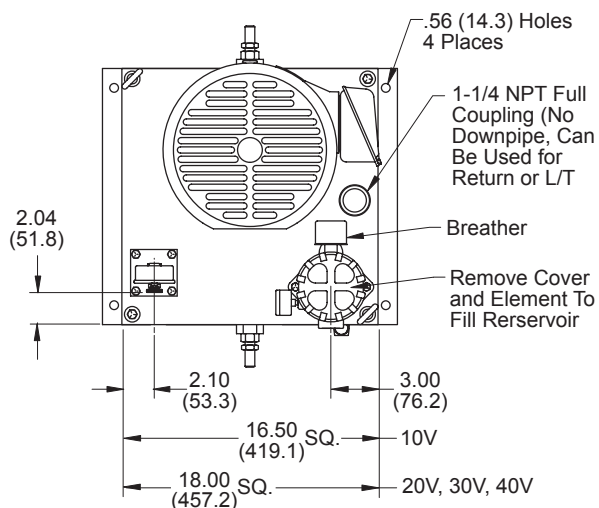
Little Champ® Power Units

10 TO 40 GALLON CAPACITY

Dimension Drawing - Power Unit With Pressure Connection

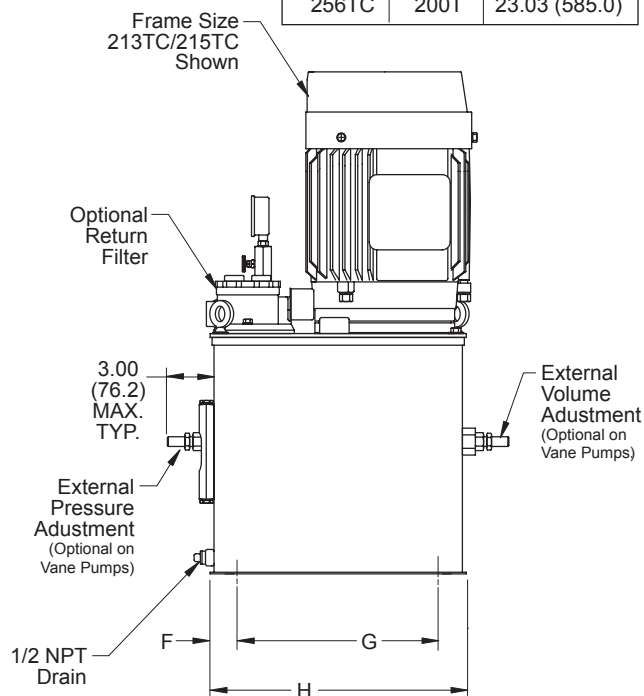
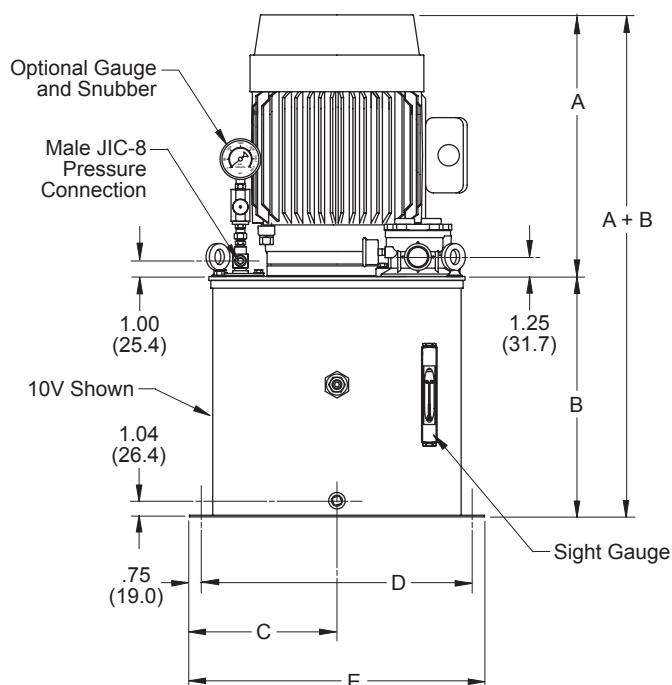


