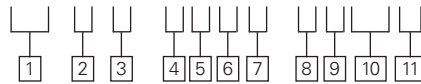


Single Pumps

Model Code

F3 - V 10 - 1 P 5 S - 1 C 20 L



1 Special Seals

Omit if not required.
See page 25 for information on seals

2 Vane pump

3 Series

10 or 20

4 Mounting

1 – 2-bolt flange, 3.25" pilot (standard)
6 – 2-bolt flange, 4.00" pilot (optional)

See page 23 for optional foot bracket kits.

5 Inlet port connections

P – 1" NPT thread (V10 only)
1 1/4" NPT thread (V20 only)
S – 1.3125-12 straight thread (V10 only)
1.625-12 straight thread (V20 only)

6 Ring size

(Delivery at 1200 r/min and 100 psi)

1 – 1 USgpm
2 – 2 USgpm
3 – 3 USgpm
4 – 4 USgpm
5 – 5 USgpm
6 – 6 USgpm
7 – 7 USgpm

V10 series

6 – 6 USgpm
7 – 7 USgpm
8 – 8 USgpm
9 – 9 USgpm
11 – 11 USgpm
12 – 12 USgpm
13 – 13 USgpm

V20 series

7 Outlet port connections

P – 1/2" NPT thd. (V10 only)
R – 1.1875-12 St. thd. (V20 only)
S – .750-16 St. thd. (V10 only)
1.0625-12 St. thd. (V20 only)

8 Shafts

1 – Straight keyed
11 – Splined
38 – 11 Tooth – 3/4" OD.
62 – Splined (V20 only)

9 Position of outlet port

(Viewed from cover end of pump)

A – Opposite inlet port
B – 90 CCW from inlet
C – In line with inlet
D – 90 CW from inlet

10 Design

11 – V20 series
20 – V10 series
Subject to change.

11 Shaft rotation

(Viewed from shaft end of pump)

L – Left hand (counterclockwise).
Omit for right hand.

Specifications

Based on using petroleum oil at 49° C (120° F), viscosity 32 cSt at 38° C (150 SUS at 100° F), and 0 psi inlet pressure

Model series	Ring size	Displ.	Max. Speed	Maximum pressure	Typical delivery	Typical input power	Weight
	(Delivery USgpm @ 1200 r/min & 100 psi)	cm ³ /r (in ³ /r)	r/min	bar (psi)	L/min (USgpm) @ max. speed & pressure	kW (hp) @ max. speed & pressure	kg (lb)
V10	1	3,3 (.20)	4800	172 (2500)	13,6 (3.6)	5,2 (7)	
	2	6,6 (.40)	4500	172 (2500)	27,6 (7.3)	10,1 (13.6)	
	3	9,8 (.60)	4000	172 (2500)	35,6 (9.4)	13,3 (17.8)	4,5 - 6,8
	4	13,1 (.80)	3400	172 (2500)	41,3 (10.9)	15,2 (20.4)	(10 - 15)
	5	16,4 (1.00)	3200	172 (2500)	48,5 (12.8)	17 (22.8)	
	6	19,5 (1.19)	3000	152 (2200)	55,3 (14.6)	18,3 (24.5)	
	7	22,8 (1.39)	2800	138 (2000)	60,6 (16)	17,9 (24)	
V20	6	19,5 (1.19)	3400	172 (2500)	60,9 (16.1)	21,6 (29)	
	7	22,8 (1.39)	3000	172 (2500)	63,2 (16.7)	22 (29.5)	
	8	26,5 (1.62)	2800	172 (2500)	67 (17.7)	24,2 (32.5)	7,3 - 8,2
	9	29,7 (1.81)	2800	172 (2500)	75 (19.8)	26,5 (35.5)	(16 - 18)
	11	36,4 (2.22)	2500	172 (2500)	86,7 (22.9)	28 (37.5)	
	12	39 (2.38)	2400	152 (2200)	87,1 (23)	26,8 (36)	
	13	42,4 (2.59)	2400	152 (2200)	98 (25.9)	29,1 (39)	

