

Features

- All purpose external gear motor
- Used for mechanical rotary actuation from a hydraulic supply
- Internal check valve directs internal leakage to the low pressure side of the motor. No external drain line required.
- Cast iron front flange and rear cover plate, aluminum body
- Rotation speed up to 4000 rpm continuous
- Pressure to 200 Bar (2900 psi) continuous, peak = 250 Bar (3625psi)



Ordering Details

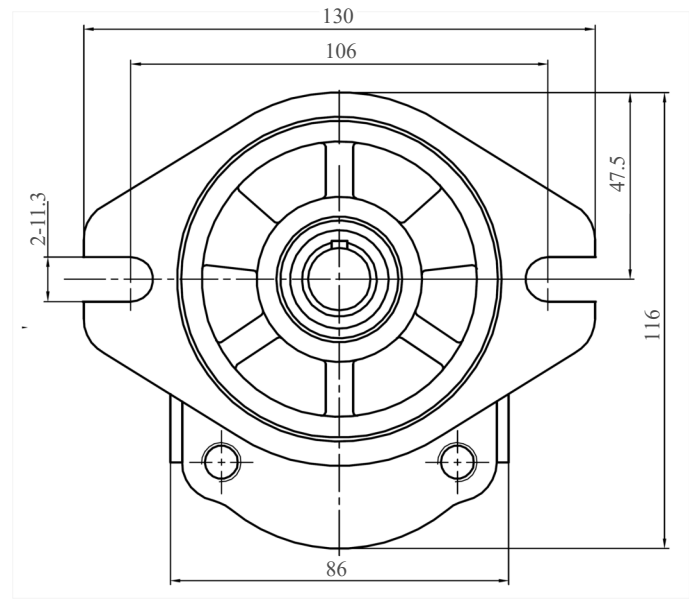
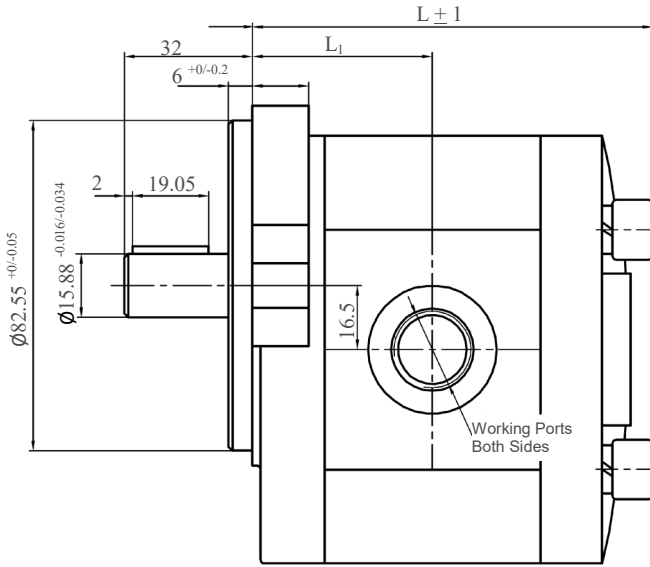
M	Motor																
F	Fixed																
EG	Gear																
10-	CC, Centimeters ³ /rev.: 4, 8, 10, 12, 16, 20, 25																
K0.6-	<table border="1"> <thead> <tr> <th colspan="3">Keyed</th> </tr> <tr> <th>Code</th> <th>Shaft Dia., in.</th> <th>Key Width, in.</th> </tr> </thead> <tbody> <tr> <td>K0.6</td> <td>0.625</td> <td>0.156</td> </tr> </tbody> </table>	Keyed			Code	Shaft Dia., in.	Key Width, in.	K0.6	0.625	0.156							
	Keyed																
Code	Shaft Dia., in.	Key Width, in.															
K0.6	0.625	0.156															
	<table border="1"> <thead> <tr> <th colspan="3">Spline</th> </tr> <tr> <th>Code</th> <th>Shaft Dia., in.</th> <th>Details</th> </tr> </thead> <tbody> <tr> <td>9T.6</td> <td>0.625</td> <td>9T 16/32</td> </tr> </tbody> </table>	Spline			Code	Shaft Dia., in.	Details	9T.6	0.625	9T 16/32							
Spline																	
Code	Shaft Dia., in.	Details															
9T.6	0.625	9T 16/32															
2A	Mounting Flange: 2A=SAE A - 2 Bolt																
O12	<table border="1"> <thead> <tr> <th colspan="4">Threaded, SAE O-ring boss</th> </tr> <tr> <th>Code</th> <th>Dash Size</th> <th>Thread</th> <th>CC/Rev.</th> </tr> </thead> <tbody> <tr> <td>O10</td> <td>-10</td> <td>7/8-14</td> <td>4, 8</td> </tr> <tr> <td>O12</td> <td>-12</td> <td>1 1/16-12</td> <td>10, 12, 16, 20, 25</td> </tr> </tbody> </table>	Threaded, SAE O-ring boss				Code	Dash Size	Thread	CC/Rev.	O10	-10	7/8-14	4, 8	O12	-12	1 1/16-12	10, 12, 16, 20, 25
	Threaded, SAE O-ring boss																
	Code	Dash Size	Thread	CC/Rev.													
O10	-10	7/8-14	4, 8														
O12	-12	1 1/16-12	10, 12, 16, 20, 25														
S	Ports: S=Side Threaded																
B-	Rotation: B=Bi-Directional																
1	Series																

