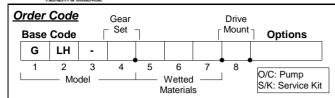


Series GLH



Pump Construction
Magnetic Drive Gear Pump
Cavity Style
Two Helical, Shafted Gears/DP12
Sleeve Bushings
O-Ring Seals (Qty 3)



Product Options

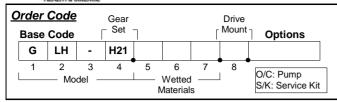
1	Code	Product Type	numbered position to config			Notes
1	G	Gear Pump	opecinications .			Notes
2		Product Series	Max System Pressure (MAWP)	Ports		
	LH	Series GLH	103 Bar (1500 psi)	3/4-14 (F) NPT Side Ports		
3		Modifier				
	-	Standard Design				
4		Gear Set (Width/NºGears/Pitch)	Displacement	Max Differential Pressure	Driven Magnet (Standard)	
	H25	1.250/2/12	7.7 ml/rev (2.0 gal/1000*rev)	6.9 Bar (100 psi)	Samarium Cobalt (SmCo)	
	H23	1.000/2/12	6.2 ml/rev (1.6 gal/1000*rev)	8.7 Bar (125 psi)	Samarium Cobalt (SmCo)	
	H21	0.750/2/12	4.6 ml/rev (1.2 gal/1000*rev)	8.7 Bar (125 psi)	Samarium Cobalt (SmCo)	
5		Gear Material		Max Differential Pressure	Temp Range	
	J	PEEK (carbon fiber/ptfe)		8.7 Bar (125 psi)	-46/121°C (-50/250°F)	
	F	PTFE		3.5 Bar (50 psi)	-46/54°C (-50/130°F)	1
6		Static Seals			Temp Range	
	٧	Viton®			-29/204°C (-20/400°F)	
	F	PTFE			-46/232°C (-50/450°F)	
7		Base Materials				
	S	SS316				
8		Drive Mount	Max System Pressure (MAWP)		Weight (Pumphead)	
	K	NEMA 143/145TC	103 Bar (1500 psi)		3.9 kg (8.6 lbs)	
	E	NEMA 56C	103 Bar (1500 psi)		3.9 kg (8.6 lbs)	
	8	IEC 80-B14	103 Bar (1500 psi)		3.9 kg (8.6 lbs)	
	6	IEC 71-B14	103 Bar (1500 psi)		3.9 kg (8.6 lbs)	
Opti	ons	Add Option codes after the Base (Code to modify features or e	enhance the product.		
•		Driving Magnet (PC13)	•	•	Temp Range	
	N0	Ferrite Driving			-46/99°C (-50/210°F)	2
	N3	NdFeB Driving (Ring)			-46/82°C (-50/180°F)	
	N1	SmCo Driving (Segments)			-46/260°C (-50/500°F)	

Notes

- 1 PTFE gears come standard with Rulon® bushings
- 2 Driving Magnet (Hub) Sold Separately



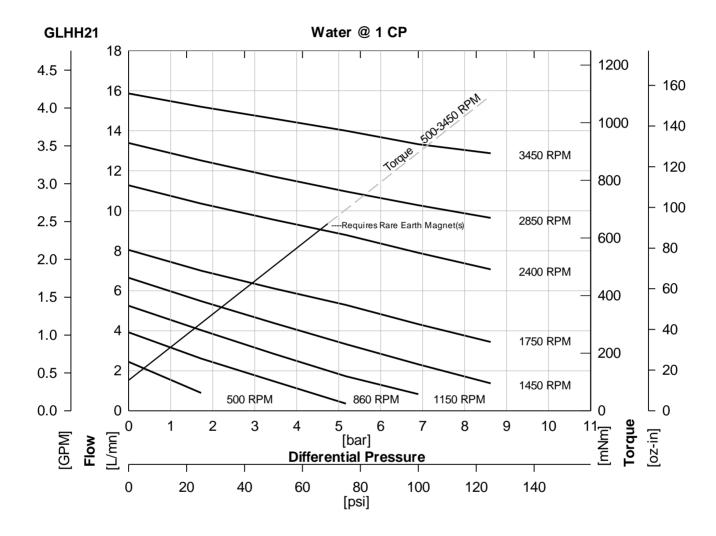
Series GLH



Pump Construction
Magnetic Drive Gear Pump
Cavity Style
Two Helical, Shafted Gears/DP12
Sleeve Bushings
O-Ring Seals (Qty 3)

