

NACHI

NACHI EUROPE GmbH

**OUR SYNERGY
YOUR PERFORMANCE**

PZH-SERIES AXIAL PISTON PUMP



CELEBRATE THE POLE POSITION



**LOW
NOISE LEVEL
70dB(A)**

Low noise level: 70dB(A)
at full cut-off at 350bar

PZH-SERIES

Axial Piston Pump for High-Pressure Application



Interfaces:

- ▶ Flange: SAE and ISO on board
- ▶ Key shaft, metric key shaft

Pressure & Flow:

- ▶ P_{max} : 350bar
- ▶ P_{peak} : 400bar
- ▶ Q: 45cm³/rev. and 72cm³/rev

Benefits:

- ▶ Low noise level:
70dB(A) at full cut-off at 350bar
- ▶ Energy-saving by use of highly-efficient spherical valve plate
- ▶ Very long lifetime with high load resistant Nachi-Bearings
- ▶ Different pressure compensator available

Features:

- ▶ Spherical valve plate with self-aligning function has minimised the leakage at high pressure
- ▶ Improved mechanical efficiency by reduced friction losses at high pressure
- ▶ Large port diameter for less internal pressure drop

Application Examples

FORGING MACHINES



INJECTION MOLDING



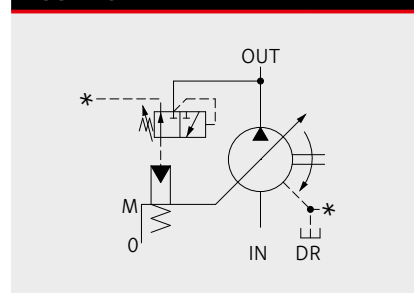
TESTBENCH



PUMP SPECIFICATION

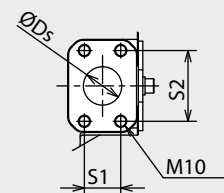
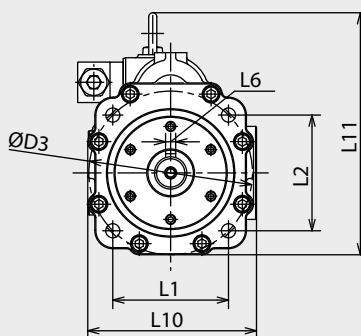
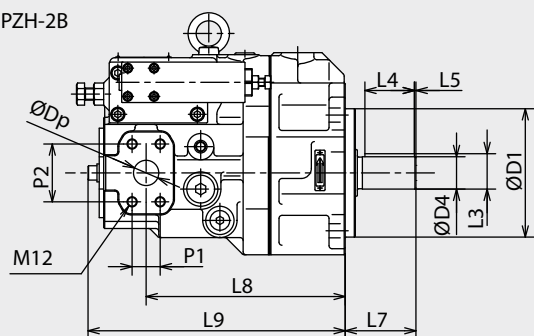
Model	Volume (cm ³ /rev)	Pressure (bar)		Pressure adjustment range (bar)	Speed (rpm)		Weight (approx.) kg
		Nominal	Maximum		Min.	Max.	
PZH-3B-72N5-10	72	350	400	20-350	500	2000	42
PZH-2B-45N5-10	45	350	400	20-350	500	2000	30

JIS SYMBOL



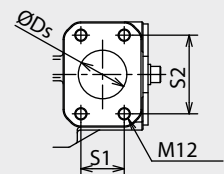
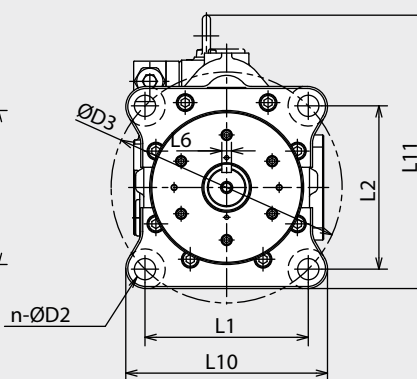
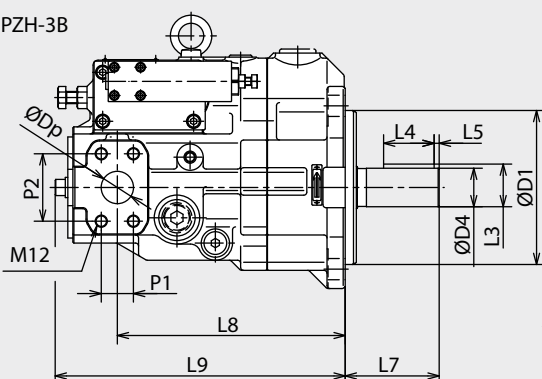
INSTALLATION DRAWING PZH

PZH-2B



PZH-2B	D1	D3	D4	L1/L2	L3	L4	L6	L7	L9	L10	L11	S1	S2	P1	P2
ISO	125	160	32	113.2/113.2	35	49	10	68	254	177	244	35.7	69.9	27.8	57.2
SAE	127	161.9	31.8	114.5/114.5	35.3	48	7.94	68	254	177	244	35.7	69.9	27.8	57.2

PZH-3B



PZH-3B	D1	D3	D4	L1/L2	L3	L4	L6	L7	L9	L10	L11	S1	S2	P1	P2
ISO	160	200	40	141.4/141.4	43	55	12	93	287	200	270.5	42.9	77.8	31.8	66.7
SAE	152.4	228.5	38.1	161.1/161.1	42.2	55	9.53	93	287	200	270.5	42.9	77.8	31.8	66.7

PZH - □ B - □□ □ 5 - (□) -10

Explanation of Model Code

Design Number: 10

Supplementary Symbol for Pump Mounting:

Blank:	SAE standard basis outlet port locates laterally (mounting type A only)
--------	---

M: ISO standard basis

Y: Outlet port locates upward (mounting type A only)

Pressure Adjustment Range:

5: 20 – 350bar

Control Method:

N: Pressure compensator type

L: Constant horse power control (Please contact us)

Pump Volume: 45cm³/rev. or 72cm³/rev

Mounting Type

A: Foot mounting

B: Flange type

Pump size:

2: 45cm³/rev.

3: 72cm³/rev.

PZH Series: High-Pressure Variable Piston Pump

NACHI

NACHI EUROPE GmbH

**OUR SYNERGY
YOUR PERFORMANCE**



MADE IN JAPAN



cesehsa.com.mx
info@cesehsa.com.mx
800 237 3472