



12VDC Power Units with Control Station

MONARCH

Basic Power Unit—For remote requirements using special manifolds for control.

Manual Release—Designed for single-acting cylinders on lift, hold, and lower circuits. Features a multidirectional handle control. Includes a manual lowering valve.

Remote Release with Control Station—Controls lift and hold circuits; includes a solenoid lowering valve; and 10-ft. cord for start and lower functions on single-acting cylinders.

Birotational Power Unit with Control Station—For use with horizontally configured cylinders.

Directional solenoid valves are not required for use in double-acting cylinder applications. Includes 10-ft. cord.

Remote Double-Acting Power Unit

2-position, 4-way solenoid valve allows bidirectional control of double-acting cylinders and hydraulic motor applications. Includes a pilot-operated check valve and relief valve.

Note: Go to Grainger.com® for Accessory Control Stations. Search for "Control Station for Power Unit".

MAXIM™

For Power Up and Power

Down operations and has a check valve, preventing reverse flow and protect pump. 35LP42 is for load holding in 1 direction. Includes a relief valve and manual valve. 35LP41 lifts, holds, and lowers and is prewired with a quick-disconnect remote. Horizontal mounting.

CHIEF

Solenoid-operated unit is designed to lift, hold, and lower and comes with a wired remote control.



36NE07

Description	Reservoir Cap.	Nominal Flow	Max. Pressure	Pressure Port	Overall Length	Overall Width	Overall Height	Brand	Mfr. Model	Item No.
Basic Power Unit	1 gal	2.5 gpm	3,000 psi	3/16"-18 (SAE 6)	18 3/8 in	7 1/2 in	7 1/2 in	Monarch	M-3504-0239	36NE08
Manual Release	1 gal	2.5 gpm	3,000 psi	3/16"-18 (SAE 6)	18 3/8 in	6 1/16 in	7 1/2 in	Monarch	M-3313-0106	36NE05
Remote Release with Control Station	1 gal	2.5 gpm	3,000 psi	3/16"-18 (SAE 6)	18 3/8 in	7 1/2 in	7 1/2 in	Monarch	M-3519-0419	36NE06
Birotational Power Unit with Control Station	1 gal	2 gpm	3,000 psi	1/16"-20 (SAE 4)	18 1/2 in	8 1/2 in	7 1/2 in	Monarch	B-3530-0104	36NE07
Double-Acting Power Unit	0.75 gal	1.3 gpm	2,500 psi	1/4" NPT	20 1/2 in	9 in	7 1/2 in	Maxim	253109	35LP42
Remote Double-Acting Power Unit	1 gal	2.5 gpm	3,000 psi	1/4"-18 NPT	18 3/8 in	8 1/8 in	7 1/2 in	Monarch	M-3554-0157	36NE09
Remote Double-Acting Power Unit	0.75 gal	1.3 gpm	2,500 psi	3/16"-18 (SAE 6)	22 3/8 in	8 3/4 in	8 1/4 in	Chief	253100	46C520
Remote Double-Acting Power Unit	3 gal	1.3 gpm	2,500 psi	3/16"-18 (SAE 6)	23 1/4 in	8 1/4 in	9 3/4 in	Maxim	253147	35LP41
Remote Single-Acting Power Unit	1.5 gal	1.3 gpm	2,500 psi	3/16"-18 (SAE 6)	22 1/4 in	10 in	8 3/4 in	Chief	253119	46C519



36NE10

Reservoir Cap.	Nominal Flow	Max. Pressure	Voltage	Pressure Port	Overall Length	Overall Width	Overall Height	Mfr. Model	Item No.
Hydraulic Power Units with Remote Control Station									
0.6 gal	2.5 gpm	3,000 psi	12V DC	3/16"-18 (SAE 6)	16 3/8 in	7 1/2 in	7 1/2 in	M-3519-0420	36NE11
0.6 gal	3.4 gpm	3,000 psi	24V DC	3/16"-18 (SAE 6)	16 3/8 in	7 1/2 in	7 1/2 in	M-3519-0421	36NE12
DC Motor Pump Assembly									
—	2.5 gpm	3,000 psi	12V DC	3/16"-18 (SAE 6)	10 29/32 in	5 1/8 in	7 1/8 in	M-3326-0218	36NE10

