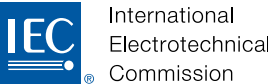


DOUBLE-FLANGED, C-FACE,
SPRING-SET MOTOR BRAKES

Available in IEC/Metric and NEMA frame motor options:



Use this chart to select the Brake and corresponding Rectifier for your IEC/Metric Mount motor.
REFER TO PAGE 1 FOR NEMA MOUNTING OPTIONS.

Motor Frame Size	Motor Flange	Motor Shaft Diameter	AC Voltage To Brake	Brake Model Number	Brake Rectifier Model
IEC 56 IEC 56 (5 Nm Static Torque)	B5 B14	9 mm 9 mm	24 VDC	41.358.05.24V.IEC56 (B5 or B14)	none
			115 VAC to 103 VDC	41.358.05.103V.IEC56 (B5 or B14)	45B5012-AUL51V
			230 VAC to 103 VDC	41.358.05.103V.IEC56 (B5 or B14)	45E5006-C1V
			230 VAC to 205 VDC	41.358.05.205V.IEC56 (B5 or B14)	45B5012-AUL51V
			460 VAC to 205 VDC	41.358.05.205V.IEC56 (B5 or B14)	45E5006-C1V
			575 VAC to 260 VDC	41.358.05.260V.IEC56 (B5 or B14)	45B/E6016-F3220V2
IEC 63 IEC 63 (5 Nm Static Torque)	B5 B14	11 mm 11 mm	24 VDC	41.358.06.24V.IEC63 (B5 or B14)	none
			115 VAC to 103 VDC	41.358.06.103V.IEC63 (B5 or B14)	45B5012-AUL51V
			230 VAC to 103 VDC	41.358.06.103V.IEC63 (B5 or B14)	45E5006-C1V
			230 VAC to 205 VDC	41.358.06.205V.IEC63 (B5 or B14)	45B5012-AUL51V
			460 VAC to 205 VDC	41.358.06.205V.IEC63 (B5 or B14)	45E5006-C1V
			575 VAC to 260 VDC	41.358.06.260V.IEC63 (B5 or B14)	45B/E6016-F3220V2
IEC 71 IEC 71 (10 Nm Static Torque)	B5 B14	14 mm 14 mm	24 VDC	41.358.08.24V.IEC71 (B5 or B14)	none
			115 VAC to 103 VDC	41.358.08.103V.IEC71 (B5 or B14)	45B5012-AUL51V
			230 VAC to 103 VDC	41.358.08.103V.IEC71 (B5 or B14)	45E5006-C1V
			230 VAC to 205 VDC	41.358.08.205V.IEC71 (B5 or B14)	45B5012-AUL51V
			460 VAC to 205 VDC	41.358.08.205V.IEC71 (B5 or B14)	45E5006-C1V
			575 VAC to 260 VDC	41.358.08.260V.IEC71 (B5 or B14)	45B/E6016-F3220V2
IEC 80 IEC 80 (20 Nm Static Torque)	B5 B14	19 mm 19 mm	24 VDC	41.358.10.24V.IEC80 (B5 or B14)	none
			115 VAC to 103 VDC	41.358.10.103V.IEC80 (B5 or B14)	45B5012-AUL51V
			230 VAC to 103 VDC	41.358.10.103V.IEC80 (B5 or B14)	45E5006-C1V
			230 VAC to 205 VDC	41.358.10.205V.IEC80 (B5 or B14)	45B5012-AUL51V
			460 VAC to 205 VDC	41.358.10.205V.IEC80 (B5 or B14)	45E5006-C1V
			575 VAC to 260 VDC	41.358.10.260V.IEC80 (B5 or B14)	45B/E6016-F3220V2
IEC 90 IEC 90 (30 Nm Static Torque)	B5 B14	24 mm 24 mm	24 VDC	41.358.11.24V.IEC90 (B5 or B14)	none
			115 VAC to 103 VDC	41.358.11.103V.IEC90 (B5 or B14)	45B5012-AUL51V
			230 VAC to 103 VDC	41.358.11.103V.IEC90 (B5 or B14)	45E5006-C1V
			230 VAC to 205 VDC	41.358.11.205V.IEC90 (B5 or B14)	45B5012-AUL51V
			460 VAC to 205 VDC	41.358.11.205V.IEC90 (B5 or B14)	45E5006-C1V
			575 VAC to 260 VDC	41.358.11.260V.IEC90 (B5 or B14)	45B/E6016-F3220V2
