Gear pumps and motors

Series 26 pumps
Series 26 motors
Series L2 pumps

Technical catalog

Powering Business Worldwide

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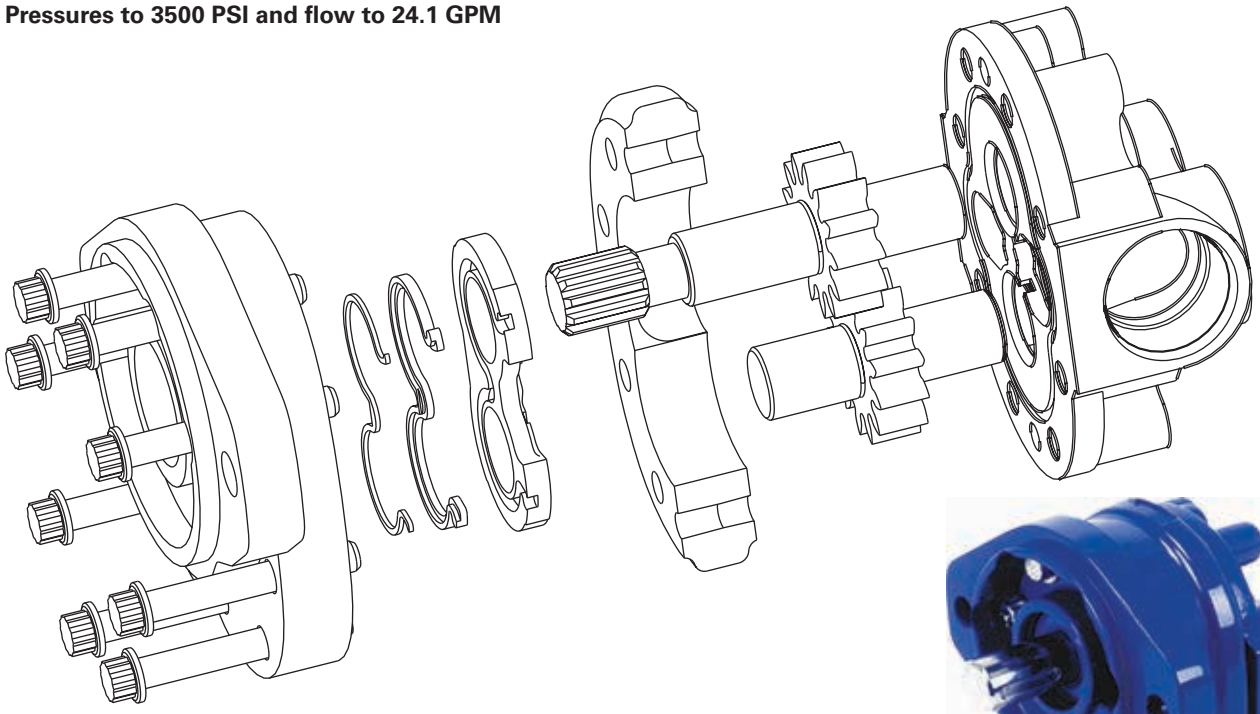
Series 26 pump Features

Pressures to 3500 PSI and flow to 24.1 GPM



Quiet operation

- The 13-tooth gears, versus 10 teeth in previous pumps, minimizes the flow ripple. This reduces noise as well as vibration.
- The improved trap reliefs not only increase power, they also help keep oil flowing smoothly to reduce noise.

Improved efficiency

- Improved bearing lubrication system uses inlet oil instead of high pressure oil, improving volumetric efficiency for more power output.
- The highly polished shaft and gears improve mechanical efficiency and reduce wear on these components, adding to the service life and reliability of the pump.
- The optimized trapped oil relief areas help reduce pressure ripple for quieter operation. This also decreases the input power requirements.

Field reversible

- The innovative new wea plate permits simple field reversibility of the pump direction. Simply open the pump, switch the drive gear and idler gear, reposition the plug and reassemble. No extra parts are needed.

Interchangeability

- The Series 26 Gear Pump has been designed to retrofit equipment using the B1 and B2 Gear Pumps. Extra shafts, porting, and mounting configurations, as well as 13 available displacements, give you the choices you need for an easy conversion to this superior pump.

Series 26 pump
General specifications and performance data

Rotation	Field reversible
Mounting flange	SAE A 2 Bolt
Max. Continuous pressure†	210 bar [3000 PSI]*
Max. Intermittent pressure††	240 bar [3500 PSI]**
Minimum speed at continuous pressure	750 RPM
Maximum rotating torque at 0 pressure	4 Nm [36 lb-in]
Maximum continuous operating temperature	105°C [220°F]
Minimum continuous oil viscocity	5.7 cSt [45 SUS]
Minimum operating temperature	-29°C [-20°F]
Maximum inlet vacuum at operating condition	0,8 bar Abs. [11.6 psi Abs.]

† Continuous - pump may be run continuously at these ratings.

†† Intermittent - intermittent operation, 10% of every minute.

* 30.6 cm^3/rev. [1.87 in^3/rev.] displacement max. continuous pressure is 190 bar [2750 PSI].

** 30.6 cm^3/rev. [1.87 in^3/rev.] displacement max. intermittent pressure is 224 bar [3250 PSI].

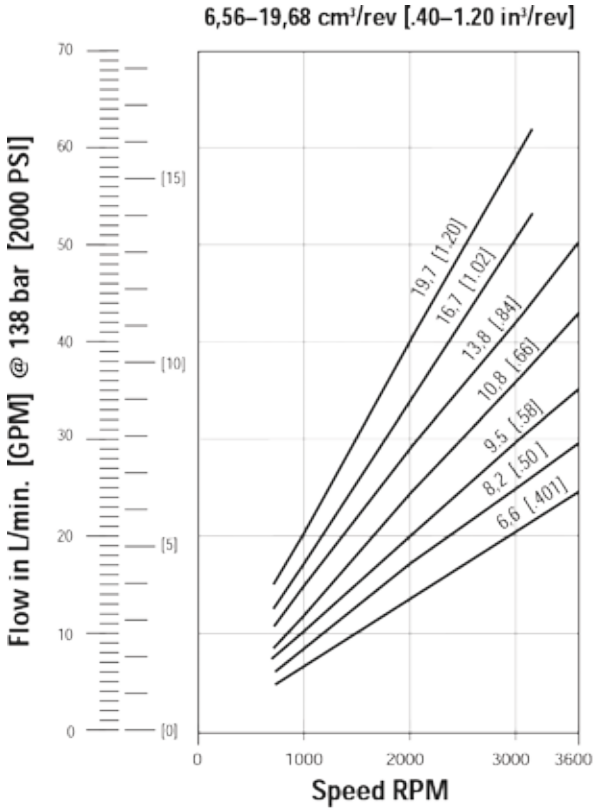
For side load limits consult your Eaton representative.

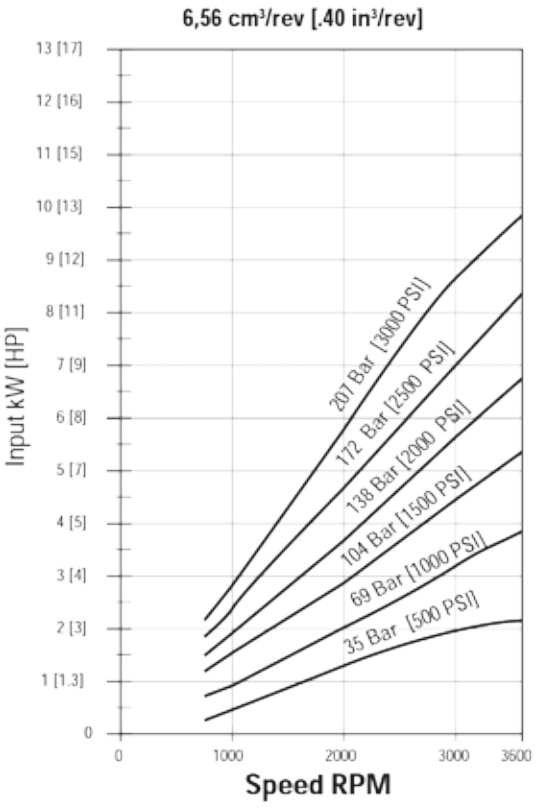
Displacement cm^3/r [in^3/r]	**6,6 [.40]**	**8,2 [.50]**	**9,5 [.58]**	**10,8 [.66]**	**13,8 [.84]**	**16,7 [1.02]**	**19,7 [1.20]**
Max. Intermittent pressure bar [PSI]	241 [3500]	241 [3500]	241 [3500]	241 [3500]	241 [3500]	241 [3500]	241 [3500]
Rated speed (RPM)	3600	3600	3600	3600	3600	3600	3200
Minimum output flow at 207 bar [3000 PSI] and rated speed LPM [GPM]	20,1 [5.3]	25,0 [6.6]	29,5 [7.8]	33,7 [8.9]	43,5 [11.5]	55,3 [14.6]	57,9 [15.3]
Input power at 207 bar [3000 PSI] and rated speed and cont. Pressure kW [HP]	9,7 [13.0]	11,9 [15.9]	14,1 [18.9]	15,5 [20.8]	20,0 [26.8]	22,0 [29,4]	26,2 [35.2]

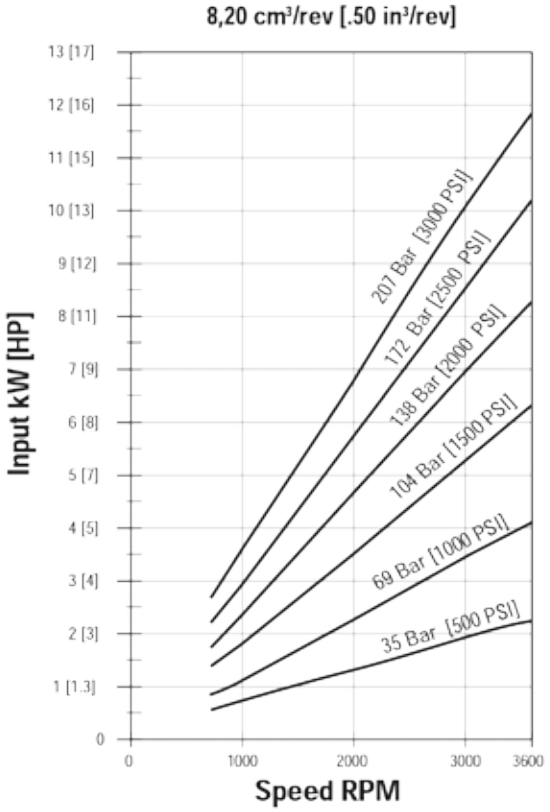
Displacement cm^3/r [in^3/r]	**22,5 [1.37]**	**24,3 [1.48]**	**25,2 [1.54]**	**27,7 [1.69]**	**29,0 [1.77]**	**30,6 [1.87]**
Max. Intermittent pressure bar [PSI]	241 [3500]	241 [3500]	241 [3500]	241 [3500]	234 [3400]	224 [3250]
Rated speed (RPM)	3000	3000	3000	3000	3000	3000
Minimum output flow at 207 bar [3000 PSI] and rated speed LPM [GPM]	62,1 [16.4]	67,0 [17.7]	69,7 [18.4]	76,5 [20.2]	79,9 [21.1]	84,4 [22.3]
Input power at 207 bar [3000 PSI] and rated speed and cont. Pressure kW [HP]	27,3 [36.6]	30,5 [40.9]	31,0 [41.6]	33,4 [44.8]	35,4 [47.4]	37,4 [50.1]

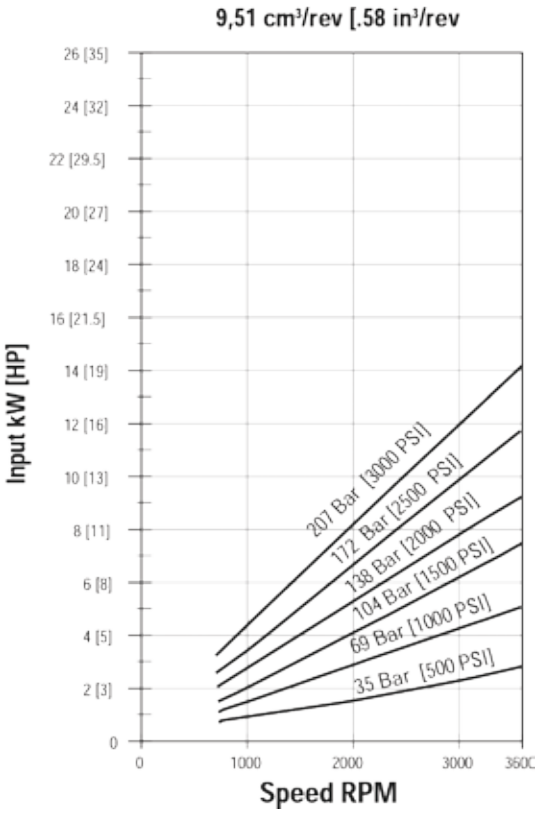
The performance data in the table above and the following graphs was collected using a mineral base oil with a viscosity of 133 SUS at 49°C [120°F].

