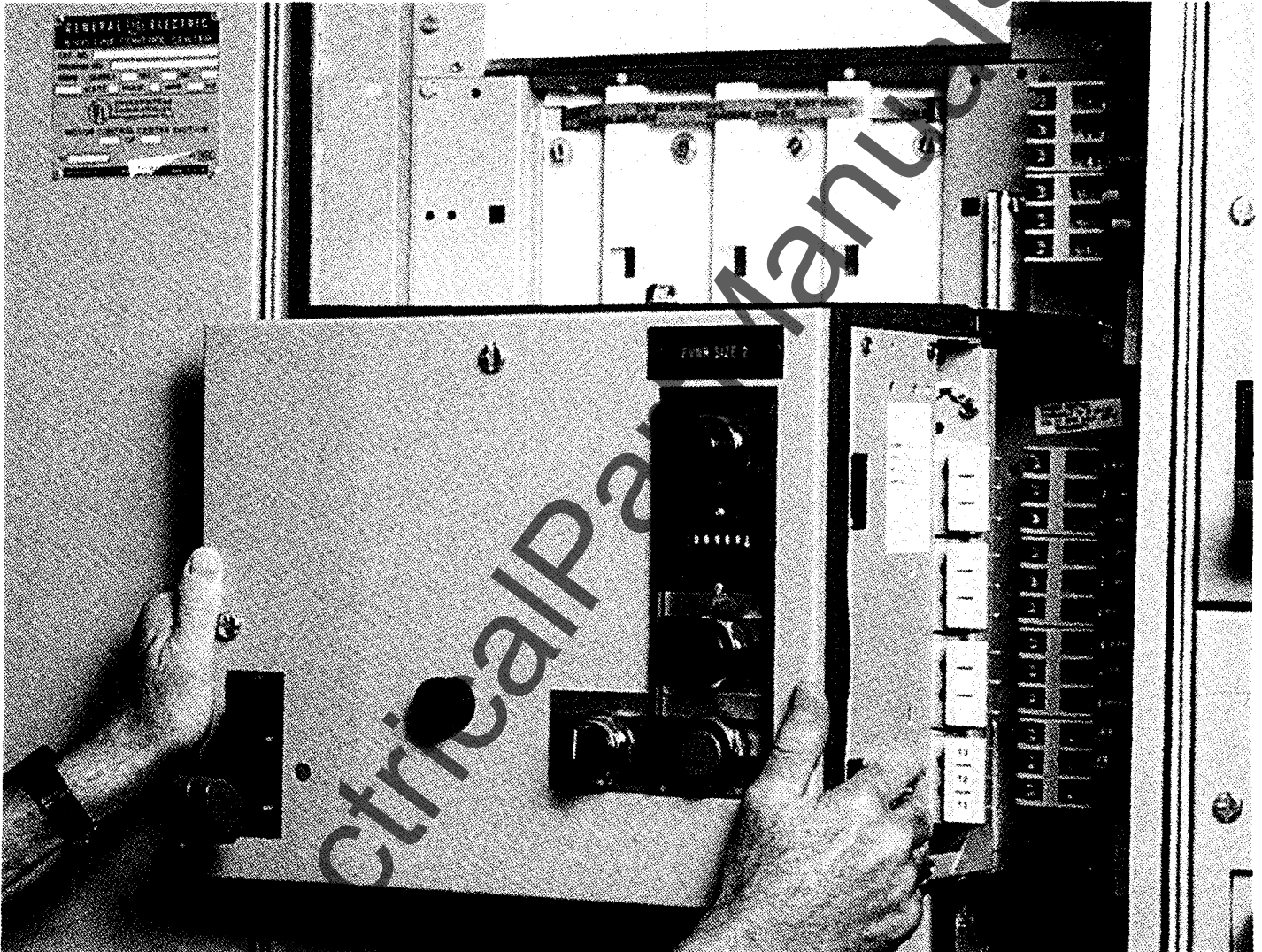




## **GE Fastrac™ MCC Units Program 8000 Line Starters & Feeders**



### **Quick Selection Guide**

**This Quick Selection Guide covers 8000 Line motor control center starters and feeders, including full and reduced voltage, reversing and non-reversing, single- and two-speed windings, in sizes 1-5. For other units, see the Engineered Products Catalog, Section 10.**



