

AC Magnetic Starters (GE)

Description of Operation

With Local or Remote Start-Stop Selector Switch (LVR) Control

Starting	Turning the selector switch to START energizes "M" and starts the motor.
Stopping	The motor will be stopped by (1) Turning the selector switch to STOP, by (2) An overload which trips OL, and by (3) Loss of, or low line voltage (LVR).
Restarting	The motor will be restarted after (1) Turning the selector switch to START, after (2) Pressing the "OL" reset button, and after (3) The return to normal line voltage.

Size of Starter	Catalog Number
-----------------	----------------

With Local Pushbuttons

0	139B2810G1S2
1	139B2811G1S2
2	139B2812G1S2
3	139B2813G1S2

With Remote Pushbuttons

0	139B6357G1S2
1	149B2103G1S7
2	187B6165G1S2
3	194B8503G1S2

Size of Starter	Catalog Number
-----------------	----------------

With Local Selector Switch

0	157B2115G1S2
1	194B8502G1S2
2	194B8510G1S2
3	194B8504G1S2

With Remote Selector Switch

0	194B8505G1S2
1	194B8506G1S2
2	194B8507G1S2
3	194B8508G1S2

Description	Catalog Number
-------------	----------------

Nonreversing	Dripproof	IC5130B
	Watertight	IC5130D
Reversing	Dripproof	IC5131B
	Watertight	IC5131D

AC Magnetic Starters (GE)

Type IC5900

Description of Operation

With Local (And Provisions for Remote) Start-Stop Pushbutton (LVP) Control

Starting Pressing the START pushbutton energizes "M" and starts the motor.

Stopping The motor will be stopped by (1) Pressing the STOP pushbutton, by (2) An overload which trips OL, and by (3) Loss of, or low line voltage (LVR).

Restarting The motor will be restarted after (1) Pressing the START pushbutton, after (2) Pressing the "OL" reset button and then pressing the START pushbutton, and after (3) Pressing the START pushbutton after the return to normal line voltage.

Size of Starter	Catalog Number
0	139B2816G1S2
1	139B2817G1S2
2	139B2818G1S2
3	139B8509G1S2

Controllers for Life Boat Winches

Size	Max. Motor Hp (440 Volts)
0	1
1	5
2	15
3	30
4	60
5	150
6	300

NOTE: Controllers are designed to meet Specification MIL-D-17762. Includes main contactor in addition to reversing contactors.

Size	Max. Motor HP Rating		Continuous Current Rating Amps
	115 Volts	440 Volts	
Single-speed			
0	2	5	18
1	3	10	27
2	7.5	25	45
3	1.5	50	90
4*	25	100	135
5*	–	200	270
6*	–	400	540
Two-speed, One-winding, Constant-torque, Variable-torque, or Constant-horsepower (Max Hp rating for constant-horsepower motors shown in parentheses).			
0	2 (1)	5 (3)	18
1	3 (2)	10 (7.5)	27
2	7.5 (–)	25 (20)	45
3	15 (–)	50 (40)	90
4*	25 (–)	100 (75)	135
Two-speed, Two-winding, Constant-torque, Variable-torque, or Constant-horsepower (Max Hp rating for constant-horsepower motors shown in parentheses).			
0	2 (1)	5 (3)	18
1	3 (2)	10 (7.5)	27
2	7.5 (–)	25 (20)	45
3	15 (–)	50 (40)	90
4*	25 (–)	100 (75)	135

* Select induction type overload relay if third O/L required.

Contactors Panels

Size	Continuous Current Rating Amps (600 Volts Max.)	
	Heater Load	Tungsten Lighting
0	18	10
1	27	15
2	45	30
3	90	60
4	135	120
5	270	180
6	540	–

NOTE: Construction same as single-speed, full-voltage, nonreversing starter except for omission of overload relay.

AC Magnetic Starters (GE)

Dripproof Starters (Dimensions and Weights)

Size	Mounting	Dimensions in Inches						Approx. Weight in Lbs.	
		Nonreversing			Reversing			Nonreversing	Reversing
		Height	Width	Depth	Height	Width	Depth		
Across-the-line, Single-speed									
0	BHD	14	7.75	7.38	22	7.75	7.38	25	40
1	BHD	14	7.75	7.38	22	7.75	7.38	25	40
2	BHD	14	7.75	7.38	22	7.75	7.38	28	48
3	BHD	17	8.88	9	28	8.88	9.13	45	75
4	BHD	18	14	10	20	18	10	80	110
5	BHD	30	22	12	30	24	12	150	210
6	BHD	30	22	14	30	24	14	170	250
Across-the-line, Two-speed									
0	BHD	22	7.75	7.38	22	18	8	40	75
1	BHD	22	7.75	7.38	22	18	8	40	75
2	BHD	22	7.75	7.38	22	18	8	48	100
3	BHD	28	8.88	8	36	24	10	75	195
4	BHD	20	18	10	36	24	10	110	210
Reduced-voltage, Single-speed									
2	BHD	30	24	10	–	–	–	200	–
3	BHD	36	24	12	–	–	–	265	–
4	BHD	36	24	12	–	–	–	325	–
5	Deck	50	30	20	–	–	–	685	–
6	Deck	70	30	20	–	–	–	1100	–

