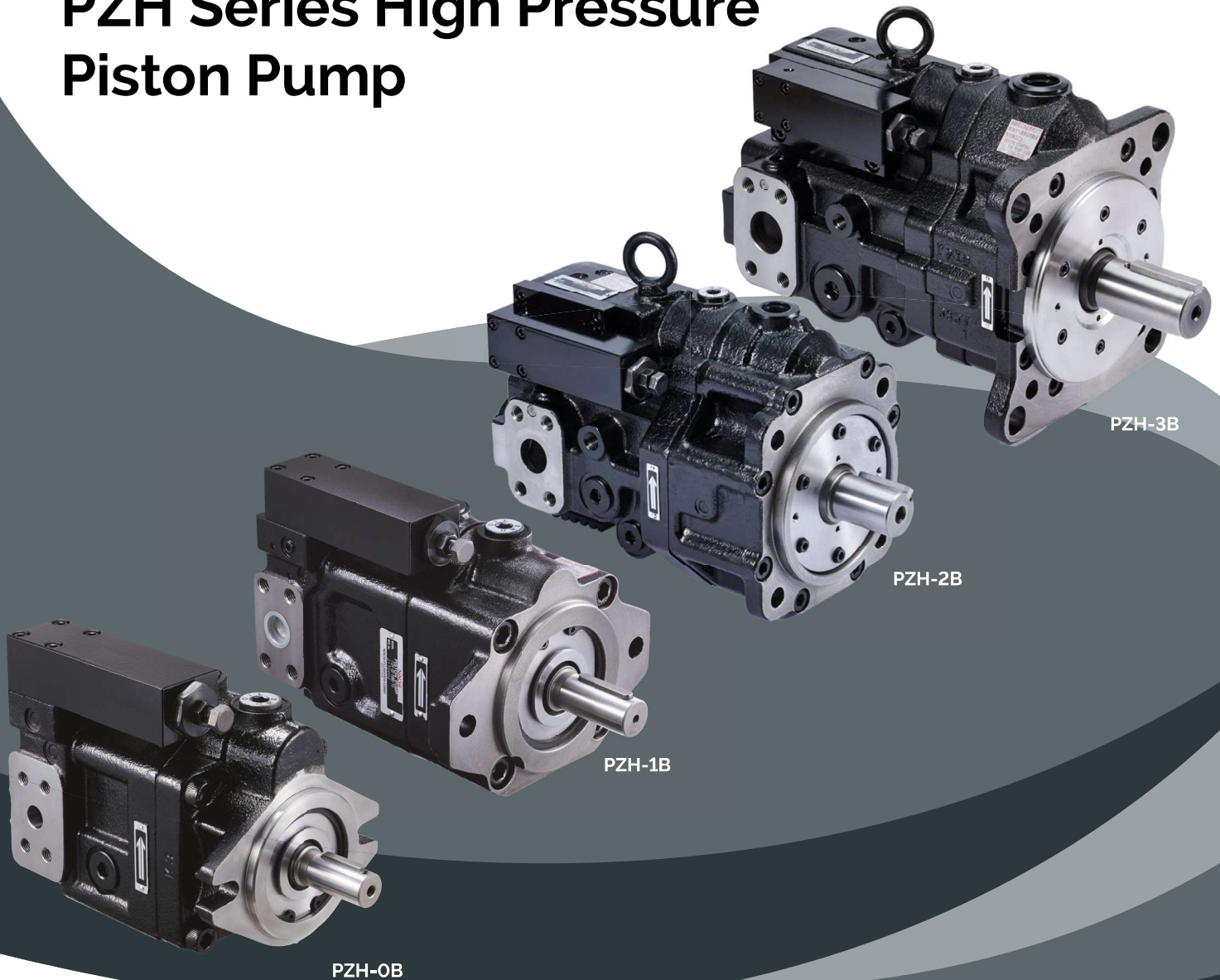


NACHI

PZH Series High Pressure Piston Pump



Max Operating Pressure 5000 psi

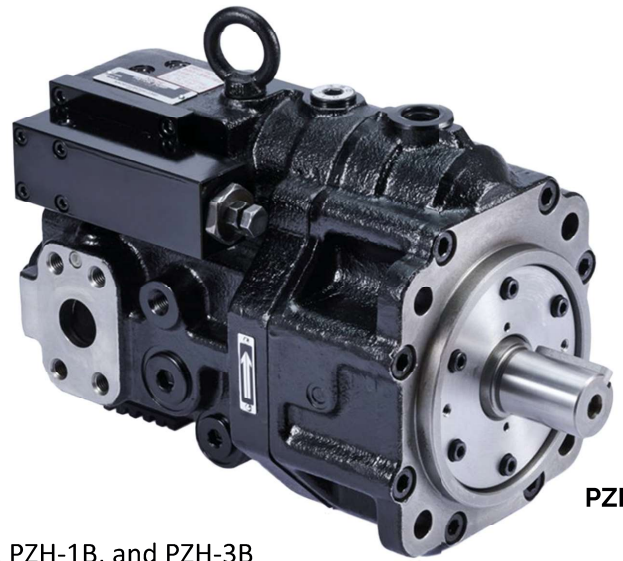
Low Noise Level: 70 dB(A) at Full Cut-Off

Strong Structure for High Durability



