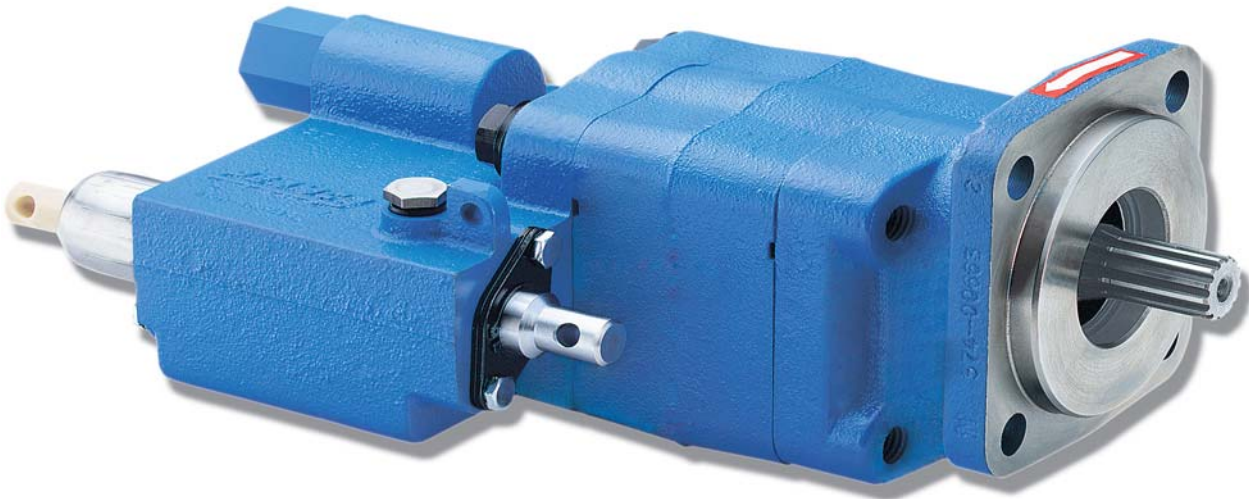


# PERMCO

# DUMP PUMPS

*PUMP/VALVE ASSEMBLY FOR MEDIUM AND LIGHT DUTY DUMP TRUCKS AND TRAILERS*



*DMD-400 Series*

## *DUMP PUMP FEATURES*

- Pump and cylinder protected in the “Raise” and “Neutral” position of the spool
- Manual or air shifts each with full metering capabilities
- Built-in load check maintains dump body angle and is installed in the cylinder port for superior self-cleaning
- Direct mount SAE “B” 4 bolt or twin shafted remote mount with bracket, other options available
- Built-in direct acting relief valve set at factory
- 100% factory tested
- Flows of 21 and 29 GPM at 1800 RPM
- Pressures to 2500 PSI
- Speeds to 2400 RPM
- High strength alloy steel gear and shaft set
- Neutral lock-out safety cap for use with pull-out cable
- 2 line for intermittent duty or 3 line for continuous duty
- Low weight: 36 lbs. for unit with remote mount configuration
- Pressure balanced wear plates maintain high pump efficiency throughout all operating ranges