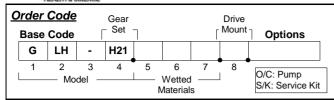


Performance





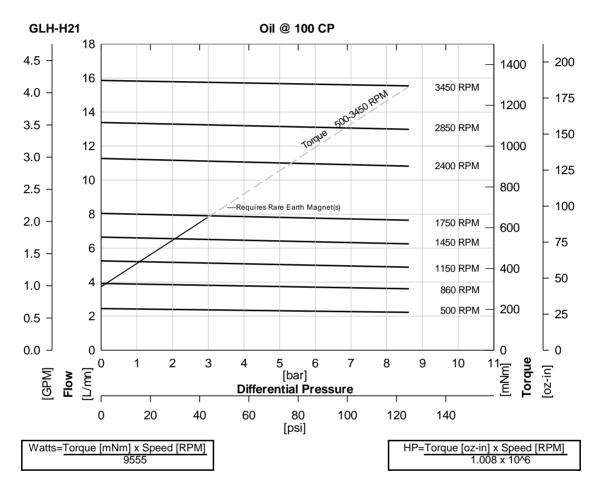
Series GLH



Pump Construction
Magnetic Drive Gear Pump
Cavity Style
Two Helical, Shafted Gears/DP12
Sleeve Bushings
O-Ring Seals (Qty 3)



Performance-High Viscosity



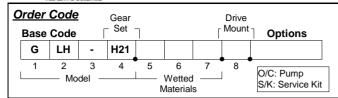
To calculate torque, multiply correction factor by torque from viscosity curve above.

Torque Co	Torque Correction Factors: For Higher Viscosity Liquids							
\	/iscosity [cp]	1	100	2500				
Max	Speed [RPM]	3450	3450	1750				
[Bar]	[psi]							
0.3	5	0.3	1	3.8				
1.4	20	0.5	1	2.9				
2.8	40	0.7	1	2.3				
4.1	60	0.7	1	2.0				
5.5	80	0.8	1	1.8				
6.9	100	0.8	1	1.6				
8.6	125	0.8	1	1.5				

Magnet Decouple Torque						
Driven Driving Torque Torque						
Magnet	Hub	[mNm]	[oz.in]			
SmCo	Ferrite	1222	173			
SmCo	SmCo	1483	210			
SmCo	NdFeB	1780	252			



Series GLH



Pump Construction
Magnetic Drive Gear Pump
Cavity Style
Two Helical, Shafted Gears/DP12
Sleeve Bushings
O-Ring Seals (Qty 3)



Specifications

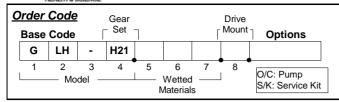
	SI	US
Displacement	4.6 ml/rev	1.2 gal/1000*rev
Max Flow (4 Pole Speed)	6.7 L/mn 1450 RPM (50Hz)	2.2 gal/mn 1750 RPM (60Hz)
Max Flow (2 Pole Speed)	13.2 L/mn 2850 RPM (50Hz)	4.2 gal/mn 3450 RPM (60Hz)
Max Differential Pressure 1	8.7 Bar	125 psi
Max System Pressure (MAWP)	103 Bar	1500 psi
NIPR (Absolute)	180 mBar	2.5 psia
Wet Lift (Typical) 2	51 cm.H2O (1450 RPM)	24 in.H2O (1750 RPM)
Temp Range 3	See Gear Material	See Gear Material
Viscosity Range 4	0.2 to 2500 cp	0.2 to 2500 cp
Max Speed	3,450 RPM	3,450 RPM
Rotation (Facing Motor Shaft)	CW	CW
Weight (Pumphead)	3.9 kg	8.6 lbs
Dimensions (LxWxH)	See Drawing	See Drawing
Ports	3/4-14 (F) NPT Side Ports	3/4-14 (F) NPT Side Ports
Driven Magnet (Standard)	Samarium Cobalt (SmCo)	Samarium Cobalt (SmCo)
Optional Internal Bypass	No	No
	Notes	

Notes

- 1 See Product Options. Max pressure depends on gear material.
- 2 Priming ability varies with operating conditions.
- 3 See Product Options for specific temp limits.
- 4 See Performance-High Viscosity for viscosity limits.