# Quick Selection Guide

## 8000 Line Motor Control Starter Units

For each of the following steps, find the option — starter type, size, disconnect, control power, pilot lights, etc. — that meets the need. Transfer the corresponding catalog number digit(s) to the catalog number box(es) and the price, if applicable, to the appropriate price box.

When you have finished, you will have built a complete catalog number and established the price elements that add up to the complete list price, GO-100MZ.

Fax or phone your order to us. We will build and ship your motor control starter unit. Units highlighted in blue will be shipped within five days; others within two weeks.

### 1 Select Starter Type and Size

Find the starter type required. Transfer the catalog number digits to the boxes marked 1 in the catalog number line and the price to the box marked 1 in the price line.

Starter Type	Size	Cat. No. Digits	Price
FVNR	1	A1	2000
	2	A2	2200
	3	A3	3800
	4	A4	5100
	5	A5	8400
FVR	1	B1	2900
	2	B2	3950
	3	B3	5750
	4	B4	7250
2S1W	1	C1	3750
	2	C2	5035
	3	C3	6970
	4	C4	8915
2S2W	1	D1	3300
	2	D2	4485
	3	D3	6220
	4	D4	7595
RVNR	2	E2	8285
	3	E3	10545
	4	E4	12150
	5	E5	17960

### 2 Select Starter Disconnect

Use the first table to identify desired disconnect device. (Note that these are for basic applications; see publication GEP-6728 for more information.) Then, from the second table select starter disconnect. Transfer the catalog number digit to the box marked 2 in the catalog number line and the price to the box marked 2 in the price line.

Starter	Mag Only Circuit Size	Thermal Mag Circuit Breaker	Short-Circuit Rating		
			250V	460V	575V
1,2,3	TEC	THED	25	25	22
	TEML	TEL	100	100	-
	TECL	-	100	100	100
4	TEC	-	25	25	18
	TEML	TEL	100	100	-
	TEML	TB4	100	100	100
	TBC4	TB4	100	100	100
5	TJC	TJK	35	30	22
	TBC4	TB4	100	100	100

Disconnect Device	Cat. No. Digit	Price by Starter Size				
		1	2	3	4	5
THEO	B	235	310	150	-	-
TECL	C	770	850	730	780	-
TEL	D	770	850	730	-	-
TEML	E	770	850	730	780	-
QMR*	F	125	175	575	1075	2115
THLC1	J	850	925	925	-	-
THLC2	K	-	-	-	1170	-
TJK	L	-	-	-	-	455
TEC	M	345	405	235	160	-
TBC4	N	-	-	-	-	170
TB4	P	-	-	-	-	3635
TJC	Q	-	-	-	-	170

\*QMR with class R fuse

### 3 Select Control Power

Standard control power transformer (CPT) ratings are adequate to handle the starter-coil current and three pilot lights. If additional burdens are expected, larger transformers should be specified from among those shown in the first table below. From the second table below, select the control power desired. Transfer the catalog number digit to the box marked 3 in the catalog number line and the price to the box marked 3 in the price line.

Starter Type and Size	CPT Std. VA	CPT Max. VA
All Size 1	60	150
All Size 2	100	150
All Size 3 except RVNR and 2S1W	200	300
All Size 4 except RVNR	250	300
Size 3 and 4 RVNR	60	300
All Size 5	60	300
Size 3 2S1W	200	300

Control Power (120Vac)	Cat. No. Digit	Price by Starter Size				
		1	2	3	4	5
Std. CPT	1	370	390	415	430	585
1 Step Oversize	2	390	400	430	450	595
Max. CPT	3	415	400	450	450	655
Line-to-Line <sup>1</sup>	4	145	145	145	145	145
Common/Separate Source <sup>2</sup>	5	225	225	225	225	225

<sup>1</sup>No CPT required. Includes wiring from line side of contactor to fuse block with 2 primary fuses.