Series 26 pump
Performance data charts

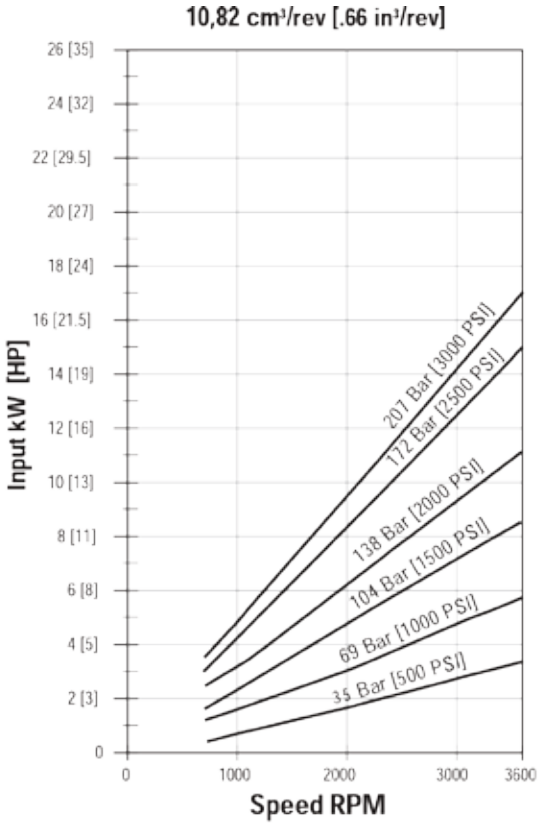


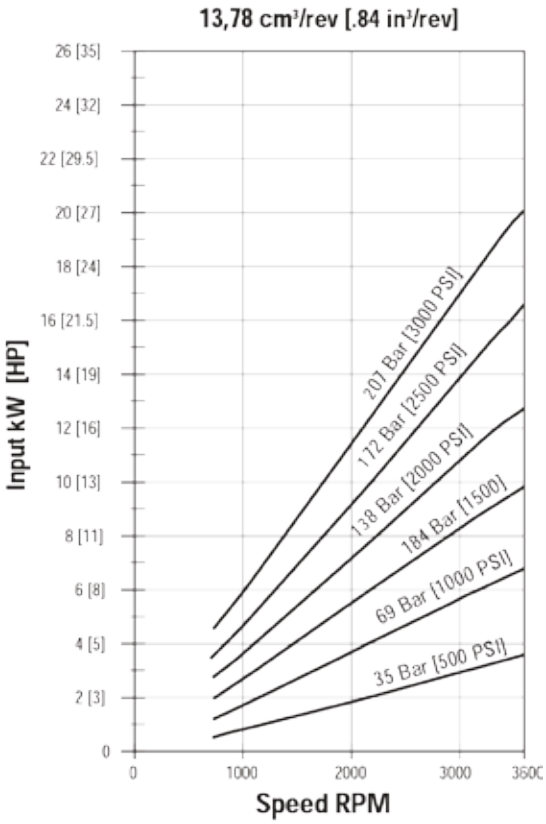


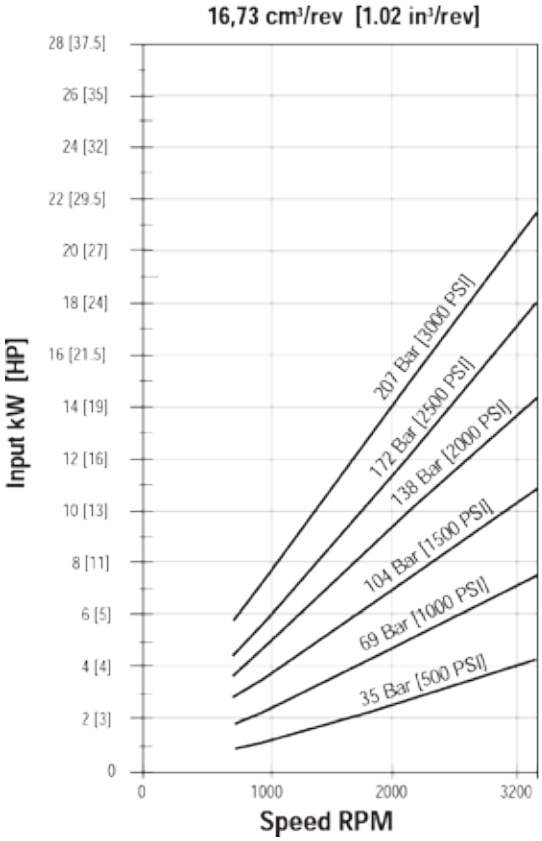


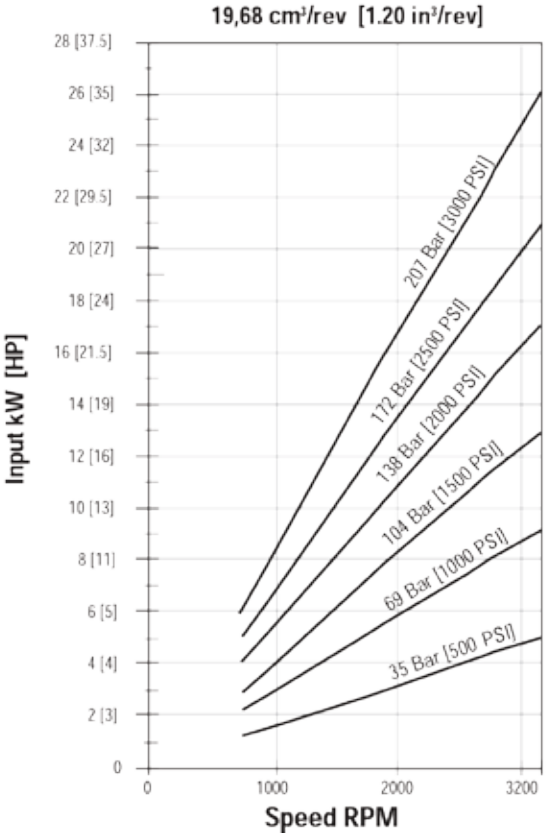


Series 26 pump
Performance data charts

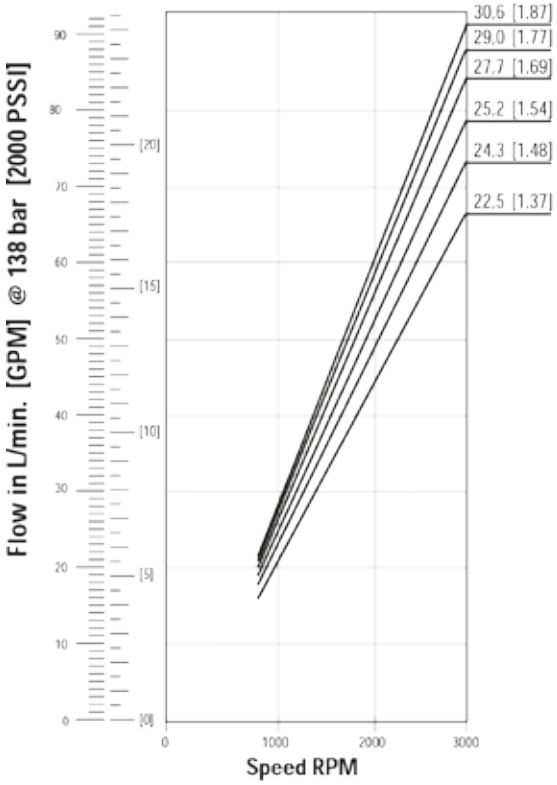




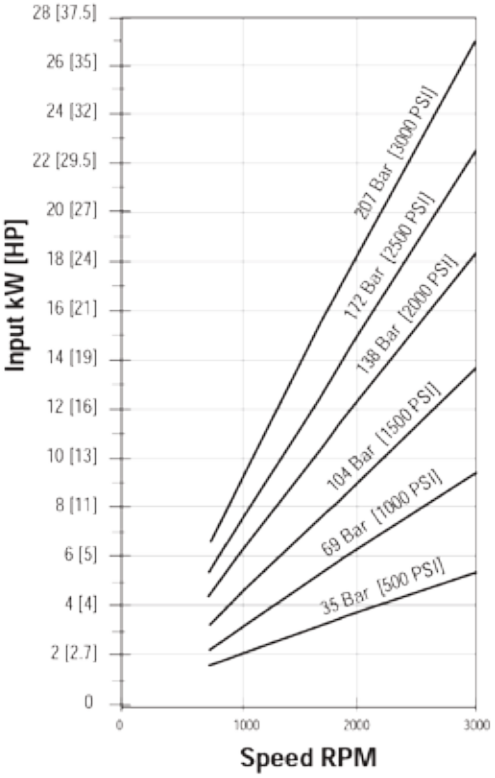




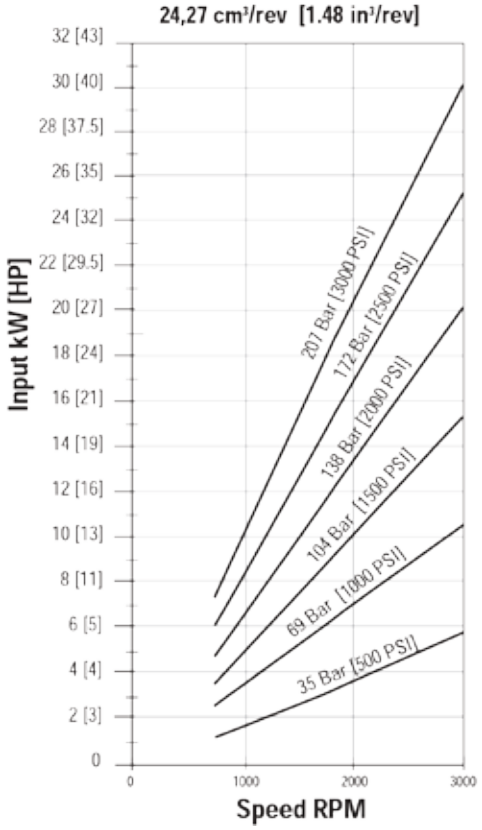
22,47–30,67 cm³/rev [1.37–1.87 in³/rev]



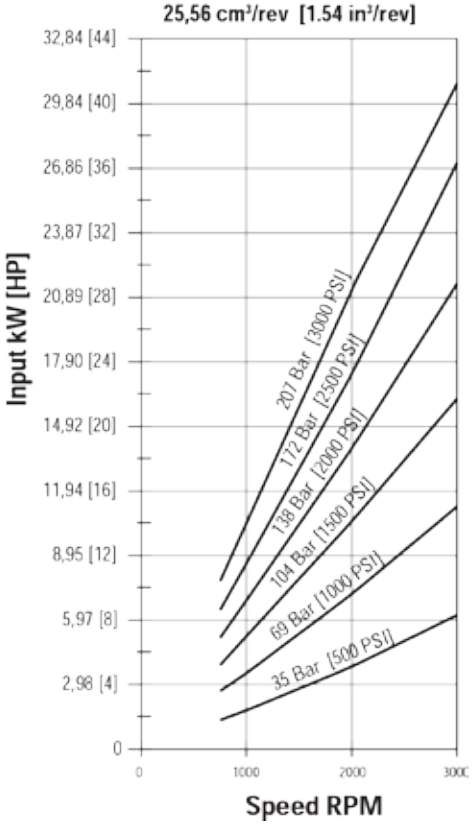
22,47 cm³/rev [1.37 in³/rev]



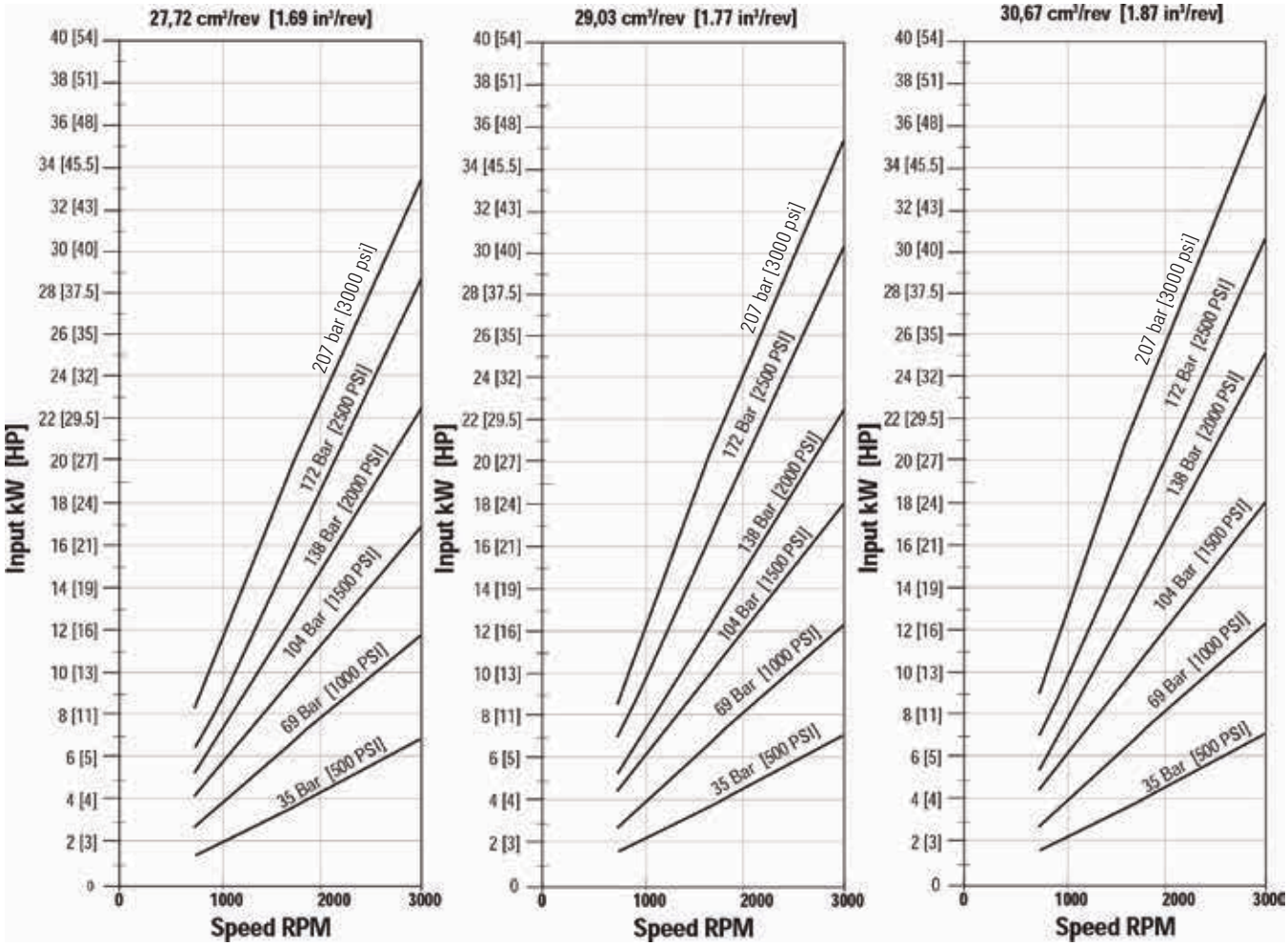
24,27 cm³/rev [1.48 in³/rev]



25,56 cm³/rev [1.54 in³/rev]

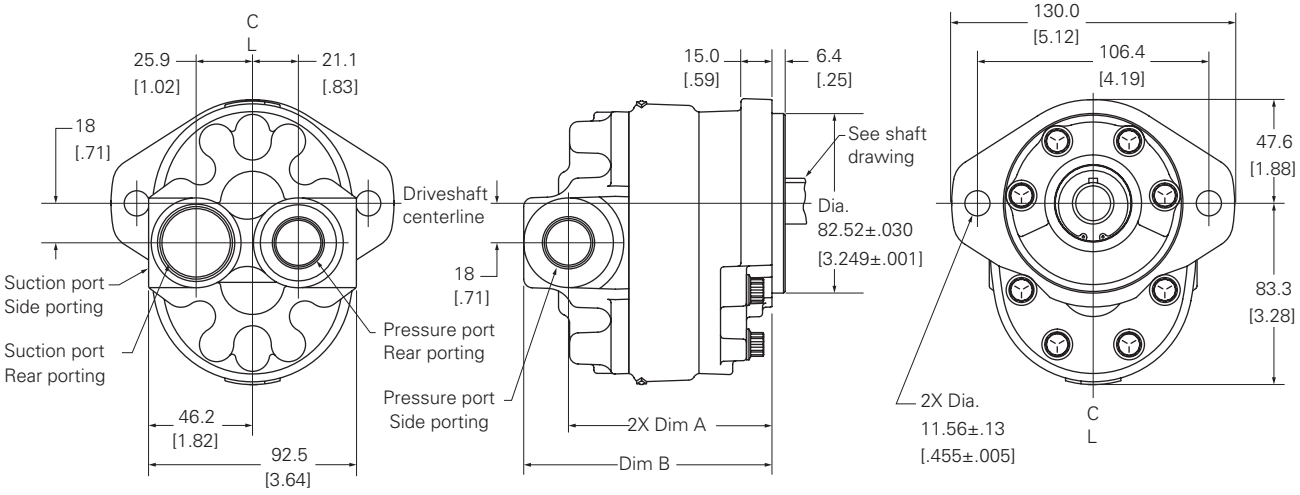


Series 26 pump
Performance data charts



***Multiple pump input torque limitations:**

The total torque for multiple pump displacements and pressure combinations cannot exceed the maximum input torque rating of the shaft. The proper formula is pressure times displacement divided by 6.28.

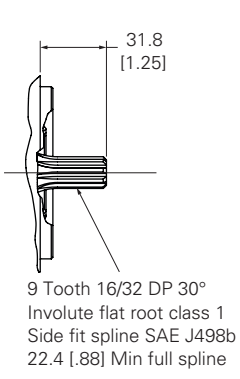


Left hand rotation shown

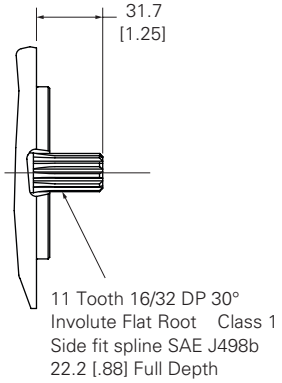
Model	26001	26002	26003	26004	26005	26006	26007
Displacement (cm³/r [in³/r])	6.6 [.40]	8.2 [.50]	9.5 [.58]	10.8 [.66]	13.8 [.84]	16.7 [1.02]	19.7 [1.20]
Dimension A (mm [in])	72.6 [2.86]	74.3 [2.93]	75.9 [2.99]	77.5 [3.05]	80.7 [3.18]	83.9 [3.30]	87.1 [3.43]
Dimension B (mm [in])	93.2 [3.67]	94.9 [3.74]	96.5 [3.80]	98.1 [3.86]	101.3 [3.99]	104.5 [4.11]	107.7 [4.24]

Model	26008	26009	26010	26011	26012	26013
Displacement (cm³/r [in³/r])	22.5 [1.37]	24.3 [1.48]	25.2 [1.54]	27.7 [1.69]	29.0 [1.77]	30.6 [1.87]
Dimension A (mm [in])	90.3 [3.56]	92.7 [3.65]	93.5 [3.68]	96.7 [3.81]	98.6 [3.88]	99.9 [3.93]
Dimension B (mm [in])	110.9 [4.37]	113.3 [4.46]	114.1 [4.49]	117.3 [4.62]	119.1 [4.69]	120.5 [4.74]

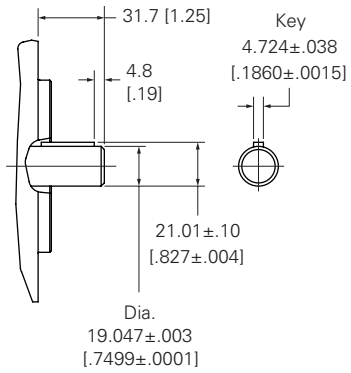
5/8 Inch 9 tooth spline
maximum input torque 62 nm [550 lb-in]



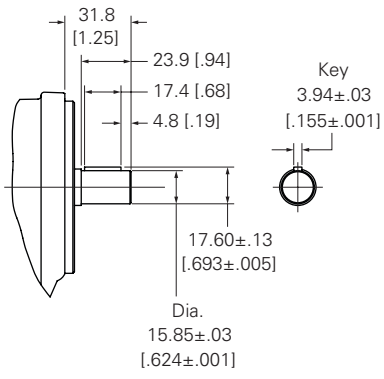
3/4 Inch 11 tooth spline
maximum input torque 119 nm [1050 lb-in]



3/4 Inch straight key
maximum input torque 113 nm [1000 lb-in]



5/8 Inch straight key
maximum input torque 56 nm [500 lb-in]



All dimensions are in mm

Series 26 pump
Order numbers

Right hand rotation product no	Left hand rotation product no	Shaft	Port location	SAE O-ring pressure port size	SAE O-ring suction port size	Replaces
Model 26001 – 6,6 cm³/r [.40 in³/r] displacement						
26001-RZG	26001-LZG	5/8 Keyed	Side	7/8-14 UNF-2B	1-1/16-12 UN-2B	24300-RZA/LZA
26001-RZH	26001-LZH	5/8 Keyed	Rear	7/8-14 UNF-2B	1-1/16-12 UN-2B	24300-RZC/LZD
26001-RZJ	26001-LZJ	5/8 9 T Spline	Side	7/8-14 UNF-2B	1-1/16-12 UN-2B	24300-RZB/LZA
26001-RZK	26001-LZK	5/8 9 T Spline	Rear	7/8-14 UNF-2B	1-1/16-12 UN-2B	24300-RZD/LZE
Model 26002 – 8,2 cm³/r [.50 in³/r] displacement						
26002-RZA	26002-LZA	3/4 11T Spline	Side	7/8-14 UNF-2B	1-5/16-12 UN-2B	1-5/16-12 UN-2B
26002-RZB	26002-LZB	3/4 11T Spline	Rear	7/8-14 UNF-2B	1-5/16-12 UN-2B	1-5/16-12 UN-2B
26002-RZC	26002-LZC	3/4 Keyed	Side	7/8-14 UNF-2B	1-5/16-12 UN-2B	1-5/16-12 UN-2B
26002-RZD	26002-LZD	3/4 Keyed	Rear	7/8-14 UNF-2B	1-5/16-12 UN-2B	1-5/16-12 UN-2B
26002-RZE	26002-LZE	5/8 9 T Spline	Side	7/8-14 UNF-2B	1-5/16-12 UN-2B	1-5/16-12 UN-2B
26002-RZF	26002-LZF	5/8 9 T Spline	Rear	7/8-14 UNF-2B	1-5/16-12 UN-2B	1-5/16-12 UN-2B
26002-RZG	26002-LZG	5/8 Keyed	Side	7/8-14 UNF-2B	1-1/16-12 UN-2B	1-1/16-12 UN-2B
26002-RZH	26002-LZH	5/8 Keyed	Rear	7/8-14 UNF-2B	1-1/16-12 UN-2B	1-1/16-12 UN-2B
26002-RZJ	26002-LZJ	5/8 9 T Spline	Side	7/8-14 UNF-2B	1-1/16-12 UN-2B	1-1/16-12 UN-2B
26002-RZK	26002-LZK	5/8 9 T Spline	Rear	7/8-14 UNF-2B	1-1/16-12 UN-2B	1-1/16-12 UN-2B
Model 26003 – 9,5 cm³/r [.58 in³/r] displacement						
26003-RZG	26003-LZG	5/8 Keyed	Side	7/8-14 UNF-2B	1-1/16-12 UN-2B	24302-RZB/LZB
26003-RZH	26003-LZH	5/8 Keyed	Rear	7/8-14 UNF-2B	1-1/16-12 UN-2B	24302-RZC/LZD
26003-RZJ	26003-LZJ	5/8 9 T Spline	Side	7/8-14 UNF-2B	1-1/16-12 UN-2B	24302-RZA/LZA
26003-RZK	26003-LZK	5/8 9 T Spline	Rear	7/8-14 UNF-2B	1-1/16-12 UN-2B	24302-RZD/LZE
Model 26004 – 10,8 cm³/r [.66 in³/r] displacement						
26004-RZA	26004-LZA	3/4 11T Spline	Side	7/8-14 UNF-2B	1-5/16-12 UN-2B	25301-RSA/LSA
26004-RZB	26004-LZB	3/4 11T Spline	Rear	7/8-14 UNF-2B	1-5/16-12 UN-2B	25301-RSB/LSB
26004-RZC	26004-LZC	3/4 Keyed	Side	7/8-14 UNF-2B	1-5/16-12 UN-2B	25301-RSC/LSC
26004-RZD	26004-LZD	3/4 Keyed	Rear	7/8-14 UNF-2B	1-5/16-12 UN-2B	25301-RSD/LSD
26004-RZE	26004-LZE	5/8 9 T Spline	Side	7/8-14 UNF-2B	1-5/16-12 UN-2B	25301-RSE/LSE
26004-RZF	26004-LZF	5/8 9 T Spline	Rear	7/8-14 UNF-2B	1-5/16-12 UN-2B	25301-RSF/LSF
26004-RZG	26004-LZG	5/8 Keyed	Side	7/8-14 UNF-2B	1-1/16-12 UN-2B	24303-RZB/LZB
26004-RZH	26004-LZH	5/8 Keyed	Rear	7/8-14 UNF-2B	1-1/16-12 UN-2B	24303-RZE/LZF
26004-RZJ	26004-LZJ	5/8 9 T Spline	Side	7/8-14 UNF-2B	1-1/16-12 UN-2B	24303-RZD/LZA
26004-RZK	26004-LZK	5/8 9 T Spline	Rear	7/8-14 UNF-2B	1-1/16-12 UN-2B	24303-RZF/LZG
Model 26005 – 13,8 cm³/r [.84 in³/r] displacement						
26005-RZA	26005-LZA	3/4 11T Spline	Side	7/8-14 UNF-2B	1-5/16-12 UN-2B	25302-RSA/LSA
26005-RZB	26005-LZB	3/4 11T Spline	Rear	7/8-14 UNF-2B	1-5/16-12 UN-2B	25302-RSB/LSB
26005-RZC	26005-LZC	3/4 Keyed	Side	7/8-14 UNF-2B	1-5/16-12 UN-2B	25302-RSC/LSC
26005-RZD	26005-LZD	3/4 Keyed	Rear	7/8-14 UNF-2B	1-5/16-12 UN-2B	25302-RSD/LSD
26005-RZE	26005-LZE	5/8 9 T Spline	Side	7/8-14 UNF-2B	1-5/16-12 UN-2B	25302-RSE/LSE
26005-RZF	26005-LZF	5/8 9 T Spline	Rear	7/8-14 UNF-2B	1-5/16-12 UN-2B	25302-RSF/LSF
26005-RZG	26005-LZG	5/8 Keyed	Side	7/8-14 UNF-2B	1-1/16-12 UN-2B	24304-RZC/LZA
26005-RZH	26005-LZH	5/8 Keyed	Rear	7/8-14 UNF-2B	1-1/16-12 UN-2B	24304-RZG/LZF
26005-RZJ	26005-LZJ	5/8 9 T Spline	Side	7/8-14 UNF-2B	1-1/16-12 UN-2B	24304-RZD/LZB
26005-RZK	26005-LZK	5/8 9 T Spline	Rear	7/8-14 UNF-2B	1-1/16-12 UN-2B	24304-RZH/LZG

* 5/8 9 T Spline has a maximum allowable input torque of 62 Nm [550 lb-in].
** 5/8 Keyed shaft has a maximum allowable input torque of 56 Nm [500 lb-in].