Example Part Number: MFEG10-K0.6-2AO12S-B-1

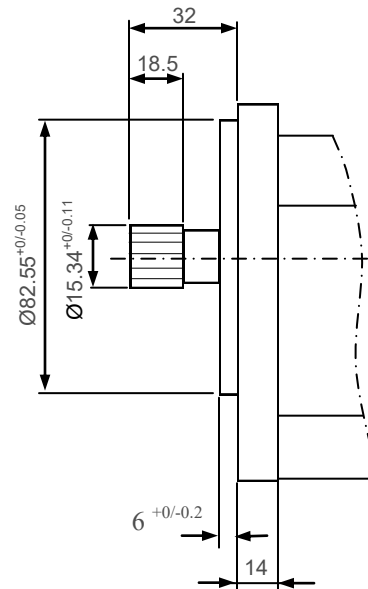
Section 1 – Dimensional Data and Technical Data

K0.6 – Keyed Shaft: Dimensions in mm

S - Side Ported



9T.6—Spline



Displacement cc/rev.	L mm	L ₁ mm	Working Ports	Weight Kg
4	96	43.3	SAE -10, 7/8-14	3
8	102	46.5		
10	104	48	SAE -12, 1 1/16-12	
12	108	49.5		
16	114	52.5		
20	120	56		
25	128	60		

Displacement cc/rev	Pressure PSI (bar)		Speed r/min		Max. Low Pressure Side, PSI (Bar)	Total Efficiency %	Volumetric Efficiency %	Mechanical Efficiency %	Fluid Temp. Range °C	Recommended Fluid Viscosity Range mm ² /s	Recommended Fluid Cleanliness
	Continuous	Peak	Continuous	Min							
4	2900 (200)	3625 (250)	4000	600	29psi continuous, 72.5 psi intermittent	80	94	85	-20 to +90	10 to 45	NAS1638 - 8 ISO4406 17/14 Filter = 10µm
8											
10	2900 (200)	4060(280)	3500	500	(2bar continuous, 5 bar intermittent)	80	94	85	-20 to +90	10 to 45	NAS1638 - 8 ISO4406 17/14 Filter = 10µm
12											
16											
20	2900 (200)	4060(280)	3000	500	(2bar continuous, 5 bar intermittent)	80	94	85	-20 to +90	10 to 45	NAS1638 - 8 ISO4406 17/14 Filter = 10µm
25											

Output Torque [N-m]= pressure drop [bar] x displacement [cc/rev] x mechanical efficiency [%] /62.83