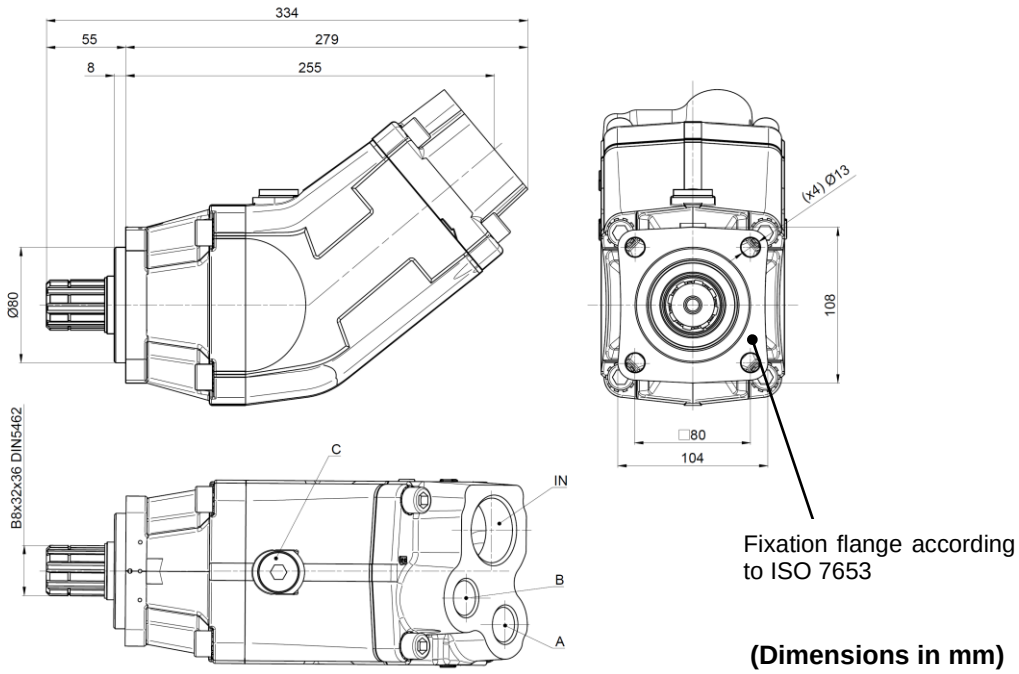
Main Dimensions



(Dimensions in mm)

Main Data						
Pumps BID	**40x40PL**		**40x40PR**		**57x28P**	
	A		**A**	**B**	**A**	**B**
Displacement (cm³/rot.)	38	37	38	37	57	28
Max. operating pressure (bar)	350		350		350	
Operating rotation[1] (rpm)	1650		1650		1650	
Max. rotation without load[1] (rpm)	2000		2000		2000	
Weight (approx.) (kg)	15		15		15	
Pistons quantity	5 + 5		5 + 5		5 + 5	
Sense of rotation	Left		Right		Left or Right (Switchable)	
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 57x28P, max. operating pressure up to 350 bar; ref. BID_P ➔ BID57x28P

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

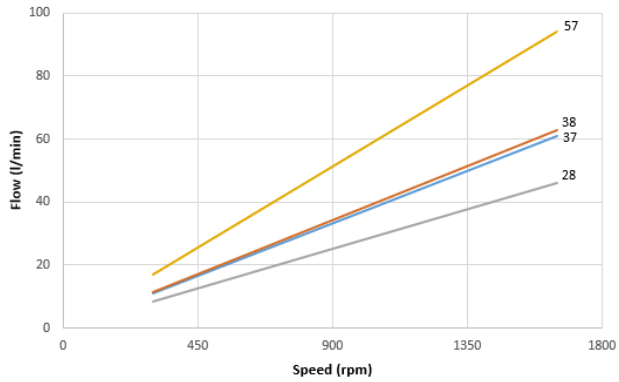
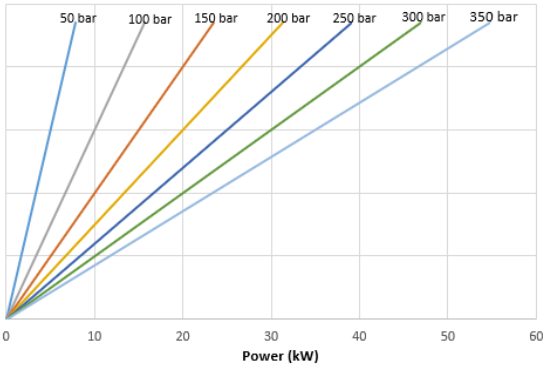


Diagram
Input Power - Flow – Pressure



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"

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
	Pressure (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.