Series 26 pump
Order numbers

Right hand rotation product no	Left hand rotation product no	Shaft	Port location	SAE O-ring pressure port size	SAE O-ring suction port size	Replaces
Model 26006 – 16,7 cm³/r [1.02 in³/r] displacement						
26006-RZA	26006-LZA	3/4 11T Spline	Side	7/8-14 UNF-2B	1-5/16-12 UN-2B	25303-RSA/LSA
26006-RZB	26006-LZB	3/4 11T Spline	Rear	7/8-14 UNF-2B	1-5/16-12 UN-2B	25303-RSB/LSB
26006-RZC	26006-LZC	3/4 Keyed	Side	7/8-14 UNF-2B	1-5/16-12 UN-2B	25303-RSC/LSC
26006-RZD	26006-LZD	3/4 Keyed	Rear	7/8-14 UNF-2B	1-5/16-12 UN-2B	25303-RSD/LSD
26006-RZE	26006-LZE	5/8 9 T Spline	Side	7/8-14 UNF-2B	1-5/16-12 UN-2B	25303-RSE/LSE
26006-RZF	26006-LZF	5/8 9 T Spline	Rear	7/8-14 UNF-2B	1-5/16-12 UN-2B	25303-RSF/LSF
26006-RZG	26006-LZG	5/8 Keyed	Side	7/8-14 UNF-2B	1-1/16-12 UN-2B	24305-RZC/LZA
26006-RZH	26006-LZH	5/8 Keyed	Rear	7/8-14 UNF-2B	1-1/16-12 UN-2B	24305-RZG/-LZF
26006-RZJ	26006-LZJ	5/8 9 T Spline	Side	7/8-14 UNF-2B	1-1/16-12 UN-2B	24305-RZD/LZB
26006-RZK	26006-LZK	5/8 9 T Spline	Rear	7/8-14 UNF-2B	1-1/16-12 UN-2B	24305-RZH/LZG
Model 26007 – 19,7 cm3/r [1.20 in3/r] Displacement						
26007-RZA	26007-LZA	3/4 11T Spline	Side	7/8-14 UNF-2B	1-5/16-12 UN-2B	25304-RSA/LSA
26007-RZB	26007-LZB	3/4 11T Spline	Rear	7/8-14 UNF-2B	1-5/16-12 UN-2B	25304-RSB/LSB
26007-RZC	26007-LZC	3/4 Keyed	Side	7/8-14 UNF-2B	1-5/16-12 UN-2B	25304-RSC/LSC
26007-RZD	26007-LZD	3/4 Keyed	Rear	7/8-14 UNF-2B	1-5/16-12 UN-2B	25304-RSD/LSD
26007-RZE	26007-LZE	*5/8 9 T Spline	Side	7/8-14 UNF-2B	1-5/16-12 UN-2B	25304-RSE/LSE
26007-RZF	26007-LZF	*5/8 9 T Spline	Rear	7/8-14 UNF-2B	1-5/16-12 UN-2B	25304-RSF/LSF
26007-RZG	26007-LZG	**5/8 Keyed	Side	7/8-14 UNF-2B	1-1/16-12 UN-2B	24306-RZA/LZA
26007-RZH	26007-LZH	**5/8 Keyed	Rear	7/8-14 UNF-2B	1-1/16-12 UN-2B	24306-RZE/LZF
26007-RZJ	26007-LZJ	*5/8 9 T Spline	Side	7/8-14 UNF-2B	1-1/16-12 UN-2B	24306-RZD/LZB
26007-RZK	26007-LZK	*5/8 9 T Spline	Rear	7/8-14 UNF-2B	1-1/16-12 UN-2B	24306-RZF/LZG
Model 26008 – 22,5 cm3/r [1.37 in3/r] Displacement						
26008-RZA	26008-LZA	3/4 11T Spline	Side	7/8-14 UNF-2B	1-5/16-12 UN-2B	25305-RSA/LSA
26008-RZB	26008-LZB	3/4 11T Spline	Rear	7/8-14 UNF-2B	1-5/16-12 UN-2B	25305-RSB/LSB
26008-RZC	26008-LZC	3/4 Keyed	Side	7/8-14 UNF-2B	1-5/16-12 UN-2B	25305-RSC/LSC
26008-RZD	26008-LZD	3/4 Keyed	Rear	7/8-14 UNF-2B	1-5/16-12 UN-2B	25305-RSD/LSD
26008-RZE	26008-LZE	*5/8 9 T Spline	Side	7/8-14 UNF-2B	1-5/16-12 UN-2B	25305-RSE/LSE
26008-RZF	26008-LZF	*5/8 9 T Spline	Rear	7/8-14 UNF-2B	1-5/16-12 UN-2B	25305-RSF/LSF
Model 26009 – 24,3 cm3/r [1.48 in3/r] Displacement						
26009-RZG	26009-LZG	**5/8 Keyed	Side	7/8-14 UNF-2B	1-1/16-12 UN-2B	24307-RZC/LZA
26009-RZH	26009-LZH	**5/8 Keyed	Rear	7/8-14 UNF-2B	1-1/16-12 UN-2B	24307-RZG/LZF
26009-RZJ	26009-LZJ	*5/8 9 T Spline	Side	7/8-14 UNF-2B	1-1/16-12 UN-2B	24307-RZD/LZB
26009-RZK	26009-LZK	*5/8 9 T Spline	Rear	7/8-14 UNF-2B	1-1/16-12 UN-2B	24307-RZH/LZG
Model 26010 – 25,2 cm3/r [1.54 in3/r] Displacement						
26010-RZA	26010-LZA	3/4 11T Spline	Side	7/8-14 UNF-2B	1-5/16-12 UN-2B	25306-RSA/LSA
26010-RZB	26010-LZB	3/4 11T Spline	Rear	7/8-14 UNF-2B	1-5/16-12 UN-2B	25306-RSB/LSB
26010-RZC	26010-LZC	3/4 Keyed	Side	7/8-14 UNF-2B	1-5/16-12 UN-2B	25306-RSC/LSC
26010-RZD	26010-LZD	3/4 Keyed	Rear	7/8-14 UNF-2B	1-5/16-12 UN-2B	25306-RSD/LSD
26010-RZE	26010-LZE	*5/8 9 T Spline	Side	7/8-14 UNF-2B	1-5/16-12 UN-2B	25306-RSE/LSE
26010-RZF	26010-LZF	*5/8 9 T Spline	Rear	7/8-14 UNF-2B	1-5/16-12 UN-2B	25306-RSF/LSF

* 5/8 9 T Spline has a maximum allowable input torque of 62 Nm [550 lb-in].
** 5/8 Keyed shaft has a maximum allowable input torque of 56 Nm [500 lb-in].

Series 26 pump
Order numbers

Right hand rotation product no	Left hand rotation product no	Shaft	Port location	SAE O-ring pressure port size	SAE O-ring suction port size	Replaces
Model 26011 – 27,7 cm3/r [1.69 in3/r] Displacement						
26011-RZA	26011-LZA	3/4 11T Spline	Side	7/8-14 UNF-2B	1-5/16-12 UN-2B	25307-RSA/LSA
26011-RZB	26011-LZB	3/4 11T Spline	Rear	7/8-14 UNF-2B	1-5/16-12 UN-2B	25307-RSB/LSB
26011-RZC	26011-LZC	3/4 Keyed	Side	7/8-14 UNF-2B	1-5/16-12 UN-2B	25307-RSC/LSC
26011-RZD	26011-LZD	3/4 Keyed	Rear	7/8-14 UNF-2B	1-5/16-12 UN-2B	25307-RSD/LSD
26011-RZE	26011-LZE	*5/8 9 T Spline	Side	7/8-14 UNF-2B	1-5/16-12 UN-2B	25307-RSE/LSE
26011-RZF	26011-LZF	*5/8 9 T Spline	Rear	7/8-14 UNF-2B	1-5/16-12 UN-2B	25307-RSF/LSF
Model 26012 – 29,0 cm3/r [1.77 in3/r] Displacement						
26012-RZG	26012-LZG	**5/8 Keyed	Side	7/8-14 UNF-2B	1-1/16-12 UN-2B	24308-RZA/LZA
26012-RZH	26012-LZH	**5/8 Keyed	Rear	7/8-14 UNF-2B	1-1/16-12 UN-2B	24308-RZE/LZF
26012-RZJ	26012-LZJ	*5/8 9 T Spline	Side	7/8-14 UNF-2B	1-1/16-12 UN-2B	24308-RZD/LZB
26012-RZK	26012-LZK	*5/8 9 T Spline	Rear	7/8-14 UNF-2B	1-1/16-12 UN-2B	24308-RZF/LZG
Model 26013 – 30,6 cm3/r [1.87 in3/r] Displacement						
26013-RZA	26013-LZA	3/4 11T Spline	Side	7/8-14 UNF-2B	1-5/16-12 UN-2B	25308-RZA/LZA
26013-RZB	26013-LZB	3/4 11T Spline	Rear	7/8-14 UNF-2B	1-5/16-12 UN-2B	25308-RZB/LZB
26013-RZC	26013-LZC	3/4 Keyed	Side	7/8-14 UNF-2B	1-5/16-12 UN-2B	25308-RZC/LZC
26013-RZD	26013-LZD	3/4 Keyed	Rear	7/8-14 UNF-2B	1-5/16-12 UN-2B	25308-RZD/LZD
26013-RZE	26013-LZE	*5/8 9 T Spline	Side	7/8-14 UNF-2B	1-5/16-12 UN-2B	25308-RZE/LZE
26013-RZF	26013-LZF	*5/8 9 T Spline	Rear	7/8-14 UNF-2B	1-5/16-12 UN-2B	25308-RZF/LZF

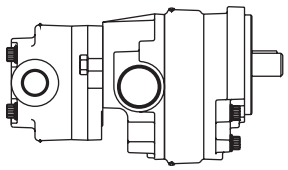
* 5/8 9 T Spline has a maximum allowable input torque of 62 Nm [550 lb-in].
** 5/8 Keyed shaft has a maximum allowable input torque of 56 Nm [500 lb-in].

Series 26 pump
Optional configurations

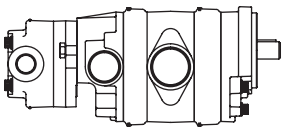
The series 26 gear pump components can be assembled into many optional configurations. The versatile design allows you to assemble a pump to meet your specific needs.

Model codes for single and multiple pumps along with the component part dimension drawings are given on the following pages.

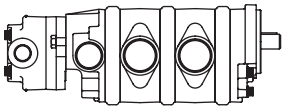
Single gear pump with tandem backplate



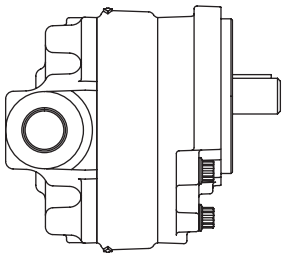
Double gear pump with tandem backplate



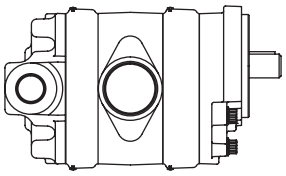
Triple gear pump with two suction ports and tandem backplate



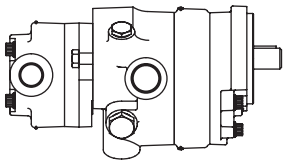
Single gear pump



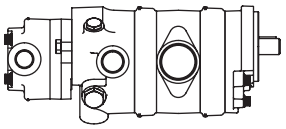
Double gear pump with common suction port



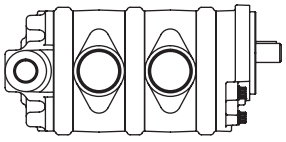
Single gear pump w/ tandem flow divider backplate



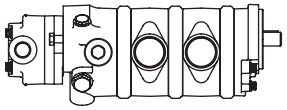
Double gear pump with tandem flow divider backplate



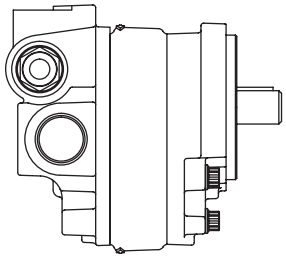
Triple gear pump with two suction ports



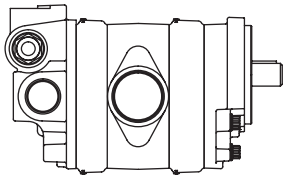
Triple gear pump with two suction ports and tandem flow divider backplate



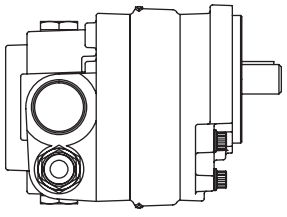
Single gear pump with relief valve



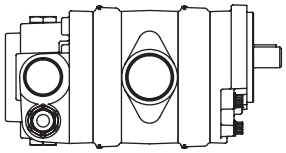
Double gear pump with relief valve



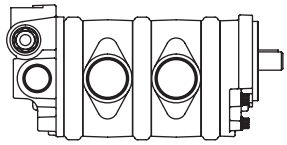
Single gear pump with flow divider and relief valve



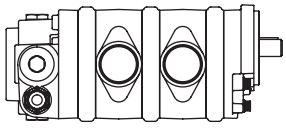
Double gear pump with flow divider and relief valve



Triple gear pump with two suction ports and relief valve



Triple gear pump with two suction ports, flow divider and relief valve

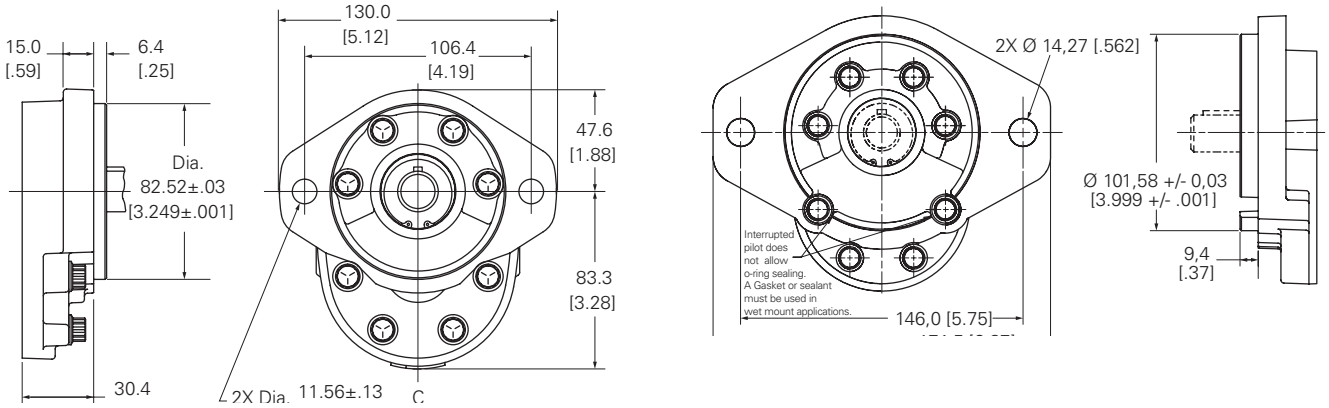


Series 26 pump
Component parts - dimensions

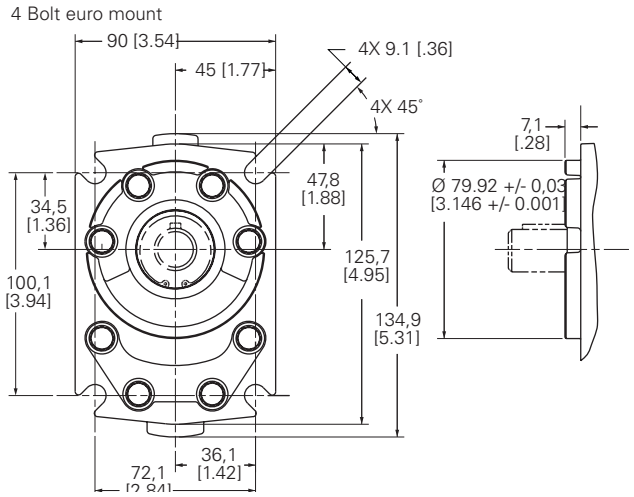
Front plate

SAE A 2 bolt flange used on all standard catalog assemblies

"B" Mount

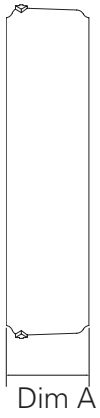


4 Bolt euro mount



Body

Used on single and multiple pumps



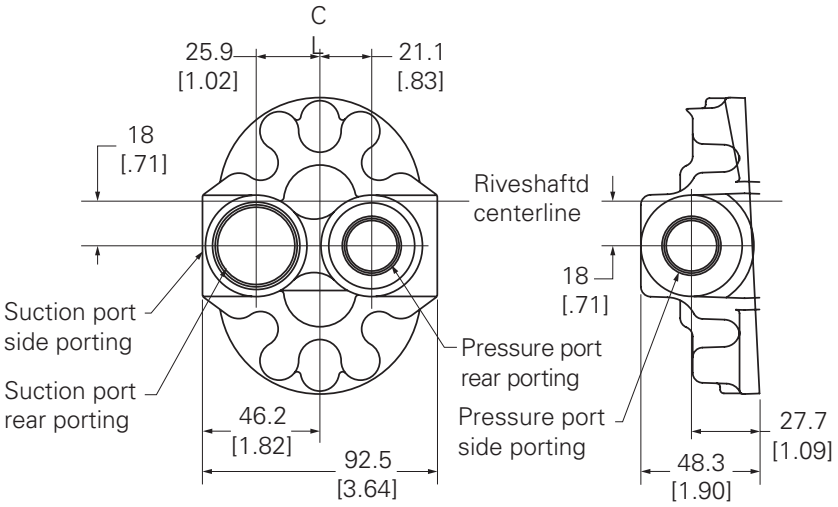
Model	26001	26002	26003	26004	26005	26006	26007
Displacement (cm^3/r [in^3/r])	6.6 [.40]	8.2 [.50]	9.5 [.58]	10.8 [.66]	13.8 [.84]	16.7 [1.02]	19.7 [1.20]
Dimension A (mm [in])	14.4 [.57]	16.3 [.64]	17.7 [.70	19.5 [.77]	22.7 [.89]	25.9 [1.02]	29.1 [1.15]

Model	26008	26009	26010	26011	26012	26013
Displacement (cm3/r [in3/r])	22.5 [1.37]	24.3 [1.48]	25.2 [1.54]	27.7 [1.69]	29.0 [1.77]	30.6 [1.87]
Dimension A (mm [in])	32.3 [1.27]	34.7 [1.36]	35.5 [1.40]	38.7 [1.52]	40.3 [1.59]	41.9 [1.65]

All dimensions are in mm [in].