DC Lift Truck Power Units and Motor Pump Assembly

• Valve pressure preset to 2500 psi

36NE11 and 36NE12—Designed for single-acting cylinders on lift, hold, and lower circuits usually found on forklifts and other material handling equipment. Units include check, adjustable relief, and solenoid lowering valves. Horizontal or vertical mounting with a 45° elbow provided for vertical mounting.

36NE10—Motor and pump unit includes check and relief valves. Vertical or horizontal mounting. Requires a remote reservoir. Note: Does not include remote handset.



Char-Lynn® General Purpose Motors/Rotary Actuators

- Straight-keyed shafts
- Max. oil temp.: 180°F

H Series—Direct-drive motors are designed with spool valve technology for medium-duty applications. Include low-speed valving. Shaft speed and rotation direction can be controlled easily throughout the motors' entire speed range.

- Min. oil viscosity: 100 SUS
- Shaft size: 1" dia. x 1 3/4" L

5PZF8



S Series—Similar to H Series motors, but with precision-machined rollers to provide rolling contact support. Rollers further reduce friction for increased efficiency and extended motor life.

- Min. oil viscosity: 70 SUS
- Shaft size: 1" dia. x 1 1/4" L

Displacement (Cu. In./Rev.)	Max. RPM	Pressure Rating (psi)	2 BOLT, 3.25 IN PILOT MOUNTING		1.75 IN PILOT, 4 BOLT MOUNTING	
			Mfr. Model	Item No.	Mfr. Model	Item No.
H Series						
1/2-14 NPTF Port Thread						
2.8	969 RPM	2400	101-1025	5PZG6	101-1001	5PZF8
4.5	760 RPM	2400	101-1026	5PZG7	101-1002	5PZF9
5.9	585 RPM	2400	101-1027	5PZG8	—	—
7.3	469 RPM	2400	101-1706	5PZH3	101-1755	5PZH5
8.9	385 RPM	2300	101-1707	5PZH4	101-1756	5PZH6
9.7	353 RPM	2250	—	—	101-1004	5PZG1
11.3	304 RPM	2150	101-1029	5PZG9	—	—
14.1	243 RPM	2000	101-1030	5PZH0	101-1006	5PZG4
17.9	192 RPM	1800	101-1031	5PZH1	101-1007	5PZG5
22.6	152 RPM	1500	101-1032	5PZH2	101-1008	5PZG3
3/8-14 NPTF Port Thread						
5.9	585 RPM	2400	—	—	101-1003	5PZG0
11.3	304 RPM	2150	—	—	101-1005	5PZG2

