

Dimensions are written in millimeters and (inches).

Pump	Displacement (cu.in/rev) (cm ³ /rev)	Max. pressure		Max. speed	
		continuous (PSI) / (bar)	peak (PSI) / (bar)	continuous (rpm)	peak (rpm)
PB32.5 0511860	0.0027 0.045	4350 300	5080 350	5000	6000
PB32.5 0512120	0.0027 0.045	4350 300	5080 350	5000	6000

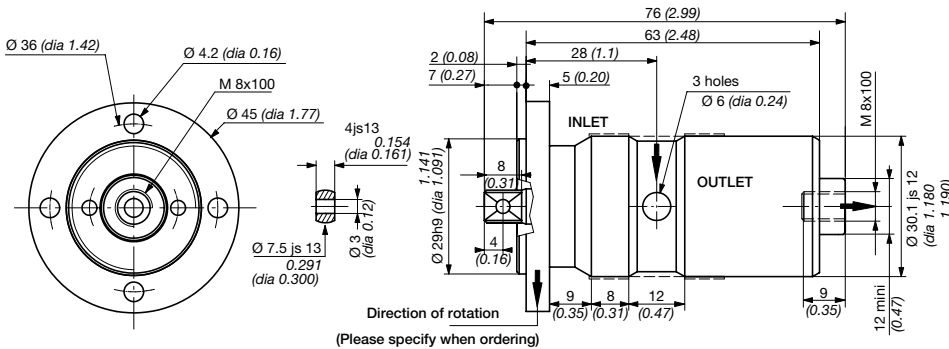
PB 32.5 fixed displacement

**Displacement: 0.0027cu.in/rev
(0.045cm³/rev)
5080PSI (350bar)
5000rpm
3 pistons**

Maximum operating temperature: 392°F (200°C)
Weight: 0.66lbs (0.3kg)
Rotates either CW or CCW
Excellent suction properties

The following may be modified on request:

- input and outlet ports,
- mounting flange or thread,
- drive shaft,
- addition of a filter/screen.



Dimensions are written in millimeters and (inches).

Pump	Displacement (cu.in/rev) (cm ³ /rev)	Max. pressure		Max. speed	
		continuous (PSI) / (bar)	peak (PSI) / (bar)	continuous (rpm)	peak (rpm)
PB33 45 053220	0.0027 0.045	4350 300	5080 350	5000	6000
PB33HP 054560	0.0027 0.045	13060 900	14500 1000	5000	6000

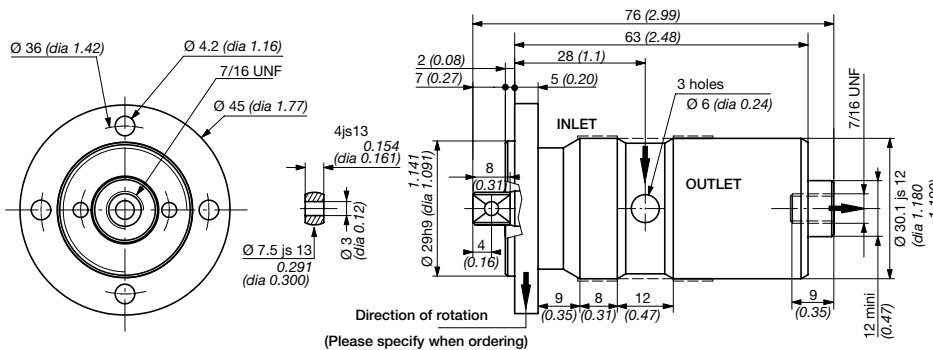
PB 33 fixed displacement

**Displacement: 0.0027cu.in/rev
(0.045cm³/rev)
5080 and 14500PSI (350 and 1000bar)
5000rpm
3 pistons**

Maximum operating temperature: 392°F (200°C)
Weight: 0.66lbs (0.3kg)

The following may be modified on request:

- input and outlet ports,
- mounting flange or thread,
- drive shaft,
- addition of a filter/screen.



Dimensions are written in millimeters and (inches).

Pump	Displacement (cu.in/rev) (cm ³ /rev)	Max. pressure		Max. speed	
		continuous (PSI) / (bar)	peak (PSI) / (bar)	continuous (rpm)	peak (rpm)
PB33.5 057000	0.0043 0.070	4350 300	5080 350	5000	6000

PB 33.5 fixed displacement

**Displacement: 0.0043cu.in/rev
(0.070cm³/rev)
5080PSI (350bar)
5000rpm
3 pistons**

Maximum operating temperature: 392°F (200°C)
Weight: 0.66lbs (0.3kg)

The following may be modified on request:

- input and outlet ports,
- mounting flange or thread,
- drive shaft,
- addition of a filter/screen.

