



H-400 Series (Electric-Hydraulic) Drum Pumps

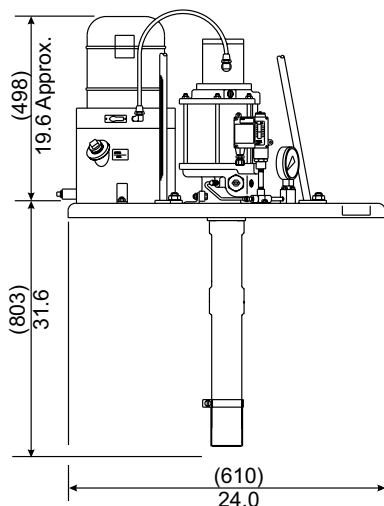
DESCRIPTION

These "original" container pumps utilize a 400 lb. (55 gal.) drum as their reservoir of grease. Eliminates time-consuming transfer and handling of lubricant. The H-400 Series is available in four different flow rates and can serve anywhere from 1 to 20 individual machines or Trabon Centralized Systems. Grease discharge is usually controlled by timer or "count control" adjustment. Pump is driven by a 1/2 hp motor which has power to deliver lubricant over long distances above or below ground. The H-400 pump comes equipped with a specially designed cover which slips over the top of a standard 400 lb. drum, includes as standard equipment pressure gauge and pressure switch to protect machinery.

FEATURES /BENEFITS

- No air supply required - plug it in and its ready to go.
- Sealed hydraulic power circuit assures long trouble free life.
- Standard 400 lb. (grease) or 55 gal. (oil) drum eliminates the transfer and handling of lubricant.
- Pump produces constant flow; unlike air powered pumps where flow rate varies with back pressure.
- Available with 1 ph or 3 ph, 1/2 HP motor or one of your own.
- Ideal for heavy duty applications in steel mills, cement mills and mining equipment.

DIMENSIONS mm (Inches)



OPERATION

The 1/2 HP motor is direct coupled to the hydraulic pump located within the hydraulic reservoir. Oil from this reservoir is pumped through the reversing mechanism which feeds oil alternately to the top and bottom of the hydraulic cylinder and back to the reservoir in a continuous cycle - thereby operating the hydraulic piston up and down. This action of the hydraulic piston controls the opening of the ports in the reversing mechanism and operates the pump piston. The action is entirely automatic. No springs or cams are used. Consequently there is nothing to wear. The pumping piston is double acting - i.e., it discharges on both the up and down strokes - thereby maintaining a constant, continuous, steady discharge.

The operation of the pump in a system is usually scheduled by a timer or controller and the pressure switch is wired to prevent excessive system pressure (opens motor circuit at a pre-selected pressure). When the H-400 series is used in dispensing applications, the pressure switch is wired to initiate motor operation when the outlet pressure drops and to turn off when outlet pressure rises to a preset level (not to exceed 3500 psi).

SPECIFICATION	
Motor	1/2 HP, 56 C frame, TEFC, 115/230 VAC, 1 ph 60 Hz, 1725 RPM Full Load @ 115 VAC - 9.0A Full Load @ 230 VAC - 4.5A
Motor	1/2 HP, 56 C frame, TEFC, 230/460 VAC, 3 ph, 60 Hz, 1725 RPM Full Load @ 230 VAC - 3.0A Full Load @ 460 VAC - 1.5A
Pressure	600-6000 psi (41-414 bar) Factory set @ 3200 psi (221 bar) 125-480 VAC - 15A 125 VDC - 1A
Pressure Gauge	0-5000 psi (0-350 bar)
Pressure	3500 max psi (241 bar)
Flow	Input Flow - 2.5 L (156.0 in ³) per cycle Output Flow - 137.7 cc (8.4 in ³) per cycle *Flow Rates - 98.3, 180.3, 360.6, 622.8 cc/min (6, 11, 22, 38 in ³ /min)
Lubricant	Oil or Grease up to NLGI #2 (Lubricant must be pumpable at lowest operating temperature)
Reservoir (By User)	Standard 400 lb (grease) or 55 gal (oil)

*When driven by 1725 RPM motor

COMPONENT ORDERING INFORMATION		
Description	Part No.	Old Part No.
H-430 (6 in ³ /min)	564260	145-000-020
H-420 (11 in ³ /min)	564259	145-000-010
H-410 (22 in ³ /min)	562863	145-000-260
H-411 (38 in ³ /min)	564261	145-000-050
Motors		
1/2 HP, 115/230 VAC	557271	492-380-040
1/2 HP, 230-460 VAC	557270	492-380-030
Spare Parts & Repair Kits		
H-400 Pump Only	563402	525-401-002
Pump Repair Kit	563922	560-001-790
Pump Piston Kit (3 Required)	557688	525-492-000
Reverser Assembly	563408	525-542-000
Reverser Repair Kit	-	525-523-000
Pressure Switch	563404	525-488-001
Pressure Gauge	557352	503-557-001
Outlet Strainer	557376	506-993-000
Power Units		
H-430	564392	525-508-000
H-420	564391	525-507-000
H-410	563406	525-506-000
H-411	564390	525-505-000

All written and visual data contained in this document are based on the latest product information available at the time of publication. Graco reserves the right to make changes at any time without notice.

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