

CUSTOM-BUILT MOTOR STARTERS

Combination Motor Starters, with Through-the-door Disconnects

FactoryMation supplies meticulously designed and constructed Combination Motor Starters housed in NEMA-rated enclosures. These motor starters are custom built to meet the requirements of your application.

Built with Quality and Pride

Our "CMS" series motor starters use quality UL-approved industrial control components from name brand manufacturers. Control wiring is neatly bundled and tied to the subpanel, and each motor starter is electrically tested before leaving the manufacturing facility.



Our Combination Motor Starters are built with quality and pride. Many motor starters are available for shipment within 3 days of order.



Note about UL508A Approvals:

Starters and Custom Control Panels can be provided with "UL508A Approved for Industrial Control Panel" labels if requested when placing the order. (The requirement for the UL508A label will involve additional charges.)

Selecting a Motor Starter

Follow this step-by-step guide to select your custom motor starter.

1. Non-reversing or Reversing

Non-reversing motor starters have a single contactor and are designed to run the motor in one direction only. Reversing motor starters use two mechanically interlocked contactors. The use of two contactors makes it possible to run the motor in two directions, forward or reverse, and the interlock prevents energizing both contactors at the same time.

2. Horsepower and FLA ratings

Check your motor nameplate to identify your motor's horsepower and full-load amp (FLA) ratings. Be sure the FLA rating of the motor does not exceed the FLA rating of the motor starter. The thermal overload device should be set to match the motor nameplate amps, not to exceed the FLA rating of the motor starter. If you have questions regarding selection of the motor starter that best fits your application, contact FactoryMation Technical Support.

3. Circuit Protection

All of our custom motor starters have a through-the-door disconnect handle with safety lock-out provisions.

4. Input Voltage

Select the input voltage of the motor starter. The input voltage should match the voltage used to power the motor.

5. Enclosure Rating

Several enclosure options are available to closely match the requirements of your application. The following NEMA environmental ratings are available:

- NEMA 1 - General Purpose applications
- NEMA 12 - Indoor, dust-tight applications
- NEMA 3R - Outdoor, dust-tight, drip-proof, non-corrosive applications
- NEMA 4 - Water-tight, non-corrosive applications
- NEMA 4X - Non-metallic (Fiberglass) enclosure for water-tight, corrosion resistant applications

6. Motor Starter Options

Control Transformer

Select a control transformer when it is desirable to reduce your control voltage for operators, pilot lights, and remote devices. Transformers are available with a 120VAC secondary. Transformer primaries are wired for the same voltage as the motor starter input power.

Operators

Operators can be selected to offer control from the front panel of the motor starter. Operator control voltage will be equivalent to the input voltage of the starter or the secondary voltage of the optional control transformer. If operators are excluded, the contactor coil can be specified to allow for remote operation of the motor starter. Operator options include:

Non-Reversing

- Start/Stop Pushbuttons
- Hand-Off-Auto Selector Switch

Reversing

- Forward-Stop-Reverse Pushbuttons
- Forward-Off-Reverse Selector Switch

No Operators, remote control desired

- No operators, 24VAC/60Hz contactor coil
- No operators, 120VAC/60Hz contactor coil
- No operators, 230VAC/60Hz contactor coil
- No operators, 480VAC/60Hz contactor coil

Pilot Lights

Non-Reversing

- Pilot Light, ON indication, RED color

Reversing

- Pilot Lights, 1-FWD and 1-REV indicator, RED color

Note: To add pilot lights to 460V models, control transformers are required

Selection Questions?

Our combination motor starters are custom-built to customer specifications. If you need assistance selecting a combination motor starter, contact FactoryMation Technical Support @ 1.800.972.0436

Economy Combination Motor Starter

Non-reversing

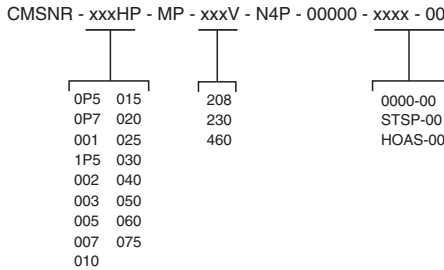
Up to 75HP!
from **\$299**



Features

- Manual Motor Starter integrates power disconnect, short-circuit, and thermal overload protection into one unit. Fewer components mean a smaller enclosure and lower cost.
- Non-reversing magnetic contactor
- 208V, 230V, and 460V input voltage models available, 1/2 to 75HP
- UV protected and flame retardant NEMA 4X plastic enclosure
- Motor voltage used for coil and optional operators
- All components UL/CUL certified

Quick Selection Guide:



208V

Max. UL Ratings		Current Trip Range	Part Number	NEMA 4X (-N4P)	
HP	FLA			DIM	Price
0.5	2.4	1.6 – 2.5A	CMSNR-0P5HP-MP-208V-N4P-00000	PC1	\$299
0.75	3.5	2.5 – 4.0A	CMSNR-0P7HP-MP-208V-N4P-00000	PC1	\$299
1	4.6	4 – 6A	CMSNR-001HP-MP-208V-N4P-00000	PC1	\$299
2	7.5	5 – 8A	CMSNR-002HP-MP-208V-N4P-00000	PC1	\$299
3	10.6	9 – 13A	CMSNR-003HP-MP-208V-N4P-00000	PC1	\$299
5	16.7	14 – 22A	CMSNR-005HP-MP-208V-N4P-00000	PC1	\$299
7.5	24.2	18 – 26A	CMSNR-007HP-MP-208V-N4P-00000	PC1	\$299
10	30.2	28 – 40A	CMSNR-010HP-MP-208V-N4P-00000	PC2	\$449
15	46.2	34 – 50A	CMSNR-015HP-MP-208V-N4P-00000	PC2	\$449
20	59.4	45 – 63A	CMSNR-020HP-MP-208V-N4P-00000	PC2	\$449
25	74.8	70 – 90A	CMSNR-025HP-MP-208V-N4P-00000	PC2	\$649
30	88	80 – 100A	CMSNR-030HP-MP-208V-N4P-00000	PC2	\$649

