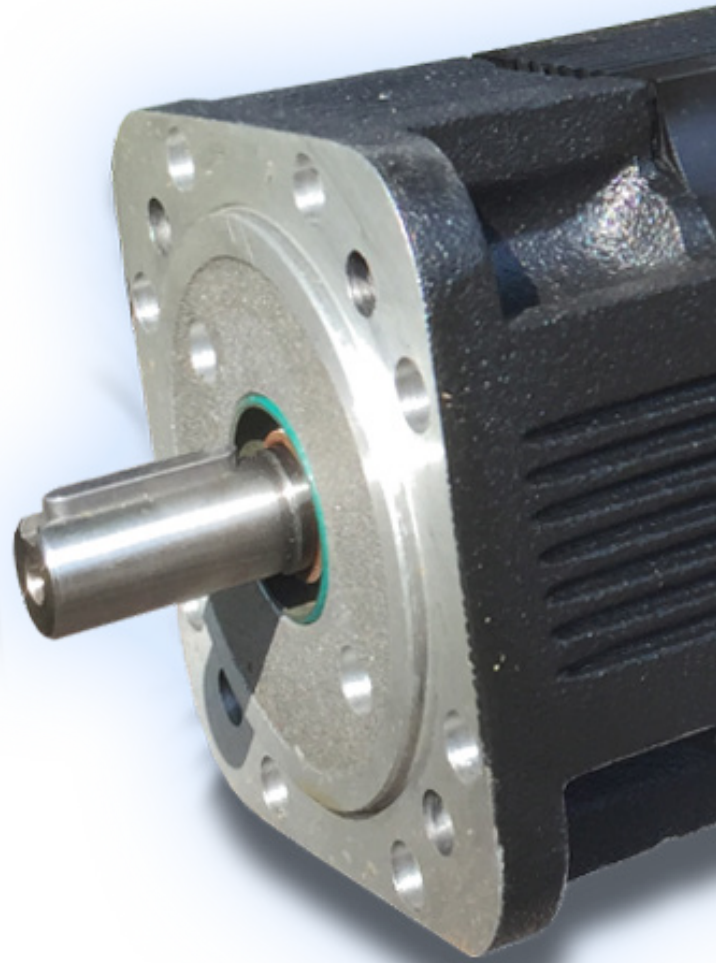


1326AB-SERIES MEDIUM INERTIA SERVO MOTORS

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AUTHORIZED REPLACEMENTS FOR
ROCKWELL AUTOMATION/ALLEN-BRADLEY
1326AB SERIES AC SERVO MOTORS

ELWOOD[®] HIGH PERFORMANCE
MOTORS
SERVOS - STEPPERS

ISO 9001
CERTIFIED COMPANY

Enabled by
**Rockwell
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ELWOOD 1326AB-SERIES SERVO MOTORS

FORM, FIT, FUNCTION REPLACEMENTS FOR 1326AB MOTORS FROM ROCKWELL AUTOMATION

- TRUE DROP-IN COMPATABILITY
- USE THE SAME MOTOR DATA FILES
- IDENTICAL WINDINGS AND INERTIA
- IDENTICAL MOUNTING & CONNECTORS
- NO SOFTWARE MODIFICATIONS
- NO HARDWARE MODIFICATIONS



1326AB-SERIES MOTOR DATA

	1326AB -	B410G	B410J	B420E	B420H	B430E	B430G
MECHANICAL DATA (1)							
Rated Torque, Cont (Stall)	Nm	2.7	2.7	5.0	5.1	6.6	6.4
Peak Torque (Stall)	Nm	8.1	8.1	14.9	14	19.7	17.2
Rated Current	A _{0-PK}	3.5	4.9	4.0	7.7	5.5	7.9
Rated Power	kW	1.0	1.4	1.1	2.2	1.5	2.3
Rated Voltage (Drive Supply)	V _{rms}	460	460	460	460	460	460
Rotor Moment of Inertia	kg-m ²	0.000433	0.000433	0.0008	0.0008	0.0010	0.0010
Rotor Moment of Inertia Brake Motors	kg-m ²	0.00054	0.00054	0.00091	0.00091	0.00111	0.00111
Motor Shipping Weight	kg	10.0	10.0	12.7	12.7	16.8	16.8
Motor Shipping Weight Brake Motors	kg	11.4	11.4	14.1	14.1	18.2	18.2
Max. Operating Speed	rpm	5000	7250	3000	6000	3000	5000
WINDING DATA (1)							
Poles		4	4	4	4	4	4
K _T , Sine Wave Torque Constant (2)	Nm/A _{0-PK}	0.94	0.62	1.43	0.71	1.41	0.95
K _E , Voltage Constant (4)	V _{0-PK} /kRPM	113.8	74.7	172.8	85.6	171.1	115.3
Winding Resistance Phase to Phase at 25±5°C	Ohms ±15%	12.6	5.8	12.6	3.1	7.1	3.4
Winding Inductance Phase to Phase	mH	73.0	28.6	69.8	17.2	40.2	18.2