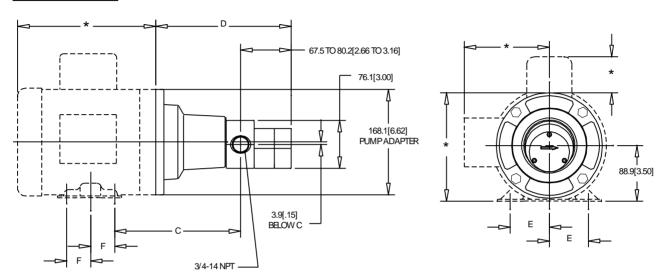
Series GLH



Pump Construction
Magnetic Drive Gear Pump
Cavity Style
Two Helical, Shafted Gears/DP12
Sleeve Bushings
O-Ring Seals (Qty 3)



Dimensions

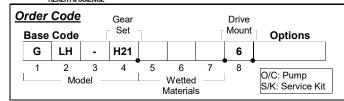


	С	D	E	F
MOUNT	mm [in]	mm [in]	mm [in]	mm [in]
E NEMA 56C	199.8 [7.87]	201.9[7.95] TO 214.7[8.45]	61.9 [2.44]	38.1 [1.50]
K NEMA 143 TC	195.0 [7.68]	201.9[7.95] TO 214.7[8.45]	69.9 [2.75]	50.8 [2.00]
K NEMA 145 TC	195.0 [7.68]	201.9[7.95] TO 214.7[8.45]	69.9 [2.75]	63.5 [2.50]

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



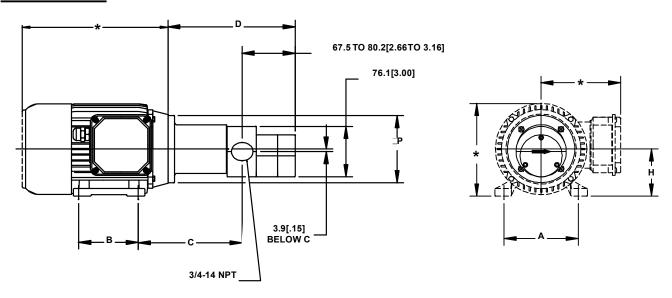
Series GLH



Pump Construction
Magnetic Drive Gear Pump
Cavity Style
Two Helical, Shafted Gears/DP12
Sleeve Bushings
O-Ring Seals (Qty 3)



Dimensions



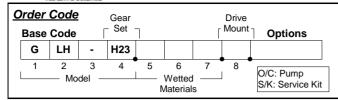
	Α	В	С	D	Н	Р
MOUNT	mm [in]	mm [in]	mm [in]	mm [in]	mm [in]	mm [in]
6 IEC71B14B3	112 [4.41]	90 [3.54]	157.2 [6.19]	179.7[7.07] TO 192.4[7.57]	71 [2.80]	105 [4.13]
8 IEC80B14B3	125 [4.92]	100 [3.94]	172.1 [6.77]	189.6[7.46] TO 202.3[7.96]	80 [3.15]	120 [4.72]

NOTES:

- 1. *THESE DIMENSIONS WIL VARY BASED ON MOTOR SELECTION.
- 2. ALL DIMENSIONSARE NOMINAL.



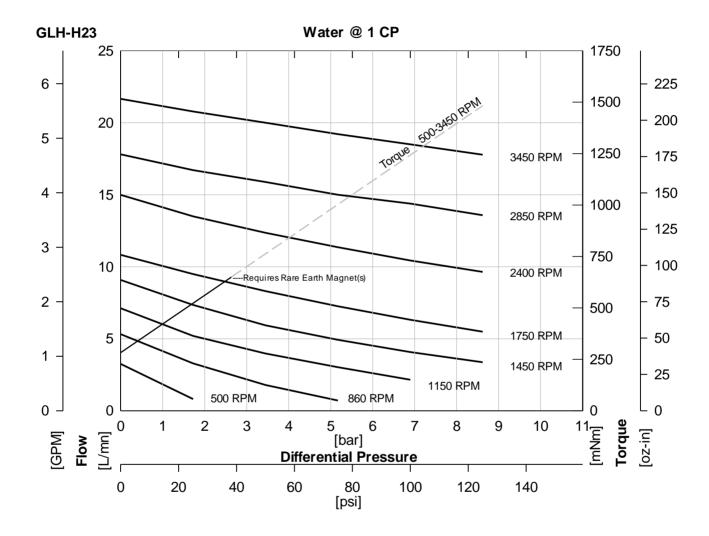
Series GLH



Pump Construction
Magnetic Drive Gear Pump
Cavity Style
Two Helical, Shafted Gears/DP12
Sleeve Bushings
O-Ring Seals (Qty 3)

