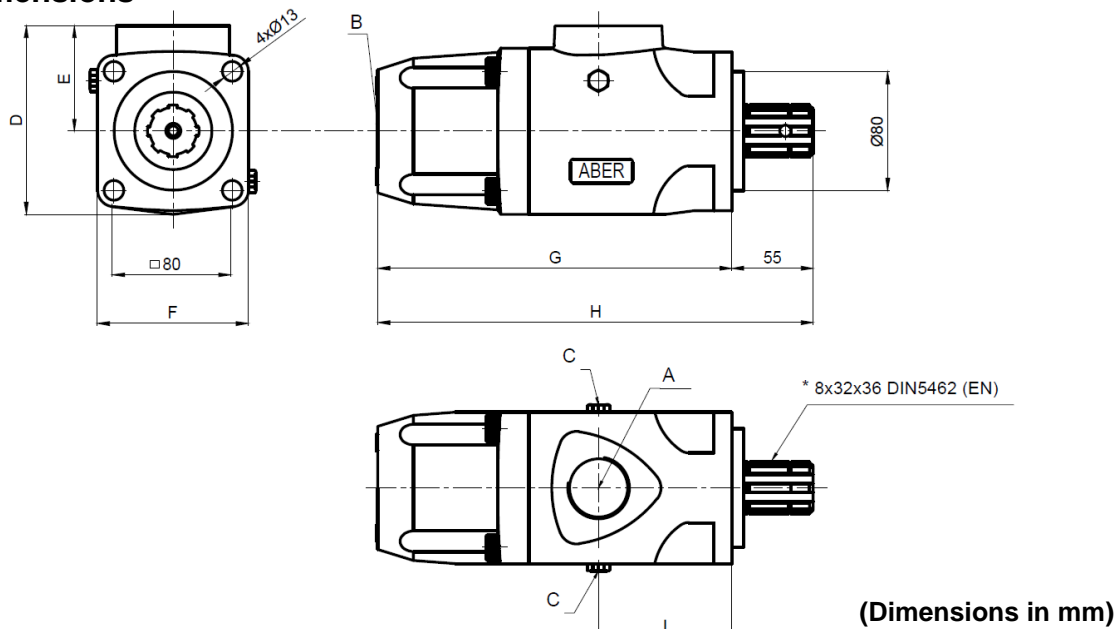




OIL-HYDRAULIC PUMP AXIAL PISTONS

Ref. BHS_EN

Main Dimensions



Main Data

Pump BHS_EN	21716
Cylinder capacity (cm³/Rot.)	52
Output at max. rotation (l/min)	83
Operating pressure (bar) (up to)	400
Peak pressure (bar)	450
Rotation mín. (rpm)	200
Rotation máx. (rpm)	1600
Weight (kg)	16
Sense of Rotation	Bi-directional
A-Oil inlet (BSP)	1"1/2
B-Oil Outlet (BSP)	3/4"
C	Oil drain Plug
D	148
E	72
F	118
G	259
H	314
I	118

How to order:

Example: Pump 52cm³, operating pressure up to 400 bar; peak pressure 450 bar, ref. BHS with DIN 5462 (EN) → BHS21716EN

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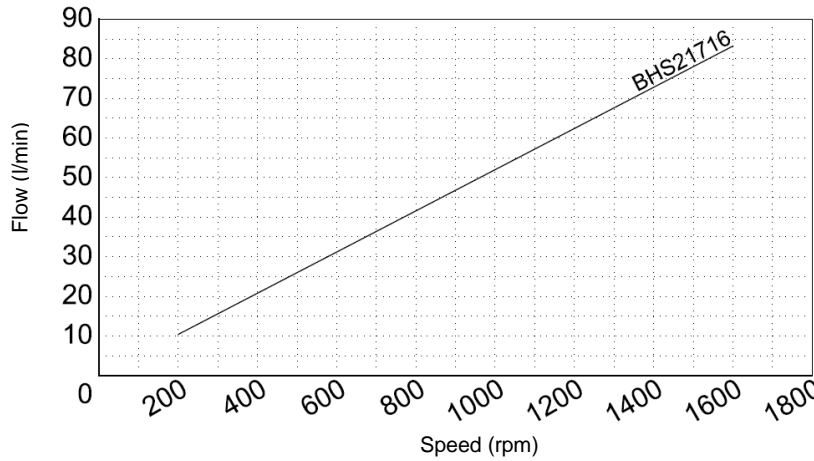
Telephone: +351.22.9438070 Fax: +351.22.9420823 e-mail: aber@aber.pt <http://www.aber.pt>



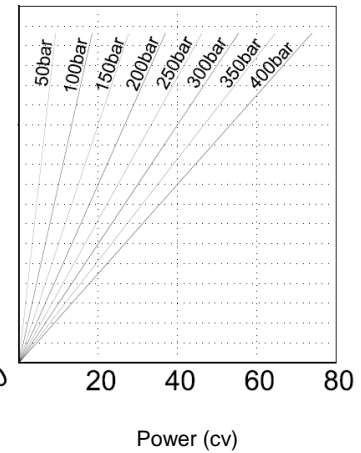
OIL-HYDRAULIC PUMP AXIAL PISTONS

Ref. BHS_EN

**Diagram
Flow - Speed**



**Diagram
Input Power - Flow – Pressure**



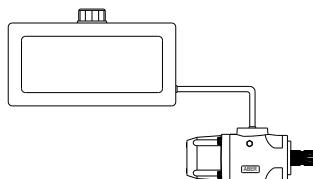
Hose dimensions

Inlet Hose	
Flow (l/min)	Internal pipe diameter (inch)
30-40	1"1/4
50-60	1"1/2
70-90	1"3/4

Outlet Hose					
Flow (l/min)	Internal pipe diameter (inch)				
	30	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"
	50-100	100-150	150-200	200-300	300-400
	P (bar)				

IMPORTANT NOTES:

- ✓ Other axis available, please consult "Axel options"
- ✓ Diameter of inlet pipes lower than indicated in our technical catalogues as well as a poor sealing can cause cavitation phenomenon to occur, thereby deteriorating the pump
- ✓ Keep up the deposit above pump level
- ✓ Used always return filters. We recommend filters with mesh equal to or lower than 25 µm
- ✓ The connection of inlet pipes in the pump, can be done by threading or flange and the sealing by orring
- ✓ Use a good quality mineral hydraulic-oil with viscosity at operating temperature between 20 and 46 cSt
- ✓ Fill the oil tank to 85% of its maximum capacity (the remainder 15% must not have oil)



Keep up the deposit above pump level

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