

VPLB0753EPJ12AA

Allen-Bradley Kinetix VPL Servo Motor 480VAC 3500RPM
2.28Nm Digital Encoder No Brake Key



SERVO MOTORS AND CABLES



Allen-Bradley



Component type	Electric servomotor
Range	VP
Model	N/A
Product status	Existing

The Allen-Bradley VP Series Servo Motors are an integrated motion control solution with over EtherNet/IP network, optimised to run with the Kinetix 5500 and 5700 servo drives to provide smooth motion control. The Kinetix VPC continuous-duty servo motors offer continuous power and torque utilising interior permanent magnet technology for higher efficiency in continuous duty application.

CONSTRUCTION

IP rating	IP50
Rotational speed	3500 1/min
Max. torque	7.35 Nm
Torque	2.28 Nm
Max. shock acceleration	20 g
Max. vibration frequency, operational	2000 Hz
Max. vibration acceleration	2.5 m/s ²
Weight	2590 g
Operating temperature	0...40 °C
Allowable relative humidity	5-95 %

DIMENSIONS

ENVIRONMENT

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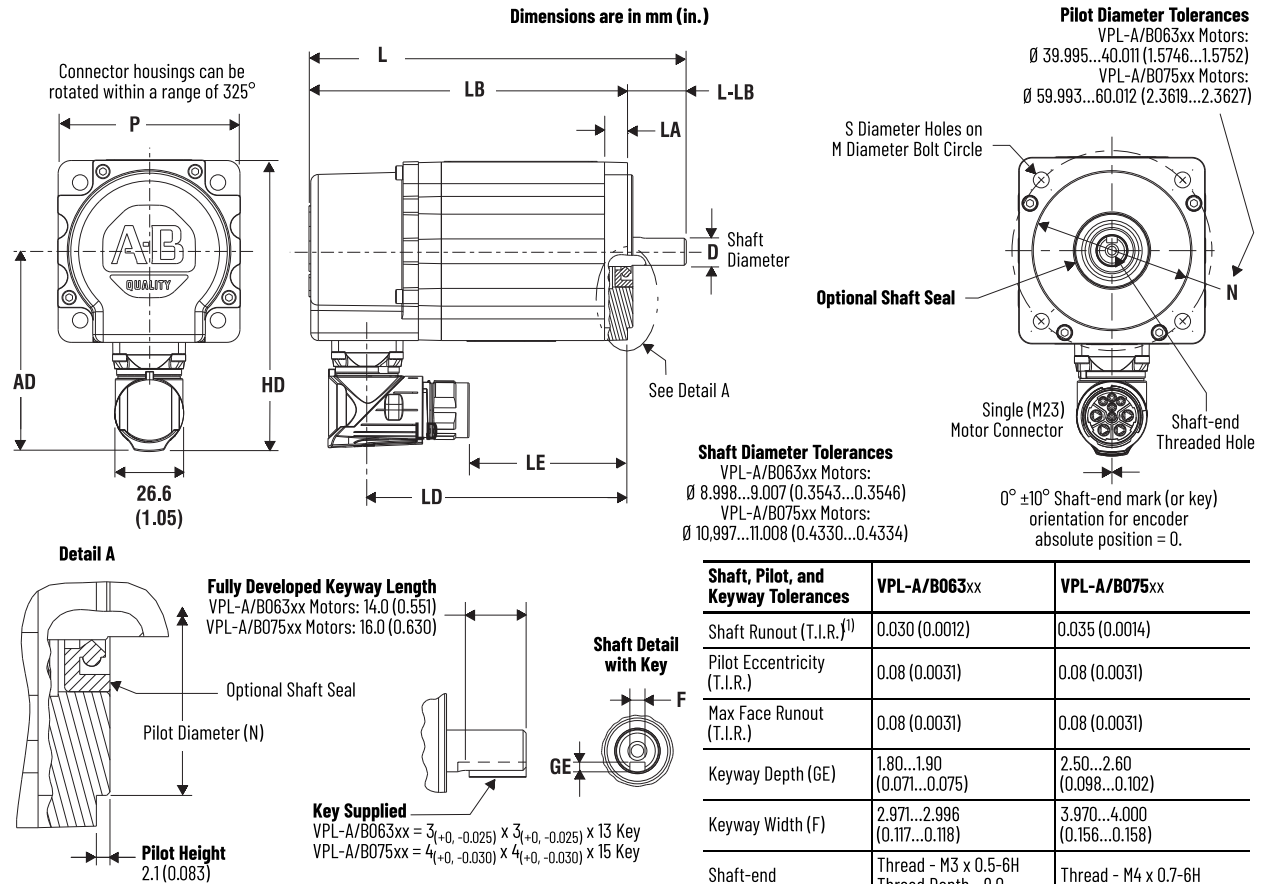
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DIMENSIONAL DIAGRAM