Features

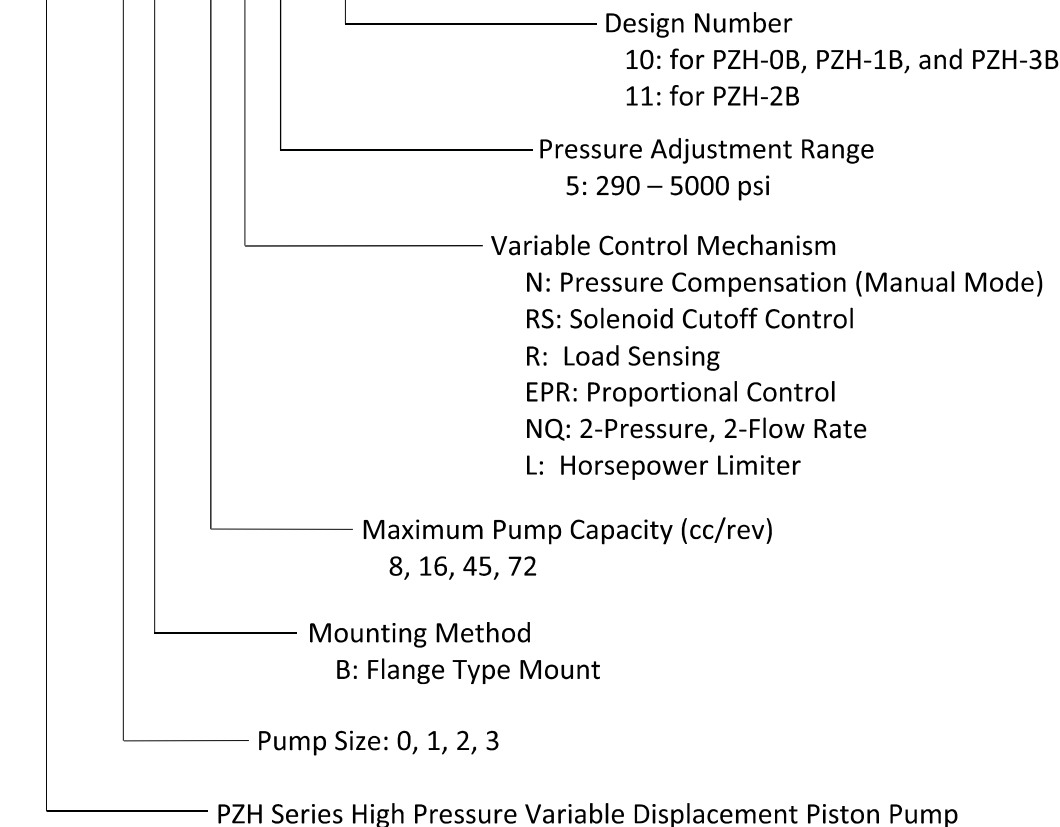
- Max operating pressure at 5000 psi
- Low noise level: 70 dB(A) at full cut-off at 5000 psi
- Long lifetime with high load resistant Nachi Bearings
- Several variable control mechanisms available