Backplate

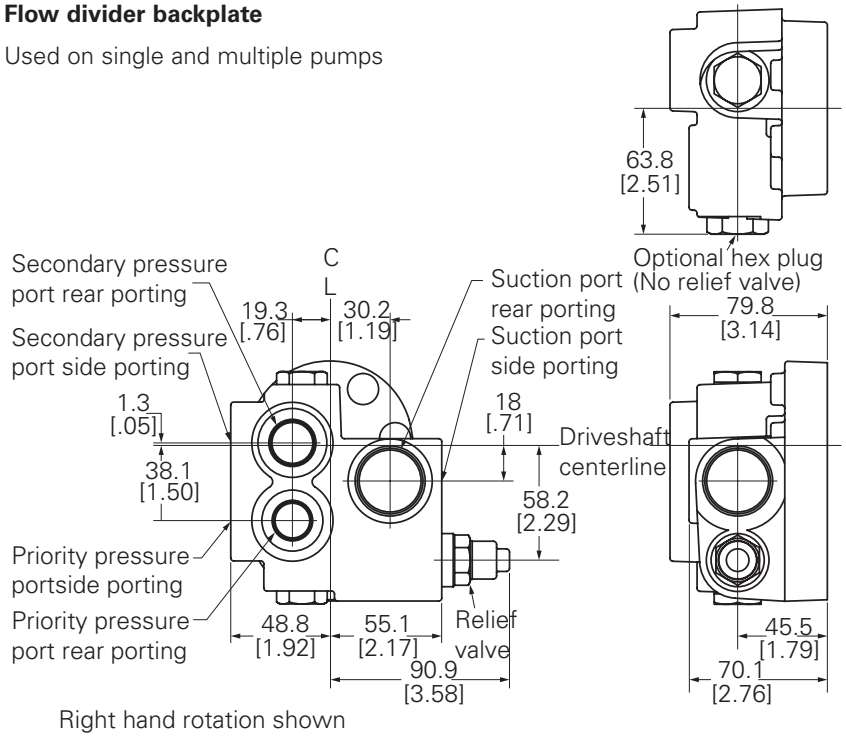
Used on single and multiple pumps



Left hand rotation shown

Flow divider backplate

Used on single and multiple pumps



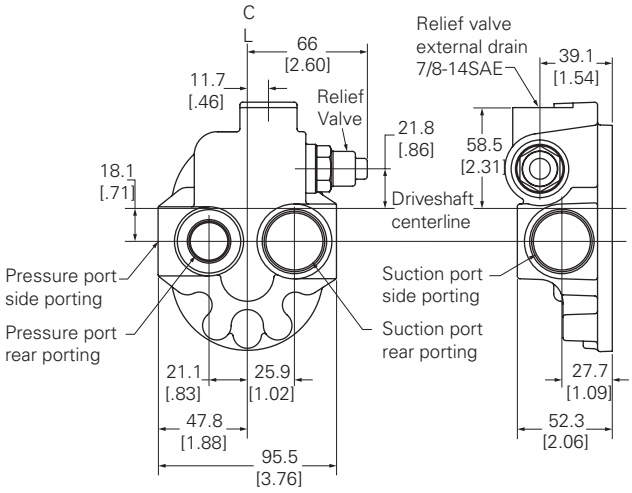
Right hand rotation shown

All dimensions are in mm [in].

Series 26 pump
Component parts - dimensions

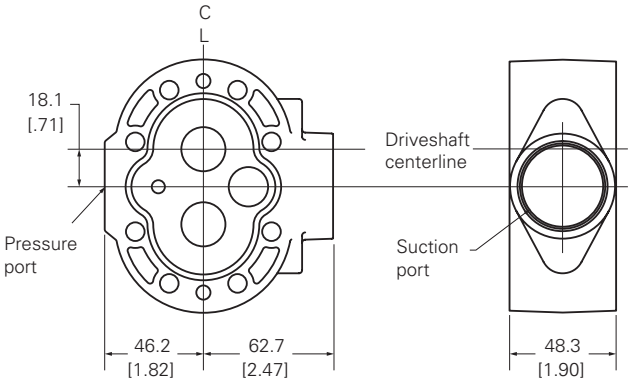
Relief valve backplate

Used on single and multiple pumps - right hand rotation shown



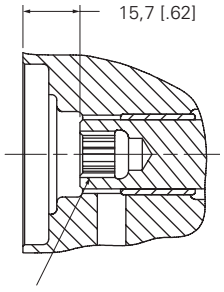
Adaptor plate

Used on multiple pumps - right hand rotation shown



Tandem backplate

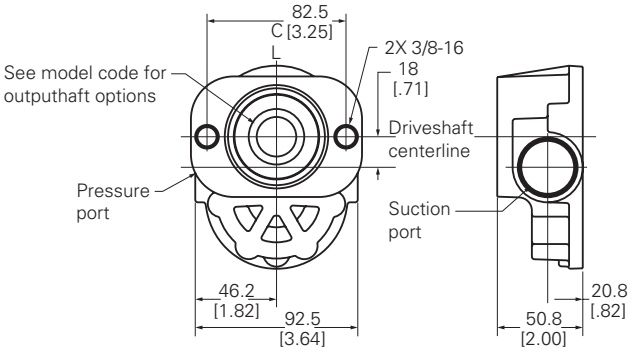
Used on single and multiple pumps SAE AA 2 bolt flange



9 tooth 20/40 DP 30˚
invlt flat rootclass I
side fit spline SAE J498b

9,7 [.38] min. full spline

Max torque rating: 29.5 Nm [261 lbf•



Right hand rotation shown

All dimensions are in mm [in].

Series 26 pump
Model code single

Series 26 gear pumps can be ordered by using the following model code.

A twenty-four digit coding system has been designed to identify the features presently available on single gear pumps. The characters and their relative positions within the code identify specific features.

Use the model code matrix as an aid when assembling the model code for the pump with the features you desire. It may be helpful to photocopy the matrix and write the numbers and letters into the boxes as you select features.

All twenty-four digits of the code must be submitted when ordering.

ACN	*	*	**	**	A	0	00	00	00	0	00	00	0	A
1 2 3	4	5	6 7	8 9	10	11	12 13	14 15	16 17	18	19 20	21 22	23	24

1 2 3 — 26 Series

ACN	Gear pump - single unit

4 — Unit type

A	Plain
B	Flow divider with/without relief valve (pos. 14-15)
C	Relief valve (pos. 16-17)

5 — Input rotation (viewed from input shaft end)

L	Left-hand rotation CCW
R	Right-hand rotation CW

6 7 — Displacement (cm^3/r [in^3/r])

01	6.6 [.40]
02	8.2 [.50]
03	9.5 [.58]
04	10.8 [.66]
05	13.8 [.84]
06	16.7 [1.02]
07	19.7 [1.20]
08	22.5 [1.37]
09	24.3 [1.48]
10	25.2 [1.54]
11	27.7 [1.69]
12	29.0 [1.77]
13	30.6 [1.87]

8 9 — Input shaft

AA	5/8 Inch dia. 9 Tooth spline 16/32 pitch shaft extension 31.8 [1.25]
AB	3/4 Inch dia. 11 Tooth spline 16/32 pitch shaft extension 31.8 [1.25]
AC	3/4 Inch dia. Straight keyed, keyway 4.8 X 25.4 [.19 X 1.00] Shaft extension 31.8 [1.25]
AD	5/8 Inch dia. Straight keyed, keyway 4.1 X 18.3 [.16 X .72] Shaft extension 31.8 [1.25]

10 — Mounting features

A	SAE 2-bolt a flange, series 82-2
B	SAE 2-bolt A flange with thru drain
C	SAE 2-bolt b flange, series 101-2
D	European 4-bolt

11 — Auxiliary mounting features

0	No rear mounting
C	(2-Bolt AA) SAE flange series 50-2, with 9 tooth internal spline 20/40 pitch, accepts 25.4 [1.00] Shaft extension

12 13 — Ports, sizes and location- backplate

01	Plain: suction port 1.3125-12 UN-2B SAE O-ring port; pressure port .875-14 UNF-2B SAE O-ring port - side sports
02	Plain: suction port 1.3125-12 UN-2B SAE O-ring port; pressure port .875-14 UNF-2B SAE O-ring port - rear ports
03	Plain: suction port 1.0625-12 UN-2B SAE O-ring port; pressure port .875-14 UNF-2B SAE O-ring port accepts fittings per SAE J1926 - side ports
04	Plain: suction port 1.0625-12 UN-2B SAE O-ring port; pressure port .875-14 UNF-2B SAE O-ring port accepts fittings per SAE J1926 -rear ports
08	Plain thru shaft: suction port 1.0625-12 UN-2B SAE Oring port; pressure port .875-14 UNF-2B SAE O-ring port - side ports
15	Relief valve: suction port 1.0625-12 UN-2B SAE O-ring port; pressure port .875-14 UNF-2B SAE O-ring port - side ports; drain port .875-14 UNF- 2B SAE O-ring port
16	Relief valve: suction port 1.0625-12 UN-2B SAE O-ring port; pressure port .875-14 UNF-2B SAE O-ring port - rear ports; drain port .875-14 UNF- 2B SAE O-ring port
20	Flow divider: suction port 1.3125-12 UN-2B SAE O-ring port; priority pressure port .750-16 UNF-2B SAE Oring port; secondary pressure port .875-14 UNF-2B SAE Oring Port - Side Ports

All dimensions are in inches.

Series 26 pump
Model code single

ACN	*	*	**	**	A	0	00	00	00	0	00	00	0	A
1 2 3	4	5	6 7	8 9	10	11	12 13	14 15	16 17	18	19 20	21 22	23	24

	21	Flow Divider: Suction Port 1.3125-12 UN-2B SAE O-ring Port; Priority Pressure Port .750-16 UNF-2B SAE Oring Port; Secondary Pressure Port .875-14 UNF-2B SAE Oring Port - Rear Ports

14 15 Priority flow divider setting (LPM [GPM])

00	No Flow Setting
AA	3.8 [1.00]
AD	7.6 [2.00]
AJ	11.4 [3.00]
AL	15.1 [4.00]
AN	18.9 [5.00]
AR	22.7 [6.00]
AS	26.5 [7.00]
AT	30.3 [8.00]

16 17 Relief valve full flow setting (bar [PSI])

00	No Relief Valve Setting
AA	34.5 [500]
AB	51.7 [750]
AC	68.9 [1000]
AE	86.2 [1250]
AF	103.4 [1500]
AJ	120.7 [1750]
AL	137.9 [2000]
AN	155.1 [2250]
AP	172.4 [2500]
AR	189.6 [2750]
AS	206.8 [3000]
BR	241.3 [3500]
BT	224.1 [3250]

18 Test Data

0	Generic
A	A - Unit Specific (required for flow divider and relief valve options.)

19 20 Special features

00	No Special Features
AB	Viton Shaft Seal

21 22 Paint

00	None
0A	Red Primer
0B	Black

23 Identification

0	Standard

24 Design code

A	A

All dimensions are in inches.

Series 26 pump
Model code multiple

Series 26 Gear Pumps can be ordered by using the following Model Code.

A thirty-two digit coding system has been designed to identify the features presently available on Multiple gear pumps. The characters and their relative positions within the code identify specific features. Use the Model Code Matrix as an aid when assembling the model code for the pump with the features you desire. It may be helpful to photocopy the matrix and write the numbers and letters into the boxes as you select features.

All thirty-two digits of the code must be submitted when ordering.

ACM	*	*	**	**	**	**	**	**	**	00	00	A	0	0	00	00	0	B
1 2 3	4	5	6 7	8 9	10 11	12 13	14 15	16 17	18 19	20 21	22 23	24	25	26	27 28	29 30	31	32

1 2 3 — 26 Series

ACM	Gear Pump - Multiple Unit

4 — Unit type

A	Plain
B	Flow Divider with/without Relief Valve (Pos. 20-21)
C	Relief Valve

5 — Input rotation (viewed from input shaft end)

L	Left-hand Rotation CCW
R	Right-hand Rotation CW

6 7 — Displacement - front (cm³/r [in³/r])

01	6.6 [.40]
02	8.2 [.50]
03	9.5 [.58]
04	10.8 [.66]
05	13.8 [.84]
06	16.7 [1.02]
07	19.7 [1.20]
08	22.5 [1.37]
09	24.3 [1.48]
10	25.2 [1.54]
11	27.7 [1.69]
12	29.0 [1.77]
13	30.6 [1.87]

8 9 — Displacement - Ctr. triple only (cm³/r [in³/r])

01	6.6 [.40]
02	8.2 [.50]
03	9.5 [.58]
04	10.8 [.66]
05	13.8 [.84]
06	16.7 [1.02]
07	19.7 [1.20]
08	22.5 [1.37]
09	24.3 [1.48]
10	25.2 [1.54]
11	27.7 [1.69]
12	29.0 [1.77]
13	30.6 [1.87]
99	No Center Displacement

10 11 — Displacement - front (cm³/r [in³/r])

01	6.6 [.40]
02	8.2 [.50]
03	9.5 [.58]
04	10.8 [.66]
05	13.8 [.84]
06	16.7 [1.02]
07	19.7 [1.20]
08	22.5 [1.37]
09	24.3 [1.48]
10	25.2 [1.54]
11	27.7 [1.69]
12	29.0 [1.77]
13	30.6 [1.87]

12 13 — Input shaft

AA	5/8 Inch Dia. 9 Tooth Spline 16/32 Pitch Shaft Extension 31.8 [1.25]
AB	3/4 Inch Dia. 11 Tooth Spline 16/32 Pitch Shaft Extension 31.8 [1.25]
AC	3/4 Inch Dia. Straight Keyed, Keyway 4.8 x 25.4 [.19 x 1.00] Shaft Extension 31.8 [1.25]
AD	5/8 Inch Dia. Straight Keyed, Keyway 4.1 X 18.3 [.16 X .72] Shaft Extension 31.8 [1.25]

14 15 — Front adapter ports

01	Suction Port 1-5/8–12 UN-2B SAE O-ring Port; Pressure Port 7/8–14 UNF-2B SAE O-ring Port
05	Suction Port 1-5/16–12 UN-2B SAE O-ring Port; Pressure Port 7/8–14 UNF-2B SAE O-ring Port

16 17 — Ports - rear adapter (triple units)

00	No Rear Adaptor
01	Suction Port 1-5/8–12 UN-2B SAE O-ring Port; Pressure Port 7/8–14 UNF-2B SAE O-ring Port
05	05 = Suction Port 1-5/16–12 UN-2B SAE O-ring Port; Pressure Port 7/8–14 UNF-2B SAE O-ring Port

All dimensions are in inches.

Series 26 pump
Model code multiple

ACM	*	*	**	**	**	**	**	**	**	00	00	A	0	0	00	00	0	B
1 2 3	4	5	6 7	8 9	10 11	12 13	14 15	16 17	18 19	20 21	22 23	24	25	26	27 28	29 30	31	32

18 19 Ports, sizes and location- backplate

01	Plain: Suction Port 1-5/16–12 UN-2B SAE O-ring Port Size; Pressure Port 7/8–14 UNF-2B SAE O-ring Port–Side Ports
02	Plain: Suction Port 1-5/16–12 UN-2B SAE O-ring Port Size; Pressure Port 7/8–14 UNF-2B SAE O-ring Port–Rear Ports
03	Plain: Suction Port 1-1/16–12 UN-2B SAE O-ring Port Size; Pressure Port 7/8–14 UNF-2B SAE O-ring Port–Side Ports
04	Plain: Suction Port 1-1/16–12 UN-2B SAE O-ring Port Size; Pressure Port 7/8–14 UNF-2B SAE O-ring Port–Rear Ports
08	Plain Tandem: Suction Port 1.0625-12 UN-2B SAE Oring Port; Pressure Port .875-14 UNF-2B SAE O-ring Port - Side Ports
14	Plain: Suction Port 1-5/16–12 UN-2B SAE O-ring Port Size–(Plugged); Pressure Port 7/8–14 UNF-2B SAE O-ring Port–Side Ports, used with position 14 and 15–01 and 16 and 17–10
17	Plain: Suction Port 1-5/16–12 UN-2B SAE O-ringPort Size–(Plugged); Pressure Port 7/8–14 UNF-2B SAE O-ring Port–Rear Ports, used with position 14 and 15–01 and 16 and 17–01
18	Plain Tandem: Suction Port 1.0625-12 UN-2B SAE Oring Port (Plugged); Pressure Port .875-14 UNF-2B SAE Oring Port - Side Ports
19	Plain: Suction Port 1.3125-12 UN-2B SAE O-ring Port (Plugged); Pressure Port 1.0625-12 UN-2B SAE O-ring Port - Side Ports
20	Relief Valve: Suction Port 1.0625-12 UN-2B SAE O-ring Port; Pressure Port .875-14 UNF-2B SAE O-ring Port - SIDE Ports; DRAIN Port .875- 14 UNF-2B SAE O-ring Port
21	Relief Valve: Suction Port 1.0625-12 UN-2B SAE O-ring Port; Pressure Port .875-14 UNF-2B SAE O-ring Port - Rear Ports; DRAIN Port .875-14 UNF-2B SAE O-ring Port - TOP Port
27	Flow Divider: Suction Port 1.3125-12 UN-2B SAE Oring Port; Priority Pressure Port .750-16 UNF-2B SAE Oring Port; Secondary Pressure Port .875-14 UNF-2B SAE Oring Port - SIDE Ports
28	Flow Divider: Suction Port 1.3125-12 UN-2B SAE Oring Port; Priority Pressure Port .750-16 UNF-2B SAE Oring Port; Secondary Pressure Port .875-14 UNF-2B SAE Oring Port - Rear Ports
29	Flow Divider: Suction Port 1.0625-12 UN-2B SAE Oring Port; Priority Pressure Port .5625-18 UNF-2B SAE Oring Port; Secondary Pressure Port .875-14 UNF-2B SAE Oring Port - SIDE Ports

Consult your Eaton representative when requiring common inlet option.