Motor Dimensions (063 mm and 075 mm frame sizes)



Shaft, Pilot, and Keyway Tolerances	VPL-A/B063xx	VPL-A/B075xx
Shaft Runout (T.I.R.) ⁽¹⁾	0.030 (0.0012)	0.035 (0.0014)
Pilot Eccentricity (T.I.R.)	0.08 (0.0031)	0.08 (0.0031)
Max Face Runout (T.I.R.)	0.08 (0.0031)	0.08 (0.0031)
Keyway Depth (GE)	1.80...1.90 (0.071...0.075)	2.50...2.60 (0.098...0.102)
Keyway Width (F)	2.971...2.996 (0.117...0.118)	3.970...4.000 (0.156...0.158)
Shaft-end Threaded Hole	Thread - M3 x 0.5-6H Thread Depth - 9.0 (0.354)	Thread - M4 x 0.7-6H Thread Depth - 10.0 (0.393)

(1) Total indicator runout (TIR).

Motor Dimensions (063 and 075 mm frame sizes)

Motor Cat. No.	AD mm (in.)	HD mm (in.)	LA mm (in.)	LD ⁽¹⁾ mm (in.)	LE ⁽¹⁾ mm (in.)	L ⁽¹⁾ mm (in.)	LB ⁽¹⁾ mm (in.)	L-LB ⁽²⁾ mm (in.)	D ⁽⁴⁾ mm (in.)	M mm (in.)	S ⁽³⁾ mm (in.)	N ⁽⁴⁾ mm (in.)	P mm (in.)	GE ⁽⁴⁾ mm (in.)	F ⁽⁴⁾ mm (in.)
VPL-A/B0631				100.2 (3.94)	60.3 (2.37)	143.1 (5.63)	123.1 (4.85)								
VPL-A/B0632	69.5 (2.74)	97.0 (3.82)	9.0 (0.35)	125.2 (4.93)	85.3 (3.36)	168.1 (6.61)	148.1 (5.83)	20.0 (0.787)	9.0 (0.354)	63.0 (2.480)	5.80 (0.234)	40.0 (1.575)	55.0 (2.17)	1.90 (0.075)	3.0 (0.118)
VPL-A/B0633				150.2 (5.91)	110.3 (4.34)	193.1 (7.59)	173.1 (6.81)								
VPL-A/B0751				102.0 (4.02)	62.1 (2.44)	147.9 (5.82)	124.9 (4.92)								
VPL-A/B0752	77.0 (3.03)	112.0 (4.41)	9.0 (0.35)	127.0 (5.00)	87.1 (3.43)	172.9 (6.80)	149.9 (5.90)	23.0 (0.906)	11.0 (0.433)	75.0 (2.953)	5.80 (0.234)	60.0 (2.362)	70.0 (2.76)	2.60 (0.102)	4.0 (0.157)
VPL-A/B0753				152.0 (5.98)	112.1 (4.41)	197.9 (7.79)	174.9 (6.89)								

(1) If ordering an VPL-A/B063xx or VPL-A/B075xx motor with brake, add 30.6 mm (1.20 in.) to dimension L, LB, LE, and LD.

(2) Tolerance for this dimension is ±0.7 mm (±0.028 in.).

(3) Tolerance for this dimension is +0.3, -0.0 mm (±0.006 in.).

(4) For keyway, shaft diameter, and pilot diameter tolerances, see the diagram.

Motors are designed to metric dimensions. Inch dimensions are approximate conversions from millimeters. Dimensions without tolerances are for reference. Dimensions are for reference only and should not be used for manufacturing purposes.