Dimensions shown in: Inches (± .125)
(millimeters (± 1 mm))



Dimension A

Motor Frame	Code	A (±.125)
56C	005T	9.92 (252.0)
56C	005S	10.44 (265.2)
56C	007T	9.92 (252.0)
56C	007S	9.92 (252.0)
56C	010T	9.92 (252.0)
56C	010S	10.92 (277.4)
56C	015T	10.92 (277.4)
56C	015S	12.98 (329.7)
56C	020T	11.98 (304.3)
145TC	020S	12.97 (329.4)
56C	030T	13.37 (339.6)
184TC	030S	14.43 (366.5)
184TC	050T	15.06 (382.5)
213TC	075T	17.56 (446.0)
215TC	100T	17.56 (446.0)
254TC	150T	23.03 (585.0)
256TC	200T	23.03 (585.0)



Dimensions B through H

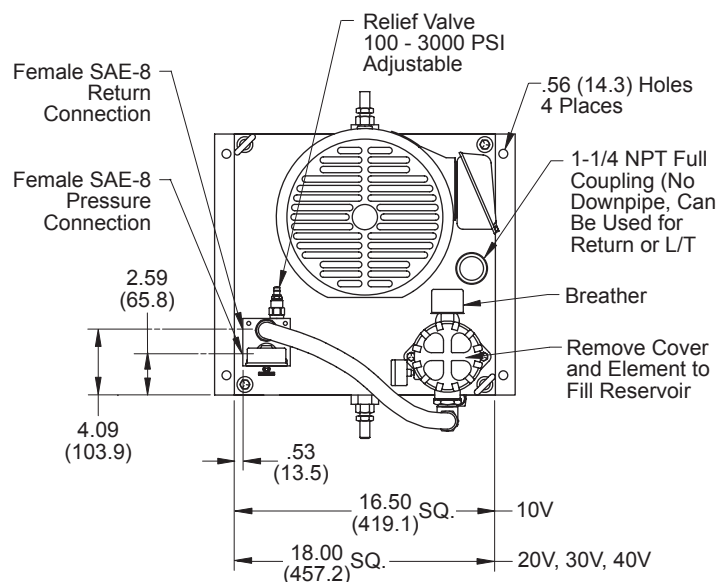
Reservoir	B	C	D	E	F	G	H
10V	15.44 (392.2)	9.50 (241.3)	17.50 (444.5)	19.00 (482.6)	1.25 (31.7)	14.00 (355.6)	16.50 (419.1)
20V	18.44 (468.4)	10.25 (260.3)	19.00 (482.6)	20.50 (520.7)	1.50 (38.1)	15.00 (381.0)	18.00 (457.2)
30V	26.44 (671.6)	10.25 (260.3)	19.00 (482.6)	20.50 (520.7)	1.50 (38.1)	15.00 (381.0)	18.00 (457.2)
40V	34.44 (874.8)	10.25 (260.3)	19.00 (482.6)	20.50 (520.7)	1.50 (38.1)	15.00 (381.0)	18.00 (457.2)

