

1.6- to 30-Gal. AC Power Units

Recommended motor starters are sold separately on page 165.

1.6-GAL.

■ Horizontal mounting

Feature an aluminum center adapter that also serves as a port manifold and valve housing with a load-holding check valve, and a VM01 cartridge relief valve. Pump housing has an anodized 70 Rockwell C aluminum oxide finish. Includes direct manifold mount.

5- AND 15-GAL.

- Fixed-clearance pumps (5-gal.)
- Pressure-balanced pumps (15-gal.)
- Vertical mounting for all models

Come fully assembled with filler breather, fluid level gauge with thermometer, pressure gauge, relief valve, and a manifold block for mounting a valve. Manifold is for direct pressure and tank (P&T) plumbing. Block comes with SAE ports only. Valve options and additional components are sold separately on page 2477.

8- TO 30-GAL.

Provide smooth, quiet, operation and feature an adjustable relief valve, bayonet-style filler breather, drain port, pressure gauge, SAE ports, sight/level/temp. gauge, and removable top plate to ease maintenance. Models 5 HP and larger have a premium-efficiency motor rated for 50 Hz and 60 Hz operation for overall system efficiency.

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Reservoir Cap.	No. of Stages	HP	Nominal Flow	Max. Pressure	Pressure Port	Voltage	Phase	Recommended Motor Starter	Manifold Block	Overall Length	Overall Width	Overall Height	Mfr. Model	Item No.	
Horizontal															
1.6 gal	1	0.5 hp	0.5 gpm	1,500 psi	3/16"-18 (SAE 6)	115/230V AC	1	1H555	—	26 3/32 in	10 29/32 in	8 15/16 in	M-4504-0158	36ND91	
	1	1 hp	0.5 gpm	3,000 psi	3/16"-18 (SAE 6)	115/208-230V AC	1	1H555	—	27 3/32 in	10 29/32 in	8 15/16 in	M-4504-0159	36ND92	
	1	1 hp	1.4 gpm	1,000 psi	3/16"-18 (SAE 6)	115/208-230V AC	1	1H555	—	27 3/32 in	10 29/32 in	8 15/16 in	M-4504-0161	36ND94	
	1	1 hp	1.9 gpm	750 psi	3/16"-18 (SAE 6)	115/208-230V AC	1	1H555	—	27 3/32 in	10 29/32 in	8 15/16 in	M-4504-0162	36ND95	
	1	1 hp	1.9 gpm	750 psi	3/16"-18 (SAE 6)	230/460V AC	3	1H555	—	27 3/32 in	9 3/32 in	8 15/16 in	M-4504-0164	36ND97	
	1	1 hp	1 gpm	1,500 psi	3/16"-18 (SAE 6)	115/208-230V AC	1	1H555	—	27 3/32 in	10 29/32 in	8 15/16 in	M-4504-0160	36ND93	
	1	1 hp	1 gpm	1,500 psi	3/16"-18 (SAE 6)	230/460V AC	3	1H555	—	27 3/32 in	9 3/32 in	8 15/16 in	M-4504-0163	36ND96	
	1	2 hp	2 gpm	1,500 psi	3/16"-18 (SAE 6)	230/460V AC	3	1H555	—	27 3/32 in	9 3/32 in	8 15/16 in	M-4504-0165	36ND98	
	1	2 hp	3.8 gpm	750 psi	3/16"-18 (SAE 6)	230/460V AC	3	1H555	—	27 3/32 in	9 3/32 in	8 15/16 in	M-4504-0166	36ND99	
	20 gal	1	7.5 hp	7.5 gpm	1,500 psi	1 1/4"-12 (SAE 12)	208-230/460V AC	3	—	—	27 in	18 in	28 in	ZTJ000646	38VP30
