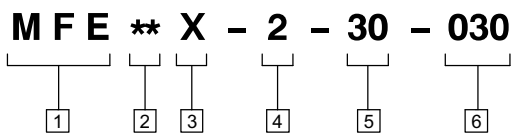
MFE15 and MFE19 Model Series

Ratings

Theoretical Maximum Displacement	Maximum Rated Input Speed	Maximum Rated Output Speed	Maximum Intermittent Pressure	Maximum Continuous Pressure	Rated Power
MFE15 33 cm^3/rev (2 in^3/rev) **MFE19** 41 cm^3/rev (2.5 in^3/rev)	3600 r/min	3600 r/min	350 bar (5000 psi)	210 bar (3000 psi)	16,8 kW per 1000 r/min (22.5 hp per 1000 r/min)

Model Code



1 **Model Series**

MFE – Fixed displacement piston motor

2 **Rated Flow**

15 – 57 L/min (15 USgpm)
19 – 72 L/min (19 USgpm)

3 **Thru Shaft**

X – Available only on side ported models. Omit if not required

4 **Output Shaft ***

2 – SAE B–B splined

* Other shafts available. Contact your Vickers sales engineer.

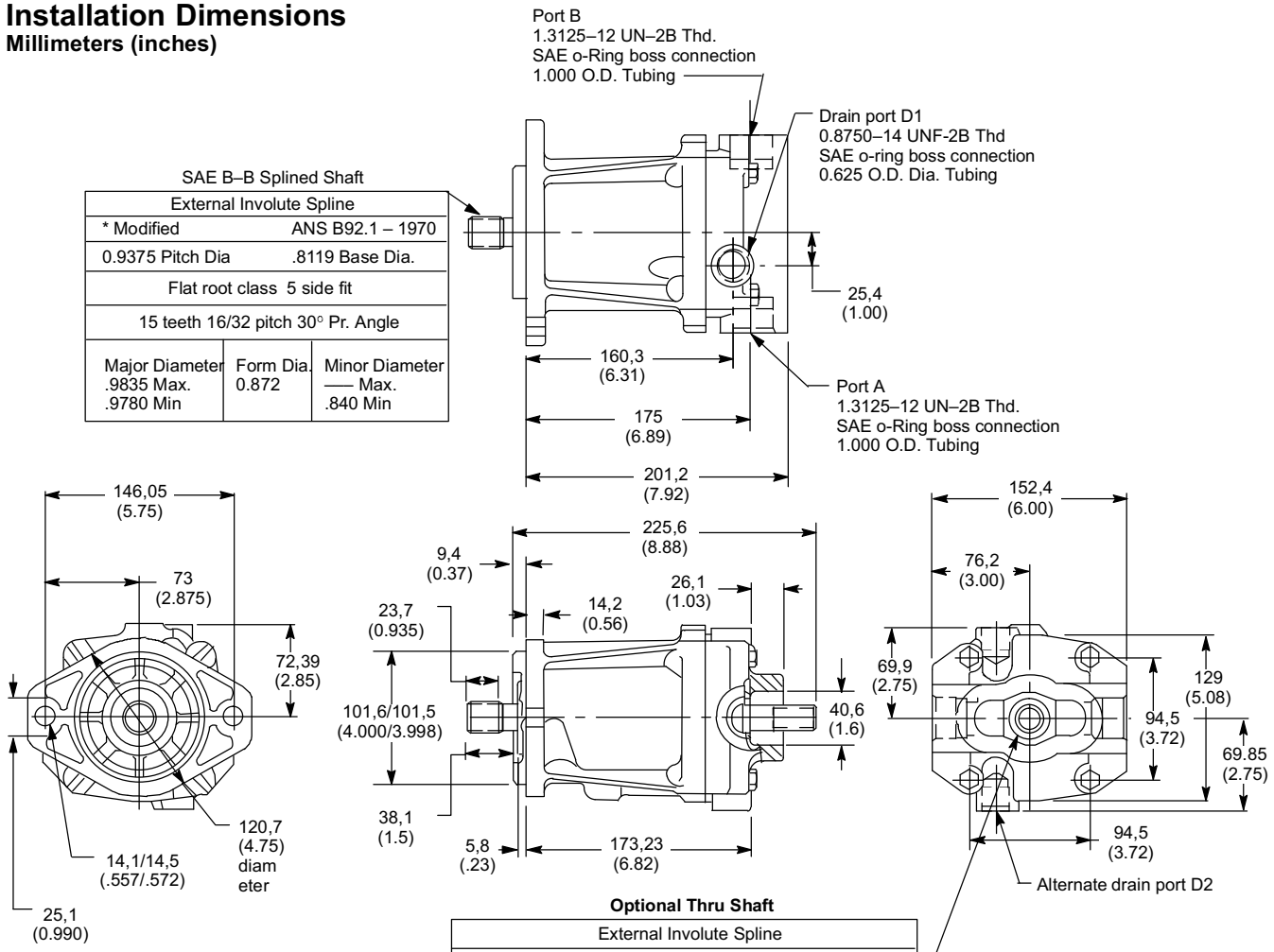
5 **Design Number**

30 – Subject to change. Installation dimensions remain the same for design number 30 through 39

6 **Special Suffix**

Blank – Side Ports
030 – End Ports

Installation Dimensions
Millimeters (inches)



SAE B–B Splined Shaft

External Involute Spline	
* Modified	ANS B92.1 – 1970
0.9375 Pitch Dia	.8119 Base Dia.
Flat root class 5 side fit	
15 teeth 16/32 pitch 30° Pr. Angle	

Major Diameter	Form Dia.	Minor Diameter
.9835 Max. .9780 Min	0.872	—— Max. .840 Min

Optional Thru Shaft

External Involute Spline		
ASA B5.15 – 1960		
.7813 Pitch Dia.	.6766 Pitch Dia.	
25 teeth 32/64 pitch 30° Pr. Angle		
Major Dia.	Form Dia.	Minor Dia.
203,4 (.8022)Max 20,3 (.7992) Min	18,9 (.7460)	18,8 (.7398) Max. 18,6 (.7318) Min

Thru shaft extension is limited to a maximum torque of 327 Nm (2900 in. lbs.) with no overhung load. Applications subjecting shaft extension to both bending and torsional loads are subject to Vickers engineering approval.

END-PORTED MODEL

See side-ported model above for additional dimensions.