IEC 100 IEC 100 (48 Nm Static Torque)	B5 B14	28 mm 28 mm	24 VDC	41.358.12.24V.IEC100 (B5 or B14)	none
			230 VAC to 205 VDC	41.358.12.205V.IEC100 (B5 or B14)	45B5012-AUL51V
			460 VAC to 205 VDC	41.358.12.205V.IEC100 (B5 or B14)	45E5006-C1V
			575 VAC to 260 VDC	41.358.12.260V.IEC100 (B5 or B14)	45B/E6016-F3220V2
			24 VDC	41.358.14.24V.IEC112 (B5 or B14)	none
IEC 112 IEC 112 (78 Nm Static Torque)	B5 B14	28 mm 28 mm	230 VAC to 205 VDC	41.358.14.205V.IEC112 (B5 or B14)	45B5012-AUL51V
			460 VAC to 205 VDC	41.358.14.205V.IEC112 (B5 or B14)	45E5006-C1V
			575 VAC to 260 VDC	41.358.14.260V.IEC112 (B5 or B14)	45B/E6016-F3220V2
			24 VDC	41.358.16.24V.IEC32 (B5 or B14)	none
IEC 132 IEC 132 (125 Nm Static Torque)	B5 B14	38 mm 38 mm	230 VAC to 205 VDC	41.358.16.205V.IEC132 (B5 or B14)	45B5012-AUL51V
			460 VAC to 205 VDC	41.358.16.205V.IEC132 (B5 or B14)	45E5006-C1V
			575 VAC to 260 VDC	41.358.16.260V.IEC132 (B5 or B14)	45B/E6016-F3220V2
			24 VDC	41.358.18.24V.IEC160 (B5 or B14)	none
IEC 160 IEC 160 (180 Nm Static Torque)	B5 B14	42 mm 42 mm	230 VAC to 205 VDC	41.358.18.205V.IEC160 (B5 or B14)	45B5012-AUL51V
			460 VAC to 205 VDC	41.358.18.205V.IEC160 (B5 or B14)	45B/E5012-AUL5303V2
			575 VAC to 260 VDC	41.358.18.260V.IEC160 (B5 or B14)	45B/E6016-F3220V2
			24VDC	41.358.20.24V.IEC180B5	none
IEC 180 (325 Nm Static Torque)	B5	48 mm	230 VAC to 205 VDC	41.358.20.205V.IEC180B5	45B5012-AUL51V
			460 VAC to 205 VDC	41.358.20.205V.IEC180B5	45B/E5012-AUL5303V2
			575 VAC to 260 VDC	41.358.20.260V.IEC180B5	45B/E6016-F3220V2
			24 VDC	41.358.23.24V.IEC180B5	none
IEC 180 (375 Nm Static Torque)	B5	48 mm	230 VAC to 205 VDC	41.358.23.205V.IEC180B5	45B5012-AUL51V
			460 VAC to 205 VDC	41.358.23.205V.IEC180B5	45B/E5012-AUL5303V2
			575 VAC to 260 VDC	41.358.23.260V.IEC180B5	45B/E6016-F3220V2
			24 VDC	41.358.25.24V.IEC200B5	none
IEC 200 (480 Nm Static Torque)	B5	55 mm	230 VAC to 205 VDC	41.358.25.205V.IEC200B5	45B5012-AUL51V
			460 VAC to 205 VDC	41.358.25.205V.IEC200B5	45B/E5012-AUL5303V2
			575 VAC to 260 VDC	41.358.25.260V.IEC200B5	45B/E6016-F3220V2
			24 VDC	41.358.31.24V.IEC200B5	none
IEC 200 (720 Nm Static Torque)	B5	55 mm	230 VAC to 205 VDC	41.358.31.205VDC.IEC200B5	45B5012-AUL51V
			460 VAC to 205 VDC	41.358.31.205VDC.IEC200B5	45B/E5012-AUL5303V2
			575 VAC to 260 VDC	41.358.31.260VDC.IEC200B5	45B/E6016-F3220V2
			24 VDC	41.358.31.24V.IEC200B5	none

PRODUCT SELECTION GUIDE

DOUBLE-FLANGED, C-FACE, SPRING-SET MOTOR BRAKES

Available in IEC/Metric and NEMA frame motor options:



Use this chart to select the Brake and corresponding Rectifier for your NEMA Mount motor.
REFER TO PAGE 4 FOR IEC/METRIC MOUNTING OPTIONS.

