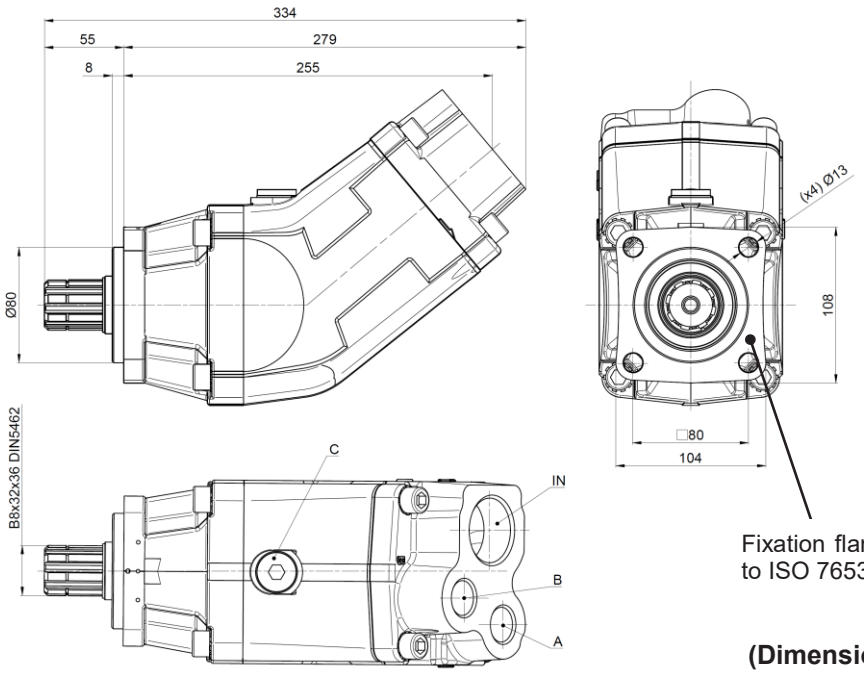
OIL-HYDRAULIC BENT PUMP AXIAL PISTONS

Ref. BID P

Main Dimensions



Fixation flange according to ISO 7653

(Dimensions in mm)

Main Data				
Pumps BID	**40+40P**		**57+28P**	
	A	**B**	**A**	**B**
Displacement (cm^3/rot.)	38	37	57	28
Operating pressure (bar) (up to)	350		350	
Peak pressure (bar)	400		400	
Operating rotation[1] (rpm)	1650		1650	
Max. rotation without load[1] (rpm)	2000		2000	
Weight (approx.) (kg)	15		15	
Pistons quantity	5 + 5		5 + 5	
IN-Oil inlet (DIN ISO 228)	1 1/2"BSP			
A-Oil outlet (DIN ISO 228)	3/4"BSP			
B-Oil outlet (DIN ISO 228)	3/4"BSP			
C	Drain hole			

How to order:

Example: Pump 40+40P, operating pressure up to 350 bar; peak pressure 400 bar, ref. BID BID40+40P

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 recomme	ndations 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 mm^2/s (cSt).

ABER is constantly engaged in improving its products and, therefore, reserves itself the right to modify without any further notice the characteristics shown

Diagram
Flow - Speed

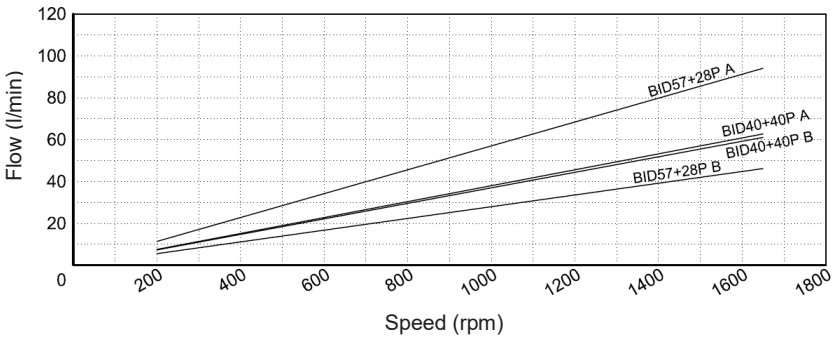
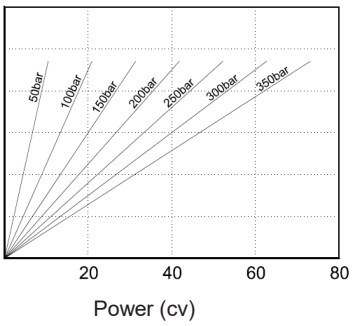


Diagram
Input Power - Flow – Pressure



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"

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"
	50-100	100-150	150-200	250-300	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";
- Keep up the deposit above pump level.

ABER is constantly engaged in improving its products and, therefore, reserves itself the right to modify without any further notice the characteristics shown