Little Champ® Power Units

10 TO 40 GALLON CAPACITY

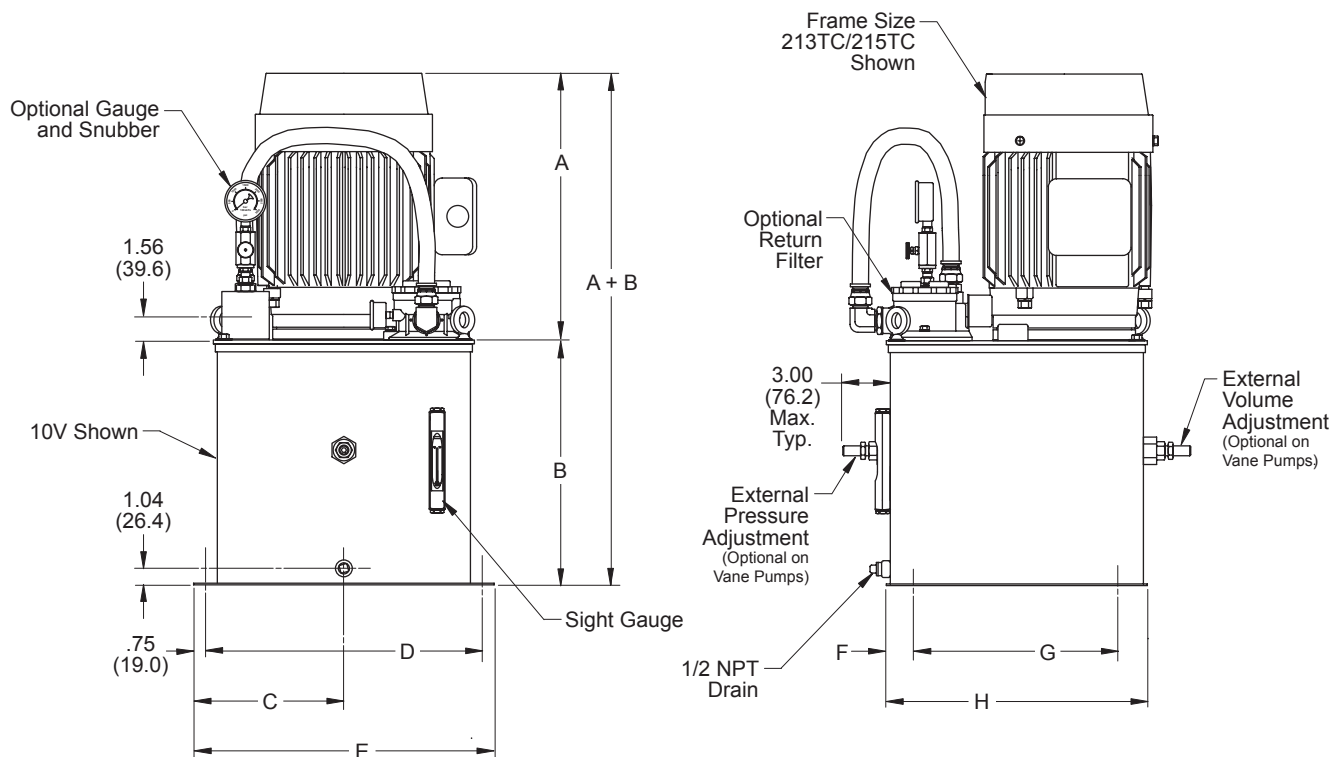
Dimension Drawing - Power Unit With Pressure Block

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



Dimension A

Motor Frame	Code	A (±.125)
56C	005T	9.92 (252.0)
56C	005S	10.44 (265.2)
56C	007T	9.92 (252.0)
56C	007S	9.92 (252.0)
56C	010T	9.92 (252.0)
56C	010S	10.92 (277.4)
56C	015T	10.92 (277.4)
56C	015S	12.98 (329.7)
56C	020T	11.98 (304.3)
145TC	020S	12.97 (329.4)
56C	030T	13.37 (339.6)
184TC	030S	14.43 (366.5)
184TC	050T	15.06 (382.5)
213TC	075T	17.56 (446.0)
215TC	100T	17.56 (446.0)
254TC	150T	23.03 (585.0)
256TC	200T	23.03 (585.0)