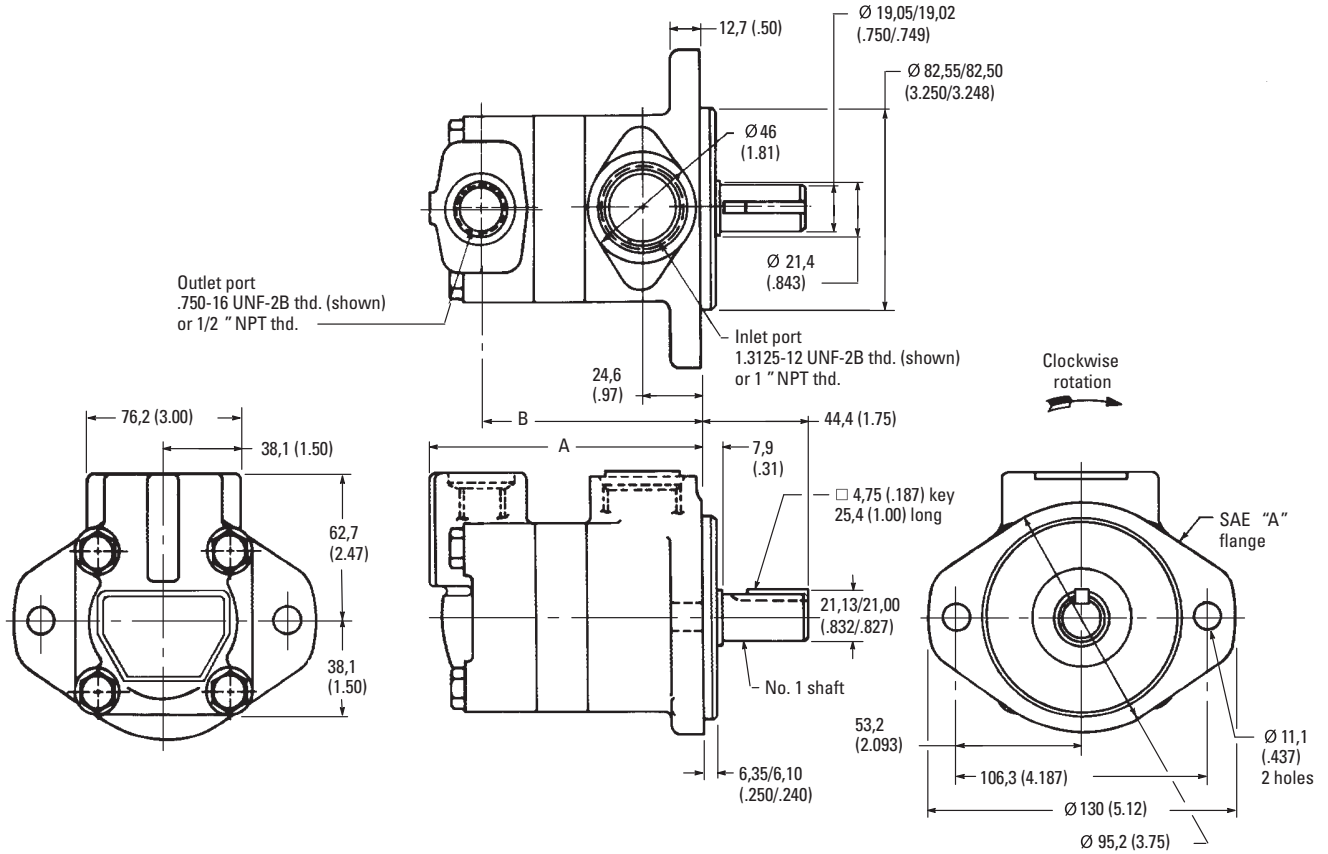
See page 6 for speed correction curve.

Single Pumps

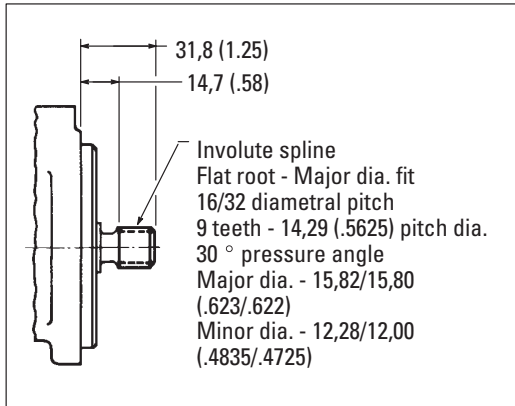
V10 Dimensions

Millimeters (inches)

See page 23 for foot mounting dimensions.



