



FOR INDUSTRIAL APPLICATION

"GEAR PUMP" GL Series for Low Viscosity Oil

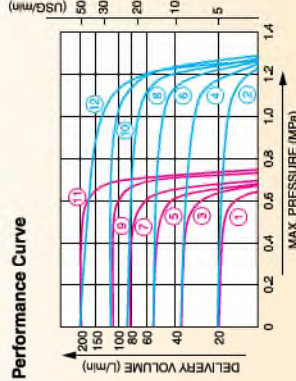
- Safety by-pass function protects pump.

Applications

- Kerosene
- Machine Oil
- Heavy Oil
- Light Oil



Performance Curve



GL-25-5

* Must not be used for gasoline.

Specifications

Model	GL-13-5	GL-13-10	GL-20-5	GL-20-10	GL-25-5	GL-25-10	GL-32-5	GL-32-10	GL-40-5	GL-40-10	GL-50-5	GL-50-10
Performance Curve No.	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫
Connection Dia	13 mm (½")	20 mm (¾")	25 mm (1")	32 mm (1 ¼")	40 mm (1 ½")	50 mm (2")	63 mm (2 ½")	80 mm (3")	100 mm (4")	125 mm (5")	160 mm (6 ¼")	200 mm (8")
Power	0.4 kW	0.75 kW	1.5 kW	1.5 kW	2.2 kW	2.2 kW	3.7 kW	3.7 kW	5.5 kW	5.5 kW	7.5 kW	7.5 kW
Poles	4 P						6 P					
Max. Pressure	0.5 MPa (5 kg/cm²)	1 MPa (10 kg/cm²)	0.5 MPa (5 kg/cm²)	1 MPa (10 kg/cm²)	0.5 MPa (5 kg/cm²)	1 MPa (10 kg/cm²)	0.5 MPa (5 kg/cm²)	1 MPa (10 kg/cm²)	0.5 MPa (5 kg/cm²)	1 MPa (10 kg/cm²)	0.5 MPa (5 kg/cm²)	1 MPa (10 kg/cm²)
Delivery (1720 rpm)	20 L/min (5 USG/min)	35 L/min (9 USG/min)	55 L/min (14 USG/min)	85 L/min (22 USG/min)	123 L/min (32 USG/min)	160 L/min (42 USG/min)	200 L/min (52 USG/min)	280 L/min (74 USG/min)	370 L/min (97 USG/min)	470 L/min (123 USG/min)	600 L/min (157 USG/min)	800 L/min (209 USG/min)
Volume (50 Hz (1450 rpm))	17 L/min (4 USG/min)	29 L/min (7 USG/min)	46 L/min (12 USG/min)	71 L/min (18 USG/min)	100 L/min (26 USG/min)	130 L/min (34 USG/min)	165 L/min (43 USG/min)	210 L/min (55 USG/min)	270 L/min (70 USG/min)	350 L/min (91 USG/min)	450 L/min (117 USG/min)	600 L/min (157 USG/min)
Coupling	ZDC						JIS					
Pump Shaft Dia	φ16 mm						φ22 mm					
Gross Weight	8 kg	8.5 kg	9 kg	11 kg	11 kg	11 kg	21 kg	21 kg	23 kg	23 kg	23 kg	23 kg
Dimensions L×W×K (mm)	234 × 160 × 170						234 × 160 × 170					
Packing Unit	1						1					

"CHANGE MASTER" Oil Change Pumps

- Powerful pump transfers high viscosity oil. (Up to 800 cst)
- Highly recommended for motor oil change.
- Safety by-pass valve protects pump.

Applications

- Motor Oil
- Machine Oil
- Heavy Oil
- Light Oil



* Must not be used for gasoline.

Specifications

Model	GM-2524H
Dia of Hose Inlet	25 mm (1")
Dia of Hose Outlet	20 mm (¾")
Inner Pipe Thread	
Connection Thread	
Max. Delivery Pressure	0.2 MPa (2 kgf/cm²)
Delivery Volume	20 L/min (5 USG/min)
Applicable Viscosity	800 cst
Voltage	DC 24 V
Rated Current	16 A
Output	200 W
Revolution	6200 rpm
Rating	25 min
Cable Length	5 m (16 ft)
Gross Weight	10 kg
Dimensions L×W×H (mm)	320 × 188 × 268
Packing Unit	1



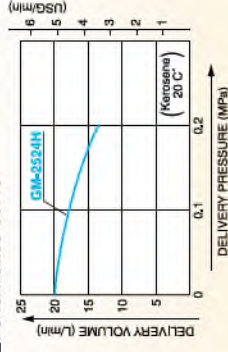
GM-2524H

E-type Hose Set for GM Pumps

- Suction Dia: 25 mm x 2 m
- Delivery Dia: 20 mm x 2 m
- 1 Nozzle, 1 Strainer, 2 Joints



Performance Curve



"FS PUMP" Self-priming Pump for Low Viscosity Oil



FS-24D

* Must not be used for gasoline.

Specifications

Model	FS-12D	FS-24D
Connection Dia	20 mm (¾")	20 mm (¾")
Total Head	7 m (23 ft)	10 m (30 ft)
Delivery Volume	40 L/min (10 USG/min)	50 L/min (13 USG/min)
Voltage	DC 12 V	DC 24 V
Rated Current	15 A	15 A
Output	80 W	90 W
Revolution	7300 rpm	7300 rpm
Gross Weight	20 kg	20 kg
Dimensions L×W×H (mm)	790 × 315 × 240	790 × 315 × 240
Packing Unit	5	5

T-type Hose Set for FS Pumps

- Suction Dia: 20 mm x 2 m
- Delivery Dia: 20 mm x 2 m
- 1 Nozzle, 1 Strainer, 2 Quick Joints



Performance Curve

