



Technical Data

Series GD

Order Code				Options			
Base Code		Gear Set		Drive Mount			
G	D	-	M35				
1	2	3	4	5	6	7	8
Model			Wetted Materials				
				O/C: Pump S/K: Service Kit			

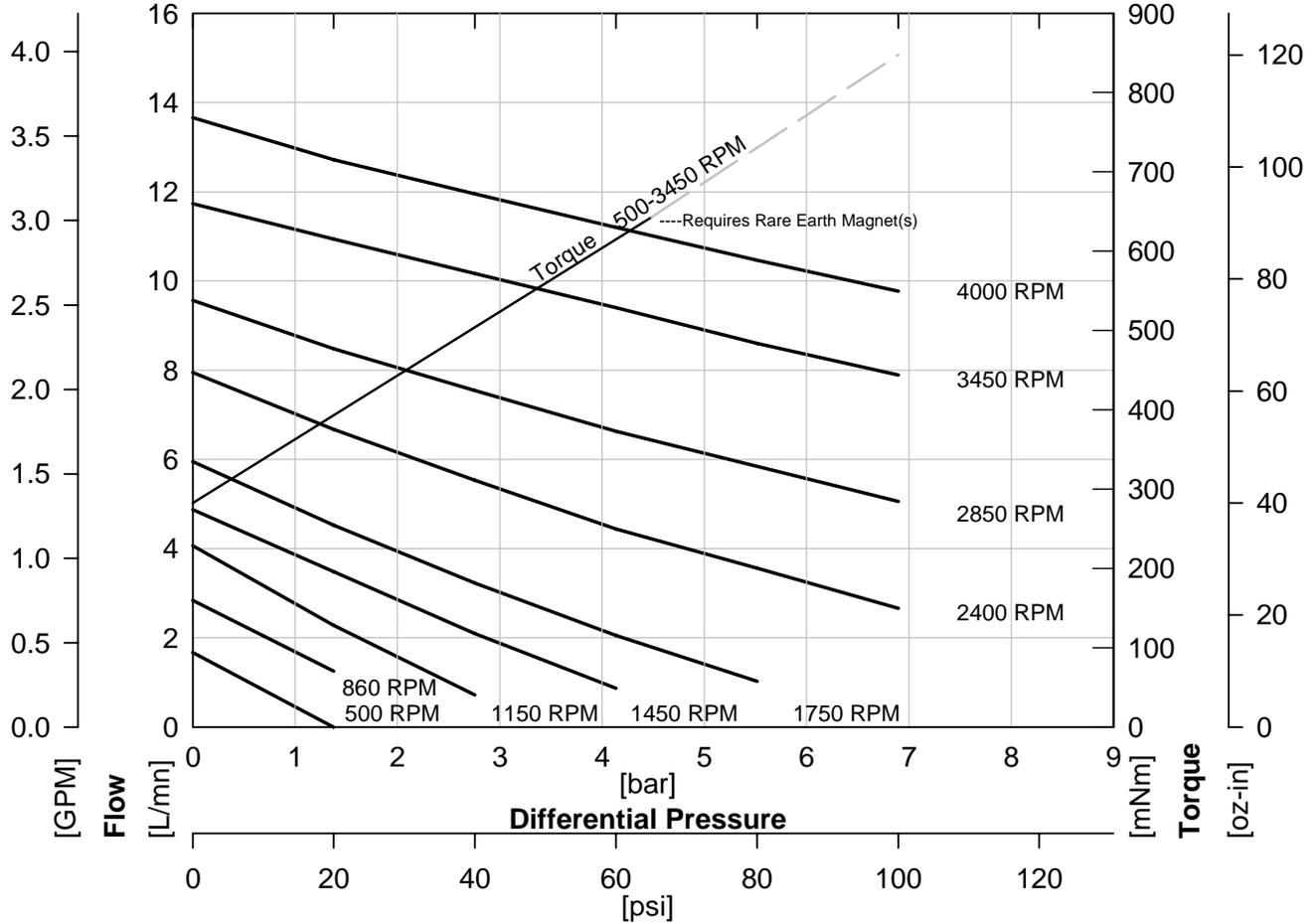
Pump Construction
 Magnetic Drive Gear Pump
 Cavity Style
 Three Helical Gears/DP20
 Stationary Shafts
 O-Ring Seal (Qty 1)