Motor Frame Size	Motor Flange	Motor Shaft Diameter	AC Voltage To Brake	Brake Model Number	Brake Rectifier Model
NEMA 56C (4 ft.lb Static Torque)	C	5/8 inch	24 VDC	41.358.06.24V.NEMA56C	none
			115 VAC to 103 VDC	41.358.06.103V.NEMA56C	45B5012-AUL51V
			230 VAC to 103 VDC	41.358.06.103V.NEMA56C	45E5006-C1V
			230 VAC to 205 VDC	41.358.06.205V.NEMA56C	45B5012-AUL51V
			460 VAC to 205 VDC	41.358.06.205V.NEMA56C	45E5006-C1V
			575 VAC to 260 VDC	41.358.06.260V.NEMA56C	45B/E6016-F3220V2
NEMA 56 (8 ft.lb Static Torque)	C	5/8 inch	24 VDC	41.358.08.24V.NEMA56C	none
			115 VAC to 103 VDC	41.358.08.103V.NEMA56C	45B5012-AUL51V
			230 VAC to 103 VDC	41.358.08.103V.NEMA56C	45E5006-C1V
			230 VAC to 205 VDC	41.358.08.205V.NEMA56C	45B5012-AUL51V
			460 VAC to 205 VDC	41.358.08.205V.NEMA56C	45E5006-C1V
			575 VAC to 260 VDC	41.358.08.260V.NEMA56C	45B/E6016-F3220V2
NEMA143/145 (15 ft.lb Static Torque)	TC	7/8 inch	24 VDC	41.358.10.24V.NEMA145TC	none
			115 VAC to 103 VDC	41.358.10.103V.NEMA145C	45B5012-AUL51V
			230 VAC to 103 VDC	41.358.10.103V.NEMA145TC	45E5006-C1V
			230 VAC to 205 VDC	41.358.10.205V.NEMA145TC	45B5012-AUL51V
			460 VAC to 205 VDC	41.358.10.205V.NEMA145TC	45E5006-C1V
			575 VAC to 260 VDC	41.358.10.260V.NEMA145TC	45B/E6016-F3220V2
NEMA 182/184 (35 ft.lb Static Torque)	TC	1-1/8 inch	24 VDC	41.358.12.24V.NEMA182TC	none
			230 VAC to 205 VDC	41.358.12.205V.NEMA182TC	45B5012-AUL51V
			460 VAC to 205 VDC	41.358.12.205V.NEMA182TC	45E5006-C1V
			575 VAC to 260 VDC	41.358.12.260V.NEMA182TC	45B/E6016-F3220V2
NEMA 215TC (53 ft. lb Static Torque)	TC	5/8 inch	230 VAC to 205 VDC	41.358.14.205VDC.NEMA215TC	45B5012-AUL51V
			460 VAC to 205 VDC	41.358.14.205VDC.NEMA215TC	45E5006-C1V
NEMA 254/256TC (92 ft.lb Static Torque)	TC	1-5/8 inch	24 VDC	41.358.16.24V.NEMA254TC	none
			230 VAC to 205 VDC	41.358.16.205V.NEMA254TC	45B5012-AUL51V
			460 VAC to 205 VDC	41.358.16.205V.NEMA254TC	45E5006-C1V
			575 VAC to 260 VDC	41.358.16.260V.NEMA254TC	45B/E6016-F3220V2
NEMA 284/286 (240 ft.lb. Static Torque)	TC	1-7/8 inch	24 VDC	41.358.20.24V.NEMA286TC	none
			230 VAC to 205 VDC	41.358.20.205V.NEMA286TC	45B5012-AUL51V
			460 VAC to 205 VDC	41.358.20.205V.NEMA286TC	45B/E5012-AUL5303V2
			575 VAC to 260 VDC	41.358.20.260V.NEMA286TC	45B/E6016-F3220V2
NEMA 284/286 (317 ft.lb. Static Torque)	TC	1-7/8 inch	24 VDC	41.358.23.24V.NEMA286TC	none
			230 VAC to 205 VDC	41.358.23.205V.NEMA286TC	45B5012-AUL51V
			460 VAC to 205 VDC	41.358.23.205V.NEMA286TC	45B/E5012-AUL5303V2
			575 VAC to 260 VDC	41.358.23.260V.NEMA286TC	45B/E6016-F3220V2
NEMA 324/326 (354 ft.lb Static Torque)	TC	2-1/8 inch	24 VDC	41.358.25.24V.NEMA324TC	none
			230 VAC to 205 VDC	41.358.25.205V.NEMA324TC	45B5012-AUL51V
			460 VAC to 205 VDC	41.358.25.205V.NEMA324TC	45B/E5012-AUL5303V2
			575 VAC to 260 VDC	41.358.25.260V.NEMA324TC	45B/E6016-F3220V2
NEMA 364/365 (531 ft.lb Static Torque)	TC	2-3/8 inch	24 VDC	41.358.31.24V.NEMA364TC	none
			230 VAC to 205 VDC	41.358.31.205V.NEMA364TC	45B5012-AUL51V
			460 VAC to 205 VDC	41.358.31.205V.NEMA364TC	45B/E5012-AUL5303V2
			575 VAC to 260 VDC	41.358.31.260V.NEMA364TC	45B/E6016-F3220V2