Contactors Panels

Size	Continuous Current Rating Amps (600 Volts Max.) (440 Volts)
0	1
1	5
2	15
3	30
4	60
5	150
6	300

NOTE: Construction same as single-speed, full-voltage, nonreversing starter except for omission of overload protection.

Size of Starter	Catalog Number
0	139B2816G1S2
1	139B2817G1S2
2	139B2818G1S2
3	139B8509G1S2

AC Magnetic Starters (WL)

Size Starter	Max. Motor Hp (3 Ph. 60 Hz)		Non-reversing		Reversing	
	115 V	440 V	Dripproof	Watertight	Dripproof	Watertight
			Catalog Number*			
Across-the-line, Single-speed						
0	2	5	4010-3801-	4010-3401-	4210-3801-	4210-3401-
1	3	10	4011-3801-	4011-3401-	4211-3801-	4211-3401-
2	7.5	25	4012-3801-	4012-3401-	4212-3801-	4212-3401-
3	15	50	4013-3801-	4013-3401-	4213-3801-	4213-3401-
4	25	100	4014-3801-	4014-3401-	4214-3801-	4214-3401-
5	–	200	4015-3801-	4015-3401-	4215-3801-	4215-3401-
6	–	400	4016-3801-	4016-3401-	4216-3801-	4216-3401-
Across-the-line, Two-speed, One Winding Constant or Variable Torque						
0	2	5	4310-1801-	4310-1401-	4910-1801-	4910-1401-
1	3	10	4311-1801-	4311-1401-	4911-1801-	4911-1401-
2	7.5	25	4312-1801-	4312-1401-	4912-1801-	4912-1401-
3	15	50	4313-1801-	4313-1401-	4913-1801-	4913-1401-
4	25	100	4314-1801-	4314-1401-	4914-1801-	4914-1401-
5	–	200	4315-1801-	4315-1401-	4915-1801-	4915-1401-
6	–	400	4316-1801-	4316-1401-	4916-1801-	4916-1401-
Across-the-line, Two-speed, One Winding Constant or Variable Torque						
0	2	5	4310-2802-	4310-2402-	4910-2802-	4910-2402-
1	3	10	4311-2802-	4311-2402-	4911-2802-	4911-2402-
2	7.5	25	4312-2802-	4312-2402-	4912-2802-	4912-2402-
3	15	50	4313-2802-	4313-2402-	4913-2802-	4913-2402-
4	25	100	4314-2802-	4314-2402-	4914-2802-	4914-2402-
5	–	200	4315-2802-	4315-2402-	4915-2802-	4915-2402-
6	–	400	4316-2802-	4316-2402-	4916-2802-	4916-2402-

* For complete catalog number add coil soffice numbers from next page.

AC Magnetic Starters (WL)

Size Starter	Max. Motor Hp (3 Ph., 440 V, 60 Hz)	Nonreversing	
		Dripproof	Watertight
		Catalog Number*	
Reduced Voltage Autotransformer – Single-speed			
1	3	10	27
2	7.5	25	45
3	1.5	50	90
4*	25	100	135
5*	–	200	270
6*	–	400	540
Reduced Voltage Autotransformer – Two-speed, Two Winding Constant or Variable Torque			
1	3	10	27
2	7.5	25	45
3	1.5	50	90
4*	25	100	135
5*	–	200	270
6*	–	400	540
Reduced Voltage Autotransformer – Two-speed, One Winding Constant or Variable Torque			
1	3	10	27
2	7.5	25	45
3	1.5	50	90
4*	25	100	135
5*	–	200	270
6*	–	400	540

* For complete Catalog Number add coil suffix numbers from above table.

Coil Suffix Numbers

A.C. Volts (60 Hz)	Suffix Nos.
115	11
220	21
440	41



AC Control Centers



Across-the-Line Starters - Nonreversing, Single speed

Starter Size	Dripproof Enclosure Dimensions Approx. in Inches			Weight lbs.
	A	B	C	
0, 1, 2	8 1/2	13	7	18
3, 4	16	20	8	24
5, 6	17	34 3/8	10 1/4	105