Performance

GD-M35

Water @ 1 CP



ACTUAL PERFORMANCE MAY VARY - Specifications are subject to change without notice. When multiple specs are noted, the most conservative value applies.

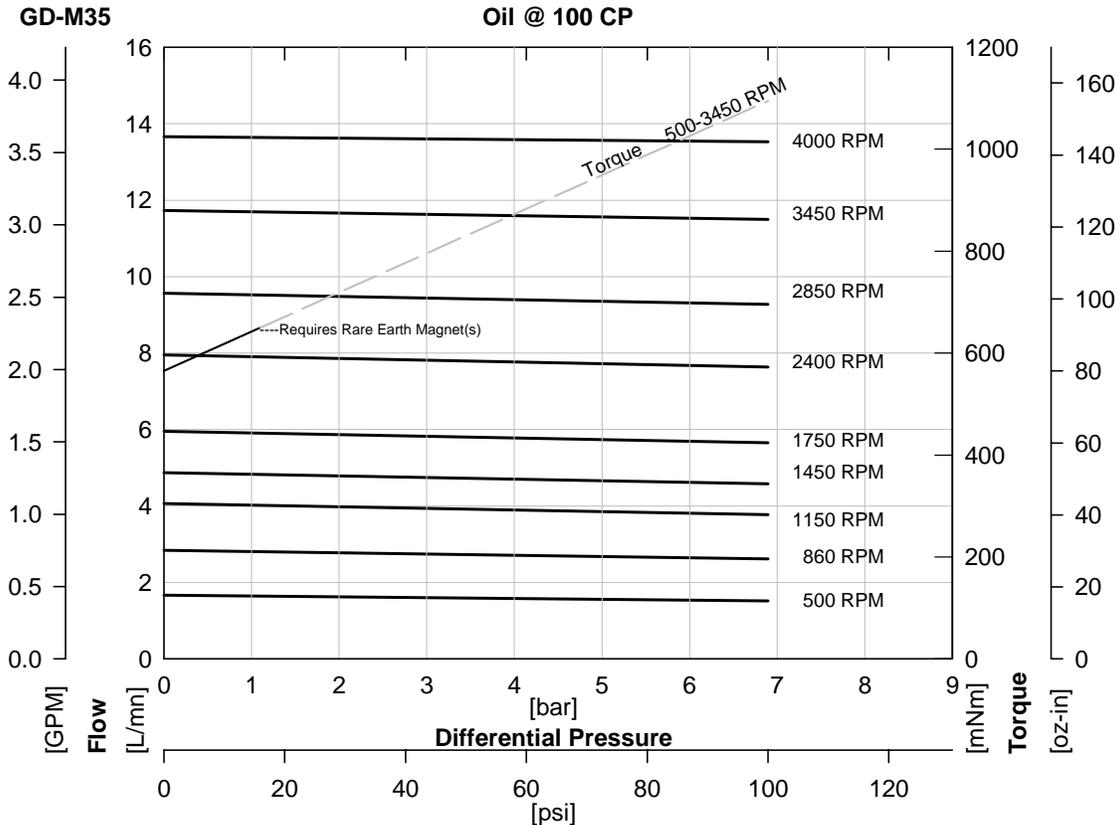
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Order Code				Pump Construction			
Base Code		Gear Set	Drive Mount	Magnetic Drive Gear Pump			
G	D	-	M35	Cavity Style			
1	2	3	4	Three Helical Gears/DP20			
Model			5	6	7	8	Stationary Shafts
			Wetted Materials				O-Ring Seal (Qty 1)
				Options			
				O/C: Pump			
				S/K: Service Kit			



Performance-High Viscosity



$$\text{Watts} = \frac{\text{Torque [mNm]} \times \text{Speed [RPM]}}{9555}$$

$$\text{HP} = \frac{\text{Torque [oz-in]} \times \text{Speed [RPM]}}{1.008 \times 10^6}$$

To calculate torque, multiply correction factor by torque from viscosity curve above.

