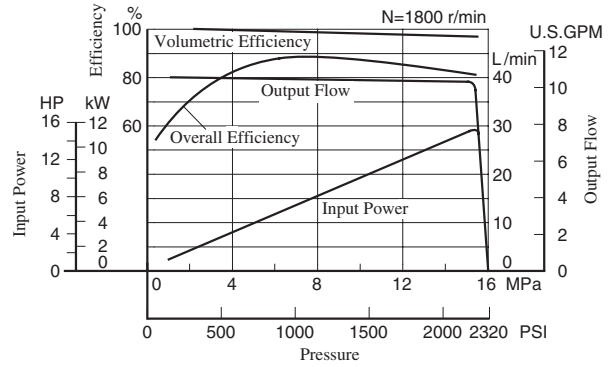
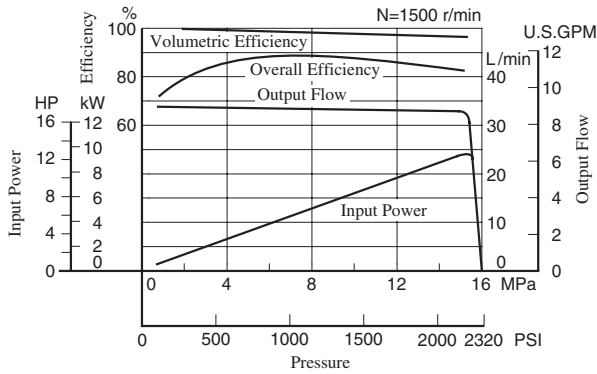


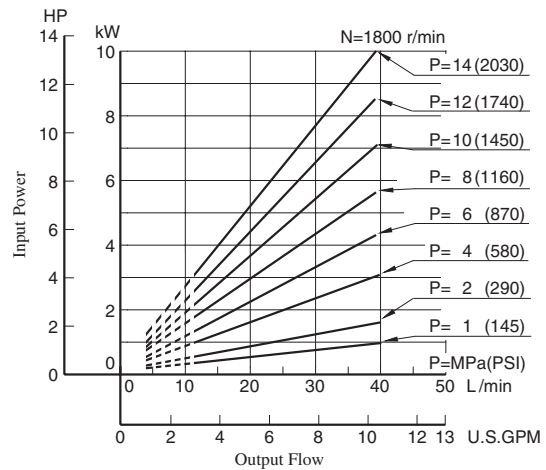
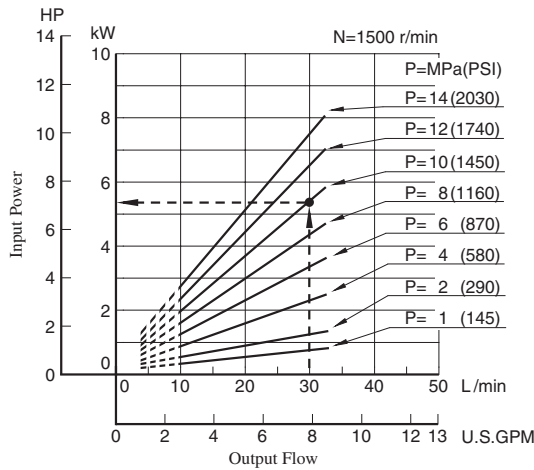
Typical Performance Characteristics of Type "A22" at Viscosity 20 mm²/s (100 SSU) [ISO VG32 Oils, 50°C (122°F)]

