

CONTROLLER CATALOG NUMBERS

The controller catalog number, located on the nameplate on the inside of the door, is coded to describe the configuration and options present. Use the grid on pages 10–11 to translate the catalog number into a description of the drive controller.

Class Type

8839	58M	.	.	.	.	.
①	②	③	④	⑤	⑥	

Modifications

Control	Light	Card	Misc.
.	.	.	.
⑦	⑧	⑨	⑩

① Product

Code	Drive Type
58M	ALTIVAR 58M Controller

② Horsepower Code

Code	hp Rating	Code	hp Rating
C	1	Q	60 (460 V only)
D	2	R	75 (460 V only)
E	3	S	100 (460 V only, VT only)
F	5	T	125 (460 V only, VT only)
G	7.5	U	150 (460 V only, VT only)
H	10	W	200 (460 V only, VT only)
J	15	X	250 (460 V only, VT only)
K	20	Y	300 (460 V only, VT only)
L	25	Z	350 (460 V only, VT only)
M	30	4	400 (460 V only, VT only)
N	40	5	450 (460 V only, VT only)
P	50	6	500 (460 V only, VT only)

③ Enclosure Type

Code	Environment Rating
A	Type 12
G	Type 1
B	Type 1G

④ Voltage Rating

Code	Voltage
2	208 V
3	230 V
4	460 V

⑤ Application Type

Code	Applied Rating
V	Variable Torque
C	Constant Torque

⑥ Device Type

Code	Power Circuit
W ^[1]	Without Bypass
Y ^[2]	Bypass

- [1] Line contactor B10 is not compatible with this option.
- [2] Includes AFC/Off/Bypass switch and Test/Normal switch.
- [3] All controls are mutually exclusive. Select only one.
- [4] The Hand-Off-Auto switch can be set to the Off position for AFC fault reset.
- [5] Supplied as the default.
- [6] Control option C07 is not compatible with bypass or any light cluster except C08.
- [7] Only available without bypass.
- [8] Only available with a communication card. This option is the default control option supplied when a communication option is selected.
- [9] Light clusters are mutually exclusive. Select only one.
- [10] Not available with option C07 or D07.
- [11] Only available with bypass.
- [12] Light cluster B08 is not compatible without bypass.
- [13] Only available with option C07 and non-bypass.
- [14] Only available with option D07.
- [15] Only available with option A07, B07, or E07.
- [16] Only available with option F07.

- [17] Select only one option card.
- [18] Must use option F07 for control.
- [19] Provided with 24 V power supply. Mutually exclusive with option Z10.
- [20] Line contactor is not standard with bypass. It can be selected if bypass is also selected. Without bypass option B10, requires order engineering.
- [21] C10 is not compatible with C07, D07, or J10.
- [22] User must buy separate device to program the controller.
- [23] Smoke purge relay E10 permits the motor to run at full speed.
- [24] J10 is not compatible with C07, D07, or C10.
- [25] Available only when pilot lights are selected.
- [26] Not available on power on light.
- [27] Not available without bypass.
- [28] Not available with option B07, C07, or D07.
- [29] With options U10 and V10 you must select option 110.
- [30] Supplied with illuminated reset push button.
- [31] Not available with 1, 2, or 3 hp controllers. Not available with line reactor A10.

⑦ Control Option ^[3]

Code	AFC Controls	Code	AFC Controls
A07 ^{[4], [5]}	Hand/Off/Auto, Speed Potentiometer	D07 ^[7]	Stop/Start, Forward/Reverse, Speed Potentiometer
B07 ^[4]	Hand/Off/Auto, Start/Stop, Speed Potentiometer	E07 ^[4]	Hand/Off/Auto, Local/Remote, Speed Potentiometer
C07 ^{[6], [7]}	Start/Stop, Speed Potentiometer	F07 ^[8]	Communication/Auto/Off/Hand, Speed Potentiometer

⑧ Light Option ^[9]

Code	Light Cluster	Code	Light Cluster	Code	Light Cluster
A08 ^[10]	Red Power On	C08 ^{[7], [13]}	Red Power On	E08 ^[15]	Red Power On
	Green AFC Run		Green AFC Run		Green AFC Run
	Yellow AFC Fault		Yellow AFC Fault		Yellow AFC Fault
	Yellow Auto		Red Power On		Blue Hand
B08 ^{[11], [12], [10]}	Red Power On	D08 ^{[7], [14]}	Yellow AFC Fault	F08 ^[16]	Yellow Auto
	Green AFC Run		Green Run Forward		Red Power On
	Yellow AFC Fault		Green Run Reverse		Green AFC Run
	Yellow Bypass				Yellow AFC Fault
					Yellow Communication

⑨ Option Cards ^[17]

Code	Feature	Code	Feature
A09 ^[18]	Modbus Plus	E09 ^{[18], [19]}	LONWORKS Gateway
B09 ^[18]	Modbus / Unitelway	F09 ^[18]	DeviceNet
C09 ^[18]	Metasys N2	H09	Analog card: adds 1 additional analog output, 2 additional logic inputs, 1 additional logic output, and 1 differential analog input.
D09 ^[18]	Ethernet		

⑩ Miscellaneous Options

Code	Feature	Code	Feature
A10	Line Reactor nominal 5% impedance	R10 ^{[27], [28]}	Auto Transfer to Bypass
B10 ^[20]	Line Contactor	S10	Motor Elapsed Time Meter
C10 ^[21]	3–15 psi Transducer	T10 ^[10]	Emergency Stop
D10 ^[22]	Omit Keypad	U10 ^[29]	Motor Space Heater Sequencing
E10 ^[23]	Smoke Purge Relay	V10 ^[29]	Seal Water Solenoid
G10	cUL Listing	W10 ^[30]	Check Valve Sequencing
H10	Seismic Certification (Floor Mounted Enclosures)	Z10	24 Vdc Power Supply
J10 ^[24]	0–10 Vdc Auto Speed Reference	110 ^[29]	Additional Control Power VA
K10	Additional N.O. Auxiliary Drive Run Contact	310	Order engineered (internal use only)
L10	Additional N.C. Auxiliary Drive Fault Contact	410	RFI Suppressor
M10 ^[11]	1 N.O. Auxiliary Bypass Run Contact	510	Permanent Wire Marker Sleeves
O10 ^{[10], [15]}	1 N.O. Auxiliary Auto Mode Contact	610	I.D. Engraved Nameplates
P10 ^[13]	AFC Fault Reset	710 ^[31]	Harmonic Filter Provisions
Q10 ^{[25], [26]}	Push-To-Test Pilot Lights	910 ^{[1], [11]}	Barriered Bypass Enclosure