20 21 Priority flow divider setting (LPM [GPM])

00	No Flow Setting
AA	3.8 [1.00]
AD	7.6 [2.00]
AJ	11.4 [3.00]
AL	15.1 [4.00]
AN	18.9 [5.00]
AR	22.7 [6.00]
AS	26.5 [7.00]
AT	30.3 [8.00]

22 23 Relief valve full flow setting (bar [PSI])

00	No Relief Valve Setting
AA	34.5 [500]
AB	51.7 [750]
AC	68.9 [1000]
AE	86.2 [1250]
AF	103.4 [1500]
AJ	120.7 [1750]
AL	137.9 [2000]
AN	155.1 [2250]
AP	172.4 [2500]
AR	189.6 [2750]
AS	206.8 [3000]

All dimensions are in inches.

Series 26 pump
Model code multiple

ACM	*	*	**	**	**	**	**	**	**	00	00	A	0	0	00	00	0	B
1 2 3	4	5	6 7	8 9	10 11	12 13	14 15	16 17	18 19	20 21	22 23	24	25	26	27 28	29 30	31	32

24 Mounting features (front)

A	(2-Bolt A) SAE Flange, Series 82-3
C	(2-Bolt B) SAE Flange Series 82.3
G	(4-Bolt) European

25 Auxiliary mounting features

0	No Rear Mounting
C	(2-Bolt AA) SAE Flange Series 50-2, with 9 Tooth Internal Spline 20/40 Pitch, Accepts 25.4 [1.00] Shaft Extension

26 Test data

0	Generic
A	Unit Specific (required for flow divider and relief valve options.)

27 28 Special features

00	No Special Features
AB	Viton Shaft Seal

29 30 Paint

00	None
0A	Red Primer
0B	Black

31 Identification

0	Standard

32 Design code

B	B

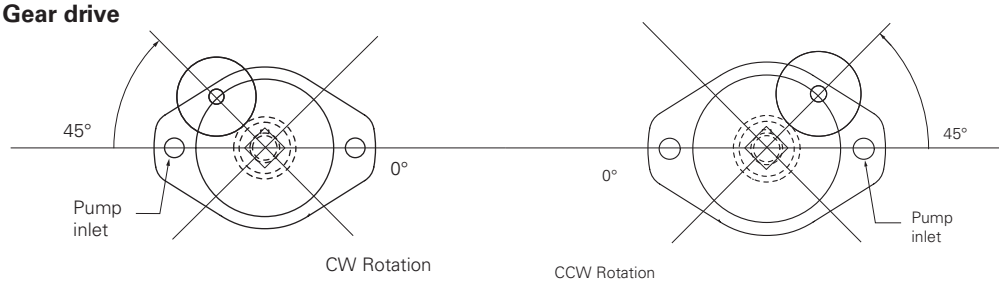
All dimensions are in inches.

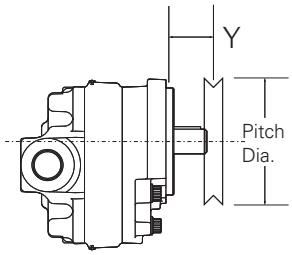
Series 26 pump
Side-load applications

Maximum allowable operating pressures

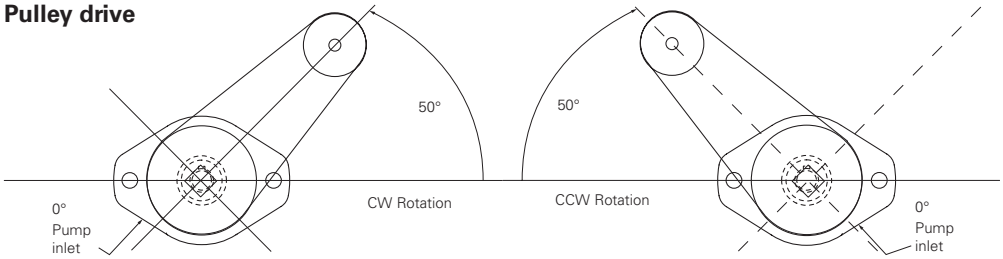
Ideal positions shown.Side load is acceptable within 90° of either side of the ideal position. Charts are based on 100% slack side tension. Max. speed per catalog. Max. operating pressure shown.

Gear drive





Pulley drive



0.40/0.50 CID

Pulley Ø	2	4	6	8	10	12
Gear pitch Ø	1	2	3	4	5	6
Y Dimension						
2.0″	3000	3000	3000	3000	3000	3000
1.5″	3000	3000	3000	3000	3000	3000
1.0″	3000	3000	3000	3000	3000	3000
0.5″	3000	3000	3000	3000	3000	3000
0″	3000	3000	3000	3000	3000	3000

0.58/0.66 CID

Pulley Ø	2	4	6	8	10	12
Gear pitch Ø	1	2	3	4	5	6
Y Dimension						
2.0″	2250	3000	3000	3000	3000	3000
1.5″	2250	3000	3000	3000	3000	3000
1.0″	2500	3000	3000	3000	3000	3000
0.5″	2500	3000	3000	3000	3000	3000
0″	2750	3000	3000	3000	3000	3000

.84 CID

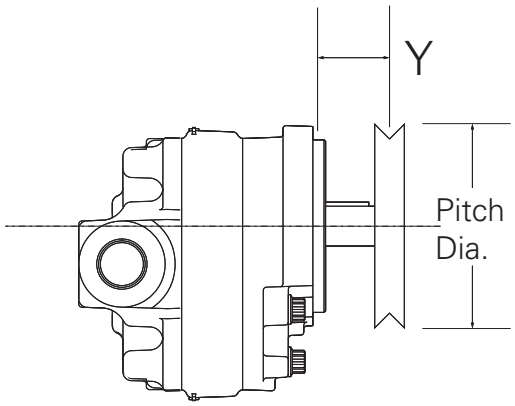
Pulley Ø	2	4	6	8	10	12
Gear pitch Ø	1	2	3	4	5	6
Y Dimension						
2.0″	1750	2500	3000	3000	3000	3000
1.5″	1750	2750	3000	3000	3000	3000
1.0″	2000	2750	3000	3000	3000	3000
0.5″	2000	3000	3000	3000	3000	3000
0″	2250	3000	3000	3000	3000	3000

1.02 CID

Pulley Ø	2	4	6	8	10	12
Gear pitch Ø	1	2	3	4	5	6
Y Dimension						
2.0″	1250	2000	2250	2500	2750	3000
1.5″	1250	2000	2500	2750	3000	3000
1.0″	1250	2000	2500	2750	3000	3000
0.5″	1500	2250	2500	2750	3000	3000
0″	1500	2250	2750	3000	3000	3000

Maximum allowable operating pressures

Ideal positions shown.Side load is acceptable within 90° of either side of the ideal position. Charts are based on 100% slack side tension. Max. speed per catalog. Max. operating pressure shown.



1.20 CID

Pulley Ø	2	4	6	8	10	12
Gear pitch Ø	1	2	3	4	5	6
Y Dimension						
2.0″	N/R	1500	2000	2250	2250	2500
1.5″	N/R	1500	2000	2250	2500	2500
1.0″	N/R	1750	2000	2250	2500	2500
0.5″	1250	1750	2250	2250	2500	2750
0″	1250	1750	2250	2500	2750	3000

1.69 CID

Pulley Ø	2	4	6	8	10	12
Gear pitch Ø	1	2	3	4	5	6
Y Dimension						
2.0″	N/R	N/R	1250	1500	1500	1750
1.5″	N/R	N/R	1250	1500	1500	1750
1.0″	N/R	N/R	1250	1500	1750	1750
0.5″	N/R	1250	1250	1500	1750	1750
0″	N/R	1250	1500	1750	1750	2000

1.37 CID

Pulley Ø	2	4	6	8	10	12
Gear pitch Ø	1	2	3	4	5	6
Y Dimension						
2.0″	N/R	1250	1750	2000	2000	2250
1.5″	N/R	1250	1750	2000	2000	2250
1.0″	N/R	1500	1750	2000	2250	2250
0.5″	N/R	1500	1750	2000	2250	2250
0″	N/R	1500	1750	2000	2250	2500

.1.48/1.54 CID

Pulley Ø	2	4	6	8	10	12
Gear pitch Ø	1	2	3	4	5	6
Y Dimension						
2.0″	N/R	N/R	1250	1500	1750	2000
1.5″	N/R	1250	1500	1750	1750	2000
1.0″	N/R	1250	1500	1750	2000	2000
0.5″	N/R	1250	1500	1750	2000	2000
0″	N/R	1500	1750	2000	2000	2250

1.77/1.87 CID

Pulley Ø	2	4	6	8	10	12
Gear pitch Ø	1	2	3	4	5	6
Y Dimension						
2.0″	N/R	N/R	N/R	1250	1500	1500
1.5″	N/R	N/R	1250	1250	1500	1500
1.0″	N/R	N/R	1250	1250	1500	1500
0.5″	N/R	N/R	1250	1500	1500	1750
0″	N/R	N/R	1250	1500	1750	1750

Series 26 pump
Load sensing priority valve

The Load Sensing Priority Valve is used with the open loop load sense systems that are typically used in steering and braking circuits. The load sense gear pump provides metered priority flow (CF)on demand.

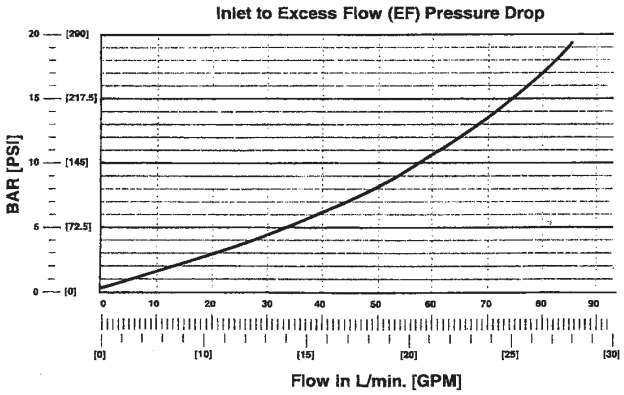
The excess flow (EF)is available for auxiliary circuits. The response time was selected to insure that the operator will not sense a delay or steering "kick"during transient conditions.

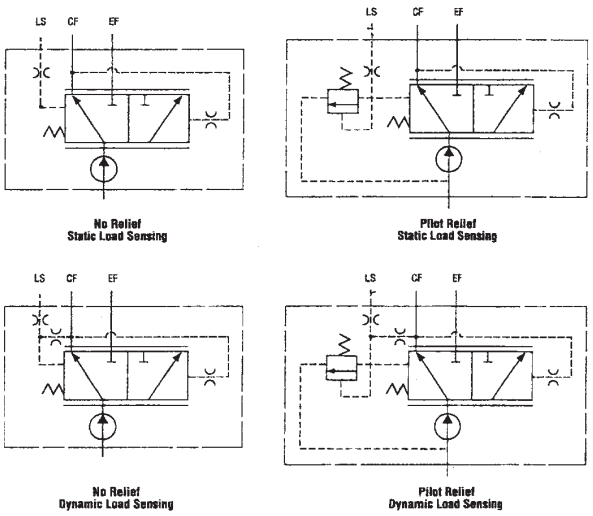
Valve specifications

Rated Pressure	207 BAR (3000PSI)
Rated Inlet Flow	108 L/m (28GPM)
Maximum Controlled Flow (CF)	33 L/m(8.5 GPM)
Bias Pressure	Dynamic - 10 bar (150 PSI) Std. Static - 6.9 bar (100 PSI) Std.
Relief Pressure	34.5-207 bar (500-3000 PSI)
Response Time	70 msec. max. (std. bias spring)

Pump specifications

Displacements	9 Available: 8.2cm³r [.50 in³/r] thru 30.6 cm³/r [1.87in³/r]
Mounting	SAE 2-Bolt A Mount SAE 2-Bolt B Mount 4-Bolt European Mount (80mm Pilot)





Rotation	Bi-Rotation
Mounting Flange	SAE A 2 Bolt
Max. Continuous Pressure†	210 bar [3000 PSI]*
Max. Intermittent Pressure††	240 bar [3500 PSI]**
Minimum Speed at Continuous Pressure	750 RPM
Maximum Rotating Torque at 0 Pressure	4 Nm [36 lb-in]
Maximum Continuous Operating Temperature	105°C [220°F]
Minimum Continuous Oil Viscocity	5.7 cSt [45 SUS]
Minimum Operating Temperature	-29°C [-20°F]
Maximum Inlet Vacuum at Operating Condition	0,8 bar Abs. [11.6 psi Abs.]
Maximum Thrust Load	50 lbs.
Maximum Seal Pressure	150 PSI, 200 PSI @ 1500 RPM

† Continuous - motor may be run continuously at these ratings.

†† Intermittent - intermittent operation, 10% of every minute.

* 31.8 cm³/rev. [1.94 in³/rev.] displacement max. continuous pressure is 190 bar [2750 PSI].

** 31.8 cm³/rev. [1.94 in³/rev.] displacement max. intermittent pressure is 224 bar [3250 PSI]. For side load limits consult your Eaton representative.

Displacement cm³/r [in³/r]	**7,0 [.43]**	**8,8 [.54]**	**10,1 [.62]**	**11,6 [.71]**	**14,5 [.88]**	**17,3 [1.06]**	**20,3 [1.24]**
Max. Intermittent Pressure bar [PSI]	241 [3495]	241 [3495]	241 [3495]	241 [3495]	241 [3495]	241 [3495]	241 [3495]
Rated Speed (RPM)	3600	3600	3600	3600	3600	3200	3200
Minimum Output Flow at Continuous Rated Speed and Pressure LPM [GPM]	22,2 [5.9]	27,9 [7.4]	32,0 [8.5]	36,7 [9.7]	48,0 [12.7]	50,9 [13.5]	59,8 [15.8]

Displacement cm³/r [in³/r]	**23,1 [1.41]**	**25,2 [1.54]**	**26,0 [1.59]**	**28,8 [1.76]**	**30,3 [1.85]**	**31,7 [1.93]**
Max. Intermittent Pressure bar [PSI]	241 [3495]	241 [3495]	241 [3495]	241 [3495]	234 [3393]	224 [3248]
Rated Speed (RPM)	3000	3000	3000	3000	3000	3000
Minimum Output Flow at Continuous Rated Speed and Pressure LPM [GPM]	63,8 [16.8]	69,6 [18.4]	71,8 [19.0]	79,5 [21.0]	83,6 [22.1]	87,5 [23.1]

The performance data in the table above and the following graphs was collected using a mineral base oil with a viscosity of 133 SUS at 49°C [120°F].

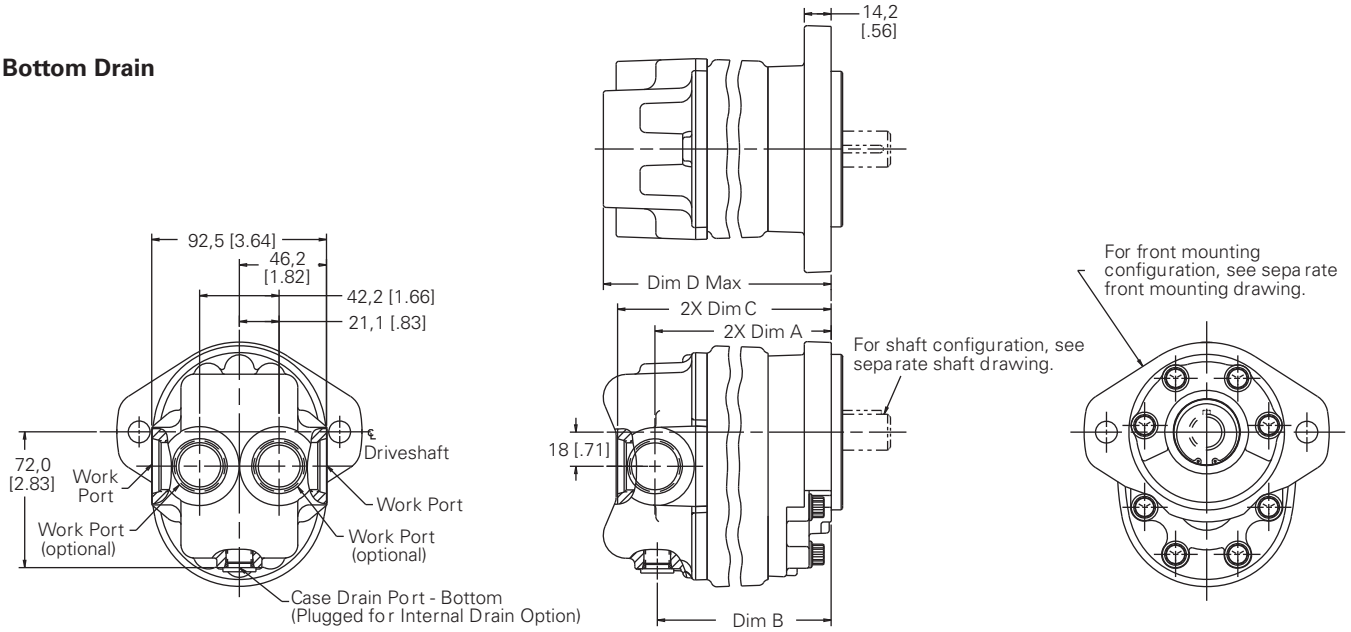
Ordering information

Catalog assemblies cross reference

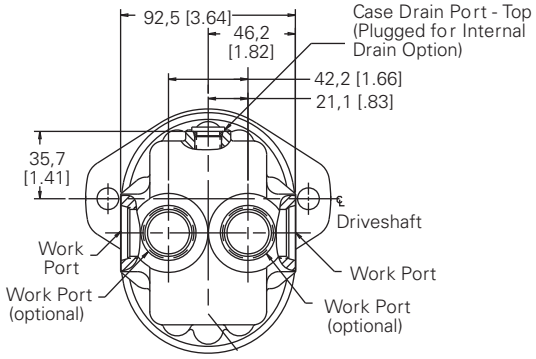
Standard catalog assemblies are built from high production parts and are the most economical pump assemblies available in this series. The standard assembly order number is a preassigned part number and may be used to order the specific standard assembly (see page 27).