■ Performance Characteristic Curve

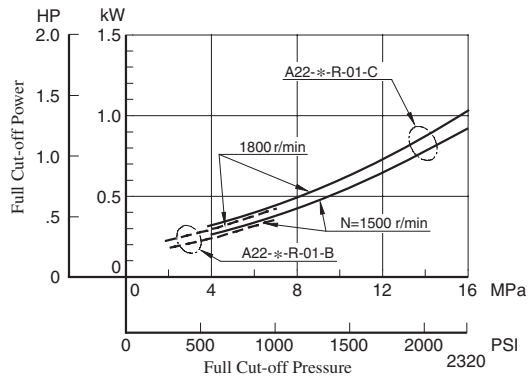


■ Input Power

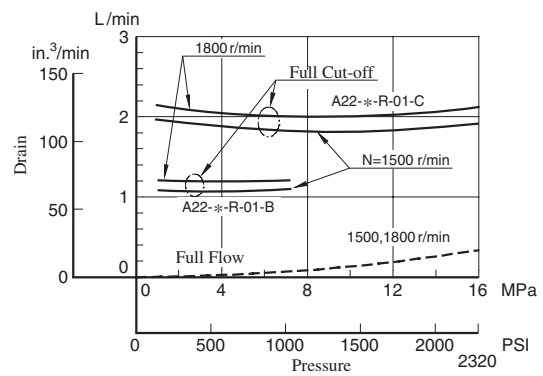
Example: At a pressure of under 10 MPa (1450 PSI), a flow 30 L/min (7.9 U.S.GPM), and rotation 1500 r/min, the axial input becomes about 5.4 kW (7.2 HP) as shown the dotted line in the graph.



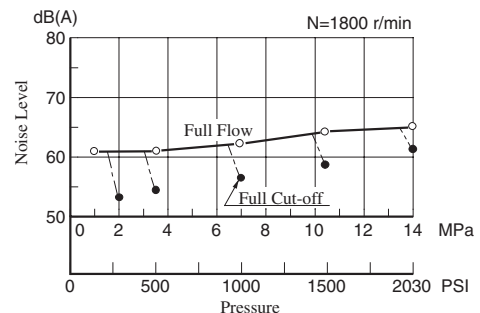
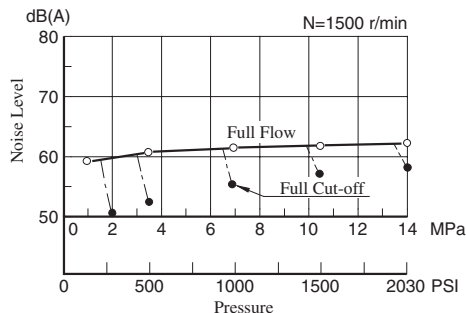
■ Full Cut-off Power



■ Drain



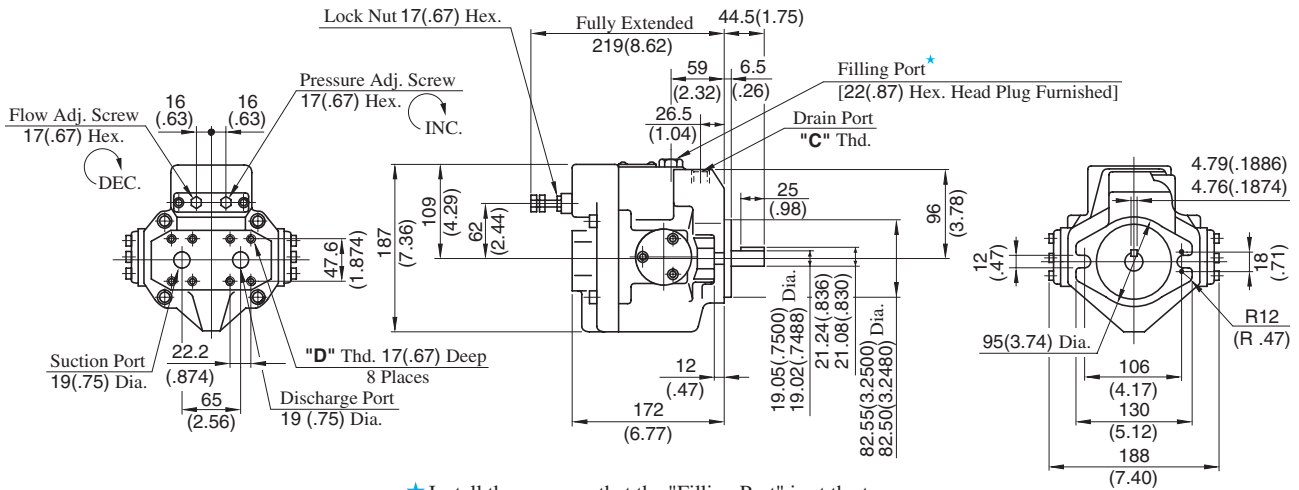
■ Noise Level [One metre (3.3 ft.) horizontally away from pump head cover]