Dimensions B through H

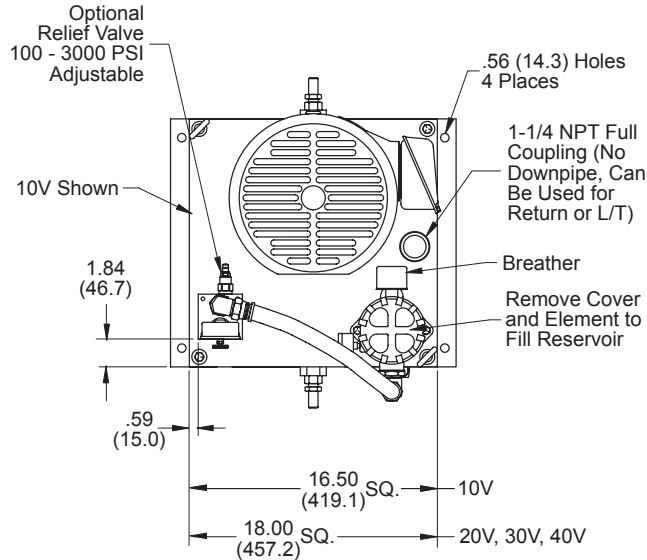
Reservoir	B	C	D	E	F	G	H
10V	15.44 (392.2)	9.50 (241.3)	17.50 (444.5)	19.00 (482.6)	1.25 (31.7)	14.00 (355.6)	16.50 (419.1)
20V	18.44 (468.4)	10.25 (260.3)	19.00 (482.6)	20.50 (520.7)	1.50 (38.1)	15.00 (381.0)	18.00 (457.2)
30V	26.44 (671.6)	10.25 (260.3)	19.00 (482.6)	20.50 (520.7)	1.50 (38.1)	15.00 (381.0)	18.00 (457.2)
40V	34.44 (874.8)	10.25 (260.3)	19.00 (482.6)	20.50 (520.7)	1.50 (38.1)	15.00 (381.0)	18.00 (457.2)

Little Champ® Power Units

10 TO 40 GALLON CAPACITY

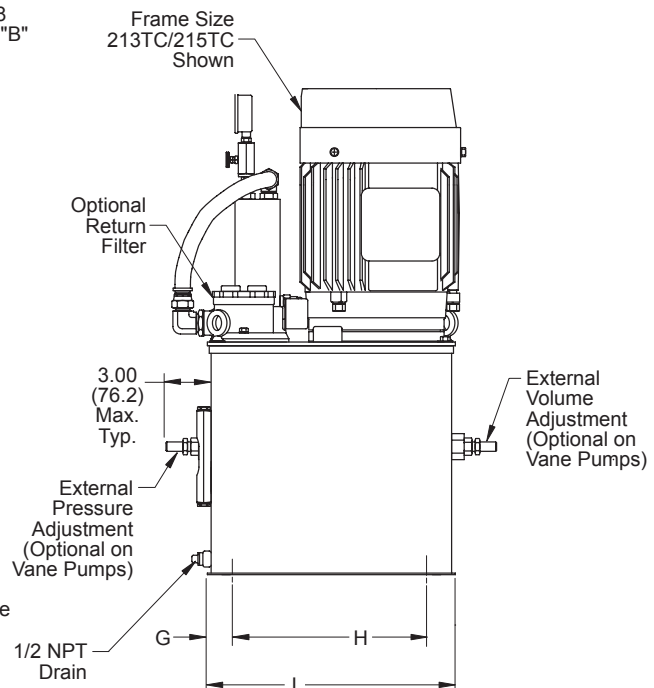
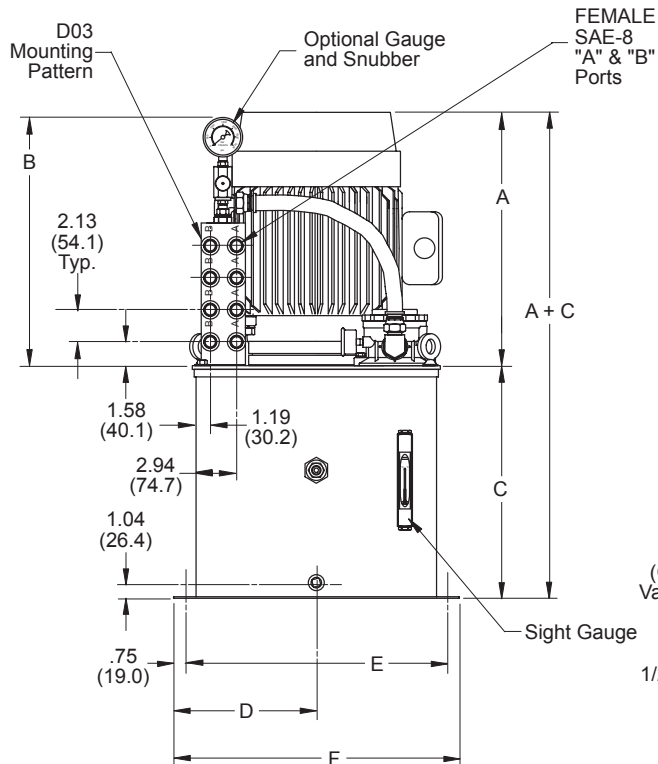
Dimension Drawing - Power Unit With Manifold