Series 26 Motor
Performance Data

Bottom Drain

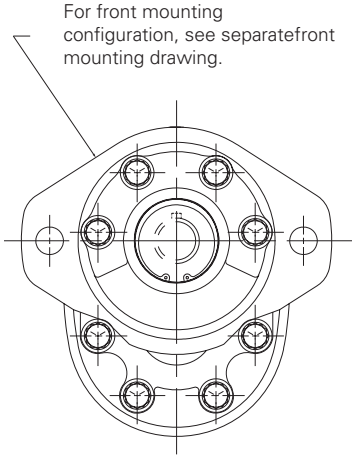


Top Drain



Front mount: 2 bolt SAE A and B

Displacement	Dim A	Dim B	Dim C	Dim D
cm³/r [in³/r]	mm [in]	mm [in]	mm [in]	mm [in]
7.0 [.43]	69.2 [2.72]	67.9 [2.67]	89.0 [3.50]	96.6 [3.80]
8.8 [.54]	71.1 [2.80]	69.8 [2.75]	90.9 [3.58]	98.5 [3.88]
10.2 [.62]	72.6 [2.86]	71.3 [2.81]	92.4 [3.64]	100.0 [3.94]
11.6 [.71]	74.3 [2.93]	73.0 [2.88]	94.1 [3.71]	101.7 [4.01]
12.5 [.76]	75.2 [2.96]	74.0 [2.91]	95.1 [3.74]	102.7 [4.04]
14.6 [.89]	77.5 [3.05]	76.2 [3.00]	97.3 [3.83]	104.9 [4.13]
17.4 [1.06]	80.7 [3.18]	79.4 [3.13]	100.5 [3.96]	108.1 [4.26]
20.3 [1.24]	83.9 [3.30]	82.6 [3.25]	103.7 [4.08]	111.3 [4.38]
23.1 [1.41]	87.1 [3.43]	85.8 [3.38]	106.9 [4.21]	114.5 [4.51]
26.1 [1.59]	90.3 [3.56]	89.0 [3.51]	110.1 [4.34]	117.7 [4.64]
28.8 [1.76]	93.5 [3.68]	92.2 [3.63]	113.3 [4.46]	120.9 [4.76]
31.8 [1.94]	96.7 [3.81]	95.4 [3.76]	116.5 [4.59]	124.1 [4.89]

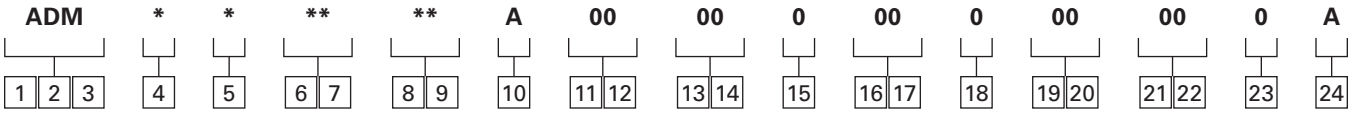


Series 26 Gear Pumps can be ordered by using the following Model Code.

A twenty-four digit coding system has been designed to identify the features presently available on Single gear pumps. The characters and their relative positions within the code identify specific features.

Use the Model Code Matrix as an aid when assembling the model code for the pump with the features you desire. It may be helpful to photocopy the matrix and write the numbers and letters into the boxes as you select features.

All twenty-four digits of the code must be submitted when ordering.



1 2 3 — 26 Series

ADM	Gear Motor

4 — Unit type

A	Plain

5 — Output rotation

D	Bi-Directional
L	Left-hand Rotation CCW
R	Right-hand Rotation CW

6 7 — Displacement (cm³/r [in³/r])

01	7.0 [.43]
02	8.8 [.54]
03	10.2 [.62]
04	11.6 [.71]
05	14.6 [.89]
06	17.4 [1.06]
07	17.4 [1.06]
08	23.1 [1.41]
09	25.2 [1.54]
10	26.1 [1.59]
11	28.8 [1.76]
12	30.3 [1.85]
13	31.8 [1.94]

8 9 — Output shaft

AA	9 Tooth Spline 16/32 Spline, Min. Full Spline 22.4 [.88], Shaft Extension 31.8 [1.25]
AB	11 Tooth Spline 16/32 Spline, Min. Full Spline 22.4 [.88], Shaft Extension 31.8 [1.25]
AC	Straight Shaft Dia 19.05 [.750], Keyway 4.8 x 25.4 [.19 x 1.00], Shaft Extension 31.8 [1.25] (Key Included)
AD	Straight Shaft Dia 15.88 [.625], Keyway 4.1 x 18.3 [.16 x .72], Shaft Extension 31.8 1.25] (Key Included)
AJ	Dia 15.88 [.625], Taper .125:1, .500-20 UNF-2A, Keyway 4.1 x 17.5 [.16 x .69], Shaft Extension 43.7 [1.72] (Key Included)

10 — Mounting features

A	2-Bolt A - SAE Flange Series 82-2

11 12 — Ports, sizes and location- backplate

01	Inlet Port 1.0625-12 UN-2B SAE O-Ring Port; Outlet Port 1.0625-12 UN-2B SAE O-Ring Port - Side Ports
02	Inlet Port 1.0625-12 UN-2B SAE O-Ring Port; Outlet Port 1.0625-12 UN-2B SAE O-Ring Port - Rear Ports
03	Inlet Port .875-14 UN-2B SAE O-Ring Port; Outlet Port .875-14 UN-2B SAE O-Ring Port - Side Ports
04	Inlet Port .875-14 UN-2B SAE O-Ring Port; Outlet Port .875-14 UN-2B SAE O-Ring Port - Rear Ports

13 14 — Case drain

00	No Case Drain
AA	.5625-18 UNF-2B SAE O-Ring Port - Bottom
AB	.5625-18 UNF-2B SAE O-Ring Port - Top
AC	Internal with Bi-Directional Checks, .5625-18 UNF-2B SAE O-Ring Port - Plugged
AD	.5625-18 UNF-2B SAE O-Ring Port - Bottom-Plugged
AE	.5625-18 UNF-2B SAE O-Ring Port - Top-Plugged

15 — Relief valve type

0	No Relief Valve
C	Cross-over

16 17 — Relief valve setting bar [lbf/in2]

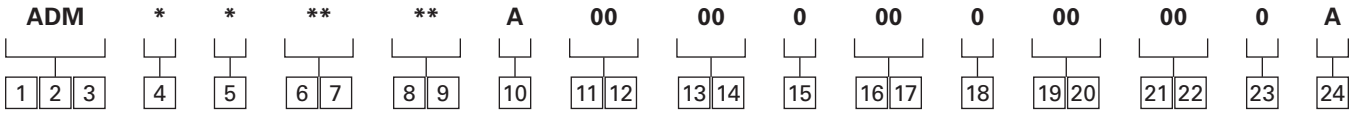
00	No Relief Valve Setting
AA	117.2 [1700]
AB	141.3 [2050]
AC	31.0 [450]

18 — Test data

0	Generic
A	Unit Specific (Used with Relief Valve)

All dimensions are in inches.

Series 26 motor
Model code - single



19 20	**Special features**	
	00	No Special Features
21 22	**Paint**	
	00	None
	0A	Primer per Spec 209-13A
	0B	Black per Spec 209-13B
23	**Identification**	
	0	Standard
24	**Design code**	
	A	A

All dimensions are in inches.

Series L2 pump
General specifications and performance data

Rotation	CCW or CW
Mounting Flange	SAE 2 Bolt B
Maximum Continuous† Pressure	248 bar [3600 PSI]*
Maximum Intermittent†† Pressure	276 bar [4000 PSI]**
Minimum Speed at Continuous Pressure	750 RPM
Maximum Continuous Inlet Temperature	107°C [225°F]
Minimum Operating Temperature	-29°C [-20°F]
Maximum Inlet Vacuum at 82°C [180°F] and Rated Speed	6.0 In. Hg

† Continuous - pump may be run continuously at these ratings.

†† Intermittent - Intermittent operation, 10% of every minute.

For side load limits consult your Eaton representative.

* 46.7 [2.85] displacement maximum continuous pressure is 224 bar [3250 PSI]
51.1 [3.12] displacement maximum continuous pressure is 207 bar [3000 PSI]
55.2 [3.37] displacement maximum continuous pressure is 190 bar [2750 PSI]

** 46.7 [2.85] displacement maximum intermittent pressure is 252 bar [3650 PSI]
51.1 [3.12] displacement maximum intermittent pressure is 234 bar [3400 PSI]
55.2 [3.37] displacement maximum intermittent pressure is 217 bar [3150 PSI]

Model	25500	25501	25502	25503	25504	25505	25506	25507	25508
Displacement cm^3/r [in^3/r]	21.3 [1.30]	25.4 [1.55]	29.2 [1.78]	33.6 [2.05]	38.2 [2.33]	42.8 [2.61]	46.7 [2.85]	51.1 [3.12]	55.2 [3.37]
Max. Continuous† Pressure bar [PSI]	248 [3600]	248 [3600]	248 [3600]	248 [3600]	248 [3600]	248 [3600]	224 [3250]	207 [3000]	190 [2750]
Max. Intermittent†† Pressure bar [PSI]	276 [4000]	276 [4000]	276 [4000]	276 [4000]	276 [4000]	276 [4000]	252 [3650]	234 [3400]	217 [3150]
Rated Speed (RPM)	3500	3000	3000	2750	2750	2500	2500	2500	2250
Minimum Output Flow at 207 bar [3000 PSI] and Rated Speed LPM [GPM]	61,3 [16.2]	64,7 [17.1]	78,0 [20.6]	83,3 [22.0]	94,6 [25.0]	96,1 [25.4]	105,2 [27.8]	115,1 [30.4]	112,0 [29.6]

The performance data in the table above and the following graphs was collected using a mineral base oil with a viscosity of 133 SUS at 49° C [120° F]. The following performance graphs are representative of the series.

† Continuous - pump may be run continuously at these ratings.

†† Intermittent - Intermittent operation, 10% of every minute.

Ordering information

Standard catalog assemblies

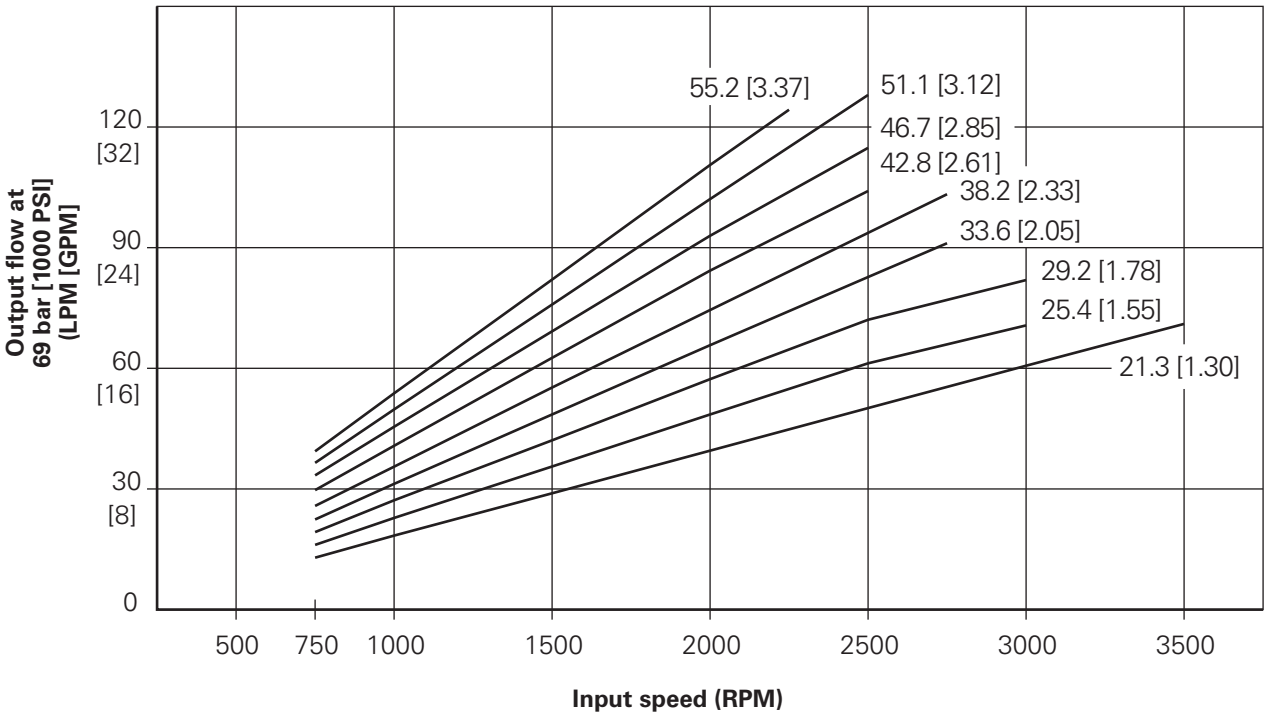
Standard Catalog Assemblies are built from high quality production parts and are the most economical pumps available in this series. Dimensions and order numbers for Standard Catalog Assemblies are given on pages 29-30.

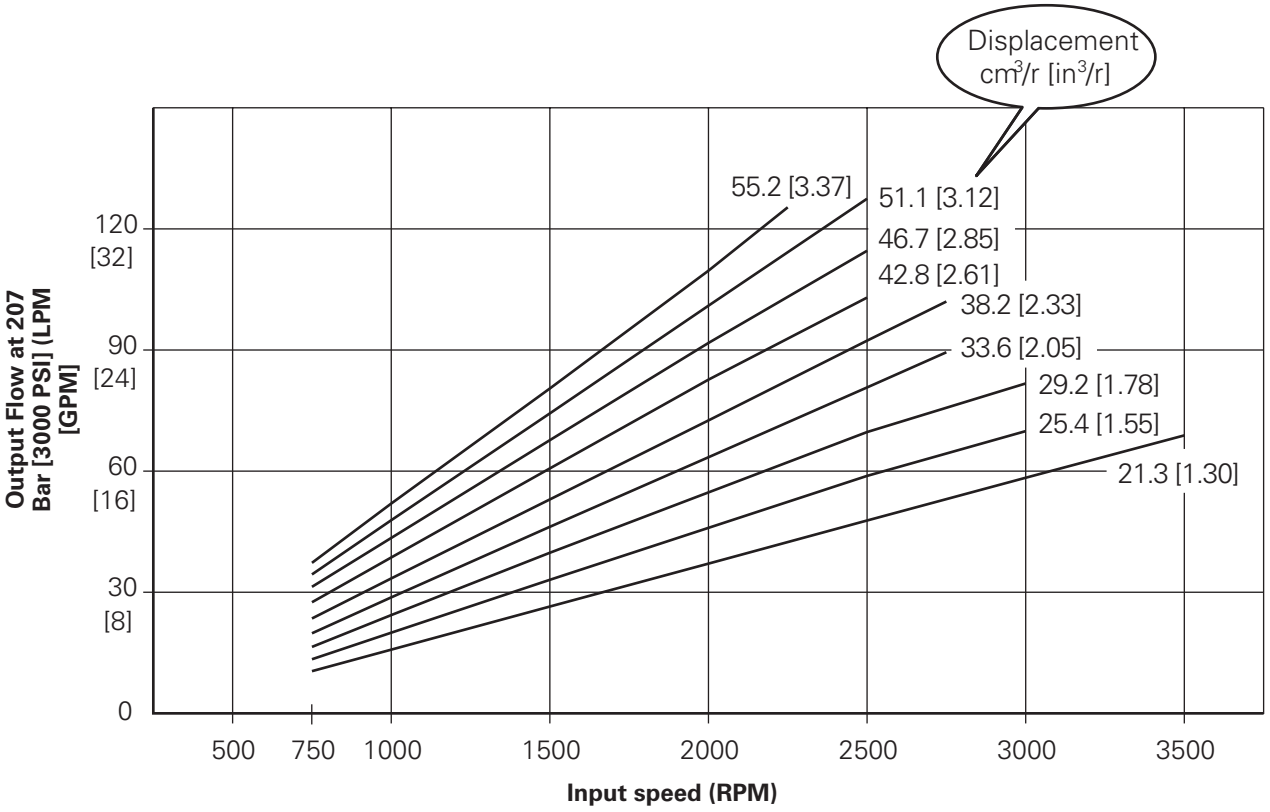
Optional configurations

Besides the Standard Catalog Assemblies, the L2 Series has several optional features. Flow divider and tandem backplates are available. Multiple gear pumps can also be built. If a variation from the Standard Catalog Assemblies is required, use the model codes on pages 35-36..