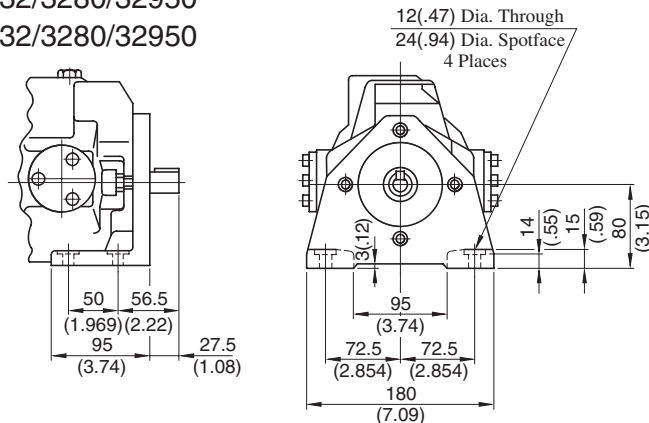
Axial Port Type

Flange Mtg.: A16-F-R-01-*-K-32/3280/32950
A22-F-R-01-*-K-32/3280/32950

Model Numbers	"C" Thd.	"D" Thd.
A16/A22-F-R-01-*-K-32	Rc 3/8	M 10
A16/A22-F-R-01-*-K-3280	3/8 BSP.F	
A16/A22-F-R-01-*-K-3290	SAE #8	3/8-16 UNC



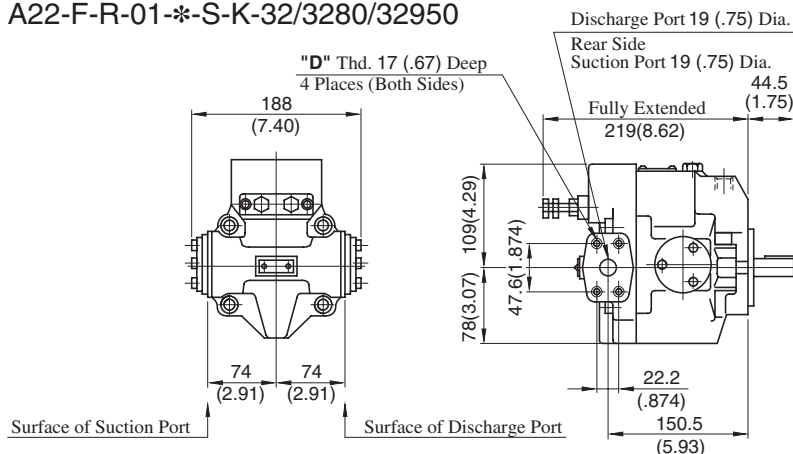
Foot Mtg.: A16-L-R-01-*-K-32/3280/32950
A22-L-R-01-*-K-32/3280/32950



Side Port Type

DIMENSIONS IN MILLIMETRES (INCHES)