PB 32.5

PB 33

PB 33.5

Fixed displacement pumps

pump	direction of rotation	part number	displacement (cu.in/rev) (mm ³ /rev)	outlet	inlet	shaft	Max. Pressure (PSI) (bar)
PB 32.5	CC + CCW	0511860	0.0027 45	M8 x 100	3x0.23 (3xØ6)	4/flat	5080 350
PB 32.5	CC + CCW	0512120	0.0027 45	M8 x 100	3x0.23 (3xØ6)	cylindrical	5080 350
PB 33	CCW	053220	0.0027 45	M8 x 100	3x0.23 (3xØ6)	4/flat	5080 350
PB 33	CW	054560	0.0027 45	M8 x 100	3x0.23 (3xØ6)	4/flat	14500 1000
PB 33	CCW	054565	0.0027 45	M8 x 100	3x0.23 (3xØ6)	4/flat	14500 1000
PB 33	CCW	058980	0.0027 45	M8 x 100	3x0.23 (3xØ6)	4/flat	5080 350
PB 33 HP	CW	0511250	0.0027 45	drilled hole	3x0.23 (3xØ6)	cylindrical	14500 1000
PB 33	CCW	0512750	0.0012 20	collector	3x0.23 (3xØ6)	cyl. cotterway	5080 350
PB 33	CW	058010	0.0027 45	M8 x 100	3x0.23 (3xØ6)	key shaft	14500 1000
PB 33	CW	0510070	0.0027 45	collector	3x0.23 (3xØ6)	cylindrical	5080 350
PB 33	CCW	0510260	0.0027 45	M8 x 100	G 3/8	4/flat	5080 350
PB 33	CCW	0512380	0.0027 45	M8 x 100	3x0.23 (3xØ6)	4/flat	5080 350
PB 33	CW	0512410	0.0027 45	collector	collector	4/flat	5080 350
PB 33	CCW	0512670	0.0027 45	collector	collector	4/flat	5080 350
PB 33	CCW	0510790	0.0027 45	M8 x 100	collector	cyl. cotterway	5080 350
PB 33	CCW	057030	0.0032 54	M8 x 100	3x0.23 (3xØ6)	4/flat	5080 350
PB 33	CW	0512810	0.0012 20	collector	3x0.23 (3xØ6)	1,5/flat	5080 350
PB 33.5	CCW	0511630	0.0043 70	NPT ^{1/4} NFE03-601	3x0.23 (3xØ6)	4/flat	5080 350
PB 33.5	CW	0511315	0.0043 70	collector	3x0.23 (3xØ6)	splined	5080 350
PB 33.5	CCW	0511310	0.0043 70	collector	3x0.23 (3xØ6)	splined	5080 350
PB 33.5	CCW	0510650	0.0043 70	G 1/8	3x0.23 (3xØ6)	key shaft	5080 350
PB 33.5	CW	057015	0.0043 70	7/16-20 UNF - 2B	3x0.23 (3xØ6)	4/flat	5080 350
PB 33.5	CCW	0512080	0.0043 70	collector	3x0.23 (3xØ6)	cylindrical	5080 350
PB 33.5	CCW	0512470	0.0043 70	collector	3x0.23 (3xØ6)	cylindrical	5080 350
PB 33.5	CW	0512620	0.0043 70	7/16-20 UNF - 2B	3x0.23 (3xØ6)	thread	5080 350
PB 33.5	CCW	057000	0.0043 70	7/16-20 UNF - 2B	3x0.23 (3xØ6)	4/flat	5080 350

Operating conditions

Be careful to respect filtration/fluid cleanliness conditions in particular, see page 21.

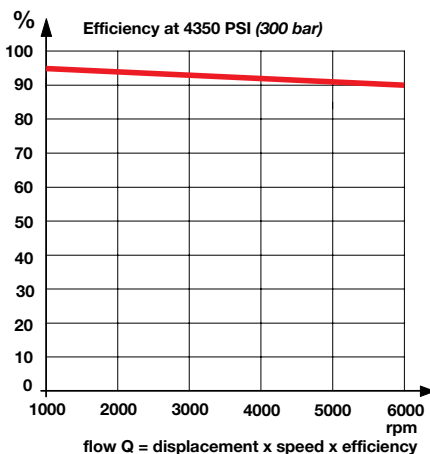
Fluid

Fluid viscosity should, at extreme operating temperatures, be between 1cSt (1°E) and 300cSt (40°E).

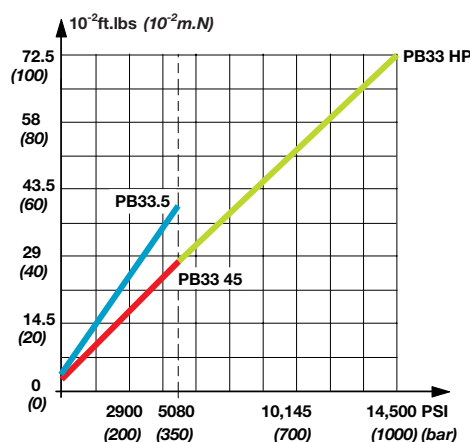
For other requirements, please consult our Technical Department.



Volumetric efficiency*



Torque*



*Graphs are given as an indication only, for calculation formula see page 17.