Number 11 shaft



Ring size Dimension

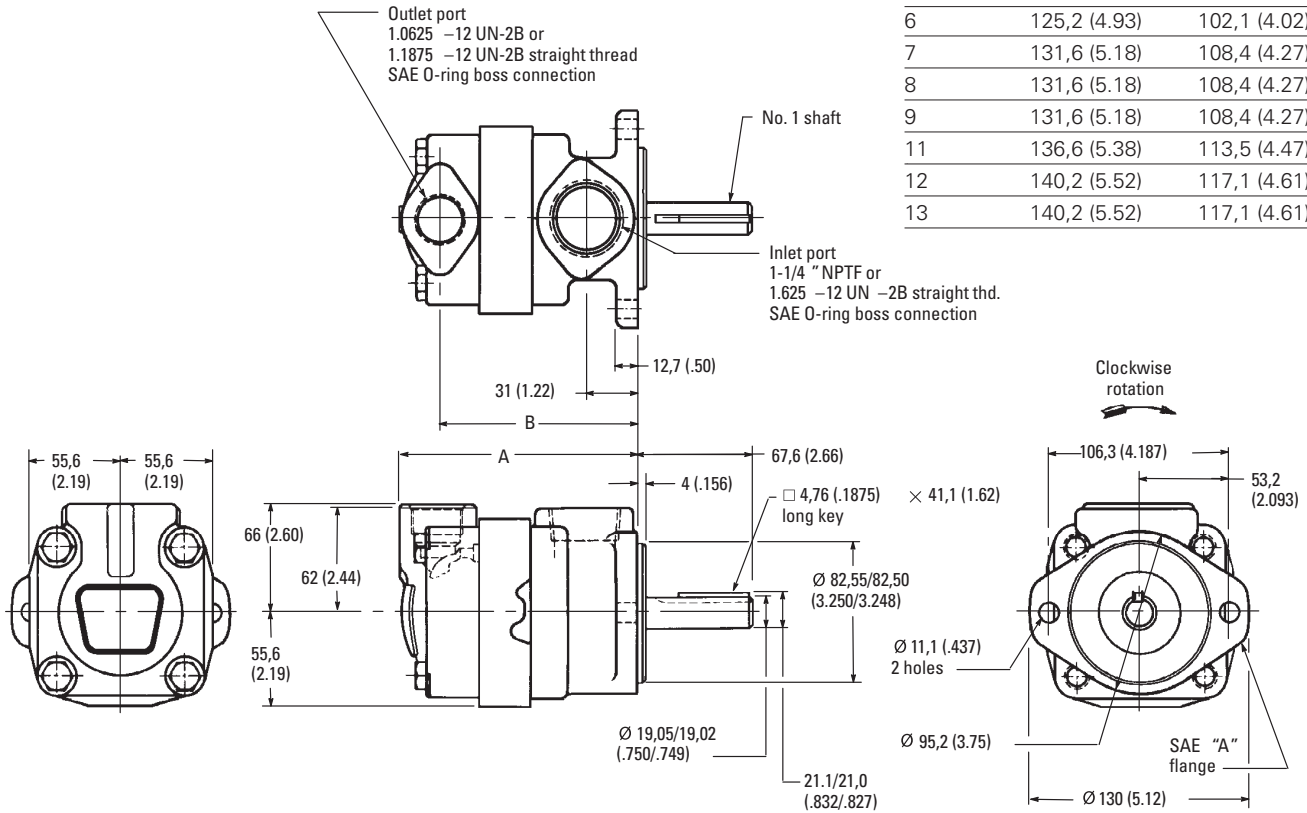
Ring size	Dimension	
	A	B
1	115,6 (4.55)	91,9 (3.62)
2	115,6 (4.55)	91,9 (3.62)
3	115,6 (4.55)	91,9 (3.62)
4	121,9 (4.80)	98,3 (3.87)
5	121,9 (4.80)	98,3 (3.87)
6	127,0 (5.00)	103,4 (4.07)
7	127,0 (5.00)	103,4 (4.07)

Single Pumps

V20 Dimensions

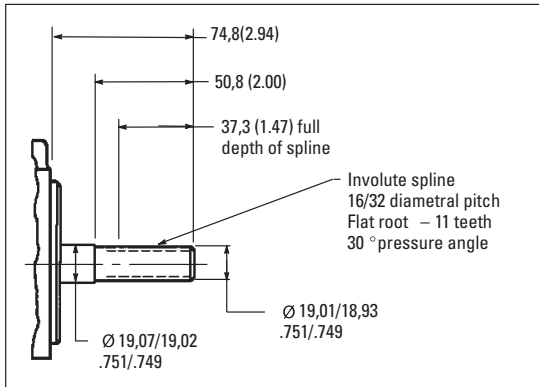
Millimeters (inches)

See page 23 for foot mounting dimensions.



Ring size	Dimension	
	A	B
6	125,2 (4.93)	102,1 (4.02)
7	131,6 (5.18)	108,4 (4.27)
8	131,6 (5.18)	108,4 (4.27)
9	131,6 (5.18)	108,4 (4.27)
11	136,6 (5.38)	113,5 (4.47)
12	140,2 (5.52)	117,1 (4.61)
13	140,2 (5.52)	117,1 (4.61)

Number 11 shaft



Number 62 shaft