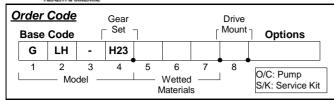


Performance





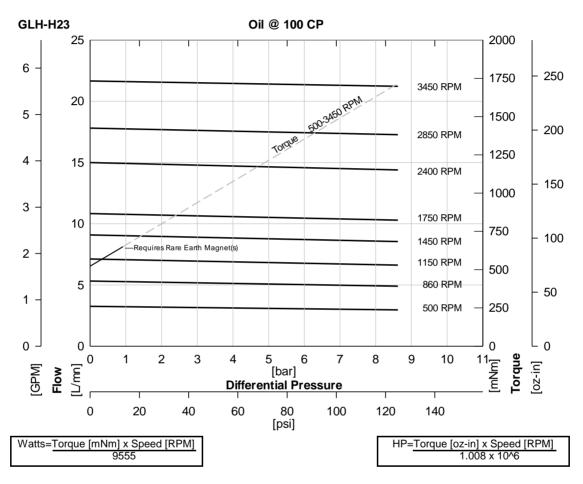
Series GLH



Pump Construction
Magnetic Drive Gear Pump
Cavity Style
Two Helical, Shafted Gears/DP12
Sleeve Bushings
O-Ring Seals (Qty 3)



Performance-High Viscosity



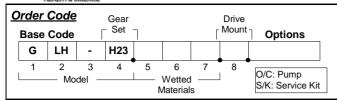
To calculate torque, multiply correction factor by torque from viscosity curve above.

Torque Co	Torque Correction Factors: For Higher Viscosity Liquids					
\	/iscosity [cp]	1	100	2500		
Max	Speed [RPM]	3450	3450	1750		
[Bar]	[psi]					
0.3	5	0.5	1	2.8		
1.4	20	0.6	1	2.3		
2.8	40	0.7	1	2.0		
4.1	60	0.8	1	1.8		
5.5	80	0.8	1	1.6		
6.9	100	0.8	1	1.5		
8.6	125	0.9	1	1.4		

Magnet Decouple Torque						
Driven Driving Torque Torqu						
Magnet	Hub	[mNm]	[oz.in]			
SmCo	Ferrite	1222	173			
SmCo	SmCo	1483	210			
SmCo	NdFeB	1780	252			



Series GLH



Pump Construction
Magnetic Drive Gear Pump
Cavity Style
Two Helical, Shafted Gears/DP12
Sleeve Bushings
O-Ring Seals (Qty 3)



Specifications

		SI
Displacement		6.2 r
Max Flow (4 Pole Speed)		9.0 l
Max Flow (2 Pole Speed)		17.7
Max Differential Pressure	1	8.7 I
Max System Pressure (MAWP)		103
NIPR (Absolute)		180
Wet Lift (Typical)	2	51 c
Temp Range	3	See
Viscosity Range	4	0.21
Max Speed		3,45
Rotation (Facing Motor Shaft)		CW
Weight (Pumphead)		3.9 l
Dimensions (LxWxH)		See
Ports		3/4-
Driven Magnet (Standard)		Sam
Optional Internal Bypass		No

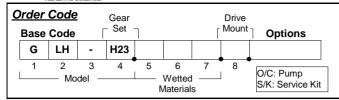
SI	US
6.2 ml/rev	1.6 gal/1000*rev
9.0 L/mn 1450 RPM (50Hz)	2.9 gal/mn 1750 RPM (60Hz)
17.7 L/mn 2850 RPM (50Hz)	5.7 gal/mn 3450 RPM (60Hz)
8.7 Bar	125 psi
103 Bar	1500 psi
180 mBar	2.5 psia
51 cm.H2O (1450 RPM)	24 in.H2O (1750 RPM)
See Gear Material	See Gear Material
0.2 to 2500 cp	0.2 to 2500 cp
3,450 RPM	3,450 RPM
CW	CW
3.9 kg	8.6 lbs
See Drawing	See Drawing
3/4-14 (F) NPT Side Ports	3/4-14 (F) NPT Side Ports
Samarium Cobalt (SmCo)	Samarium Cobalt (SmCo)
No	No