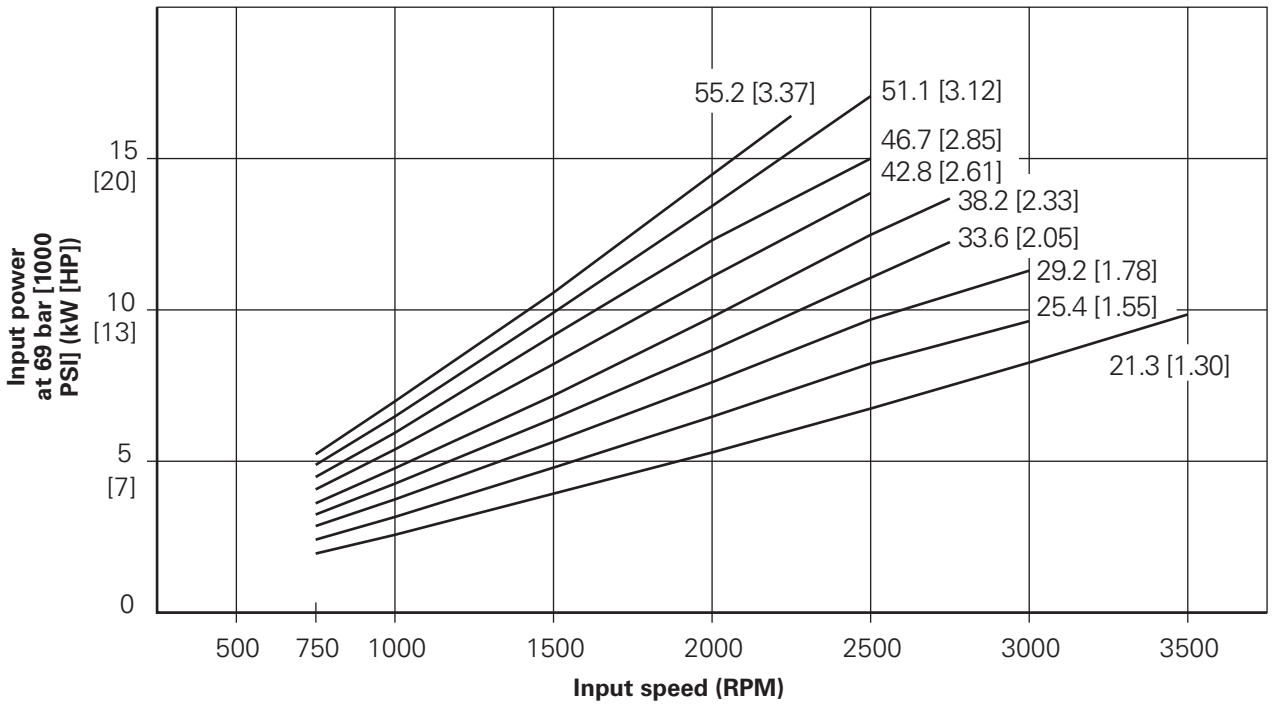
Series L2 pump
Performance data charts

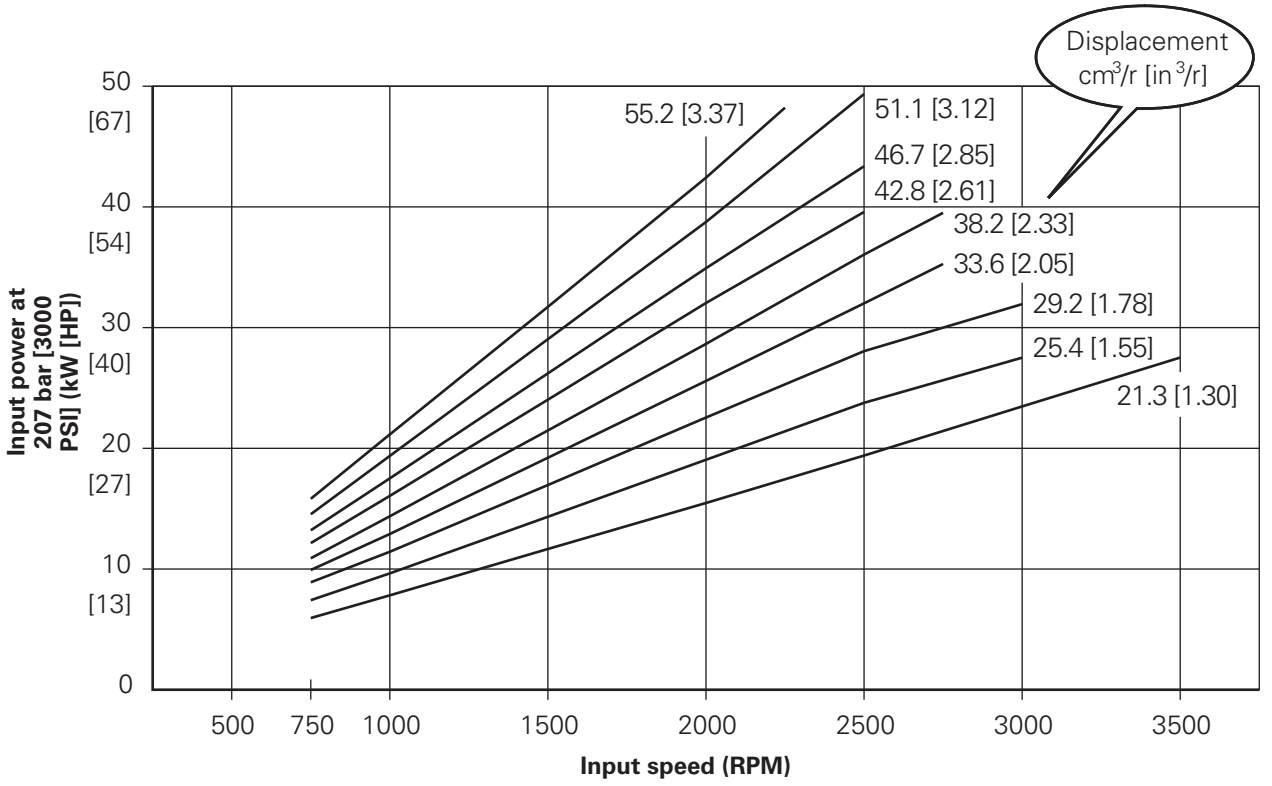
Output power vs speed





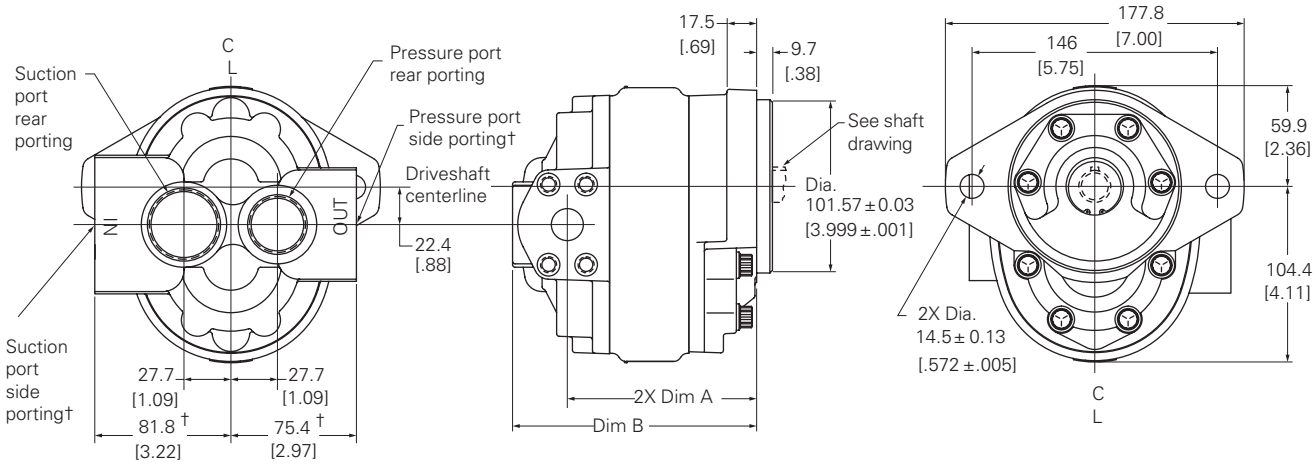
Input Power vs Speed





The performance data show in the graphs are representative of this series. Tests were performed per SAE specifications using mineral base oil with a viscosity of 133 SUS at 49° C [120° F].

Series L2 pump
Standard catalog assemblies - dimensions



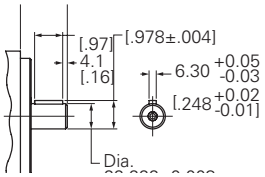
Left hand rotation shown

† For split flange porting subtract .8 [.03], available in side porting only

Model	25500	25501	25502	25503	25504	25505	25506	25507	25508
Displacement (cm³/r [in³/r])	21.3 [1.30]	25.4 [1.55]	29.2 [1.78]	33.6 [2.05]	38.2 [2.33]	42.8 [2.61]	46.7 [2.85]	51.1 [3.12]	55.2 [3.37]
Dimension A (mm [in.])	84.8 [3.34]	88.2 [3.47]	91.7 [3.61]	95.1 [3.75]	98.6 [3.88]	102.0 [4.02]	105.3 [4.14]	109.0 [4.29]	112.4 [4.43]
Dimension B (mm [in.])	117.3 [4.62]	120.8 [4.75]	124.2 [4.89]	127.7 [5.03]	131.1 [5.16]	134.6 [5.30]	137.8 [5.42]	141.5 [5.57]	145.0 [5.71]

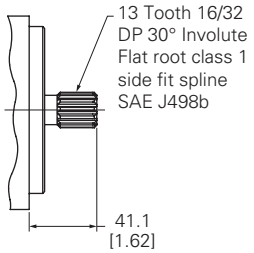
7/8 inch straight key

Maximum Input Torque††
170 Nm [1500 lb-in]



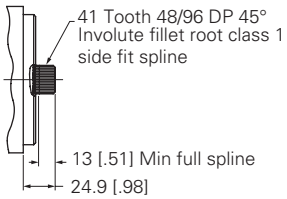
7/8 inch 13 tooth spline

Maximum Input Torque††
209 Nm [1850 lb-in]



7/8 inch 41 tooth spline

Maximum Input Torque††
316 Nm [2800 lb-in]



*** Multiple pump input torque limitations:**

The total torque for multiple pump displacements and pressure combinations cannot exceed the maximum input torque rating of the shaft. The proper formula is Pressure times Displacement divided by 6.28.

All dimensions are in mm [in].

Right hand rotation product no	Left hand rotation product no	Shaft	Port location	SAE pressure port size	SAE suction port size
Model 25500 – 21.3 cm³/r [1.30 in³/r] Displacement					
25500-RSA	25500-LSA	13 T Spline	Side	1-1/16-12	1-5/8-12
25500-RSB	25500-LSB	13 T Spline	Rear	1-1/16-12	1-5/8-12
25500-RSC	25500-LSC	7/8 Keyed	Side	1-1/16-12	1-5/8-12
25500-RSD	25500-LSD	7/8 Keyed	Rear	1-1/16-12	1-5/8-12
25500-RSE	25500-LSE	13 T Spline	Side	3/4 Split Flange	1-1/4 Split Flange
25500-RSF	25500-LSF	7/8 Keyed	Side	3/4 Split Flange	1-1/4 Split Flange
Model 25501 – 25.4 cm³/r [1.55 in³/r] Displacement					
25501-RSA	25501-LSA	13 T Spline	Side	1-1/16-12	1-5/8-12
25501-RSB	25501-LSB	13 T Spline	Rear	1-1/16-12	1-5/8-12
25501-RSC	25501-LSC	7/8 Keyed	Side	1-1/16-12	1-5/8-12
25501-RSD	25501-LSD	7/8 Keyed	Rear	1-1/16-12	1-5/8-12
25501-RSE	25501-LSE	13 T Spline	Side	3/4 Split Flange	1-1/4 Split Flange
25501-RSF	25501-LSF	7/8 Keyed	Side	3/4 Split Flange	1-1/4 Split Flange
Model 25502 – 29.2 cm³/r [1.78 in³/r] Displacement					
25502-RSA	25502-LSA	13 T Spline	Side	1-1/16-12	1-5/8-12
25502-RSB	25502-LSB	13 T Spline	Rear	1-1/16-12	1-5/8-12
25502-RSC	25502-LSC	7/8 Keyed	Side	1-1/16-12	1-5/8-12
25502-RSD	25502-LSD	7/8 Keyed	Rear	1-1/16-12	1-5/8-12
25502-RSE	25502-LSE	13 T Spline	Side	3/4 Split Flange	1-1/4 Split Flange
25502-RSF	25502-LSF	7/8 Keyed	Side	3/4 Split Flange	1-1/4 Split Flange
Model 25503 – 33.6 cm³/r [2.05 in³/r] Displacement					
25503-RSA	25503-LSA	13 T Spline	Side	1-1/16-12	1-5/8-12
25503-RSB	25503-LSB	13 T Spline	Rear	1-1/16-12	1-5/8-12
25503-RSC	25503-LSC	7/8 Keyed	Side	1-1/16-12	1-5/8-12
25503-RSD	25503-LSD	7/8 Keyed	Rear	1-1/16-12	1-5/8-12
25503-RSE	25503-LSE	13 T Spline	Side	3/4 Split Flange	1-1/4 Split Flange
25503-RSF	25503-LSF	7/8 Keyed	Side	3/4 Split Flange	1-1/4 Split Flange
Model 25504 – 38.2 cm³/r [2.33 in³/r] Displacement					
25504-RSA	25504-LSA	13 T Spline	Side	1-1/16-12	1-5/8-12
25504-RSB	25504-LSB	13 T Spline	Rear	1-1/16-12	1-5/8-12
25504-RSC	25504-LSC	7/8 Keyed	Side	1-1/16-12	1-5/8-12
25504-RSD	25504-LSD	7/8 Keyed	Rear	1-1/16-12	1-5/8-12
25504-RSE	25504-LSE	13 T Spline	Side	3/4 Split Flange	1-1/4 Split Flange
25504-RSF	25504-LSF	7/8 Keyed	Side	3/4 Split Flange	1-1/4 Split Flange
Model 25505 – 42.8 cm³/r [2.61 in³/r] Displacement					
25505-RSA	25505-LSA	13 T Spline	Side	1-1/16-12	1-5/8-12
25505-RSB	25505-LSB	13 T Spline	Rear	1-1/16-12	1-5/8-12
25505-RSC	25505-LSC	7/8 Keyed	Side	1-1/16-12	1-5/8-12
25505-RSD	25505-LSD	7/8 Keyed	Rear	1-1/16-12	1-5/8-12
25505-RSE	25505-LSE	13 T Spline	Side	3/4 Split Flange	1-1/4 Split Flange
25505-RSF	25505-LSF	7/8 Keyed	Side	3/4 Split Flange	1-1/4 Split Flange

Series L2 pump
Order numbers

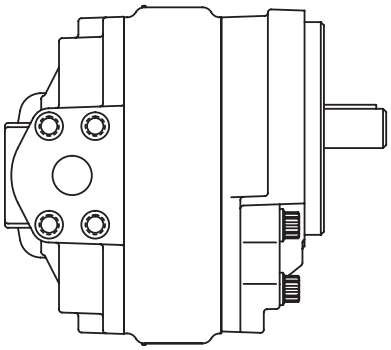
Right hand rotation product no	Left hand rotation product no	Shaft	Port location	SAE pressure port size	SAE suction port size
Model 25506 – 46.7 cm³/r [2.85 in³/r] Displacement					
25506-RSA	25506-LSA	13 T Spline	Side	1-1/16-12	1-5/8-12
25506-RSB	25506-LSB	13 T Spline	Rear	1-1/16-12	1-5/8-12
25506-RSC	25506-LSC	7/8 Keyed	Side	1-1/16-12	1-5/8-12
25506-RSD	25506-LSD	7/8 Keyed	Rear	1-1/16-12	1-5/8-12
25506-RSE	25506-LSE	13 T Spline	Side	3/4 Split Flange	1-1/4 Split Flange
25506-RSF	25506-LSF	7/8 Keyed	Side	3/4 Split Flange	1-1/4 Split Flange
Model 25507 – 51.1 cm³/r [3.12 in³/r] Displacement					
25507-RSA	25507-LSA	13 T Spline	Side	1-1/16-12	1-5/8-12
25507-RSB	25507-LSB	13 T Spline	Rear	1-1/16-12	1-5/8-12
25507-RSC	25507-LSC	7/8 Keyed	Side	1-1/16-12	1-5/8-12
25507-RSD	25507-LSD	7/8 Keyed	Rear	1-1/16-12	1-5/8-12
25507-RSE	25507-LSE	13 T Spline	Side	3/4 Split Flange	1-1/4 Split Flange
25507-RSF	25507-LSF	7/8 Keyed	Side	3/4 Split Flange	1-1/4 Split Flange
Model 25508 – 55.2 cm³/r [3.37 in³/r] Displacement					
25508-RSA	25508-LSA	13 T Spline	Side	1-1/16-12	1-5/8-12
25508-RSB	25508-LSB	13 T Spline	Rear	1-1/16-12	1-5/8-12
25508-RSC	25508-LSC	7/8 Keyed	Side	1-1/16-12	1-5/8-12
25508-RSD	25508-LSD	7/8 Keyed	Rear	1-1/16-12	1-5/8-12
25508-RSE	25508-LSE	13 T Spline	Side	3/4 Split Flange	1-1/4 Split Flange
25508-RSF	25508-LSF	7/8 Keyed	Side	3/4 Split Flange	1-1/4 Split Flange

Series L2 pump
Optional configurations

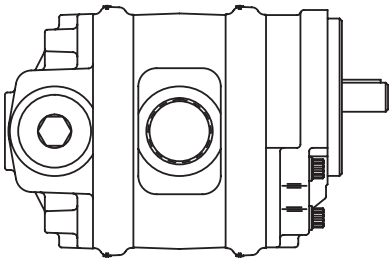
The L2 Series gear pump components can be assembled into many optional configurations. The versatile design allows you to assemble a pump to meet your specific needs.

Model codes for single and multiple pumps along with the component part dimension drawings are given on the following pages.

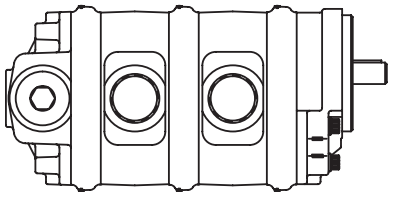
Single gear pump with spilt- flange ports



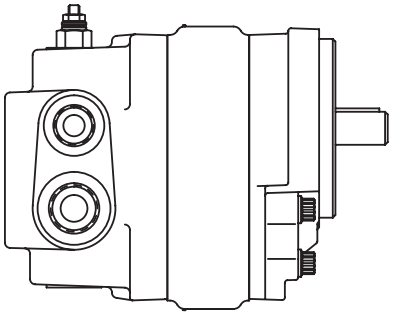
Double gear pump with common suction port



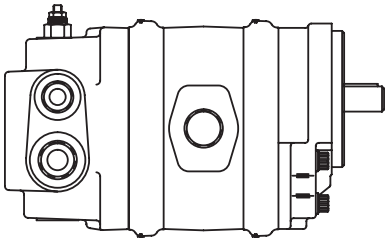
Triple gear pump with two suction ports



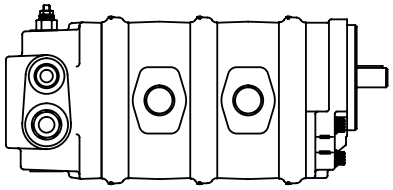
Single gear pump with flow divider



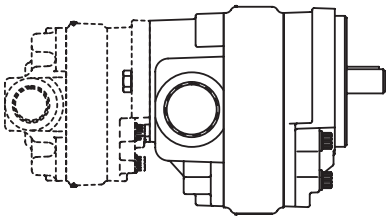
Double gear pump with flow divider



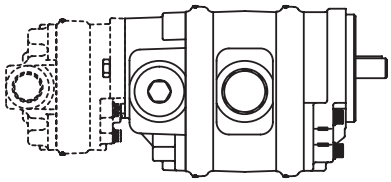
Triple gear pump with flow divider



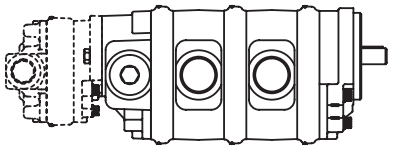
Single gear pump with SAE A flange auxiliary mount



Double gear pump with common suction port and SAE A flange auxiliary mount



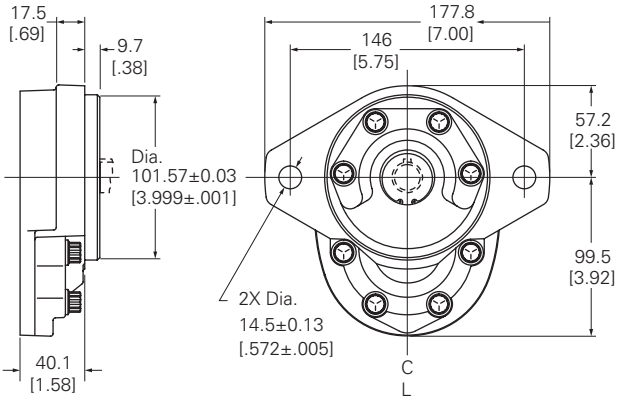
Triple gear pump with two suction ports and SAE A Flange auxiliary mount



Series L2 pump
Component parts - dimensions

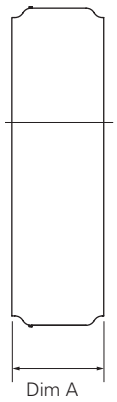
Front plate

SAE 2 Bolt B Mount.Used on all Standard Catalog Assemblies.