<sup>2</sup>Control power from external source. Includes 1 current limiting fuse wired in series with aux. disconnect switch to T.B.

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### 4 Select Pilot Devices

Select pilot devices desired by starter type. Transfer the catalog number digits to the boxes marked 4 in the catalog number line and the price to the box marked 4 in the price line.

Starter Type	Pilot Device	Cat. No. Digits	Price
FVNR & RVNR	NONE	NN	0
	RED LGT STD	AE	155
	RED LGT PUSH-TO-TEST (PTT)	AF	250
	RED/GREEN LGT STD	AS	310
	RED/GREEN LGT PTT	AT	500
	HAND/OFF/AUTO (H/O/A) SW.	AN	175
	H/O/A SW. RED LGT STD	AB	330
	H/O/A SW. RED LGT PTT	AP	425
	H/O/A SW. R/G LGT STD	AC	485
	H/O/A SW. R/G LGT PTT	AQ	675
	H/O/A STOP/START RED LGT STD	AD	475
	H/O/A STOP/START RED LGT PTT	AR	570
	STOP/START PB	BN	145
	STOP/START PB RED LGT STD	BB	300
	STOP/START PB RED LGT PTT	BP	395
	STOP/START PB R/G LGT STD	BC	455
	STOP/START PB R/G LGT PTT	BQ	645
	OFF/DN SW.	GN	120
	OFF/DN SW. RED LGT STD	GB	275
	OFF/DN SW. RED LGT PTT	GP	370
OFF/DN SW. R/G LGT STD	GC	430	
OFF/DN SW. R/G LGT PTT	GQ	620	
FVR	FWD/REV/STOP PB	CN	215
	FWD/REV/STOP PB R/A LGT STD	CB	585
	FWD/REV/STOP PB R/A LGT PTT	CP	715
	FWD/REV/STOP PB R/G/A LGT STD	CC	740
	FWD/REV/STOP PB R/G/A LGT PTT	CQ	965
	FWD/OFF/REV SW	DN	175
	FWD/OFF/REV SW RED LGT STD	DB	330
	FWD/OFF/REV SW RED LGT PTT	DP	425
	FWD/OFF/REV SW R/G LGT STD	DC	485
	FWD/OFF/REV SW R/G LGT PTT	DQ	675
2S1W & 2S2W	FAST/SLOW/STOP PB	EN	215
	FAST/SLOW/STOP PB R/A LGT STD	EB	525
	FAST/SLOW/STOP PB R/A LGT PTT	EP	715
	FAST/SLOW/STOP R/A/G LGT STD	EC	680
	FAST/SLOW/STOP R/A/G LGT PTT	EQ	965
	FAST/SLOW/OFF/AUTO (F/S/O/A) SW.	FN	225
	F/S/O/A SW. R/A LGT STD	FB	535
	F/S/O/A SW. R/A LGT PTT	FP	725
	F/S/O/A SW. R/A/G LGT STD	FC	690
	F/S/O/A SW. R/A/G LGT PTT	FQ	975

### 5 Select Overload Relay

Select overload relay type. Transfer the catalog number digit to the box marked 5 in the catalog number line and the price to the box marked 5 in the price line.

Relay Type	Cat. No. Digit	Price
Standard	1	120
Ambient Compensated	2	155

### 6 Select Control Disconnect Terminal Board

Select control disconnect terminal board. Transfer the catalog number digit to the box marked 6 in the catalog number line and the price to the box marked 6 in the price line.

	Cat. No. Digit	Price
With Disconnect	Y	50
Without Disconnect	N	0

### 7 Select Horsepower

Select horsepower. Transfer the catalog number digits to the boxes marked 7 in the catalog number line. Note that some catalog number digits consist of a decimal point. There is no price component to horsepower selection.