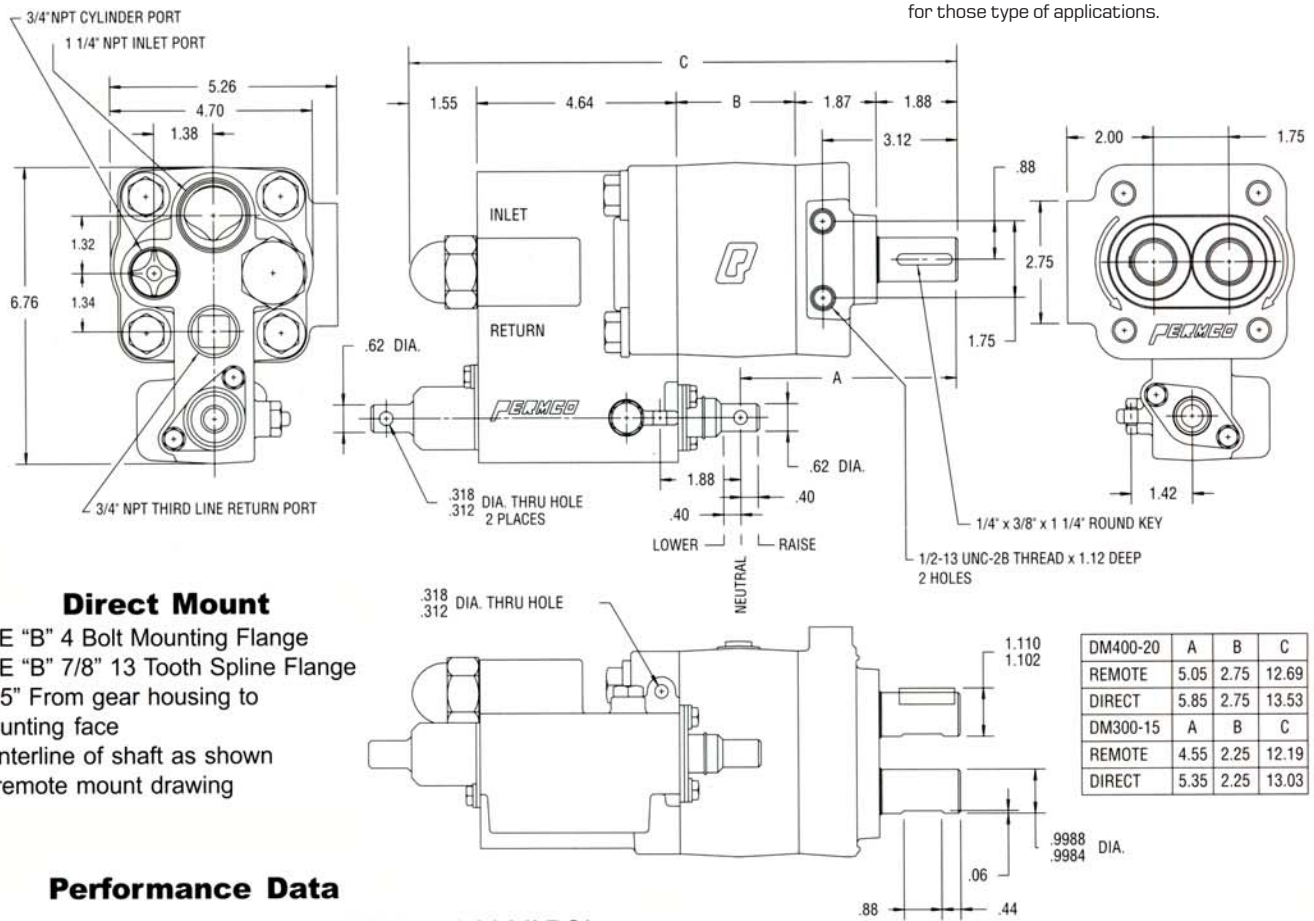
*DMR-400 Series*



## *The Sensible Choice*

# Dimensional Data (inches)

Dump Pumps are not recommended for ejector, conveyor, or moving floor type applications; please refer to Gemini brochure (bult # 02-402G) for those type of applications.



### Direct Mount

SAE "B" 4 Bolt Mounting Flange  
 SAE "B" 7/8" 13 Tooth Spline Flange  
 2.95" From gear housing to mounting face  
 Centerline of shaft as shown in remote mount drawing

### Performance Data

DM\*300 21.5 GPM @ 1800 RPM and 2000 PSI  
 DM\*400 29.4 GPM @ 1800 RPM and 2000 PSI

DM400-20	A	B	C
REMOTE	5.05	2.75	12.69
DIRECT	5.85	2.75	13.53
DM300-15	A	B	C
REMOTE	4.55	2.25	12.19
DIRECT	5.35	2.25	13.03

## Pump Code

**DM\* - 400 - 20 - \*\* - 200 - AS**

Dump Pump

**D** Direct Mount

**R** Remote Mount

Cubic inch Displacement

**300** 3.0 cu. in. / 1.5" gear

**400** 4.0 cu.in. / 2.0" gear (Std.)

**15** 1.5" Gear

**20** 2.0" Gear (Std.)

**Z** With 3 line sleeve

**X** Without sleeve

**AS** Air Shift

**Delete** Manual Shift

Relief Valve Setting

**200** 2000 PSI

Direct Mount / Rotation

**L** Left hand rotation

**R** Right hand rotation

Remote Mount / Valve Orientation

**L** Left side (Std.)

**R** Right side

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