PZH-2B

Explanation of Model Number

PZH - * B - * N 5 - 10



Applications

- Forging Machine
- Injection Molding Machine
- Test Bench

Pressure & Pump Capacity

Rate Pressure: 5000 psi

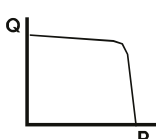
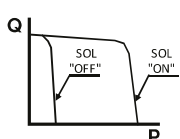
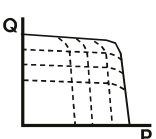
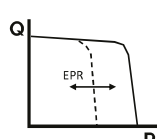
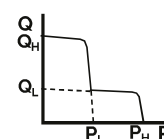
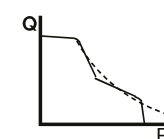
Peak Pressure: 5800 psi

Pump Capacity: 0.49 in³/rev, 1.00 in³/rev,
2.74 in³/rev, & 4.39 in³/rev

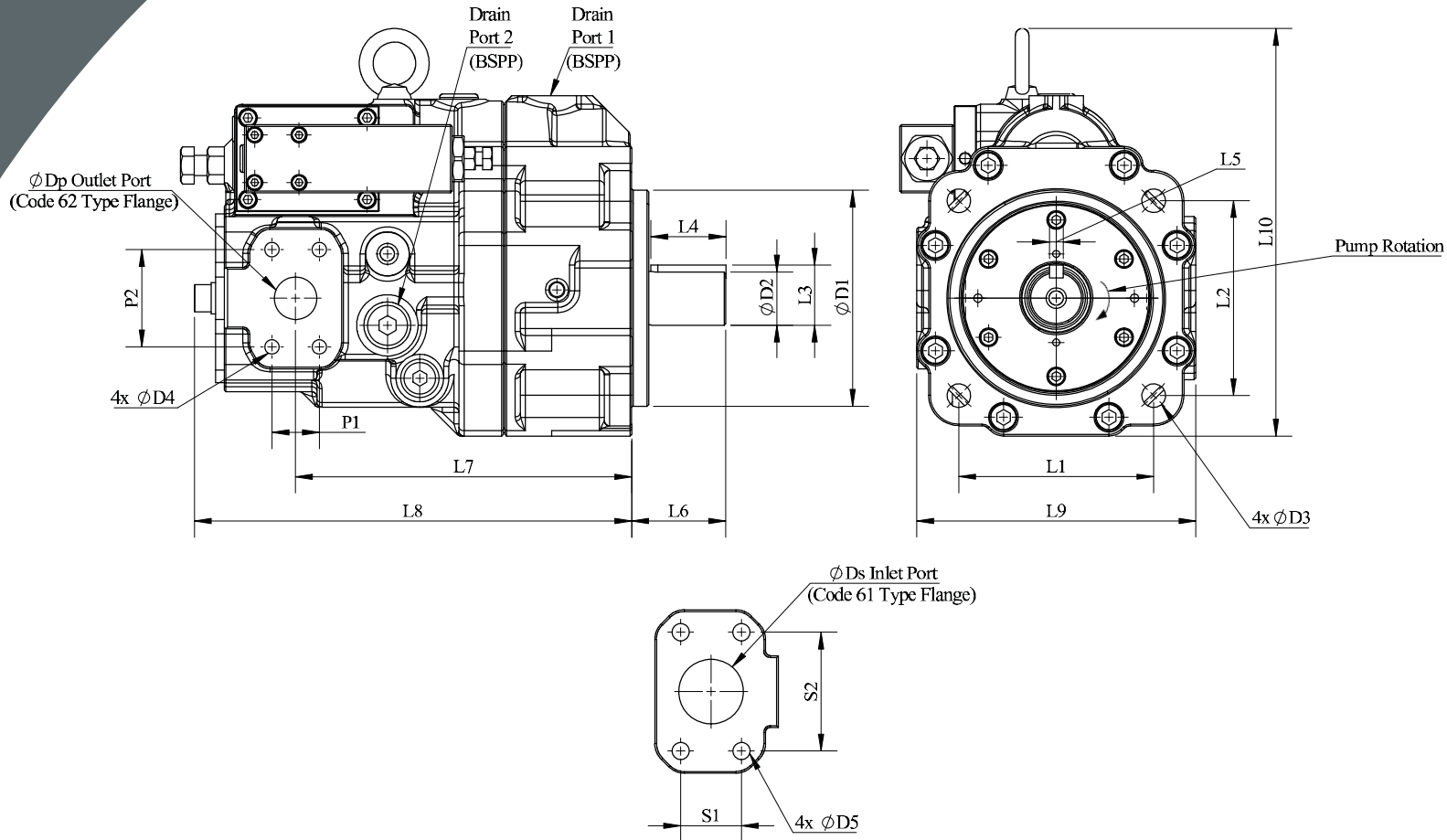
PZH Specifications

Model No.	Pump Capacity in ³ /rev (cc/rev)	Discharge Volume at No-Load (gpm)	Pressure Range (psi)	Allowable Peak Pressure (psi)	Rotating Speed (rpm)		Port Size	Flange Size	Mass (lbs)
					Min	Max			
PZH-0B	0.18 - 0.49 (3 - 8)	3.8	290 - 5000	5800	500	2000	Inlet: Code 61 3/4" Outlet: Code 62 1/2"	SAE-A 2 Bolt Flange	26
PZH-1B	0.37 - 1.00 (6 - 16.5)	7.8			500	2000	Inlet: Code 61 1" Outlet: Code 62 3/4"	SAE-B 2 Bolt Flange	35
PZH-2B	1.7 - 2.74 (28 - 45)	21.4			500	2000	Inlet: Code 61 1-1/2" Outlet: Code 62 1"	SAE-C 4 Bolt Flange	68
PZH-3B	2.74 - 4.39 (45 - 72)	34.2			500	2000	Inlet: Code 61 2" Outlet: Code 62 1-1/4"	SAE-D 4 Bolt Flange	95

Variable Control Mechanism

Pump Model	Pump Capacity (in ³ /rev)	Pressure Compensation (Manual)	Solenoid Cutoff Control	Load Sensing	Proportional Valve Control	2-Pressure 2-Flow rate	Horsepower Limiter