Body

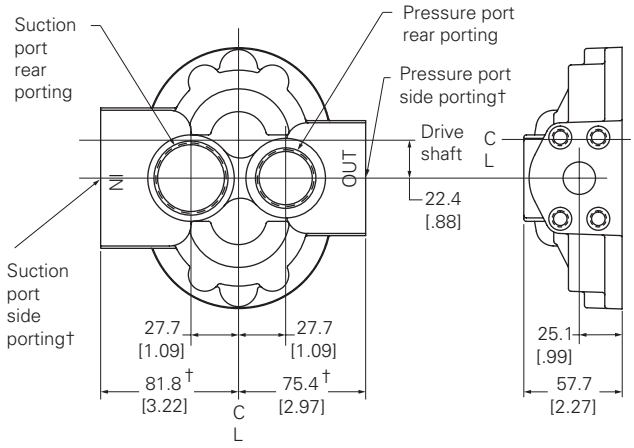
Used on Single and Multiple Pumps



Displacement cm³/r [in³/r]	Dimension A mm [in.]
21.3 [1.30	19.8 [.78]
25.4 [1.55]	23.1 [.91]
29.2 [1.78]	26.7 [1.05]
33.6 [2.05]	30.0 [1.18]
38.2 [2.33]	1.32 [33.5]
42.8 [2.61]	37.1 [1.46]
46.7 [2.85]	1.59 [40.4]
51.1 [3.12]	43.9 [1.73]
55.2 [3.37]	47.5 [1.87]

Backplate

Used on Single and Multiple Pumps

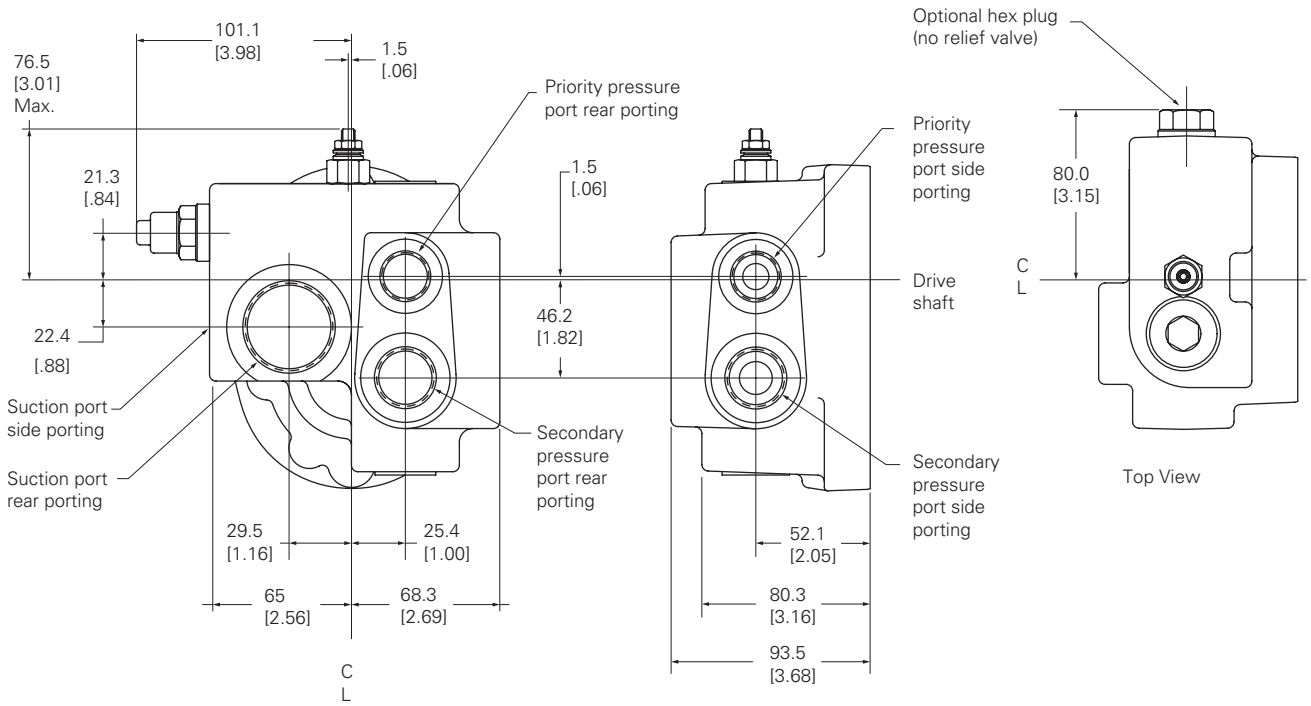


Left hand rotation shown

† For split flange porting subtract .8 [.03], available in side porting only

Flow divider backplate

Used on single and multiple pumps

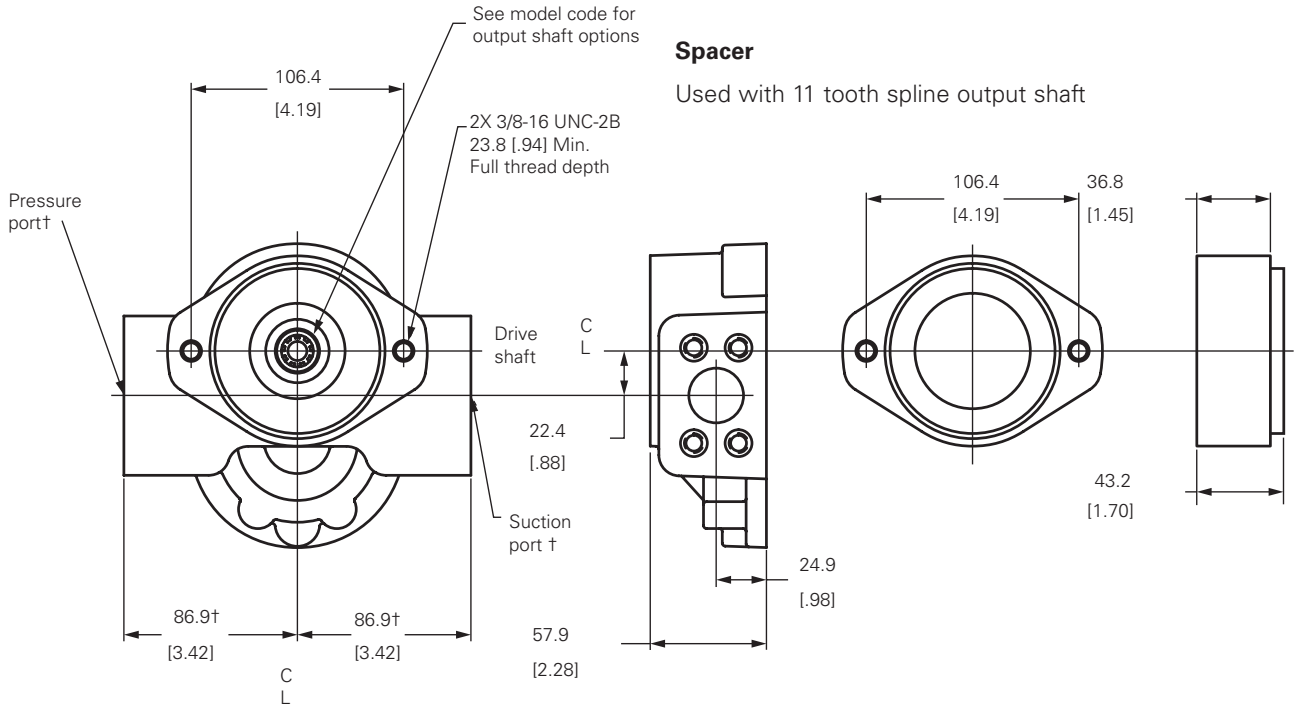


Left hand rotation shown

Series L2 pump
Component parts - dimensions

Tandem backplate with SAE 2 bolt a flange

Used on single and multiple pumps



Spacer

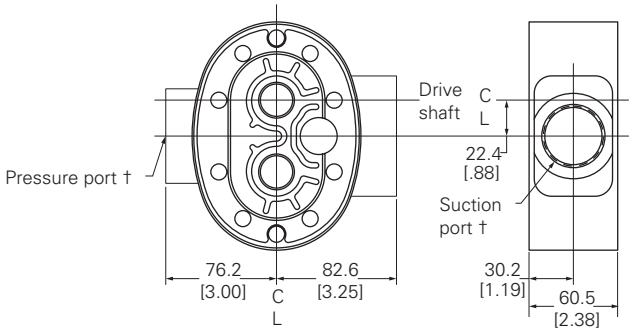
Used with 11 tooth spline output shaft

Right hand rotation shown

† For split flange porting subtract .8 [.03]

Adaptor plate

Used on multiple pumps



Right hand rotation shown

† For split flange porting subtract .8 [.03]

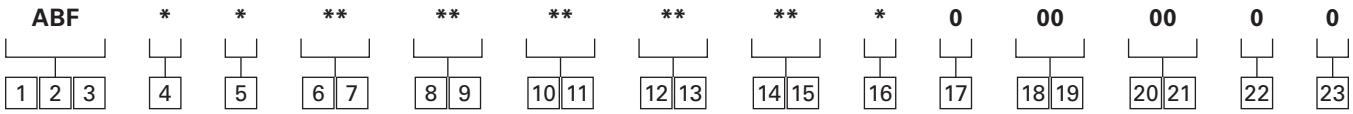
Series L2 Pump
Model code - single

L2 gear pumps can be ordered by using the following Model Code.

A twenty-three digit coding system has been designed to identify all of the features available on L2 single gear pumps. The characters and their relative positions within the code identify specific features.

Use the Model Code Matrix as an aid when assembling the model code for the pump with the features you desire. It may be helpful to photocopy the matrix and write the numbers and letters into the boxes as you select features.

All twenty-three digits of the code must be submitted when ordering. The seven zeros at the end of the model code are for factory use, be sure to include them when ordering.



1 2 3 L2 Series

ABF	Gear Pump - Single Unit

4 Unit type

A	Plain
B	Flow Divider with/without Relief Valve (Pos. 14-15)

5 Input rotation (viewed from input shaft end)

L	Left-hand Rotation CCW
R	Right-hand Rotation CW

6 7 Displacement (cm³/r [in³/r])

00	21.3 [1.30]
01	25.4 [1.55]
02	29.2 [1.78]
03	33.6 [2.05]
04	38.2 [2.33]
05	42.8 [2.61]
06	46.7 [2.85]
07	51.1 [3.12]
08	55.2 [3.37]

8 9 Input shaft

AA	7/8 Inch Dia. 13 Tooth Spline 16/32 Pitch Shaft Extension 41.1 [1.62]
AB	7/8 Inch Dia. Straight Keyed, Keyway 6.4 X 25.4 [.25 X 1.00] Shaft Extension 41.1 [1.62]
AD	7/8 Inch Dia. 41 Tooth Spline 48/96 Pitch Shaft Extension 24.9 [.98]

10 11 Ports, sizes and location- backplate

01	1 5/8-12 Suction; 1 1/16- 12 Pressure SAE Straight Thread O-ring Ports - Side
02	1 5/8-12 Suction; 1 1/16- 12 Pressure SAE Straight Thread O-ring Ports - Rear
03	1 1/4 Suction; 3/4 Pressure Split Flange Ports - Side
04	1 5/8-12 Suction; 7/8-14 Priority Pressure; 1 1/16-12 Secondary Pressure SAE Straight Thread O-ring Ports - Side
05	1 5/8-12 Suction; 7/8-14 Priority Pressure; 1 1/16-12 Secondary Pressure SAE Straight Thread O-ring Ports - Rear

12 13 Priority flow divider setting (LPM [GPM])

00	No Flow Setting
AA	3.8 [1.00]
AB	5.7 [1.50]
AC	7.6 [2.00]
AD	9.5 [2.50]
AE	11.4 [3.00]
AF	13.3 [3.50]
AG	15.1 [4.00]
AH	17.0 [4.50]
AJ	18.9 [5.00]
AK	20.8 [5.50]
AL	22.7 [6.00]
AN	26.5 [7.00]
AP	30.3 [8.00]
AR	34.1 [9.00]
AS	37.8 [10.00]

All dimensions are in inches.

Series L2 Pump
Model code - single

ABF	*	*	**	**	**	**	**	*	0	00	00	0	0
1 2 3	4	5	6 7	8 9	10 11	12 13	14 15	16	17	18 19	20 21	22	23

14 15 Relief valve full flow setting (bar [PSI])

00	No Relief Valve Setting
AA	34.5 [500]
AB	51.7 [750]
AC	68.9 [1000]
AD	86.2 [1250]
AE	103.4 [1500]
AF	120.6 [1750]
AG	137.9 [2000]
AH	155.1 [2250]
AJ	172.4 [2500]
AK	189.6 [2750]
AL	206.8 [3000]

16 Auxiliary rear mount

0	None
B	2 Bolt A SAE Flange Series 82-2 Output Shaft Accepts 9 Tooth Spline 16/32 Pitch, Shaft Extension 31.8 [1.25]
C	2 Bolt A SAE Flange Series 82-2, With 11 Tooth 16/32 Pitch External Spline Output Shaft, 17.5 [.69] Minimum Full Spline, Requires Spacer and Coupler to Accept 31.8 [1.25] Mating Shaft Extension

17 Test data

0	Generic
A	Unit Specific (required for flow divider and relief valve options.)

18 19 Special features

00	No Special Features
AB	Viton Shaft Seal

20 21 Paint

00	None
0A	Red Primer
0B	Black

22 Identification

0	Standard

23 Design code

A	A

All dimensions are in inches.

Series L2 pump
Model code - multiple

Multiple L2 gear pumps can be ordered by using the following Model Code.

A twenty-eight digit coding system has been designed to identify all of the features available on L2 double and triple gear pumps. The characters and their relative positions within the code identify specific features.

Use the Model Code Matrix as an aid when assembling the model code for the pump with the features you desire. It may be helpful to photocopy the matrix and write the numbers and letters into the boxes as you select features.

All twenty-eight digits of the code must be submitted when ordering. The six zeros at the end of the model code are for factory use, be sure to include them when ordering.

ABG	*	*	**	**	**	**	*	*	**	**	**	*	00	00	0	A
1 2 3	4	5	6 7	8 9	10 11	12 13	14	15	16 17	18 19	20 21	22	23 24	25 26	27	28

1 2 3 L2 Series

ABG	Gear Pump - Multiple Unit

4 Unit type

A	Plain
B	Flow Divider with/without Relief Valve (Pos. 20-21)

5 Input rotation (viewed from input shaft end)

L	Left-hand Rotation CCW
R	Right-hand Rotation CW

6 7 Displacement (cm³/r [in³/r])

00	21.3 [1.30]
01	25.4 [1.55]
02	29.2 [1.78]
03	33.6 [2.05]
04	38.2 [2.33]
05	42.8 [2.61]
06	46.7 [2.85]
07	51.1 [3.12]
08	55.2 [3.37]

8 9 Displacement of center section (cm³/r [in³/r])

00	21.3 [1.30]
01	25.4 [1.55]
02	29.2 [1.78]
03	33.6 [2.05]
04	38.2 [2.33]
05	42.8 [2.61]
06	46.7 [2.85]
07	51.1 [3.12]
08	55.2 [3.37]
99	No Center Displacement

10 11 Displacement of rear section (cm³/r [in³/r])

00	21.3 [1.30]
01	25.4 [1.55]
02	29.2 [1.78]
03	33.6 [2.05]
04	38.2 [2.33]
05	42.8 [2.61]
06	46.7 [2.85]
07	51.1 [3.12]
08	55.2 [3.37]

12 13 Input shaft

AA	7/8 Inch Dia. 13 Tooth Spline 16/32 Pitch Shaft Extension 41.1 [1.62]
AB	7/8 Inch Dia. Straight Keyed, Keyway 6.4 X 25.4 [.25 X 1.00] Shaft Extension 41.1 [1.62]
AE	7/8 Inch Dia. 41 Tooth Spline 48/96 Pitch Shaft Extension 24.9 [.98]

14 Front adaptor ports

1	1 5/8-12 Suction; 1 1/16- 12 Pressure – SAE Straight Thread O-ring Ports
3	1 1/4 Suction; 3/4 Pressure Split Flange Ports, Common Suction

All dimensions are in inches.

Series L2 pump
Model code - multiple

ABG	*	*	**	**	**	**	*	*	**	**	**	*	00	00	0	A
1 2 3	4	5	6 7	8 9	10 11	12 13	14	15	16 17	18 19	20 21	22	23 24	25 26	27	28

15 Rear adaptor ports (triple pumps)

0	No Rear Adaptor
1	1 5/8-12 Suction; 1 1/16- 12 Pressure – SAE Straight Thread O-ring Ports
3	1 1/4 Suction; 3/4 Pressure Split Flange Ports, Common Suction

16 17 Ports, sizes and location- backplate

03	1 5/8-12 Suction; 1 1/16- 12 Pressure SAE Straight Thread O-ring Ports - Rear
05	1 5/8-12 Suction; 7/8-14 Priority Pressure; 1 1/16-12 Secondary Pressure SAE Straight Thread O-ring Ports - Side
06	1 5/8-12 Suction; 7/8-14 Priority Pressure; 1 1/16-12 Secondary Pressure SAE Straight Thread O-ring Ports - Rear
07	1 5/8-12 Suction (Plugged); 1 1/16-12 Pressure SAE Straight Thread O-ring Ports - Rear
08	1 1/4 Suction; 3/4 Pressure Split Flange Ports - Side

18 19 Priority flow divider setting (LPM [GPM])

00	No Flow Setting
AA	3.8 [1.00]
AB	5.7 [1.50]
AC	7.6 [2.00]
AD	9.5 [2.50]
AE	11.4 [3.00]
AF	13.3 [3.50]
AG	15.1 [4.00]
AH	17.0 [4.50]
AJ	18.9 [5.00]
AK	20.8 [5.50]
AL	22.7 [6.00]
AN	26.5 [7.00]
AP	30.3 [8.00]
AR	34.1 [9.00]
AS	37.8 [10.00]

20 21 Relief valve full flow setting (bar [PSI])

00	No Relief Valve Setting
AA	34.5 [500]
AB	51.7 [750]
AC	68.9 [1000]
AD	86.2 [1250]
AE	103.4 [1500]
AF	120.6 [1750]
AG	137.9 [2000]
AH	155.1 [2250]
AJ	172.4 [2500]
AK	189.6 [2750]
AL	206.8 [3000]

22 Test data

0	Generic
A	Unit Specific (required for flow divider and relief valve options.)

23 24 Special features

00	No Special Features
AA	Viton Shaft Seal
AE	2 Bolt A SAE Flange Series 82-2 Output Shaft Accepts 9 Tooth Spline 16/32 Pitch, Shaft Extension 31.8 [1.25]
AF	2 Bolt A SAE Flange Series 82-2, With 11 Tooth 16/32 Pitch External Spline Output Shaft, 17.5 [.69] Minimum Full Spline, Requires Spacer and Coupler to Accept 31.8 [1.25] Mating Shaft Extension

25 26 Paint

00	None
0A	Red Primer
0B	Black

27 Identification

0	Standard

28 Design code

A	A

All dimensions are in inches.

Notes

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