1		10 hp	7.5 gpm	2,000 psi	1 1/4"-12 (SAE 12)	208-230/460V AC	3	—	—	27 in	18 in	28 in	ZTJ000647	38VP31	
1		10 hp	10.5 gpm	1,400 psi	1 1/4"-12 (SAE 12)	208-230/460V AC	3	—	—	39 in	18 in	28 in	ZTJ000649	38VP33	
30 gal	1	10 hp	10 gpm	1,500 psi	1 1/4"-12 (SAE 12)	208-230/460V AC	3	—	—	39 in	18 in	28 in	ZTJ000648	38VP32	
	Vertical														
5 gal	1	1 hp	1 gpm	1,500 psi	3/16"-18 (SAE 6)	115/230V AC	1	1H555	D03	14 in	12 1/4 in	25 15/32 in	M-4505-0150	36NE02	
	1	2 hp	1.4 gpm	2,000 psi	3/16"-18 (SAE 6)	115/230V AC	1	1H555	D03	14 in	12 1/4 in	26 3/32 in	M-4505-0151	36NE03	
	1	2 hp	1.9 gpm	1,500 psi	3/16"-18 (SAE 6)	230/460V AC	3	1H555	D03	14 in	12 1/4 in	25 3/32 in	M-4505-0152	36NE04	
8 gal	1	2 hp	1 gpm	3,000 psi	3/16"-18 (SAE 6)	115/230V AC	1	1H555	D03	14 in	12 1/4 in	26 3/32 in	M-4505-0149	36NE01	
	1	3 hp	1.5 gpm	2,500 psi	3/4"-16 (SAE 8)	208-230/460V AC	3	—	—	20 in	17 in	30 in	T1VA355C02F1-01	38VP25	
	1	3 hp	3 gpm	1,500 psi	3/4"-16 (SAE 8)	208-230/460V AC	3	—	—	20 in	17 in	36	T2VC355C02F1-01	38VP26	
	1	3 hp	4.5 gpm	1,000 psi	3/4"-16 (SAE 8)	208-230/460V AC	3	—	—	20 in	17 in	36	T3VC355C02F1-01	38VP27	
	1	3 hp	6.9 gpm	600 psi	3/4"-16 (SAE 8)	208-230/460V AC	3	1H412	D05	20 in	17 in	35 in	T65C355A03B0-01	36ND85	
	1	5 hp	11 gpm	650 psi	3/4"-16 (SAE 8)	208-230/460V AC	3	1H417	D05	20 in	17 in	35 in	T07C405C03B0-01	36ND88	
	1	5 hp	2.3 gpm	3,000 psi	3/4"-16 (SAE 8)	208-230/460V AC	3	1H412	D03	20 in	17 in	35 in	T56C405R02S0-01	36ND81	
	1	5 hp	3.7 gpm	2,000 psi	3/4"-16 (SAE 8)	208-230/460V AC	3	1H417	D03	20 in	17 in	35 in	T58C405R02S0-01	36ND82	
	15 gal	1	5 hp	3 gpm	2,500 psi	3/4"-16 (SAE 8)	208-230/460V AC	3	—	—	20 in	17 in	36	T2VC405C02F1-01	38VP28
		1	5 hp	4.4 gpm	1,550 psi	3/4"-16 (SAE 8)	208-230/460V AC	3	1H417	D03	20 in	17 in	35 in	T16C405C02F0-03	36ND83
1		5 hp	4.5 gpm	1,600 psi	3/4"-16 (SAE 8)	208-230/460V AC	3	—	—	20 in	17 in	36	T3VC405C02F1-01	38VP29	
1		5 hp	5 gpm	1,400 psi	3/4"-16 (SAE 8)	208-230/460V AC	3	1H417	D03	20 in	17 in	35 in	T64C405C02F0-01	36ND84	
1		5 hp	6.9 gpm	1,000 psi	3/4"-16 (SAE 8)	208-230/460V AC	3	1H417	D05	20 in	17 in	35 in	T65C405C03B0-01	36ND86	
1		5 hp	8.8 gpm	800 psi	3/4"-16 (SAE 8)	208-230/460V AC	3	1H417	D05	20 in	17 in	35 in	T66C405C03B0-01	36ND87	
2		3 hp	11.0/2.8 gpm	1,500 psi	1/2"-14 (SAE 10)	208-230/460V AC	3	1H417	D05	20 in	15 in	35 in	T92C355C93F0-01	36ND89	
2		5 hp	11.0/2.8 gpm	2,500 psi	1/2"-14 (SAE 10)	208-230/460V AC	3	1H417	D05	20 in	15 in	35 in	T92C405C93F0-01	36ND80	
2		5 hp	16.0/3.8 gpm	2,000 psi	1/2"-14 (SAE 10)	208-230/460V AC	3	1H417	D05	20 in	15 in	35 in	T94C405C93F0-01	36ND90	