		N	RS	R	EPR	NQ	L
PZH-0B	0.49	○	○	○	○	—	—
PZH-1B	1.00	○	○	○	○	○	—
PZH-2B	2.74	○	○	○	○	—	○
PZH-3B	4.39	○	○	○	○	—	○
P-Q Characteristic							

○: Standard Model, —: Not Available



Pump Model	D1		D2		L1		L2		L3		L4		L5		L6		L7		L8	
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
PZH-0B	82.6	3.25	19.1	0.75	106.4	4.19	-	-	21.2	0.83	25.4	1.00	4.8	0.19	43.0	1.70	144.5	5.69	167.5	6.60
PZH-1B	101.6	4.00	22.2	0.88	146.0	5.75	-	-	24.9	0.98	38.0	1.50	6.3	0.25	60.0	2.36	170.5	6.71	193.5	7.62
PZH-2B	127.0	5.00	31.8	1.25	114.5	4.51	114.5	4.51	35.3	1.39	44.0	1.73	7.9	0.31	55.0	2.17	194.0	7.64	256.5	10.10
PZH-3B	152.4	6.00	38.1	1.50	161.6	6.36	161.6	6.36	42.2	1.66	55.0	2.17	9.5	0.38	90.0	3.54	225.5	8.88	287	11.30

Pump Model	L9		L10		P1		P2		Dp		D3	S1		S2		Ds		D4	D5	Drain Port
	mm	in	mm	in	mm	in	mm	in	mm	in		mm	in	mm	in	mm	in			
PZH-0B	120.0	4.72	157.0	6.18	18.2	0.72	40.5	1.59	13.0	0.51	M10	22.0	0.87	47.5	1.87	19.0	0.75	M8	M10	BSPP 3/8
PZH-1B	124.0	4.88	162.0	6.38	23.8	0.94	50.8	2.00	19.0	0.75	M10	26.2	1.03	52.4	2.06	24.0	0.94	M10	M10	BSPP 3/8
PZH-2B	170.0	6.69	239.5	9.43	27.8	1.09	57.2	2.25	25.0	0.98	M12	35.7	1.41	69.8	2.75	38.0	1.50	M12	M12	BSPP 1/2
PZH-3B	188.0	7.40	270.5	10.65	31.8	1.25	66.7	2.63	32.0	1.26	M12	42.9	1.69	77.8	3.06	48.0	1.89	M12	M12	BSPP 3/4

NACHI
NACHI AMERICA INC.

877.622.4487
 ml-nai.Hydraulics@Nachi.com
 www.NachiAmerica.com

Nachi America Inc.
 715 Pushville Road
 Greenwood, IN 46143