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DOUBLE-FLANGED, C-FACE, SPRING-SET MOTOR BRAKES

These simple, flexible modular flange mount braking systems are available in IEC/Metric and NEMA Frame Motor Options.



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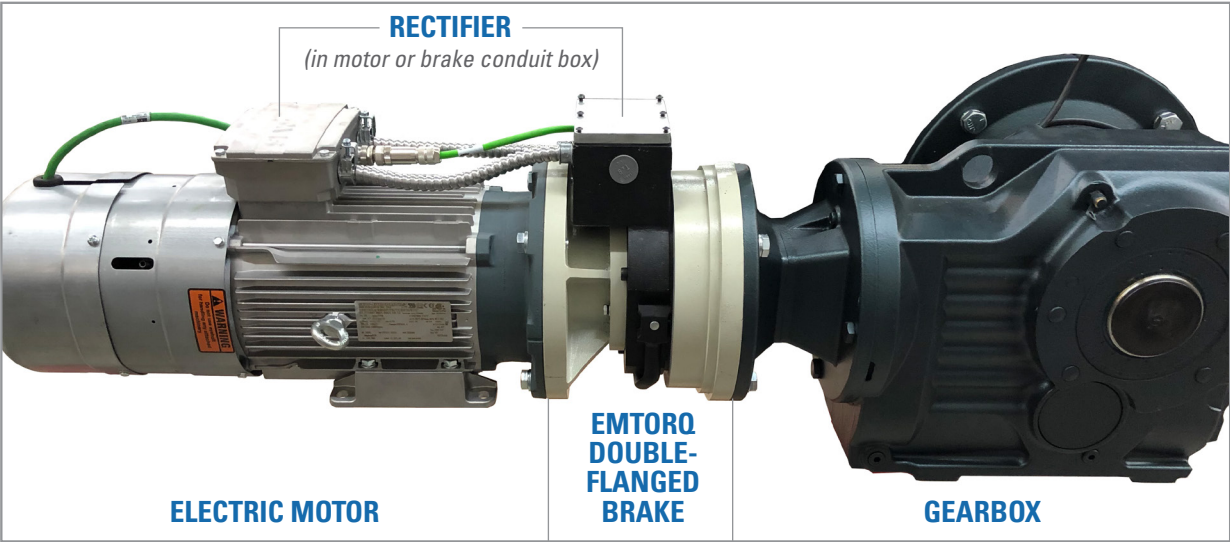


CHOOSING THE CORRECT MOTOR BRAKE REQUIRES THE FOLLOWING:

- a. Motor hp/kW and voltage
- b. Motor frame/flange size
- c. Gearbox frame/flange size
- d. Brake coil voltage (based on rectifier AC input/ DC output voltage)

FOR EXAMPLE: the Motor is 3 hp 460 VAC, 182TC frame/flange, gearbox is 182TC frame/flange, based on 460 VAC input to the rectifier the brake coil voltage is 205 VDC.