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



Dimension A and B

Motor Frame	Code	A (±.125)	No. of Stations	B
56C	005T	9.92 (252.0)	1	10.25 (260.3)
56C	005S	10.44 (265.2)	2	12.38 (314.5)
56C	007T	9.92 (252.0)	3	14.50 (368.3)
56C	007S	9.92 (252.0)	4	16.63 (422.4)
56C	010T	9.92 (252.0)		
56C	010S	10.92 (277.4)		
56C	015T	10.92 (277.4)		
56C	015S	12.98 (329.7)		
56C	020T	11.98 (304.3)		
145TC	020S	12.97 (329.4)		
56C	030T	13.37 (339.6)		
184TC	030S	14.43 (366.5)		
184TC	050T	15.06 (382.5)		
213TC	075T	17.56 (446.0)		
215TC	100T	17.56 (446.0)		
254TC	150T	23.03 (585.0)		
256TC	200T	23.03 (585.0)		



Dimensions B through H

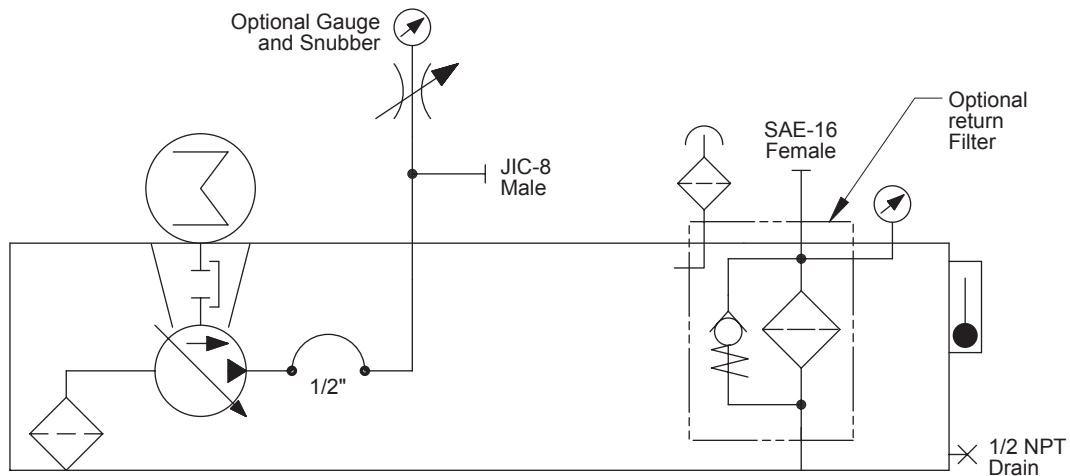
Reservoir	C	D	E	F	G	H	I
10V	15.44 (392.2)	9.50 (241.3)	17.50 (444.5)	19.00 (482.6)	1.25 (31.7)	14.00 (355.6)	16.50 (419.1)
20V	18.44 (468.4)	10.25 (260.3)	19.00 (482.6)	20.50 (520.7)	1.50 (38.1)	15.00 (381.0)	18.00 (457.2)
30V	26.44 (671.6)	10.25 (260.3)	19.00 (482.6)	20.50 (520.7)	1.50 (38.1)	15.00 (381.0)	18.00 (457.2)
40V	34.44 (874.8)	10.25 (260.3)	19.00 (482.6)	20.50 (520.7)	1.50 (38.1)	15.00 (381.0)	18.00 (457.2)

