

# Selection Procedure

# Motor Starters

## Heavy Duty Motor Starters Solid State Overload, Manual Reset Class 14



### Ordering Instructions

- See Field Modification Kits
- See 380V, 50 HZ information
- See Dimensions
- See Wiring Diagrams

### Coil Table

60 HZ Voltage	Letter
110-120/220-240 <sup>1</sup>	A
120	F

For other voltages and frequencies, coil may be purchased separately.

### 3 Phase, 3 Pole

ServiceFirst Item #	Mfg. #	Max Hp				NEMA Size	Half Size	Overload Amp Range
		200 Volts	230 Volts	460 Volts	575 Volts			
OLD00343	14CSA32AA	1/6	1/6	1/3	1/2	0	—	0.25-1
OLD00344	14CSB32AA	1/2	3/4	1 1/2	2	0	—	0.75-3
OLD00345	14CSD32AA	2	2	5	5	0	—	2.5-10
OLD00346	14CSE32AA	3	3	—	—	0	—	9-18
OLD00347	14DSA32AA	1/6	1/6	1/3	1/2	1	—	0.25-1
OLD00348	14DSB32AA	1/2	3/4	1 1/2	2	1	—	0.75-3
OLD00349	14DSD32AA	2	2	5	5	1	—	2.5-10
OLD00350	14DSE32AA	3	3	10	10	1	—	9-18
OLD00351	14DSF32AA	7 1/2	7 1/2	—	—	1	—	13-27
OLD00359	14ESF32AA	—	—	15	15	—	1 3/4	13-27
OLD00360	14ESG32AA	10	10	—	—	—	1 3/4	20-40
OLD00352	14FSF32AA	—	—	15	20	2	—	13-27
OLD00353	14FSH32AA	10	15	25	25	2	—	22-45
OLD00361	14GSH32AA	—	—	30	30	—	2 1/2	22-45
OLD00362	14GSJ32A*	15	20	—	—	—	2 1/2	30-60
OLD00354	14HSJ32AA	—	—	30	40	3	—	30-60
OLD00355	14HSK32AA	25	30	50	50	3	—	45-90
OLD00363	14ISL32AA	30	40	75	75	—	3 1/2	57-115
OLD00356	14JTM32AA	40	50	100	100	4	—	67-135
OLD00357	14LTU32AF	75	100	200	200	5	—	100-270
OLD00358	14MTX32AF	150	200	400	400	6	—	200-540

### Single Phase, 2 Pole

ServiceFirst Item #	Mfg. #	Max Hp		NEMA Size	Overload Amp Range
		115 Volts	230 Volts		
OLD00365	14CSB12AA	1/8	1/4	0	0.75-3
OLD00366	14CSD12AA	1/4	1/2	0	2.5-10
OLD00367	14CSE12AA	1	2	0	5.0-16
OLD00368	14DSB12AA	1/8	1/4	1	0.75-3
OLD00369	14DSD12AA	1/4	1/2	1	2.5-10
OLD00370	14DSE12AA	1	2	1	5.0-16

#### Note:

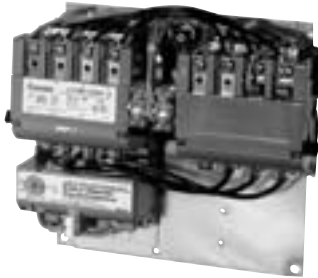
Hp's shown above are based on the overload amp range for the FLA's (per the National Electric Code) of typical industrial motors. All Starter Sizes carry one maximum Hp rating. For higher Hp single phase motors, use 3 phase starters, wire and set per diagram.

<sup>1</sup>24V and dual voltage coils not available on size 4 1/2-5 Starters.

# Selection Procedure

# Motor Starters

## Reversing Heavy Duty Motor Starters Solid State Overload, Manual Reset Class 22



### Ordering Instructions

- See Field Modification Kits.
- See Factory Modifications .
- See Dimensions.
- See Wiring Diagrams.

### Coil Table

60 HZ Voltage	Letter
110-120/220-240	A
120	F

For other voltages and frequencies, coil may be purchased separately.

### 3 Phase, 3 Pole

ServiceFirst Item #	Mfg. #	Max Hp				NEMA Size	Half Size	Overload Amp Range
		200 Volts	230 Volts	460 Volts	575 Volts			
OLD00371	22CSA32AA	1/6	1/6	1/3	1/2	0	—	0.25-1
OLD00372	22CSB32AA	1/2	3/4	1 1/2	2	0	—	0.75-3
OLD00373	22CSD32AA	2	2	5	5	0	—	2.5-10
OLD00374	22CSE32AA	3	3	—	—	0	—	9-18
OLD00375	22DSA32AA	1/6	1/6	1/3	1/2	1	—	0.25-1
OLD00376	22DSB32AA	1/2	3/4	1 1/2	2	1	—	0.75-3
OLD00377	22DSD32AA	2	2	5	5	1	—	2.5-10
OLD00378	22DSE32AA	3	3	10	10	1	—	9-18
OLD00379	22DSF32AA	7 1/2	7 1/2	—	—	1	—	13-27
OLD00387	22ESF32AA	—	—	15	15	—	1 3/4	13-27
OLD00388	22ESG32AA	10	10	—	—	—	1 3/4	20-40
OLD00380	22FSF32AA	—	—	15	20	2	—	13-27
OLD00381	22FSH32AA	10	15	25	25	2	—	22-45
OLD00389	22GSH32AA	—	—	30	30	—	2 1/2	22-45
OLD00390	22GSJ32AA	15	20	—	—	—	2 1/2	30-60
OLD00382	22HSJ32AA	—	—	30	40	3	—	30-60
OLD00383	22HSK32AA	25	30	50	50	3	—	45-90
OLD00391	22ISL32AA	30	40	75	75	—	3 1/2	57-115
OLD00384	22JTM32AA	40	50	100	100	4	—	67-135
OLD00385	22LTU32AF	75	100	200	200	5	—	100-270
OLD00386	22MTX32AF	150	200	400	400	6	—	200-540