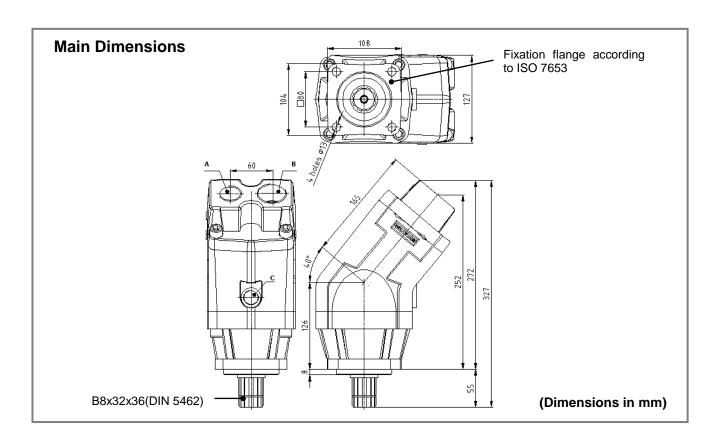


# OIL-HYDRAULIC BENT PUMP AXIAL PISTONS



Main Data							
Pumps BI	80P7	110P7	125P7	135P7			
Displacement (cm³/rot.)	80	108	126	136			
Operating pressure (bar) (up to)	350	350	300	250			
Peak pressure (bar)	400	400	350	300			
Operating rotation <sup>1</sup> (rpm)	1800	1600	1500	1500			
Max. rotation without load <sup>1</sup> (rpm)	2000	1800	1700	1700			
Weight (approx.) (kg)	13.0	13.4	13.6	13.8			
Pistons quantity	7						
A-Oil outlet (DIN ISO 228)	1"BSP	1"BSP	1"BSP	1"BSP			
B-Oil inlet (DIN ISO 228)	1 1/4"BSP	1 1/2"BSP	1 1/2"BSP	1 1/2"BSP			
C	Drain hole						

### How to order:

**Example:** Pump 80cm³/rot, operating pressure up to 350 bar; peak pressure 400 bar, ref. BI P → BI80P7

Fluids	mineral oils type ISO HM or DIN 51524-2 HLP
Recommended viscosity range	20 to 40 cSt (mm2/s) at working temperature
Limits viscosity range	10 to 750 cSt (mm2/s)
Start-up viscosity range, without load	750 to 1500 cSt (mm2/s)
Filtration	10µm ISO4406 18/13
Inlet pressure range	0,8 to 2 bar abs
In the application of any of these pumps; the use of these data does not exem	not the reading of the instruction "BI pumps recommendations before start-up"

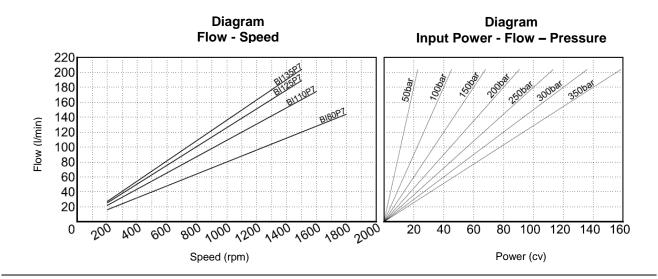
<sup>1</sup> These values are valid at an absolute pressure of 1 bar in suction port when operating with a mineral oil at a viscosity of 30 mm<sup>2</sup>/s (cSt).

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## OIL-HYDRAULIC BENT PUMP AXIAL PISTONS



### **Hose dimensions**

Inlet Hose			
Flow (I/min)	Internal pipe diameter (inch)		
30-40	1"1/4		
50-60	1"1/2		
70-90	1"3/4		
100-120	2"		
130-150	2"1/4		
160-190	2"1/2		
200-230	2"3/4		

Outlet Hose								
Flow (I/min)	Internal pipe diameter (inch)							
30	1/2"	1/2"	1/2"	1/2"	1/2"			
40	5/8"	1/2"	1/2"	1/2"	1/2"			
50	5/8"	5/8"	5/8"	1/2"	1/2"			
60	3/4"	5/8"	5/8"	5/8"	5/8"			
70	1"	3/4"	3/4"	5/8"	5/8"			
80	1"	3/4"	3/4"	3/4"	3/4"			
90	1"	1"	1"	3/4"	3/4"			
100	1"	1"	1"	1"	3/4"			
110	1"	1"	1"	1"	1"			
120	1"	1"	1"	1"	1"			
130	1"	1"	1"	1"	1"			
140	1"1/4	1"	1"	1"	1"			
150	1"1/4	1"	1"	1"	1"			
160	1"1/4	1"1/4	1"	1"	1"			
170	1"1/4	1"1/4	1"	1"	1"			
180	1"1/4	1"1/4	1"1/4	1"	1"			
190	1"1/4	1"1/4	1"1/4	1"	1"			
200	1"1/2	1"1/4	1"1/4	1"1/4	1"			
210	1"1/2	1"1/4	1"1/4	1"1/4	1"1/4			
_	50-100	100-150	150-200	200-300	300-350			
			P (bar)	•				

### Important notes:

- -To install one of these pumps, please consult and respect the instruction "BI pumps recommendations before start-up";
- Other axis available, please consult "Axel options".

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