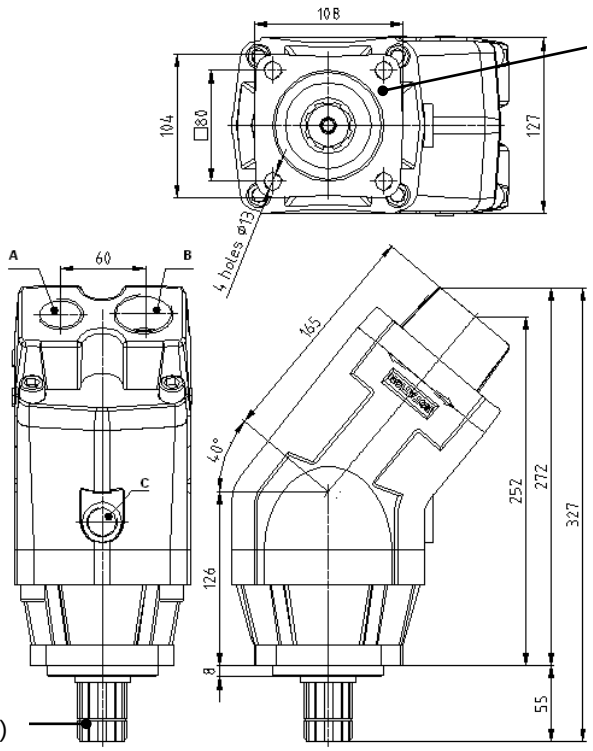
Main Dimensions



Fixation flange according to ISO 7653

B8x32x36(DIN 5462)

(Dimensions in mm)

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[1] (rpm)	1800	1600	1500	1500
Max. rotation without load[1] (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 exempt the reading of the instruction ''BI pumps recommendations before start-up''	

[1] 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 mm²/s (cSt).

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Diagram
Flow - Speed

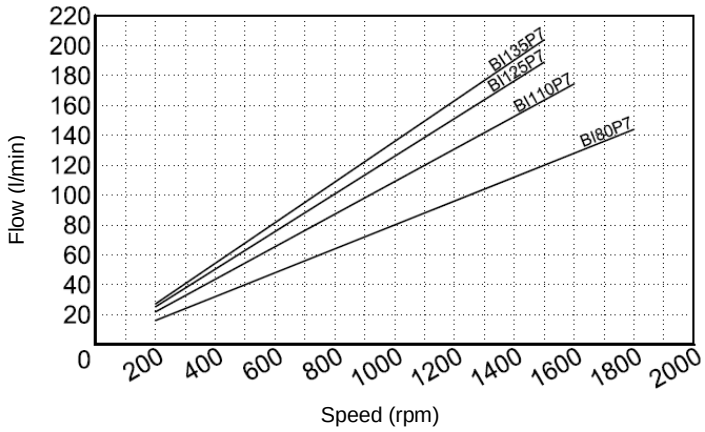
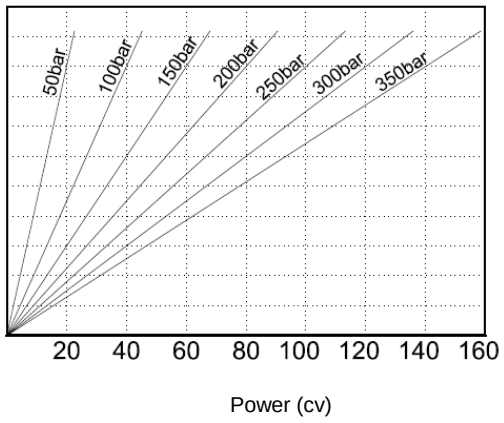


Diagram
Input Power - Flow – Pressure



Hose dimensions

Inlet Hose	
Flow (l/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 (l/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)				

CTI BI P7 1311- 5

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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