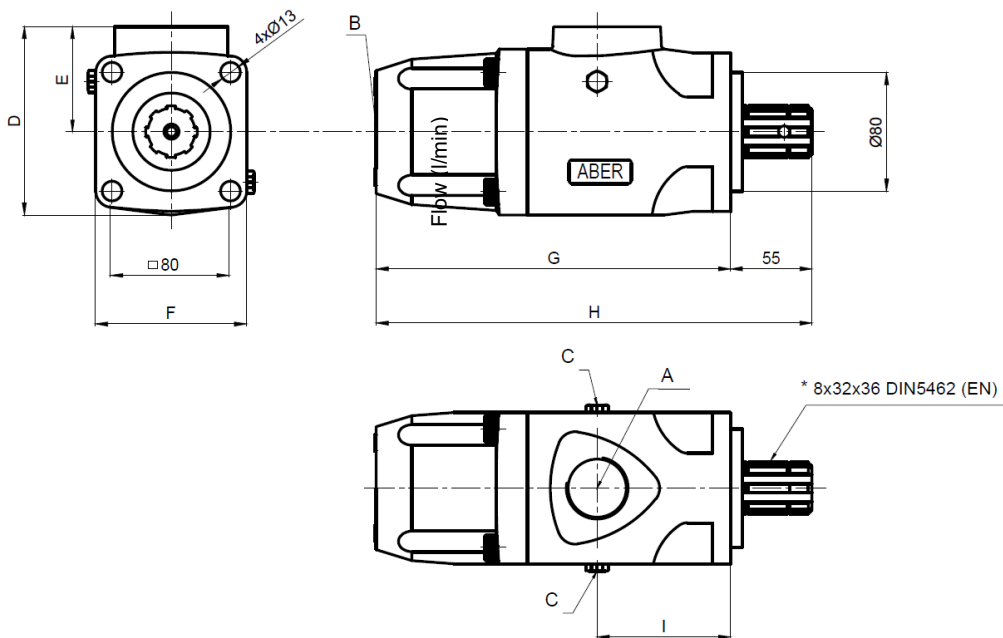




# OIL-HYDRAULIC PUMP AXIAL PISTONS

Ref. BHZ\_EN

## Main Dimensions



(Dimensions in mm)

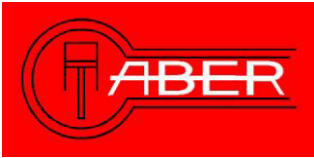
## Main Data

Pumps BHZ_EN	25319	25419	25519	25619	25716	25719	25916
Cylinder capacity (cm <sup>3</sup> /Rot.)	32	40	50	60	70	80	110
Output at max. rotation (l/min)	48	60	75	90	105	96	132
Operating pressure (bar) (up to)	250	250	250	250	250	250	250
Peak pressure (bar)	320	320	320	320	320	320	320
Rotation mín. (rpm)	200	200	200	200	200	200	200
Rotation máx. (rpm)	1500	1500	1500	1500	1500	1200	1200
Weight (kg)	12	12	13	13	16	16	21,5
Sense of Rotation	Bi-directional						
A-Oil inlet (BSP)	1"1/4	1"1/4	1"1/4	1"1/4	1"1/2	1"1/2	1"1/2
B-Oil Outlet (BSP)	3/4"	3/4"	3/4"	3/4"	1"	1"	1"
C	Oil drain plug						
D	125	125	125	125	148	148	152
E	69	69	69	69	72	72	80
F	102	102	102	102	118	118	142
G	240	240	240	240	259	259	270
H	295	295	295	295	314	314	325
I	90	90	90	90	118	118	134

### How to order:

**Example:** Pump 32cm<sup>3</sup>, operating pressure up to 250 bar; peak pressure 320 bar, ref. BHZ with DIN 5462 (EN) BHZ25319EN

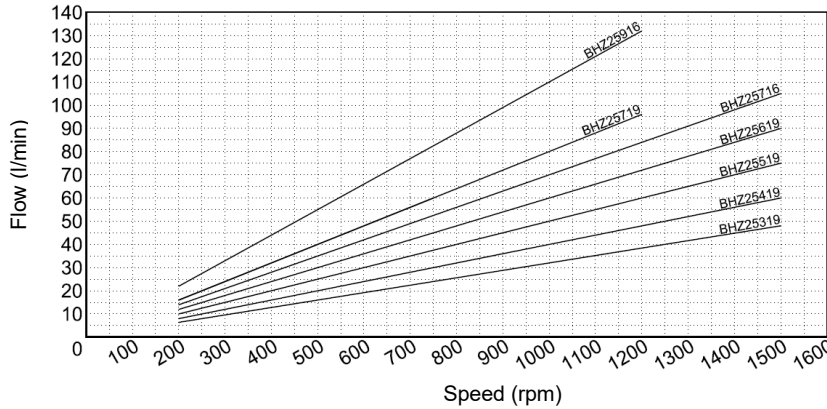
ABER is constantly engaged in improving its products and, therefore, reserves itself the right to modify without any further notice the characteristics shown



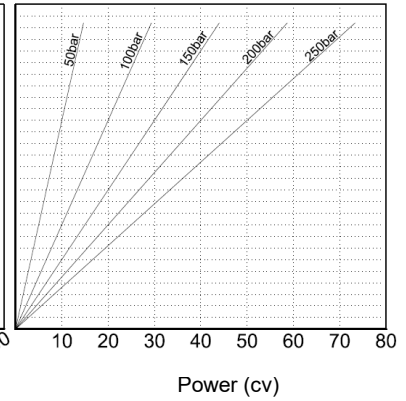
# OIL-HYDRAULIC PUMP AXIAL PISTONS

Ref. BHZ\_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
100-120	2"
130-150	2"1/4

Outlet Hose				
Flow (l/min)	Internal pipe diameter (inch)			
	30	1/2"	1/2"	1/2"
40	5/8"	1/2"	1/2"	1/2"
50	5/8"	5/8"	5/8"	1/2"
60	3/4"	5/8"	5/8"	5/8"
70	1"	3/4"	3/4"	5/8"
80	1"	3/4"	3/4"	3/4"
90	1"	1"	1"	3/4"
100	1"	1"	1"	1"
110	1"	1"	1"	1"
120	1"	1"	1"	1"
130	1"	1"	1"	1"
	50-100	100-150	150-200	200-300
	<b>P (bar)</b>			

### 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

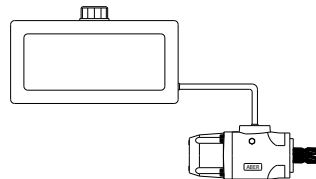
Keep up the deposit above pump level

Used always return filters. We recommend filters with mesh equal to or lower than 25  $\mu$ m

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

CTI BHZ\_EN 1306- 4

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