Notes

- 1 See Product Options. Max pressure depends on gear material.
- 2 Priming ability varies with operating conditions.
- 3 See Product Options for specific temp limits.
- 4 See Performance-High Viscosity for viscosity limits.



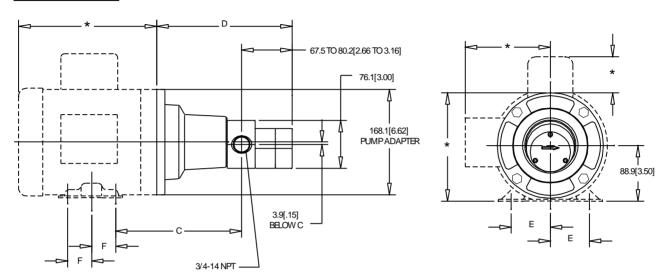
Series GLH



Pump Construction
Magnetic Drive Gear Pump
Cavity Style
Two Helical, Shafted Gears/DP12
Sleeve Bushings
O-Ring Seals (Qty 3)



Dimensions

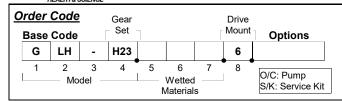


	С	D	E	F
MOUNT	mm [in]	mm [in]	mm [in]	mm [in]
E NEMA 56C	199.8 [7.87]	201.9[7.95] TO 214.7[8.45]	61.9 [2.44]	38.1 [1.50]
K NEMA 143 TC	195.0 [7.68]	201.9[7.95] TO 214.7[8.45]	69.9 [2.75]	50.8 [2.00]
K NEMA 145 TC	195.0 [7.68]	201.9[7.95] TO 214.7[8.45]	69.9 [2.75]	63.5 [2.50]

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



Series GLH

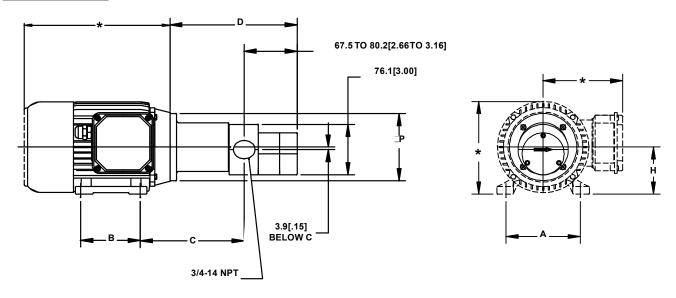


Pump Construction

Magnetic Drive Gear Pump
Cavity Style
Two Helical, Shafted Gears/DP12
Sleeve Bushings
O-Ring Seals (Qty 3)



Dimensions

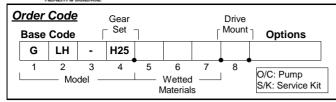


	Α	В	С	D	н	Р
MOUNT	mm [in]	mm [in]	mm [in]	mm [in]	mm [in]	mm [in]
6 IEC71B14B3	112 [4.41]	90 [3.54]	157.2 [6.19]	179.7[7.07] TO 192.4[7.57]	71 [2.80]	105 [4.13]
8 IEC80B14B3	125 [4.92]	100 [3.94]	172.1 [6.77]	189.6[7.46] TO 202.3[7.96]	80 [3.15]	120 [4.72]

- 1. *THESE DIMENSIONS WIL VARY BASED ON MOTOR SELECTION.
- 2. ALL DIMENSIONSARE NOMINAL.



