

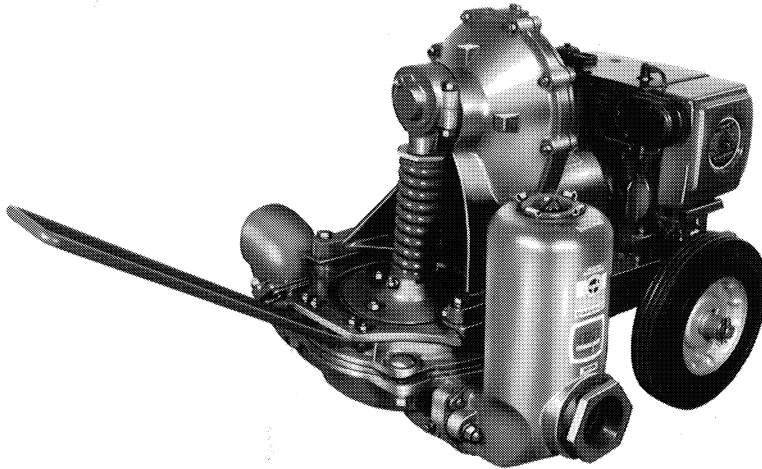
A C

Self Priming Diaphragm Pump

Gasoline Engine Driven

Model 4D-M8

Size 4" or 3" x 4"



PUMP SPECIFICATIONS

Size: 4" [101,6 mm] or 3" [76,2 mm] x 4" [101,6 mm]

NPT-Female

Maximum Diameter Spherical Solids: 2 1/4" [57,1 mm]

With 3" [76,2 mm] NPT Suction

Suction Chamber: Aluminum Almag. No. 35

Discharge Flange: Aluminum No. 356-T6

Gaskets: Neoprene, Vegetable Fiber

Eccentric Shaft: Ductile Iron No. 60-40-18

Eccentric Bearing: Roller Type

Eccentric Cap: Gray Iron No. 30

Eccentric Housing: Gray Iron No. 30

Gear Housing: Aluminum No. 356-T6

Gear Housing Cover: Aluminum Almag. No. 35

Gears: Steel No. 1050

Drive Pinion: Alloy Steel No. 8620

Plunger Spring: Spring Steel No. 5160

Drive Shaft: Steel No. 1045

Diaphragm: Neoprene

Diaphragm Pot: Aluminum Almag. No. 35

Diaphragm Ring: Aluminum Almag. No. 35

Upper Diaphragm Plate: Gray Iron No. 30

Lower Diaphragm Plate: Steel No. 1018

Valve Seat: Gray Iron No. 30

Flap Valve: Neoprene

Small Valve Weight: Steel No. 1018

Large Valve Weight: Steel No. 1018

WARNING

DO NOT USE IN EXPLOSIVE
ATMOSPHERE OR FOR PUMPING
VOLATILE FLAMMABLE LIQUIDS

PUMP DATA

Maximum RPM: 52

BHP Required: 3

Gear Ratio: 45.85:1

Mounting: 2 Wheel Truck Assy. with Semi-Pneumatic
Tires, 12" [304,8 mm] x 3" [76,2 mm] Standard

Standard Equipment:

Strainer

Flexible Coupling and Guard

Optional Equipment:

Stationary Base

ENGINE SPECIFICATIONS

Model: Kohler M8PT

Type: Single Cylinder, Four Cycle,
Air Cooled, Gasoline Engine

Displacement: 18.64 Cu. In. [30 L]

Governor: Adjustable, Mechanical

Carburetor: Fixed Jet

Lubrication: Splash System

Air Cleaner: Dry Type, Dual Element

Oil Reservoir: 2.5 U.S. Pints [1.2 L]

Fuel Tank: 1.25 U.S. Gallons [4.7 L]

Operating Time; Full Load: 1.56 Hours

Starter: Rope Rewind

Standard Features:

Muffler

Oil Sentry™ Low Oil Shut

Manual Throttle and Choke Control

Optional:

12 Volt Starter/Generator

KOHLER PUBLISHED PERFORMANCE

Max. Cont. B.H.P. 6.4 @ 3600 RPM

Max. Dyn. B.H.P. 8.0 @ 3600 RPM



THE GORMAN-RUPP COMPANY • MANSFIELD, OHIO

GORMAN-RUPP OF CANADA LIMITED • ST. THOMAS, ONTARIO, CANADA

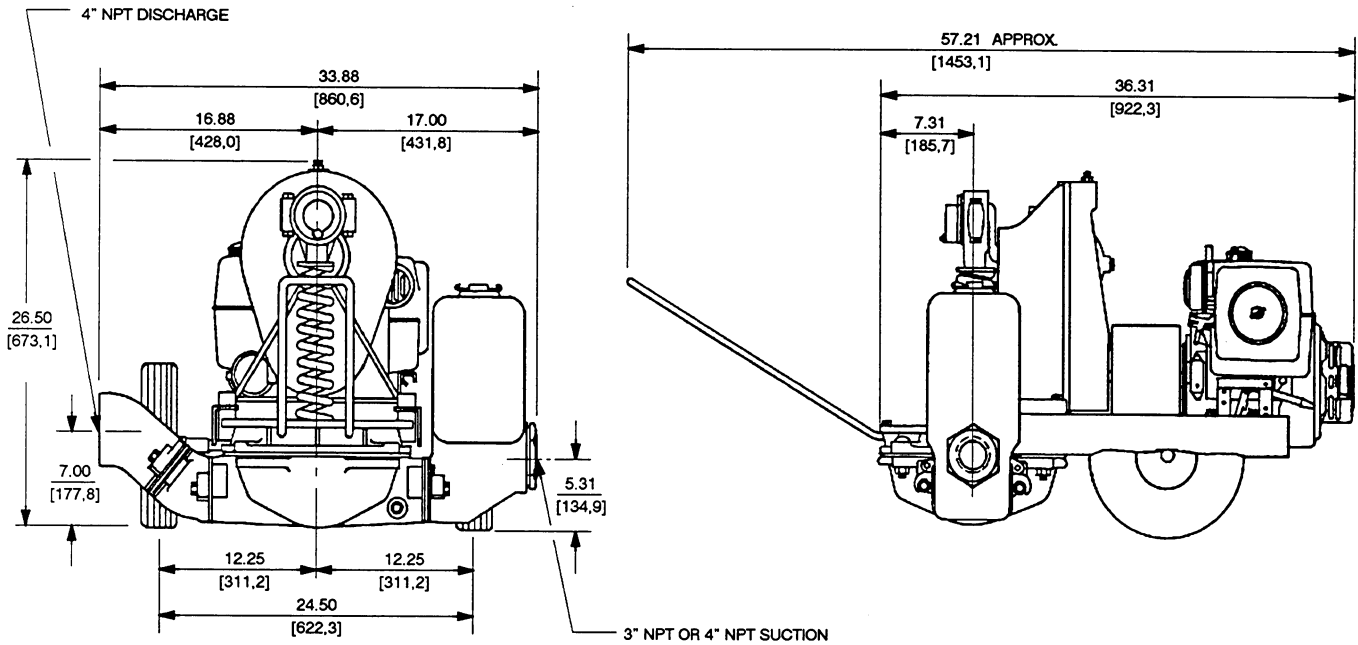
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Specification Data

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OVERALL DIMENSIONS
and
WEIGHTS APPROXIMATE

	STATIONARY BASE	2-WHEEL
NET WEIGHT:	339 LBS. [154 KG.]	319 LBS. [145 KG.]
SHIPPING WEIGHTS:	414 LBS. [188 KG.]	394 LBS. [179 KG.]
EXPORT CRATE:	23 CU. FT. [.65 CU. M.]	25 CU. FT. [.71 CU. M.]



DIMENSIONS
INCHES
[MILLIMETERS]

POWERED BY KOHLER 8 HP ENGINE

4D PUMP PERFORMANCE

IN GALLONS PER MINUTE
52 STROKES PER MINUTE

STATIC LIFT FEET	STATIC DISCHARGE HEAD IN FEET					
	0	5	10	15	20	25
5	150	125	119	113	112	104
10	126	118	108	105	105	100
15	98	97	75	74	73	70
20	94	82	74	73	66	63
25	74	82	70	66	60	52

IN LITERS PER MINUTE
52 STROKES PER MINUTE

STATIC LIFT METERS	STATIC DISCHARGE HEAD IN METERS					
	0	1.5	3.0	4.6	6.1	7.6
1.5	567.8	473.1	450.4	427.7	423.9	393.6
3.0	476.9	446.6	408.8	397.4	397.4	378.5
4.6	370.9	367.1	283.8	280.1	276.3	264.9
6.1	355.8	310.3	280.1	276.3	249.8	238.4
7.6	280.1	310.3	264.9	249.8	227.1	196.8

Test Performance -
Above Performance with 70° Clear Water at Sea Level Using 3-inch (7.62) CM Suction Hose and 4-inch (10.2 CM) Non-Collapsible Discharge Hose.



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