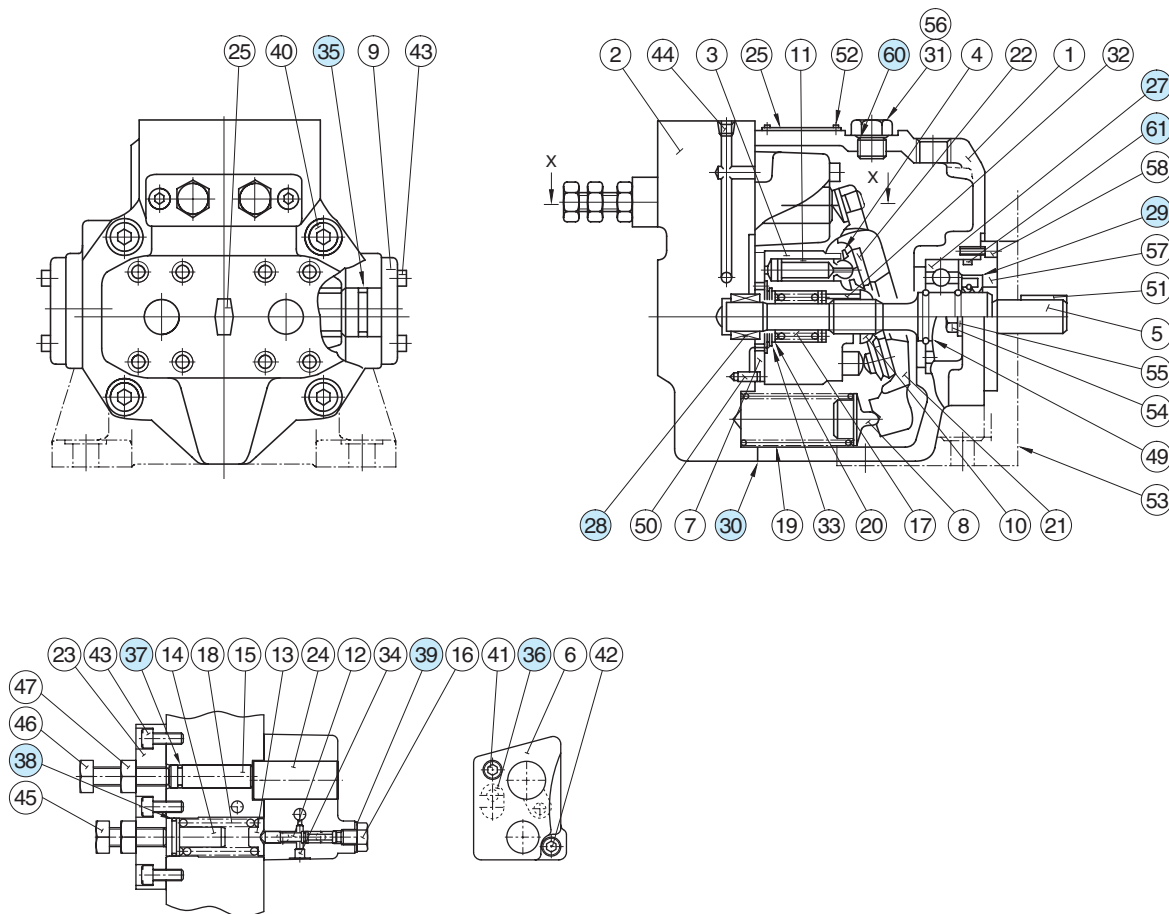
Flange Mtg.: A16-F-R-01-*-S-K-32/3280/32950
A22-F-R-01-*-S-K-32/3280/32950



- For other dimensions, refer to "Axial Port Type".
- Foot Mtg. Type; Mounting bracket is common to that of "Axial Port Type".

Spare Parts List

A16/A22/A37/A56-*-R-01-*-K-32/3280/32950



Section X-X

List of Seals and Bearings

Item	Name of Parts	Part Numbers				Qty.
		A16-*-R-01	A22-*-R-01	A37-*-R-01	A56-*-R-01	
27	Bearing	6305		6307	NUP 207E	1
28	Bearing	HMK 1715	Z30-1303-PK410300-8	HMK 2025V2	HMK 2530V2	1
29 [*]	Oil Seal	TCN 254511		TCN 355511	TCN 355511	1
30 [*]	Gasket	1303-PK211969-1		1316-PK211970-9	1307-PK211971-7	1
35 [*]	O-Ring	SO-NA-G25		SO-NA-G30	SO-NA-P36	2
36 [*]	O-Ring	SO-NB-P12		SO-NB-P10A		1
37 [*]	O-Ring	SO-NB-P9				1
38 [*]	O-Ring	SO-NA-A017				1
39 [*]	Seal Washer	W8				1
60 [*]	O-Ring	SO-NB-P14				1
61 [*]	O-Ring	SO-NA-G55		SO-NA-G75		1

★When ordering seals, please specify the seal kit number from the table below.