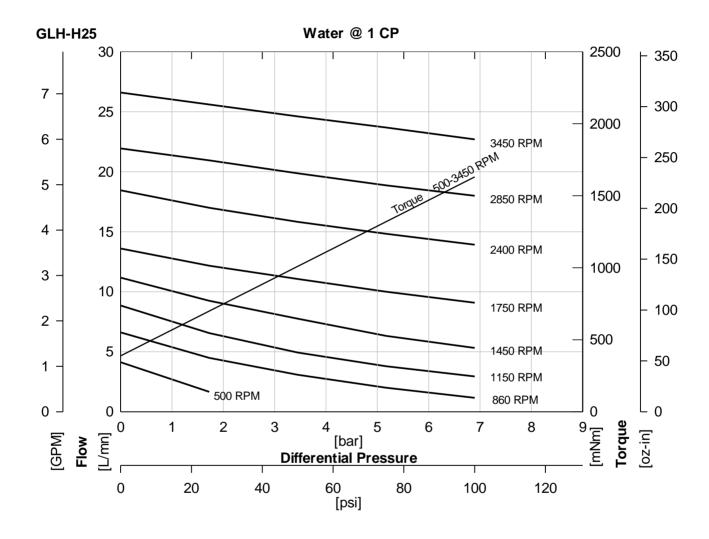
Series GLH



Pump Construction
Magnetic Drive Gear Pump
Cavity Style
Two Helical, Shafted Gears/DP12
Sleeve Bushings
O-Ring Seals (Qty 3)

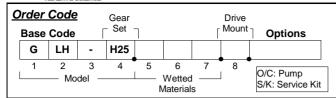


Performance





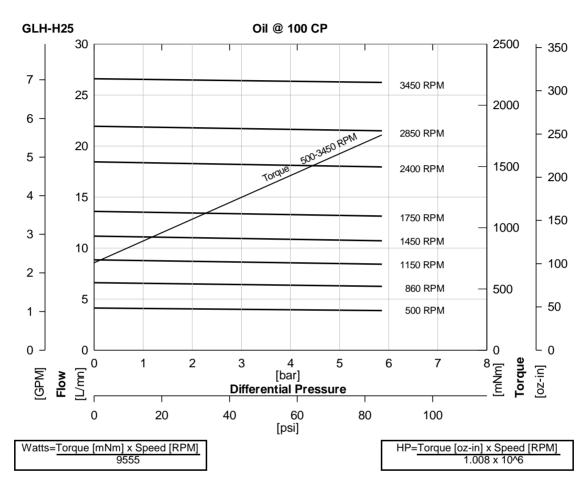
Series GLH



Pump Construction
Magnetic Drive Gear Pump
Cavity Style
Two Helical, Shafted Gears/DP12
Sleeve Bushings
O-Ring Seals (Qty 3)



Performance-High Viscosity



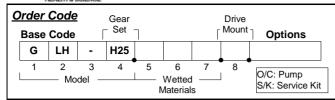
To calculate torque, multiply correction factor by torque from viscosity curve above.

Torque Correction Factors: For Higher Viscosity Liquids					
\	Viscosity [cp]		100	2500	
Max Speed [RPM]		3450	3450	1750	
[Bar]	[psi]				
0.3	5	0.5	1	2.3	
1.4	20	0.6	1	2.0	
2.8	40	0.7	1	1.8	
4.1	60	0.8	1	1.6	
5.5	80	0.8	1	1.5	
6.9	100	0.8	1	1.4	
8.6	125	0.9	1	1.3	

Magnet Decouple Torque					
Driven	Driving	Torque	Torque		
Magnet	Hub	[mNm]	[oz.in]		
SmCo	Ferrite	1222	173		
SmCo	SmCo	1483	210		
SmCo	NdFeB	1780	252		



Series GLH



Pump Construction
Magnetic Drive Gear Pump
Cavity Style
Two Helical, Shafted Gears/DP12
Sleeve Bushings
O-Ring Seals (Qty 3)