Torque Correction Factors: For Higher Viscosity Liquids				
Viscosity [cp]		1	100	1500
Max Speed [RPM]		3450	3450	200
[Bar]	[psi]			
0.3	5	0.5	1	0.8
1.4	20	0.6	1	0.8
2.8	40	0.6	1	0.9
4.1	60	0.7	1	0.9
5.5	80	0.7	1	0.9
6.9	100	0.8	1	1.0

Magnet Decouple Torque			
Driven Magnet	Driving Hub	Torque [mNm]	Torque [oz.in]
Ferrite	Ferrite	643	91
Ferrite	SmCo	819	116
Ferrite	NdFeB	1073	152
SmCo	Ferrite	1222	173
SmCo	SmCo	1483	210
SmCo	NdFeB	1780	252

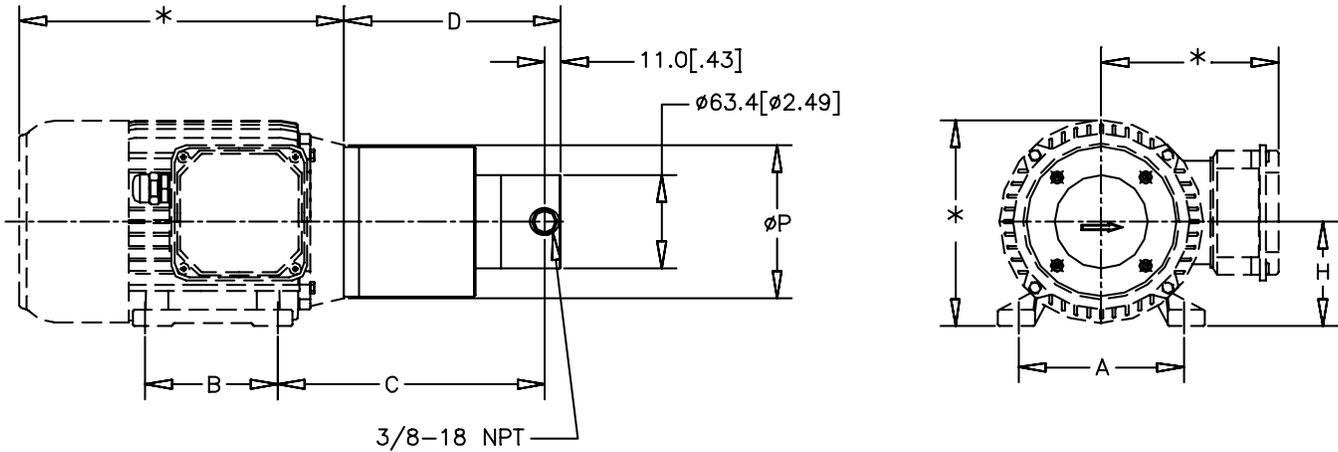
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Order Code				Pump Construction			
Base Code		Gear Set		Drive Mount		Options	
G	D	-	M35	4	6	4/6	
1	2	3	4	5	6	7	8
Model			Wetted Materials				O/C: Pump S/K: Service Kit
Pump Construction Magnetic Drive Gear Pump Cavity Style Three Helical Gears/DP20 Stationary Shafts O-Ring Seal (Qty 1)							