Little Champ® Power Units

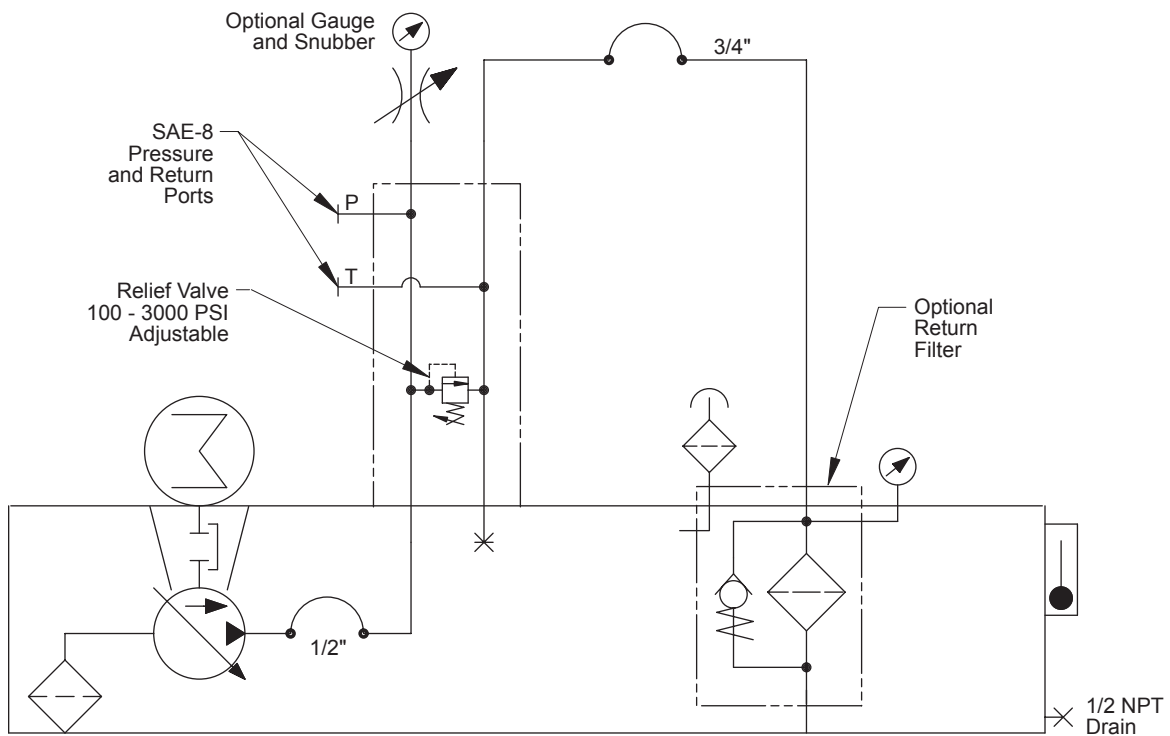
10 TO 40 GALLON CAPACITY

Basic Schematics - Pressure Connection/PressureBlock

With Pressure Connection



With Pressure Block