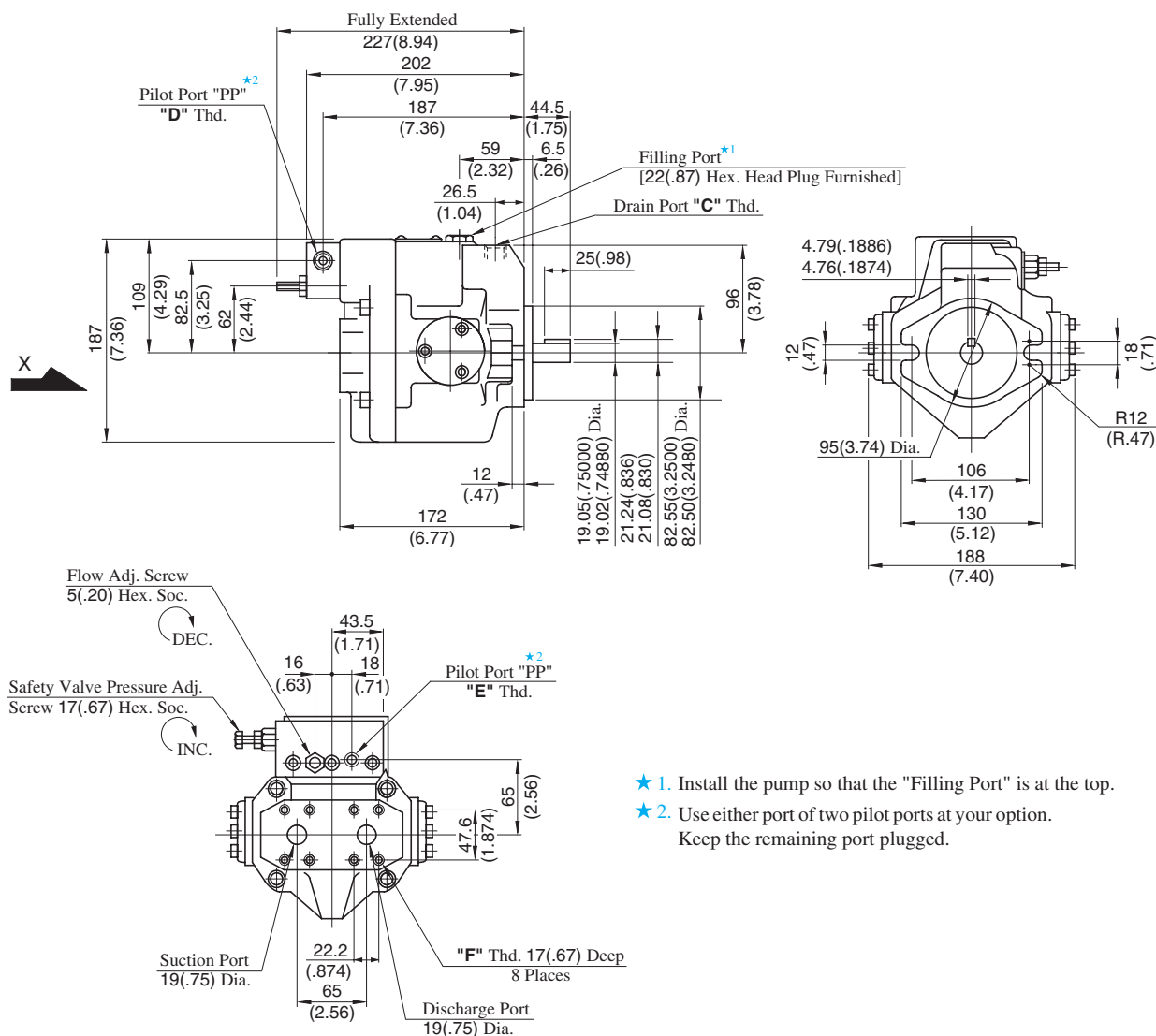
List of Seal Kits

Pump Model Numbers	Seal Kit Numbers
A16-*-R-01-*-K-32*	KS-A16-01-32
A22-*-R-01-*-K-32*	
A37-*-R-01-*-K-32*	KS-A37-01-32
A56-*-R-01-*-K-32*	KS-A56-01-32



Axial Port Type

Flange Mtg. : A16-F-R-07-K-32/3280/32950
A22-F-R-07-K-32/3280/32950



- ★ 1. Install the pump so that the "Filling Port" is at the top.
- ★ 2. Use either port of two pilot ports at your option.
Keep the remaining port plugged.

Model Numbers	"C" Thd.	"D" Thd.	"E" Thd.	"F" Thd.
A16/A22-F-R-07-K-32	Rc 3/8	Rc 3/8	Rc 1/4	M10
A16/A22-F-R-07-K-3280	3/8 BSP. F	3/8 BSP. F	1/4 BSP. Tr	
A16/A22-F-R-07-K-32950	SAE #8	SAE #6	SAE #4	3/8-16 UNC

DIMENSIONS IN
MILLIMETRES (INCHES)

● Axial Port Type

Port mounting dimensions are the same as those of pressure compensator model. Refer to [page 45](#) for port mounting dimensions.

● Foot Mounting Type

Mounting bracket is common to that of pressure compensator model. Refer to [page 45](#) for the dimensions of mounting bracket.