

Grease Pumps

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### Heavy-Duty Transfer Pump

High pressure and high volume double acting grease pump for use in transfer applications. These pumps can be used with all types of grease up to NLGI-2.

Pumps can be mounted to 120 lb and 400 lb open drums using an adequate drum cover and follower plate or to various types of grease bins and other containers. Grease bins normally have a 3" Cam Lock to which pump can be connected.

#### 8" Air motor

Mechanically actuated air valve with only three moving parts and no springs. 8" effective area for maximum pumping power

#### Efficient air exhaust

No ice forming, no stalling pump operation

#### Long life packings

Anti-corrosion, hardened plunger and cartridge packings assembly designed for low friction.

#### High quality materials

Low friction polyurethane and UHMWPE seals, hard chromed steel, fluid plunger and steel valves for fewer repairs.

#### Ductile cast iron pump body

For superior properties

#### Pump Inlet Valve

Chop-check priming valve, assists the entry of heavy and sticky grease

### TECHNICAL SPECIFICATIONS

|                                |   |
|--------------------------------|---|
| Pump ratio                     | 35:1  |
| Air pressure operating range   | 20 to 100 psi (1.5 - 7 bar)   |
| Air consumption <sup>(1)</sup> | 35 scfm (1.000 NI/min)  |
| Maximum outlet pressure        | 3,500 psi (245 bar)   |
| Air motor effective diameter   | 8" (200 mm)   |
| Air motor stroke               | 4" (100 mm)   |
| Maximum free flow              | 35 lb/min (16 kg/min)   |
| Air inlet                      | 1/2" NPT(F)   |
| Fluid outlet                   | 1" NPT(F)   |
| Wetted materials               | Cast iron, hard chromed steel, carbon steel, zinc plated steel, NBR, fillet PTFE, polyurethane, POM |
| Noise level                    | Pump noise level meets OSHA requirements at all recommended operating air pressures                 |
| Manual                         | 853 864   |

*(1) Air consumption at 70 bar (5 bar) air pressure, NLGI-2 grease at 68 °F (20 °C) and 60 cpm.*

### ORDER INFORMATION

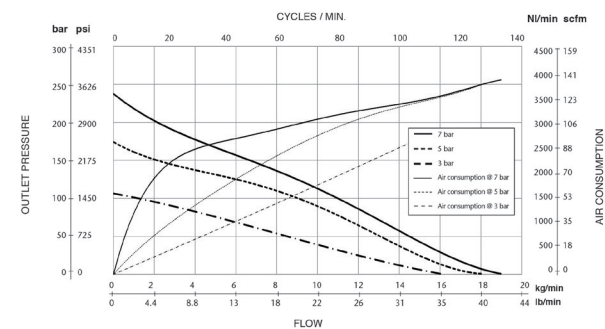
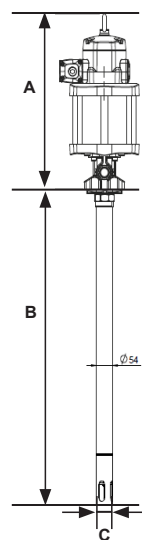
|                |   |
|----------------|---|
| <b>533 311</b> | PM80 35:1 400 lb drum, grease transfer pump |
| <b>533 321</b> | PM80 35:1 120 lb keg, grease transfer pump  |
| <b>533 331</b> | PM80 35:1 35 lb pail, grease transfer pump  |

### MARKETS SERVED

- Mining and construction
- Railroad and mass transit maintenance
- Industrial
- Lube trucks
- Marine



### FLUIDS HANDLED

- Grease up to NLGI-2




| IN(MM)   | <b>533 311</b> | <b>533 321</b> | <b>533 331</b> |
|----------|----------------|----------------|----------------|
| <b>A</b> | 56 1/2" (1499) | 49 1/3" (1254) | 36" (914)      |
| <b>B</b> | 36" (925)      | 29" (740)      | 20 1/3" (516)  |
| <b>C</b> | 2" (54)        | 2" (54)        | 2" (54)        |

### Drum Covers

|   |                |  |
|---|----------------|--|
|  | <b>418 017</b> | 120 lb Keg cover<br>PM45/60/80             |
|  | <b>418 026</b> | 400 lb Heavy-duty drum cover<br>PM45/60/80 |

### Follower Plates

|   |                |   |
|---|----------------|---|
|  | <b>417 009</b> | 400 lb Heavy-duty follower plate for<br>PM45 10:1 and PM80 35:1 grease<br>pumps |
|---|----------------|---|