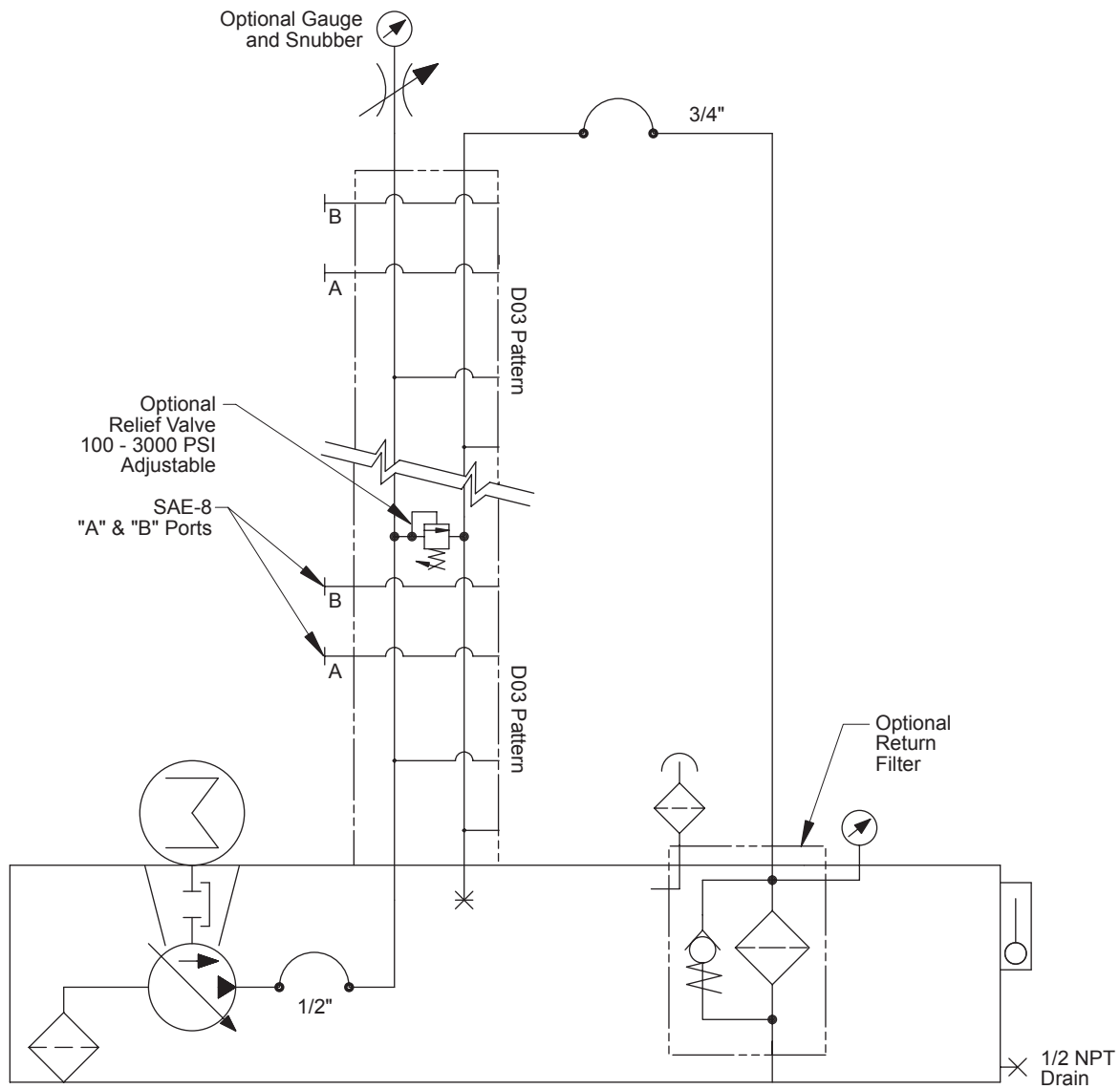
Little Champ® Power Units

10 TO 40 GALLON CAPACITY

Basic Schematics - For Manifold



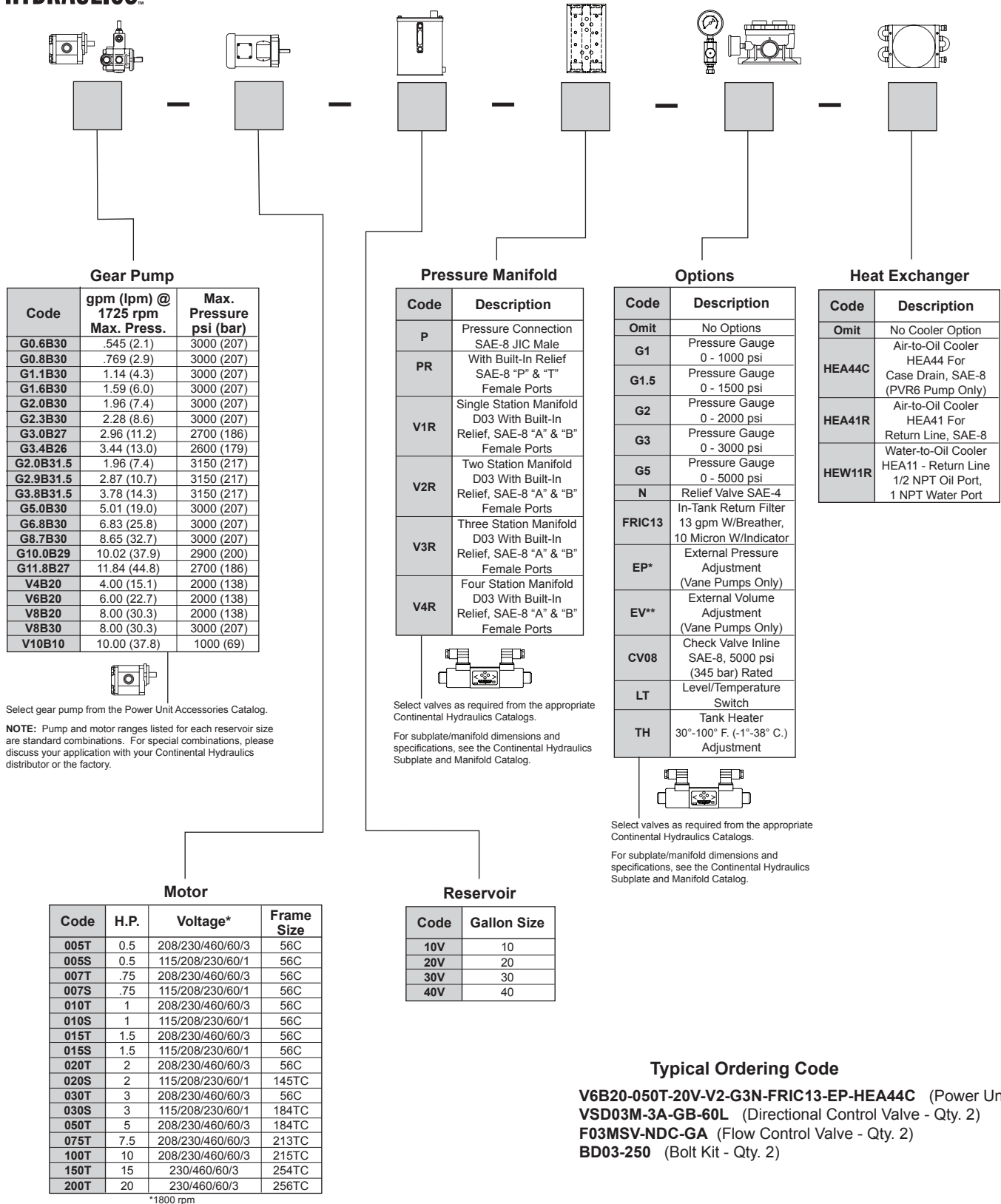
With Manifold



Little Champ® Power Units

10 TO 40 GALLON CAPACITY

Ordering Information





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FULL YEAR(INTERNATIONAL)TRADING CO.

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