The corresponding part number is: **41.358.12.205V.NEMA182TC**



Actual photo of EMTorq application on metal sheet vertical storage equipment

EMTORQ CONFIGURATOR FOR 41.358 SERIES BRAKES

Use the charts below to configure the correct brake model to meet your application.

Model No. = 41.358 + Brake Size + VDC + Frame Size [NEMA or IEC]

41.358 . XX . XXXV . NEMA/IEC . XXXXX

Brake Size	Voltage (VDC)	Brake Size	MOTOR FRAME SIZE (Choose NEMA or IEC)		
05	24	05	N/A	IEC56 B5	IEC56 B14
06	103	06	NEMA56C	IEC63 B5	IEC63 B14
08	205	08	NEMA56C/145TC	IEC71 B5	IEC71 B14
10	260	10	NEMA145TC	IEC80 B5	IEC80 B14
11		11		IEC90 B5	IEC90 B14
12		12	NEMA182TC	IEC100 B5	IEC100 B14
14		14	NEMA215TC	IEC112 B5	IEC112 B14
16		16	NEMA254TC	IEC132 B5	IEC132 B14
18		18	N/A	IEC160 B5	IEC160 B14
20		20		IEC180 B5	
23		23	NEMA286TC	IEC180 B5	
25		25	NEMA324TC	IEC200 B5	
31		31	NEMA365TC	IEC200 B5	

DESIGN F BRAKE RECTIFIER with fast engagement & fast dropout capabilities

Model Number: 45B/E6016-F3220V2

This DC voltage supply provides for an amazingly fast engaging and disengaging time for the connected DC brake. For disengagement, the control provides, for an adjustable period, a high voltage output, then the voltage is reduced to a continuous holding voltage. When switching off, the control has a built-in relay which drops the output voltage extremely fast allowing the DC brake to be applied very quickly. To achieve these fast engaging and disengaging times it is only necessary to switch the AC input, since the built-in relay provides for the DC switching.

Input voltage: (Vn) up to 600VAC
Output voltage: Half wave Vn x 0.45VDC
Full wave Vn x 0.9VDC

Output current: 1.6 amps

Overexcitation period is adjustable from 100 msec to 2 full seconds.



Design F: L x W x H = 114 x 45 x 108 mm



Design C: L x W x H = 58 x 23 x 20 mm

DESIGN C BASIC HALF WAVE BRAKE RECTIFIER

Model Number: 45E5006-C1V

Input voltage: (Vn) up to 500VAC
Output voltage: Half wave Vn x 0.45VDC
Output current: 1.6 amps



Design AUL5: L x W x H = 73,50 x 47 x 19 mm

DESIGN AUL5 BASIC FULL WAVE BRAKE RECTIFIER

Model Number: 45B5012-AUL51V

Input voltage: (Vn) up to 500VAC
Output voltage: Half wave Vn x 0.45VDC
Full wave Vn x 0.9VDC
Output current: 1.2 amps



Design AUL5: L x W x H = 73.50 x 47 x 19 mm

DESIGN AUL5 BRAKE RECTIFIER WITH OVER EXCITATION CAPABILITIES

This rectifier provides over excitation from a 460 VAC input to a 205 VDC output for 30 msec after switch. This provides a fast disengagement time.

Model Number: 45B/E5012-AUL5303V2

Input voltage: (Vn) up to 500VAC
Output voltage: Half wave Vn x 0.45VDC Continuous
Full wave Vn x 0.9VDC over excitation voltage
Output current: 1.2 amps

FOR ALL 4 DESIGN MODELS

Terminal: Screw type 10 mm spacing
Mounting: Screws, adhesive or DIN rail

For fast engagement switch AC and DC side simultaneously.
Caution, remove jumper when using the optional contact for switching.