Displacement (Cu. In./Rev.)	Max. RPM	Pressure Rating (psi)	2 BOLT, 3.25 IN PILOT MOUNTING		1.75 IN PILOT, 4 BOLT MOUNTING	
			Mfr. Model	Item No.	Mfr. Model	Item No.
S Series						
1/2-14 NPTF Port Thread						
2.2	1,021 RPM	1800	101-1700	4TY66	101-1749	4TY82
2.8	969 RPM	1800	101-1033	4TY67	101-1009	4TY83
3.6	953 RPM	1800	101-1701	4TY68	101-1750	4TY84
4.5	760 RPM	1800	101-1034	4TY69	101-1010	4TY85
5.9	585 RPM	1800	101-1035	4TY70	101-1011	4TY86
7.3	469 RPM	1800	101-1702	4TY71	101-1751	4TY87
8.9	385 RPM	1700	101-1703	4TY72	101-1752	4TY88
9.7	353 RPM	1650	101-1036	4TY73	101-1012	4TY89
11.3	304 RPM	1600	101-1037	4TY74	101-1013	4TY90
14.1	243 RPM	1450	101-1038	4TY75	101-1014	4TY91
17.9	192 RPM	1350	101-1039	4TY76	101-1015	4TY92
22.6	152 RPM	1250	101-1040	4TY77	101-1016	4TY93
3/8-14 NPTF Port Thread						
3.6	962 RPM	2500	103-1540	5PZK1	103-1573	5PZK4
4.6	762 RPM	2500	103-1026	5PZJ4	103-1002	5PZH7
5.7	585 RPM	2500	103-1027	5PZJ5	103-1003	5PZH8
7.3	470 RPM	2500	103-1541	5PZK2	103-1574	5PZK5
8.8	385 RPM	2350	103-1542	5PZK3	—	—
10.1	353 RPM	2300	103-1028	5PZJ6	103-1004	5PZH9
11.4	303 RPM	2250	103-1029	5PZJ7	103-1005	5PZJ0
13.7	243 RPM	2050	103-1030	5PZJ8	103-1006	5PZJ1
18.2	192 RPM	1800	103-1031	5PZJ9	103-1007	5PZJ2
22.7	153 RPM	1500	103-1032	5PZK0	—	—
1/2-14 NPTF Port Thread						
22.7	153 RPM	1500	—	—	103-1008	5PZJ3
3/8-14 UNF Port Thread						
3.6	962 RPM	2000	—	—	103-1570	4UA14
4.6	762 RPM	2000	—	—	103-1010	4UA15
5.7	585 RPM	2000	—	—	103-1011	4UA16
7.3	470 RPM	2000	—	—	103-1571	4UA17
8.8	385 RPM	1900	—	—	103-1572	4UA18
10.1	353 RPM	1900	—	—	103-1012	4UA19
11.4	303 RPM	1850	103-1037	4UA10	103-1013	4UA20
13.7	243 RPM	1700	103-1038	4UA11	—	—
13.7	224 RPM	1700	—	—	103-1014	4UA21
18.2	192 RPM	1500	103-1039	4UA12	103-1015	4UA22
22.7	153 RPM	1300	103-1040	4UA13	103-1016	4UA23

Birotational Gear Pumps and Pumps/Motors



4F659

GC Series—Viton® lip seal, outboard bearing, and reversing check valves. Cast iron housing. 4-bolt 4F17 mounting with 1/2" keyed x 1 1/2" long shaft extension and side outlet ports. Max. shaft speed is 5000 rpm; min. speed is 750 rpm. 4F652 to 4F659 function as either pumps or motors.



Displacement (Cu. In./Rev.)	GPM @ 1800 rpm and 1000 psi	GPM @ 3600 RPM and 1000 PSI	Max. Continuous PSI	Ports (Inlet)	Ports (Outlet)	Mfr. Model	Item No.
Hydraulic Gear Pump							
0.065	0.51	1.01	3,000	3/16"-18	3/16"-18	1002496	4F649
0.097	0.6	1.2	3,000	3/16"-18	3/16"-18	1002497	4F650
0.129	0.8	1.6	3,000	3/4"-16	3/4"-16	1002498	4F651
Hydraulic Gear Pump/Motor							
0.194	1.2	2.5	3,000	3/4"-16	3/4"-16	1002499	4F652
0.258	1.6	3.3	3,000	3/4"-16	3/4"-16	1070054	4F653
0.323	2.6	5.3	3,000	7/8"-14	7/8"-14	1070043	4F654
0.388	2.4	5	3,000	7/8"-14	7/8"-14	1070045	4F655
0.453	2.8	5.8	2,750	7/8"-14	7/8"-14	1070047	4F656
0.517	3.1	8	2,500	7/8"-14	7/8"-14	1070049	4F657
0.647	3.9	8.3	2,000	7/8"-14	7/8"-14	1070035	4F658
0.711	4.3	9.1	1,800	7/8"-14	7/8"-14	1070033	4F659

* 1 cu. in./rev. = 16.4 cu. cm (cc).