	1326AB -	B515E	B515G	B520E	B520F	B530E
MECHANICAL DATA (1)						
Rated Torque, Cont (Stall)	Nm	10.4	10.4	13.0	13.1	18.0
Peak Torque (Stall)	Nm	31.2	31.2	39	39.3	54.2
Rated Current	A _{0-PK}	8.6	13.4	9.5	12.4	13.4
Rated Power	kW	2.3	2.9	2.9	2.9	4.2
Rated Voltage (Drive Supply)	V _{rms}	460	460	460	460	460
Rotor Moment of Inertia	kg-m ²	0.0043	0.0043	0.006	0.006	0.009
Rotor Moment of Inertia Brake Motors	kg-m ²	0.00460	0.0046	0.0063	0.0063	0.0093
Motor Shipping Weight	kg	21.3	21.3	27.7	27.7	34.5
Motor Shipping Weight Brake Motors	kg	25.4	25.4	31.8	31.8	38.6
Max. Operating Speed	rpm	3000	5000	3000	3500	3000
WINDING DATA (1)						
Poles		4	4	4	4	4
K _T , Sine Wave Torque Constant (2)	Nm/A _{0-PK}	1.45	0.887	1.65	1.24	1.6
K _E , Voltage Constant (4)	V _{0-PK} /kRPM	174.7	107.3	199	149.3	193.9
Winding Resistance Phase to Phase at 25±5°C	Ohms ±15%	3.3	2	3	1.7	1.6
Winding Inductance Phase to Phase	mH	28.6	10.8	27.6	15.2	16.4

	1326AB -	B720E	B720F	B730E	B740C	B740E
MECHANICAL DATA (1)						
Rated Torque, Cont (Stall)	Nm	30.9	31.8	39.0	53.0	50.0
Peak Torque (Stall)	Nm	88.1	56	85.4	126.8	79.4
Rated Current	A _{0-PK}	24.8	38.9	32.2	29.6	45.3
Rated Power	kW	6.8	11.7	9.6	8.7	12.7
Rated Voltage (Drive Supply)	V _{rms}	460	460	460	460	460
Rotor Moment of Inertia	kg-m ²	0.0150	0.0173	0.0254	0.0336	0.0336
Rotor Moment of Inertia Brake Motors	kg-m ²	0.01552	0.0178	0.0259	0.0341	0.0341
	lb-in-s ²	0.13736	0.15772	0.22941	0.30199	0.30199
Motor Shipping Weight	kg	46.3	62.6	62.6	77.1	77.1
Motor Shipping Weight Brake Motors	kg	52.2	52.2	68.5	83.0	83.0
Max. Operating Speed	rpm	3500	5000	3350	2200	3400
WINDING DATA (1)						
Poles		4	4	4	4	4
K _T , Sine Wave Torque Constant (2)	Nm/A _{0-PK}	1.47	0.962	1.48	2.26	1.5
K _E , Voltage Constant (4)	V _{0-PK} /kRPM	177.1	117.1	178.5	273.1	180.3
Winding Resistance Phase to Phase at 25±5°C	Ohms ±15%	0.7	0.3	0.4	0.6	0.3
Winding Inductance Phase to Phase	mH	8.7	4.2	6.6	11.4	4.6
Thermal Constant (Rth)	°C/W	3.3	3.6	3.6	3.6	3.6
Thermal Constant (Cth)	W-s/°C	1000	1000	1000	1000	1000
Dielectric Rating		Power Leads (R,S,T) to Ground: 1500 VAC 50/60 Hz for 1 minute.				

(1) Specifications are at 25°C unless noted. (3) Peak value of per phase square wave Amperes
 (2) Peak value of per phase sine wave Amperes (4) Volts 0-peak Line-Line / kRPM



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