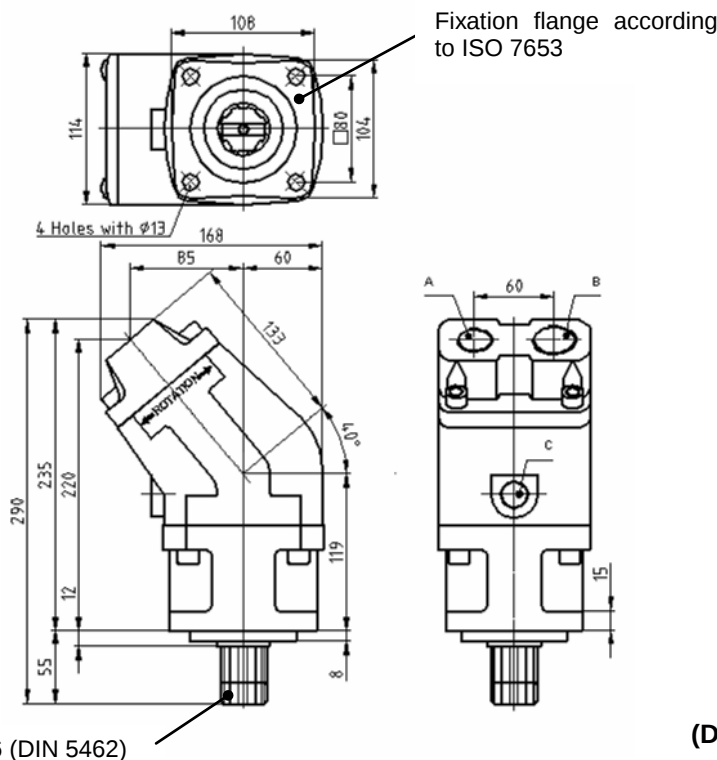




OIL-HYDRAULIC BENT PUMP
AXIAL PISTONS

Ref. BI M

Main Dimensions



(Dimensions in mm)

Main Data

Pumps BI	25M	30M	40M	50M
Displacement (cm ³ /rot.)	26	32	42	50
Operating pressure (bar) (up to)	350	350	350	350
Peak pressure (bar)	400	400	400	400
Operating rotation ¹ (rpm)	2500	2500	2300	2100
Max. rotation without load ¹ (rpm)	2800	2800	2600	2400
Weight (approx.) (kg)	9.5	9.7	9.9	10.0
Pistons quantity	5			
A-Oil outlet (DIN ISO 228)	3/4''BSP	3/4''BSP	3/4''BSP	3/4''BSP
B-Oil inlet (DIN ISO 228)	1''BSP	1''BSP	1''BSP	1''BSP
C	Drain hole			

How to order:

Example: Pump 50cm³/rot; operating pressure up to 350 bar; peak pressure 400 bar, ref. BI M → BI50M

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).

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



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OIL-HYDRAULIC BENT PUMP
AXIAL PISTONS

Ref. BI M

Diagram
Flow - Speed

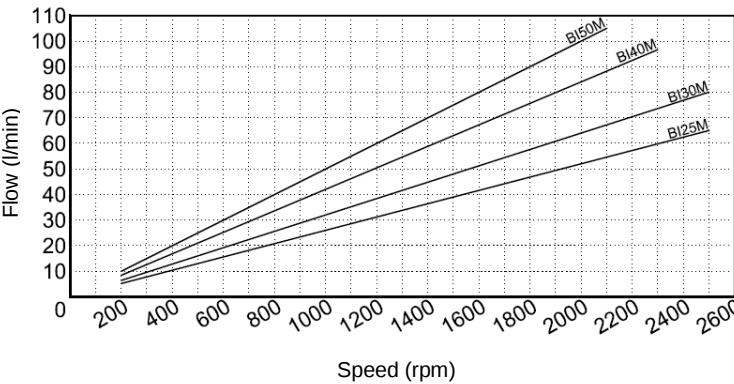
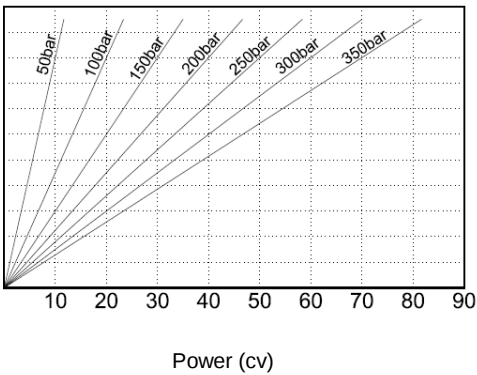


Diagram
Input Power - Flow – Pressure



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)				
	1/2"	1/2"	1/2"	1/2"	1/2"
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"
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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