Dimensions



PUMP	MOUNT	A mm [in]	B mm [in]	C mm [in]	D mm [in]	H mm [in]	P mm [in]
GD-M35	4 IEC63B14B3	100 [3.94]	80 [3.15]	168.9 [6.65]	139.9 [5.51]	63 [2.48]	90 [3.54]
	6 IEC71B14B3	112 [4.41]	90 [3.54]	180.9 [7.12]	139.9 [5.51]	71 [2.80]	105 [4.13]

NOTES:

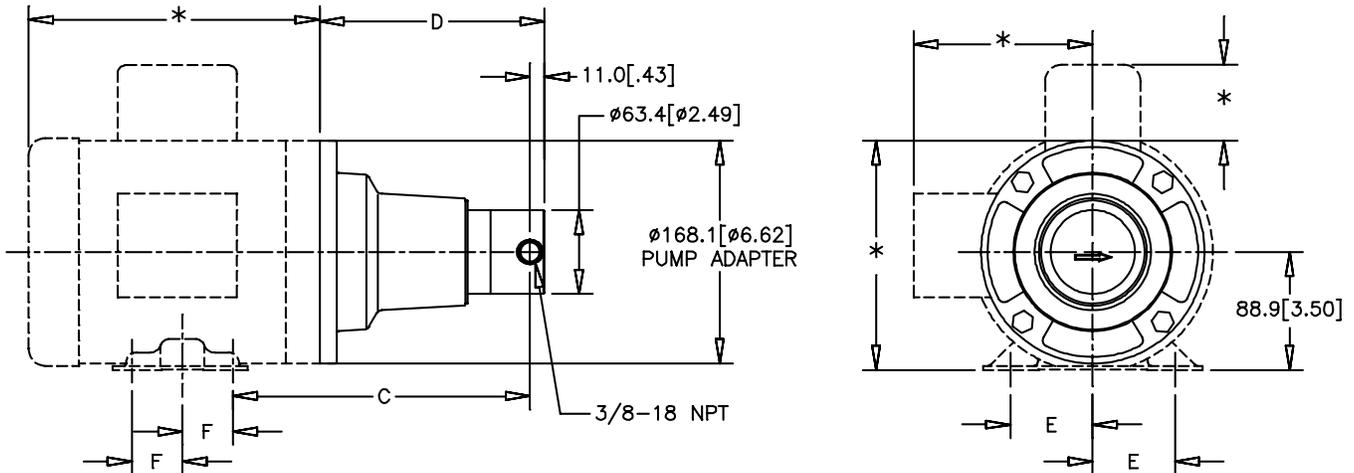
1. *THESE DIMENSIONS WILL VARY BASED ON MOTOR SELECTION.
2. ALL DIMENSIONS ARE NOMINAL.

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Order Code								Pump Construction		
Base Code		Gear Set		Drive Mount		Options		Magnetic Drive Gear Pump Cavity Style Three Helical Gears/DP20 Stationary Shafts O-Ring Seal (Qty 1)		
G	D	-	M35				E			
1	2	3	4	5	6	7	8			
Model			Wetted Materials			O/C: Pump S/K: Service Kit				

Dimensions



PUMP	MOUNT	C mm [in]	D mm [in]	E mm [in]	F mm [in]
GC-M23	E NEMA 56C	206.4 [8.13]	152.1 [5.99]	61.9 [2.44]	38.1 [1.50]
	K	201.5 [7.94]	152.1 [5.99]	69.9 [2.75]	50.8 [2.00]
	K NEMA 145TC	201.5 [7.94]	152.1 [5.99]	69.9 [2.75]	63.5 [2.50]
GC-M25/M35 GD-M35	E NEMA 56C	223.5 [8.80]	169.2 [6.66]	61.9 [2.44]	38.1 [1.50]
	K NEMA 143TC	218.7 [8.61]	169.2 [6.66]	69.9 [2.75]	50.8 [2.00]
	K NEMA 145TC	218.7 [8.61]	169.2 [6.66]	69.9 [2.75]	63.5 [2.50]

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