



Hydraulic Gear Motor

Model GM-F10



The Model GM-F10 Gear Motor is constructed of an aluminum gear body and end plates and is available in 8 displacement sizes from 0.08 - 0.48 in³/rev. (1.3 - 8.0 cm³/rev). The standard mounting flange is a SAE AA - 2-bolt; standard ports are SAE-6 inlet and SAE-6 outlet; and the drive shaft is a 1/2" diameter straight shaft with 1/8" key.

Recommended working conditions:

FILTRATION: 25 micron or better
OIL TEMP: -25° - 80° C (-12° - 175° F)

OIL VISCOSITY: 6 - 200 cSt
AMBIENT -22° - 55° C (-8° - 130° F)

INLET PRESSURE: 12 - 32 psi absolute

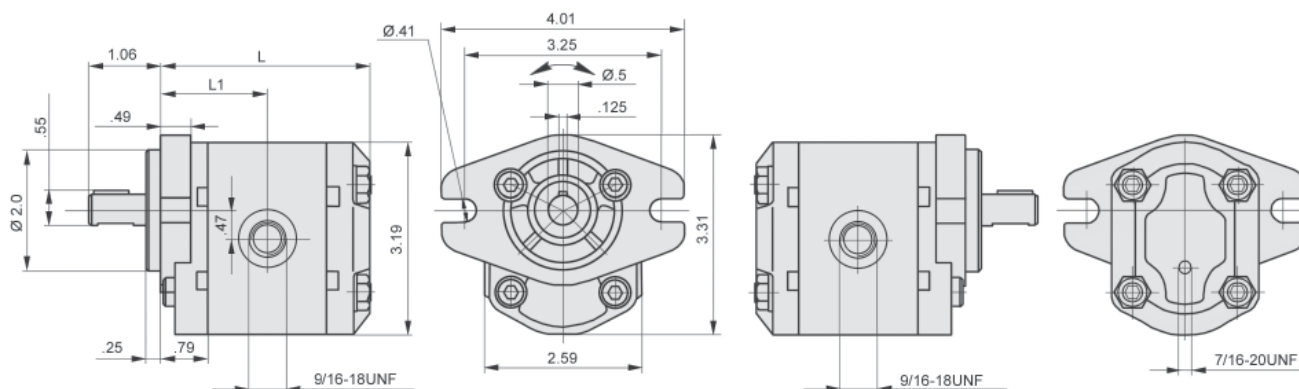
Technical Specifications

Model	Displacement in ³ (cm ³) / rev	Pressure psi	Speed - rpm		Weight lbs
			Rated	Max	
GM-F10-13	0.08 (1.3)	3625	2000	5000	6.02
GM-F10-20	0.12 (2.0)	3625	2000	5000	6.31
GM-F10-27	0.16 (2.7)	3625	2000	5000	6.68
GM-F10-34	0.20 (3.4)	3625	2000	5000	6.99
GM-F10-41	0.25 (4.1)	3625	2000	4000	7.34
GM-F10-51	0.31 (5.1)	3625	2000	4000	7.78
GM-F10-61	0.37 (6.1)	3625	2000	4000	8.18
GM-F10-80	0.48 (8.0)	3480	2000	4000	9.01

Installation Data

Model	L	L1	Ports	
			In	Out
GM-F10-13	3.23"	1.65"	SAE-6	SAE-6
GM-F10-20	3.30"	1.69"	SAE-6	SAE-6
GM-F10-27	3.39"	1.73"	SAE-6	SAE-6
GM-F10-34	3.46"	1.77"	SAE-6	SAE-6
GM-F10-41	3.54"	1.81"	SAE-6	SAE-6
GM-F10-51	3.66"	1.87"	SAE-6	SAE-6
GM-F10-61	3.78"	1.93"	SAE-6	SAE-6
GM-F10-80	3.97"	2.01"	SAE-6	SAE-6

Flow Rate (gpm) = Displacement (in³/rev) X Speed (rpm) / 231
Volumetric efficiency % ≥93



Ordering Example: **GM** - **F10** - **20** - **P** - **C**

Category

GM =
Gear Motor

Series

F10 =
F10 Series

Frame Size

13/20/27/34
41/51/61/80

Drive Shaft

P = 1/2" dia. Straight

Rotation

C = Clockwise
A = Counter-Clockwise
B = Bidirectional*
(viewed from shaft end)

*Special Order