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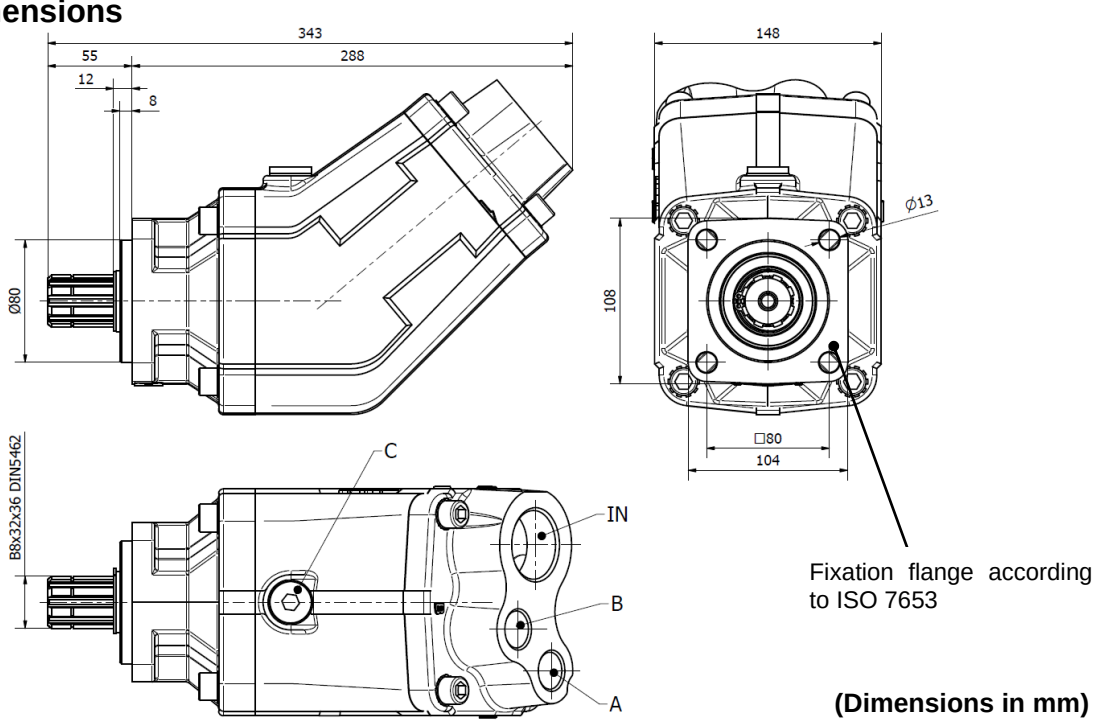
OIL-HYDRAULIC BENT PUMP AXIAL PISTONS

Ref. BID_H

Main Dimensions



(Dimensions in mm)

Main Data										
Pumps BID	**80x40H**		**55x55HL**		**55x55HR**		**70x70HL**		**70x70HR**	
	A	**B**	**B**	**B**	**A**	**B**	**A**	**B**	**A**	**B**
Displacement (cm^3/rot.)	80	38	58	60	58	60	70	66	70	66
Max. operating pressure (bar)	350		350		350		300		300	
Operating rotation[1] (rpm)	1500		1400		1400		1300		1300	
Max. rotation without load[1] (rpm)	2100		1900		1900		1800		1800	
Weight (approx.) (kg)	19		19		19		19		19	
Pistons quantity	5 + 5		5 + 5		5 + 5		5 + 5		5 + 5	
Sense of rotation	Left or Right (Switchable)		Left		Right		Left		Right	
IN-Oil inlet (DIN ISO 228)	1 1/2"BSP		1 1/2"BSP		1 1/2"BSP		1 1/2"BSP		1 1/2"BSP	
A-Oil outlet (DIN ISO 228)	1"BSP		1"BSP		1"BSP		1"BSP		1"BSP	
B-Oil outlet (DIN ISO 228)	3/4"BSP		1"BSP		1"BSP		1"BSP		1"BSP	
C	Drain hole									

How to order:
Example: Pump 80x40H, max. operating pressure up to 350 bar; ref. BID_H ➔ BID80x40H

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 mm^2/s (cSt).

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Diagram
Flow - Speed

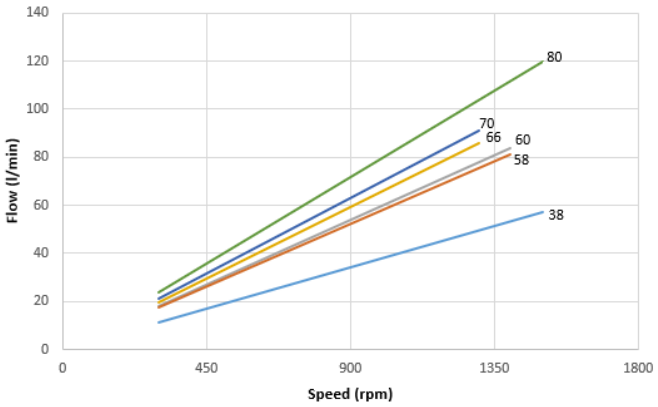
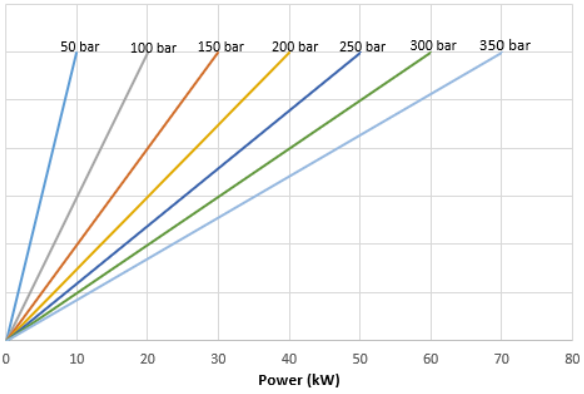


Diagram
Input Power - Flow – Pressure



Hose dimensions

Inlet Hose	
Flow (l/min)	**Internal pipe diameter (inch)**
<140	2" 1/2
140-170	2" 3/4
>170	3"

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"
	50-100	100-150	150-200	250-300	300-350
	Pressure (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.

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