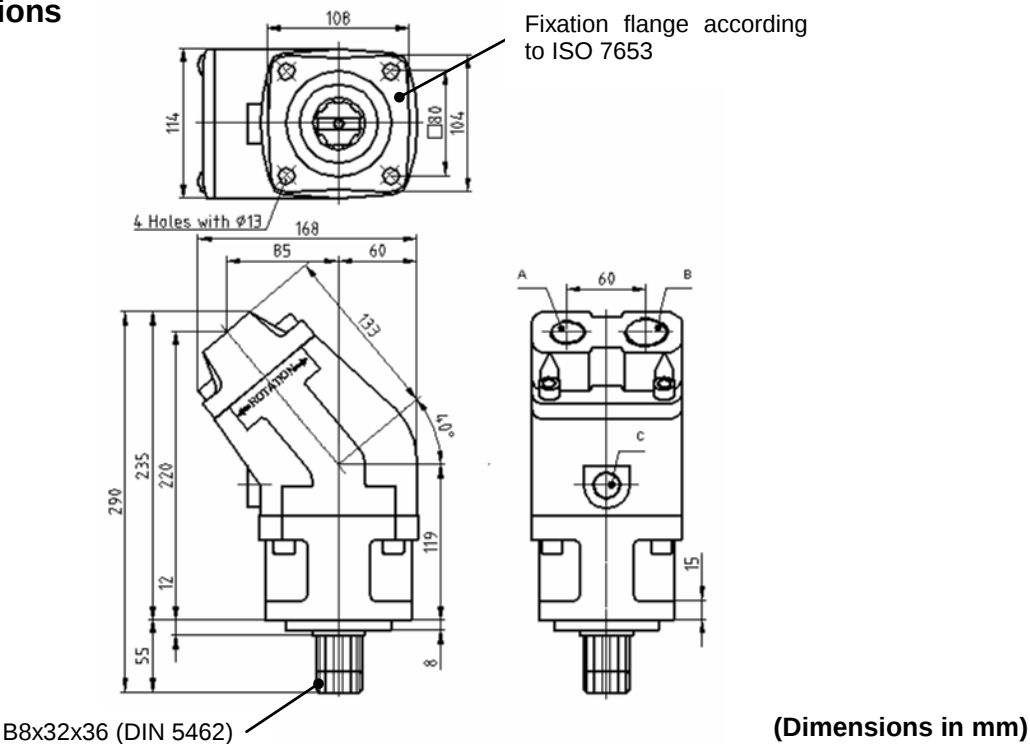




OIL-HYDRAULIC BENT PUMP
AXIAL PISTONS

Ref. BI M7

Main Dimensions



Main Data

Pumps BI	60M7	80M7
Displacement (cm ³ /rot.)	60	81
Operating pressure (bar) (up to)	350	300
Peak pressure (bar)	400	350
Operating rotation ¹ (rpm)	1900	1800
Max. rotation without load ¹ (rpm)	2200	2000
Weight (approx.) (kg)	10.5	10.5
Pistons quantity	7	
A-Oil outlet (DIN ISO 228)	3/4" BSP	1" BSP
B-Oil inlet (DIN ISO 228)	1" BSP	1 1/4" BSP
C	Drain hole	

How to order:

Example: Pump 80cm³/rot, operating pressure up to 300 bar; peak pressure 350 bar, ref. BI M7 → BI80M7

Fluids	mineral oils type ISO HM or DIN 51524-2 HLP
Recommended viscosity range	20 to 40 cSt (mm ² /s) at working temperature
Limits viscosity range	10 to 750 cSt (mm ² /s)
Start-up viscosity range, without load	750 to 1500 cSt (mm ² /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

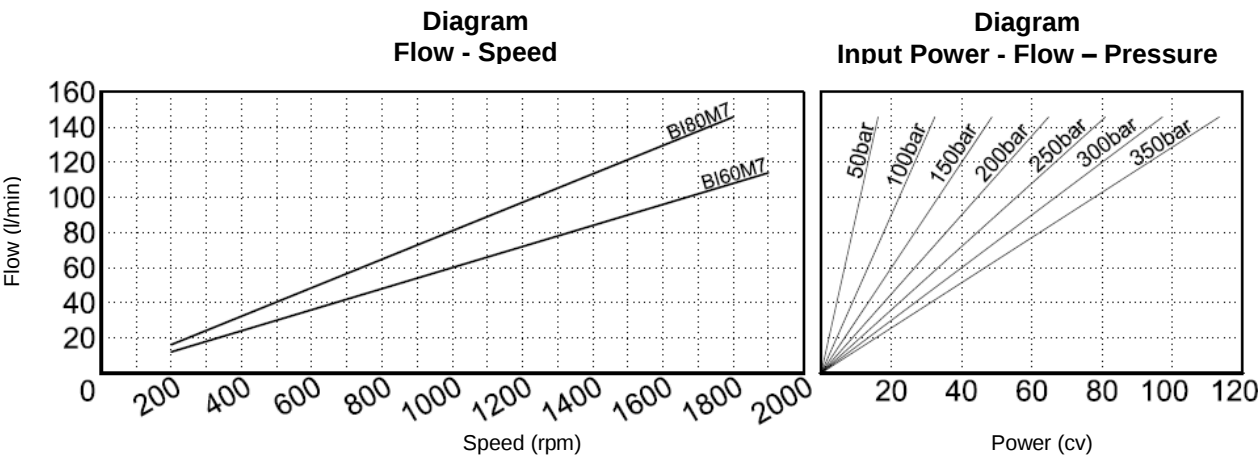


ABER - Embraiaçens e Comandos Hidráulicos - A. B. LDA
Rua Francisco de Almeida, Nº 30 – Vila Nova da Telha – 4470 MAIA - Portugal
Telephone: +351.22.9438070 Fax: +351.22.9420823 e-mail: aber@aber.pt <http://www.aber.pt>



OIL-HYDRAULIC BENT PUMP
AXIAL PISTONS

Ref. BI M7



Hose dimensions

Inlet Hose		Outlet Hose					
Flow (l/min)	Internal pipe diameter (inch)	Flow (l/min)	Internal pipe diameter (inch)				
30-40	1"1/4	30	1/2"	1/2"	1/2"	1/2"	1/2"
50-60	1"1/2	40	5/8"	1/2"	1/2"	1/2"	1/2"
70-90	1"3/4	50	5/8"	5/8"	5/8"	1/2"	1/2"
100-120	2"	60	3/4"	5/8"	5/8"	5/8"	5/8"
130-150	2"1/4	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	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”.

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



ABER - Embraiagens e Comandos Hidráulicos - A. B. LDA
Rua Francisco de Almeida, Nº 30 – Vila Nova da Telha – 4470 MAIA - Portugal
Telephone: +351.22.9438070 Fax: +351.22.9420823 e-mail: aber@aber.pt <http://www.aber.pt>