Power Unit Accessories

Reservoirs—Variable size for AC and DC power units.

Valve Manifold Kit—D03 manifold is for use with 1.6-gal. units (1/4 NPT remote mount and direct mount options).

Electric Lowering Valve Kit Assemblies—Provide simple installation into Monarch power units. Good for use in raise-hold lower applications where increased efficiency and exact positioning of the cylinder needs to be provided. Consist of a differential poppet-type and has a 2-way/2-position normally closed valve.

Nom. Cap. (gal.)	Construc.	H (in.)	L (in.)	W (in.)	Mfr. Model	Item No.
Hydraulic Power Unit Reservoir						
1.0	Steel	6.0	9	6	500206406042	45DV80
1.75	Steel	6.0	13 1/2	6	500206406072	45DV83
2.5	Plastic	6 3/4	20	6 3/4	500206414188	45DV78
2.9	Steel	6 3/4	15	7 3/4	500206406864	45DV81
2.9	Steel	6 3/4	15	7 3/4	500206406076	45DV84
4.0	Plastic	6 3/4	26	6 3/4	500206414170	45DV85
4.0	Plastic	10	18	9	500206414224	45DV79
4.5	Steel	10 1/4	10	10 1/4	500206414249	45DV82
Valve Manifold Kit						
1/4" NPT Remote Mounting					500204901762	45DV86
Electric Lowering Valve						
24VDC					500205524369	45DV87
110VAC					500205524370	45DV88



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AC Hydraulic Power Unit for Auto Hoists

- 208/230V, single-phase, 18.5A
- Includes #12 AWG 3-wire, 18"L cord

Rugged power unit is for use in 2- and 4-post auto hoists with single-acting cylinders to raise, hold, and lower. High-torque AC motor is capable of starting up under load. Adjustable, high-efficiency VM01 relief valve and momentary push button start switch. Hardened steel valve parts are field serviceable.

Reservoir Cap.	HP	Nominal Flow	Max. Pressure	Pressure Port	Overall Length	Overall Width	Overall Height	Mfr. Model	Item No.
3.8 gal	2 hp	2 gpm	2,400 psi	3/16"-18 (SAE 6)	38 3/16 in	10 3/32 in	12 3/16 in	M-4509-0217	36NE14



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DC Snowplow Power Unit

12VDC unit allows remote operation of a truck-mounted snowplow. Includes built-in crossover reliefs which help protect snowplow blades from damaging obstructions and a heavy-duty remote control station that operates the blade up/down and left/right when used with 1 single- and 1 double-acting cylinder. Adjustable relief is preset at 2500 psi for larger blades. Included 2-qt. nominal plastic reservoir. Horizontal mounting only.

Reservoir Cap.	Nominal Flow	Max. Pressure	Pressure Port	Overall Length	Overall Width	Overall Height	Mfr. Model	Item No.
0.5 gal	2 gpm	3,000 psi	1/4"-18 NPT	22 3/8 in	6 7/32 in	9 2 1/2 in	M-3593-0164	36NE13



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