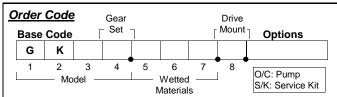




Series Overview

Series GK



Pump Construction
Magnetic Drive Gear Pump
Cavity Style
Two Helical, Shafted Gears/DP16
Sleeve Bushings
O-Ring Seals (Qty 3)



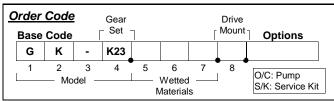
Bas	e Code	Select a code character for each r	numbered position to configu	ire the product.		
1	Code	Product Type	<u>Specifications</u>			<u>Notes</u>
	G	Gear Pump				
2		Product Series	Max System Pressure (MAWP)	Ports		
	K	Series GK	See Drive Mount	1/4-18 (F) NPT Side Ports		
3		Modifier				
	-	Standard Design				
4		Gear Set (Width/NºGears/Pitch)	Displacement	Max Differential Pressure	Driven Magnet (Standard)	
	K23	0.850/2/16	3.15 ml/rev (0.83 gal/1000*rev)	4.2 Bar (60 psi)	Ferrite	
5		Gear Material		Max Differential Pressure	Temp Range	
	F	PTFE		3.5 Bar (50 psi)	-46/54°C (-50/130°F)	
6		Static Seals			Temp Range	
	F	PTFE			-46/232°C (-50/450°F)	
	V	Viton®			-29/204°C (-20/400°F)	
7		Base Materials				
	S	SS316				
8		Drive Mount	Max System Pressure (MAWP)		Weight (Pumphead)	
	E	NEMA 56C	103 Bar (1500 psi)		2.3 kg (5.1 lbs)	
	6	IEC 71-B14	103 Bar (1500 psi)		2.3 kg (5.1 lbs)	
						_
Opt	ions	Add Option codes after the Base (Code to modify features or e	nhance the product.		
		Driving Magnet (PC13)				
	N3	NdFeB Driving (Ring)				
		Notes				



DEX CORPORATION

Technical Data

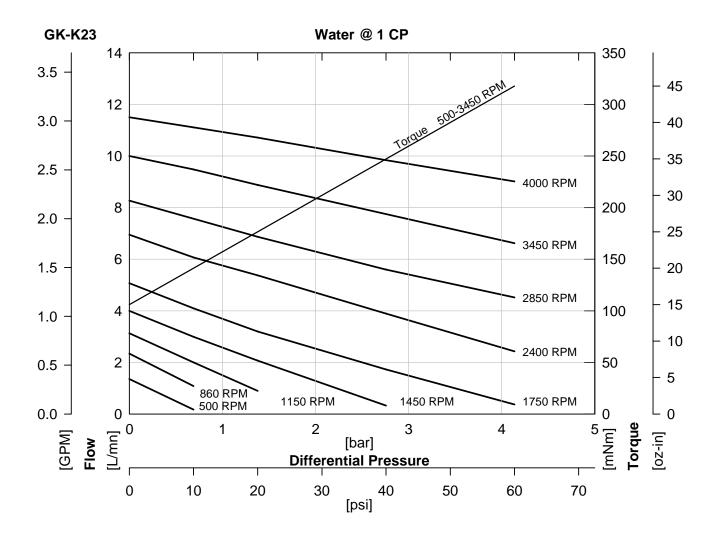
Series GK



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Performance

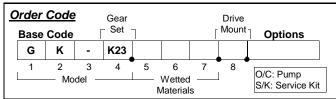




IDEX CORPORATION

Technical Data

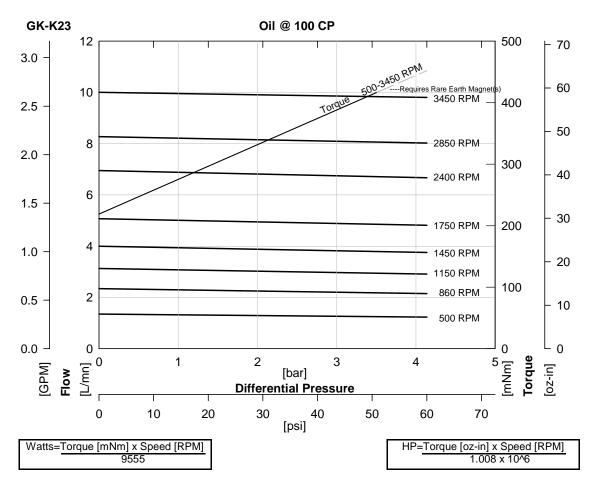
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Performance-High Viscosity