Horsepower	Cat. No. Digits
1/4	.25
1/3	.33
3/8	.38
1/2	.50
3/4	.75
1	001
1 1/2	1.5
2	002
3	003
5	005
7 1/2	7.5
10	010

Horsepower	Cat. No. Digits
15	015
20	020
25	025
30	030
40	040
50	050
60	060
75	075
100	100
125	125
150	150
200	200

### 8 Select System Voltage

Select system voltage. Transfer the catalog number digit to the box marked 8 in the catalog number line. There is no price component to system voltage selection.

Voltage	Cat. No. Digit
480V 60 Hz	A
208V 60 Hz	B
240V 60 Hz	C
575V 60 Hz	D
380V 50 Hz	E

Starter Catalog Number **M** 1 2 3 4 5 6 7 8

Starter units in blue shaded areas are shipped within five days; others are shipped within two weeks.

List Price, GO-100MZ

1 \$  + 2 \$  + 3 \$  + 4 \$  + 5 \$  + 6 \$  + 7 \$  + 8 \$  = Total \$



# Quick Selection Guide

## 8000 Line Motor Control Feeder Units

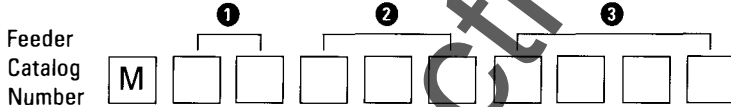
For each of the following steps, find the option — disconnect type, amp rating, feeder devices — that meets the need. Transfer the corresponding catalog number digits to the catalog number boxes. When you have finished, you will have built a complete catalog number. There are no price components to the first two steps; the complete list price, GO-100MZ, is that shown in the Step 3 table.

Fax or phone your order to us. We will build and ship your motor control feeder unit. Units highlighted in blue will be shipped within five days; others within two weeks.

### 1 Select Feeder Disconnect Type

Select disconnect type. Transfer the catalog number digits to the boxes 1 in the catalog number line. There is no price component for disconnect type selection.

Type	Voltage	Cat. No. Digits
Fusible Switch (QMR)	480/600V	FS
Circuit Breaker	-	FB
Fusible Switch	208/240V	FR



### 2 Select Amp Rating

Select amp rating for either circuit breaker trip or Class R fuse. Transfer the catalog number digits to the boxes marked 2 in the catalog number line. There is no price component for amp rating selection.

Amps	Cat. No. Digits	Amps	Cat. No. Digits	Amps	Cat. No. Digits	Amps	Cat. No. Digits
15	015	50	050	100	100	200	200
20	020	60	060	110	110	225	225
30	030	70	070	125	125		
40	040	90	090	150	150		

### 3 Select Feeder Device

Select feeder device. Transfer the catalog number digit to the boxes marked 3 in the catalog number line. The price shown is the total list price, GO-100MZ, for your feeder unit.

Device	Amp Rating (Max.)	Short Circuit Rating KA			Unit Height (Inches)	Cat. No. Digits	List Price GO-100MZ
		240 Volts	480 Volts	600 Volts			
THED	100	30	25	18	6	HED6	\$1395
TEDL	100	100	100	100	6	EDL6	\$1905
THED	100	30	25	18	12	HED1	\$1495
THED	150	30	25	18	12	THED	\$1905
TEL	100	65	65	N/A	6	TEL6	\$2770
TEL	150	100	65	N/A	18	TEL8	\$5105
THLC1	150	100	100	N/A	18	HLC1	\$6710
THLC2	225	100	100	N/A	24	HLC2	\$8395
THFK	225	30	25	18	12	THFK	\$2530
QMR	30	100	100	100	6	QM36	\$1245
QMR	30	100	100	100	12	QMR3	\$1295
QMR	60	100	100	100	6	QM66	\$1255
QMR	60	100	100	100	12	QMR6	\$1305
QMR	100	100	100	100	12	QMR1	\$1615
QMR	200	100	100	100	24	QMR2	\$2840

Feeder units in blue shaded areas are shipped within five days; others are shipped within two weeks.