Specifications

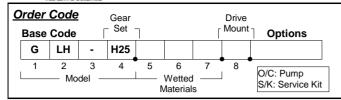
	SI	US
Displacement	7.7 ml/rev	2.0 gal/1000*rev
Max Flow (4 Pole Speed)	11.2 L/mn 1450 RPM (50Hz)	3.6 gal/mn 1750 RPM (60Hz)
Max Flow (2 Pole Speed)	22.0 L/mn 2850 RPM (50Hz)	7.1 gal/mn 3450 RPM (60Hz)
Max Differential Pressure	6.9 Bar	100 psi
Max System Pressure (MAWP)	103 Bar	1500 psi
NIPR (Absolute)	180 mBar	2.5 psia
Wet Lift (Typical)	51 cm.H2O (1450 RPM)	24 in.H2O (1750 RPM)
Temp Range	See Gear Material	See Gear Material
Viscosity Range	0.2 to 2500 cp	0.2 to 2500 cp
Max Speed	3,450 RPM	3,450 RPM
Rotation (Facing Motor Shaft)	CW	CW
Weight (Pumphead)	3.9 kg	8.6 lbs
Dimensions (LxWxH)	See Drawing	See Drawing
Ports	3/4-14 (F) NPT Side Ports	3/4-14 (F) NPT Side Ports
Driven Magnet (Standard)	Samarium Cobalt (SmCo)	Samarium Cobalt (SmCo)
Optional Internal Bypass	No	No
	Notes	

Notes

- See Product Options. Max pressure depends on gear material.
- 2 Priming ability varies with operating conditions.
- 3 See Product Options for specific temp limits.
- 4 See Performance-High Viscosity for viscosity limits.



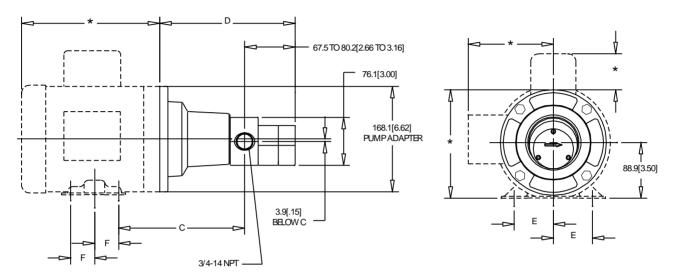
Series GLH



Pump Construction
Magnetic Drive Gear Pump
Cavity Style
Two Helical, Shafted Gears/DP12
Sleeve Bushings
O-Ring Seals (Qty 3)



Dimensions

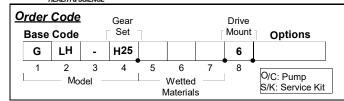


	С	D	E	F
MOUNT	mm [in]	mm [in]	mm [in]	mm [in]
E NEMA 56C	199.8 [7.87]	201.9[7.95] TO 214.7[8.45]	61.9 [2.44]	38.1 [1.50]
K NEMA 143 TC	195.0 [7.68]	201.9[7.95] TO 214.7[8.45]	69.9 [2.75]	50.8 [2.00]
K NEMA 145 TC	195.0 [7.68]	201.9[7.95] TO 214.7[8.45]	69.9 [2.75]	63.5 [2.50]

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



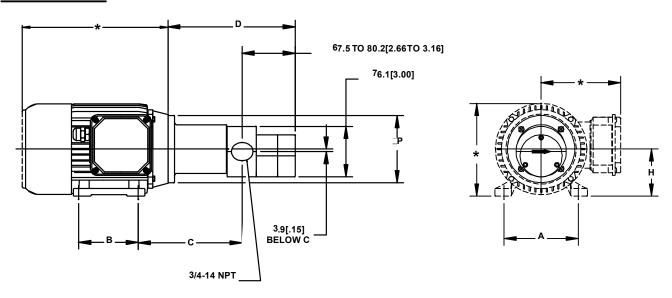
Series GLH



Pump Construction
Magnetic Drive Gear Pump
Cavity Style
Two Helical, Shafted Gears/DP12
Sleeve Bushings
O-Ring Seals (Qty 3)



Dimensions



	Α	В	С	D	н	P
MOUNT	mm [in]	mm [in]	mm [in]	mm [in]	mm [in]	mm [in]
6 IEC71B14B3	112 [4.41]	90 [3.54]	157.2 [6.19]	179.7[7.07] TO 192.4[7.57]	71 [2.80]	105 [4.13]
8 IEC80B14B3	125 [4.92]	100 [3.94]	172.1 [6.77]	189.6[7.46] TO 202.3[7.96]	80 [3.15]	120 [4.72]

NOTES:

- 1. *THESE DIMENSIONS WIL VARY BASED ON MOTOR SELECTION.
- 2. ALL DIMENSIONSARE NOMINAL.

AUSTRALIAN DISTRIBUTOR



CALL 1300 789 466

When Pump Knowledge Matters www.kelairpumps.com.au