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	860			
[Bar]	[psi]						
0.3	5	0.5	1	1.6			
1.4	20	0.6	1	1.5			
2.8	40	0.7	1	1.4			
4.1	60	0.7	1	1.3			

Magnet Decouple Torque						
Driven Driving Torque Torque						
Magnet	Hub	[mNm]	[oz.in]			
Ferrite	Ferrite	417	59			

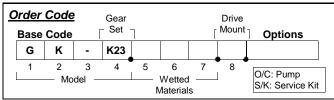
ACTUAL PERFORMANCE MAY VARY - Specifications are subject to change without notice. When multiple specs are noted, the most conservative value applies.





Technical Data

Series GK



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Specifications

	SI	US
Displacement	3.15 ml/rev	0.83 gal/1000*rev
Max Flow (4 Pole Speed)	4.6 L/mn 1450 RPM (50Hz)	1.5 gal/mn 1750 RPM (60Hz)
Max Flow (2 Pole Speed)	9.0 L/mn 2850 RPM (50Hz)	2.9 gal/mn 3450 RPM (60Hz)
Max Differential Pressure	4.2 Bar	60 psi
Max System Pressure (MAWP)	See Drive Mount	See Drive Mount
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 4	0.2 to 1500 cp	0.2 to 1500 cp
Max Speed	4,000 RPM	4,000 RPM
Rotation (Facing Motor Shaft)	CW	CW
Weight (Pumphead)	1.7 kg	3.7 lbs
Dimensions (LxWxH)	See Drawing	See Drawing
Ports	1/4-18 (F) NPT Side Ports	1/4-18 (F) NPT Side Ports
Driven Magnet (Standard)	Ferrite	Ferrite
Optional Internal Bypass	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.

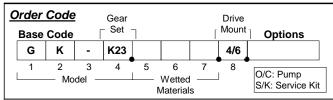
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Technical Data

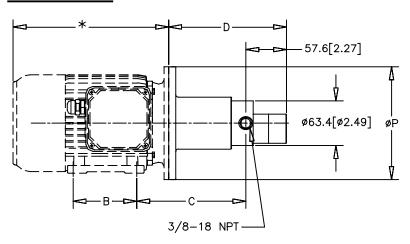
Series GK

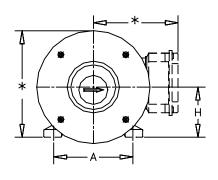


Pump Construction
Magnetic Drive Gear Pump
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Dimensions





MOUNT	A B mm [in] mm [in]		C mm [in]	_		P mm [in]
4 IEC63B14B3	100 [3.94]	80 [3.15]	142.3[5.60]	159.8[6.29]	63 [2.48]	140 [5.51]
6 IEC71B14B3	112 [4.41]	90 [3.54]	154.2[6.07]	166.8[6.57]	71 [2.80]	160 [6.30]

NOTES:

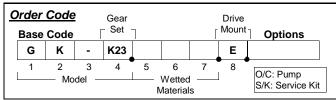
- 1. *THESE DIMENSIONS WILL VARY BASED ON MOTOR SELECTION.
- 2. ALL DIMENSIONS ARE NOMINAL.





Technical Data

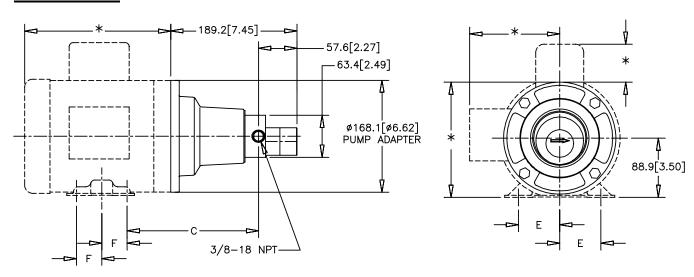
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Dimensions



	С		E		F	
MOUNT	mm [in]		mm [in]		mm [in]	
112111111		[7.75]				
K NEMA 143TC	192.0	[7.56]	69.9	[2.75]	50.8	[2.00]
K NEMA 145TC	192.0	[7.56]	69.9	[2.75]	63.5	[2.50]

NOTES:

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