

86 SERIES ELECTRIC ACTUATORS

MODEL		VB015M	VB030M	VB060M	VB110M	VB190M	VB270M	VB350M
MAX WORKING TORQUE (in-Lbs)		150	266	530	975	1680	2390	3100
NOMINAL VOLTAGE (V)	LOW VOLTAGE	12V AC/DC	12V AC/DC	12V AC/DC	12V AC/DC	12V AC/DC	12V AC/DC	12V AC/DC
		24V AC/DC	24V AC/DC	24V AC/DC	24V AC/DC	24V AC/DC	24V AC/DC	24V AC/DC
	MULTIVOLTAGE	100-240V AC	100-240V AC	100-240V AC	100-240V AC	100-240V AC	100-240V AC	100-240V AC
WORKING TIME (sec)		9	8	9	27	27	50	50
TORQUE LIMITER		STD	STD	STD	STD	STD	STD	STD
DUTY RATING	12V AC/DC	50%	50%	50%	50%	50%	50%	50%
	24V AC/DC	75%	75%	75%	75%	75%	75%	75%
	100-240V AC							
PROTECTION (IP rating/UL)		IP68/Type4x	IP68/Type4x	IP68/Type4x	IP68/Type4x	IP68/Type4x	IP68/Type4x	IP68/Type4x
APPROVALS		CE, UL & CSA	CE, UL & CSA	CE, UL & CSA	CE, UL & CSA	CE, UL & CSA	CE, UL & CSA	CE, UL & CSA
ENCLOSURE		Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
ROTATION		90°	90°	90°	90°	90°	90°	90°
MECHANICAL STOPS (only reg. 0-90°)		NO	NO	NO	STD	STD	STD	STD
MANUAL OVERRIDE		STD 0.39 in	STD 0.39 in	STD 0.39 in	STD with handwheel and power switch	STD with handwheel and power switch	STD with handwheel and power switch	STD with handwheel and power switch
DOME POSITION INDICATOR		STD	STD	STD	STD	STD	STD	STD
WORKING TEMPERATURE		-4°F + 131°F	-4°F + 131°F	-4°F + 131°F	-4°F + 131°F	-4°F + 131°F	-4°F + 131°F	-4°F + 131°F
HEATER		STD	STD	STD	STD	STD	STD	STD
ADDITIONAL LIMIT SWITCHES		n° STD (type SPDT)	n° STD (type SPDT)	n° STD (type SPDT)	n° STD (type SPDT)	n° STD (type SPDT)	n° STD (type SPDT)	n° STD (type SPDT)
ISO 5211 PATTERNS		F03-F05	F03-F05-F07	F07-F10	F07-F10	F07-F10	F07-F10	F07-F10
SQUARE DRIVE		11	11	14	17	17	22	22
SPECIAL SQUARE DRIVE (mm) UPON REQUEST		9-14	9-14	11-17	14-22	14-22	17	17
FAIL-SAFE OPERATION (BATTERY BACKUP)		UPON REQUEST	UPON REQUEST	UPON REQUEST	UPON REQUEST	UPON REQUEST	UPON REQUEST	UPON REQUEST
NOT AVAILABLE FOR 12V MOD								
STD (4-20mA or 0-10 VDC) REVERSE (20-4 mA or 10-0 VDC) MODE POSITIONER		UPON REQUEST	UPON REQUEST	UPON REQUEST	UPON REQUEST	UPON REQUEST	UPON REQUEST	UPON REQUEST
ROTARY POTENTIOMETER (5K Ω 1W)		UPON REQUEST	UPON REQUEST	UPON REQUEST	UPON REQUEST	UPON REQUEST	UPON REQUEST	UPON REQUEST
THREE POSITIONS		N/A	UPON REQUEST	UPON REQUEST	UPON REQUEST	UPON REQUEST	UPON REQUEST	UPON REQUEST
ELECTRIC CONDUITS		N°2 1/2" NPT	N°2 1/2" NPT	N°2 1/2" NPT	N°2 1/2" NPT	N°2 1/2" NPT	N°2 1/2" NPT	N°2 1/2" NPT
WEIGHT (Lbs.)		5.6	7.3	9.9	18.7	18.7	20.9	20.9

POWER CONSUMPTION												
MODEL		VB015M	VB030M	VB060M	VB110M	VB190M	VB270M	VB350M				
VERSION H	NOMINAL VOLTAGE	100-240V AC										
	ABSORBED CURRENT	0.22-0.12 A	0.4-0.2 A	0.6-0.3 A	0.4-0.2 A	0.6-0.3 A	0.6-0.3 A	0.75-0.4 A				
	ABSORBED POWER	22-28.8 VA	40-48 VA	60-72 VA	40-48 VA	60-72 VA	60-72 VA	75-96 VA				
VERSION L	NOMINAL VOLTAGE	12V AC/DC 24V AC/DC	12V AC/DC 24V AC/DC	12V AC/DC 24V AC/DC	12V AC/DC 24V AC/DC	12V AC/DC 24V AC/DC	12V AC/DC 24V AC/DC	12V AC/DC 24V AC/DC				
	ABSORBED CURRENT	1.9-1.1 A 0.8-0.5A	2.2-1.8 A 1-0.7 A	3.8-2.85 A 1.8-1.2 A	2.2-1.8 A 1-0.7 A	3.8-2.85 A 1.8-1.2 A	3.8-2.85 A 1.8-1.2 A	4.75-3.65 A 1.95-1.65 A				
	ABSORBED POWER	23-13.5 VA 10-12 VA	26.5-22 VA 24-17 VA	46-34 VA 43-29 VA	26.5-22 VA 24-17 VA	46-34 VA 43-29 VA	46-34 VA 43-29 VA	57-44 VA 47-40 VA				
FREQUENCY		50/60 HZ										