F1 Motor



Contents ..... **Page**

Pump and Line selection 13
Specifications 39
Ordering code 39
Installation 39
Port size 39
Standard versions 39
Suction fittings 63
Installation and start up 80

Parker Hannifin
Pump & Motor Division Europe
Trollhättan, Sweden

Specifications

Motor frame size F1-	25-M	41-M	51-M	61-M	81-M	101-M	121-M
Displacement [cm³/rev]	25.6	40.9	51.1	59.5	81.6	102.9	118.5
Max operating pressure [bar]							
continuous	250	250	250	250	250	250	250
intermittent [1)]	350	350	350	350	350	350	350
Max Shaft speed [rpm]							
- continuous	2 300	2 000	1 800	1 700	1 500	1 400	1300
- intermittent	3 000	2 700	2 400	2 200	2 000	1 800	1700
Torque (theor.) [Nm]							
at 200 bar	81	130	162	189	259	327	376
at 350 bar	142	227	284	331	453	572	658
Max output power [kW]	45	64	72	76	95	108	117
Weight [kg]	8.5	8.5	8.5	8.5	12.5	12.5	12.5

[1)] Max 6 seconds in any one minute.

Ordering code

Example: **F1 - 81 - M**

F1 Motor frame size

25, 41, 51, 61, 81, 101 or 121

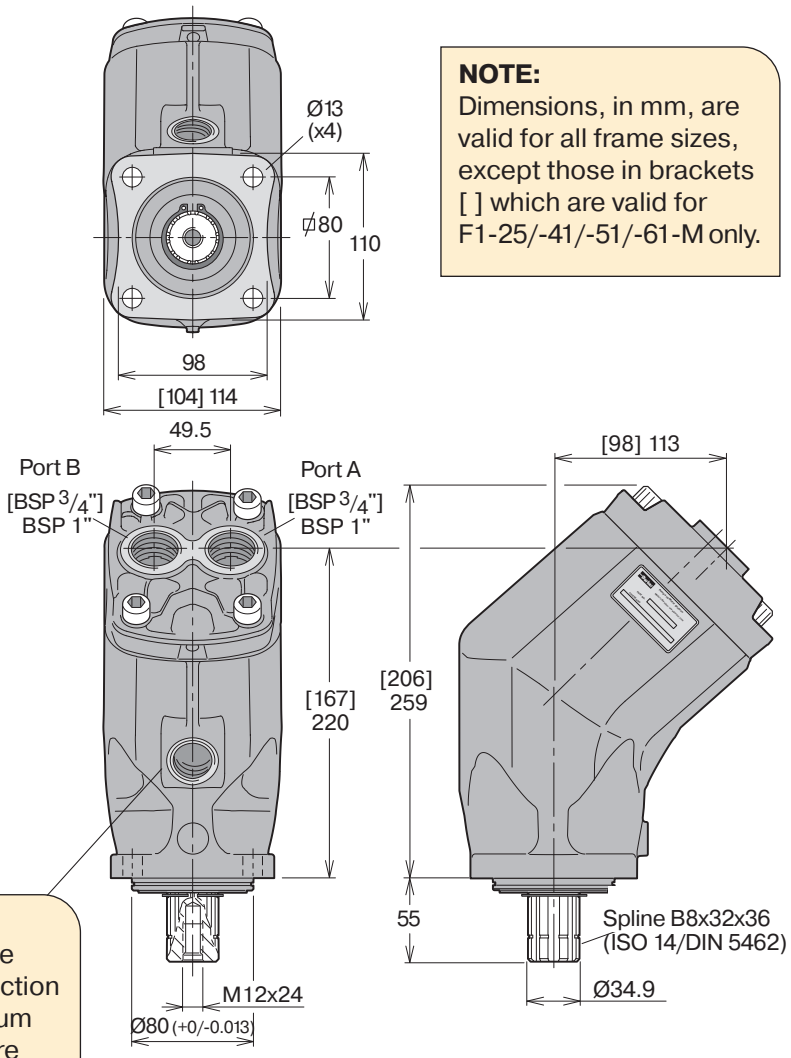
Port size

F1 motor frame size	Port size
F1-25/41/51/61	3/4"
-81/101/121	1"

Standard versions

Designation	Ordering no.
F1-25-M	378 1724
F1-41-M	378 1740
F1-51-M	378 1750
F1-61-M	378 1760
F1-81-M	378 1780
F1-101-M	378 1800
F1-121-M	378 4120

Installation dimensions



NOTE:
Dimensions, in mm, are valid for all frame sizes, except those in brackets [ ] which are valid for F1-25/-41/-51/-61-M only.

Note:
Drain line must be mounted. Connection BSP 1/2". Maximum drain line pressure is 5 bar.