230V

Max. UL Ratings		Current Trip Range	Part Number	NEMA 4X (-N4P)	
HP	FLA			DIM	Price
0.5	2.2	1.6 – 2.5A	CMSNR-0P5HP-MP-230V-N4P-00000	PC1	\$299
0.75	3.2	2.5 – 4.0A	CMSNR-0P7HP-MP-230V-N4P-00000	PC1	\$299
1.5	6.0	4 – 6A	CMSNR-1P5HP-MP-230V-N4P-00000	PC1	\$299
2	6.8	5 – 8A	CMSNR-002HP-MP-230V-N4P-00000	PC1	\$299
3	9.6	6 – 10A	CMSNR-003HP-MP-230V-N4P-00000	PC1	\$299
5	15.2	11 – 17A	CMSNR-005HP-MP-230V-N4P-00000	PC1	\$299
7.5	22	14 – 22A	CMSNR-007HP-MP-230V-N4P-00000	PC1	\$299
10	28	22 – 32A	CMSNR-010HP-MP-230V-N4P-00000	PC1	\$299
15	42	34 – 50A	CMSNR-015HP-MP-230V-N4P-00000	PC2	\$449
20	54	45 – 63A	CMSNR-020HP-MP-230V-N4P-00000	PC2	\$449
25	68	55 – 75A	CMSNR-025HP-MP-230V-N4P-00000	PC2	\$649
30	80	70 – 90A	CMSNR-030HP-MP-230V-N4P-00000	PC2	\$649

460V

Max. UL Ratings		Current Trip Range	Part Number	NEMA 4X (-N4P)	
HP	FLA			DIM	Price
0.5	1.1	1.0 – 1.6A	CMSNR-0P5HP-MP-460V-N4P-00000	PC1	\$299
1	2.1	1.6 – 2.5A	CMSNR-001HP-MP-460V-N4P-00000	PC1	\$299
2	3.4	2.5 – 4.0A	CMSNR-002HP-MP-460V-N4P-00000	PC1	\$299
3	4.8	4 – 6A	CMSNR-003HP-MP-460V-N4P-00000	PC1	\$299
5	7.6	5 – 8A	CMSNR-005HP-MP-460V-N4P-00000	PC1	\$299
7.5	11.0	9 – 13A	CMSNR-007HP-MP-460V-N4P-00000	PC1	\$299
10	14	11 – 17A	CMSNR-010HP-MP-460V-N4P-00000	PC1	\$299
15	21	14 – 22A	CMSNR-015HP-MP-460V-N4P-00000	PC1	\$299
20	27	22 – 32A	CMSNR-020HP-MP-460V-N4P-00000	PC1	\$299
25	34	28 – 40A	CMSNR-025HP-MP-460V-N4P-00000	PC2	\$449
30	40	34 – 50A	CMSNR-030HP-MP-460V-N4P-00000	PC2	\$449
40	52	45 – 63A	CMSNR-040HP-MP-460V-N4P-00000	PC2	\$449
50	65	55 – 75A	CMSNR-050HP-MP-460V-N4P-00000	PC2	\$649
60	77	70 – 90A	CMSNR-060HP-MP-460V-N4P-00000	PC2	\$649
75	96	80 – 100A	CMSNR-075HP-MP-460V-N4P-00000	PC2	\$649

Highlighted items ship in 3-5 days.

Options

Suffix	Description	Adder
Operator Devices (choose one)		
-0000-00	No Operators	\$0
-STSP-00	Start-Stop Pushbuttons	\$50
-HOAS-00	Hand-Off-Auto Selector Switch	\$50



FREE Ground Shipping!*
for online orders over \$500



Economy Combination Motor Starter

Reversing

Up to
75HP!

from
\$399



Features

- Manual Motor Starter integrates power disconnect, short-circuit, and thermal overload protection into one unit. Fewer components mean a smaller enclosure and lower cost.
- Reversing magnetic contactors
- 208V, 230V, and 460V input voltage models available, 1/2 to 75HP
- UV protected and flame retardant NEMA 4X plastic enclosure
- Motor voltage used for coil and optional operators
- All components UL/CUL certified

Quick Selection Guide:

CMSRV - xxxHP - MP - xxxV - N4P - 00000 - xxxx - 000

OP5	015	208	0000-000
OP7	020	230	FSRV-000
001	025	460	FORV-000
1P5	030		
002	040		
003	050		
005	060		
007	075		
010			

208V

Max. UL Ratings		Current Trip Range	Part Number	NEMA 4X (-N4P)	
HP	FLA			DIM	Price
0.5	2.4	1.6 – 2.5A	CMSRV-0P5HP-MP-208V-N4P-00000	PC1	\$399
0.75	3.5	2.5 – 4.0A	CMSRV-0P7HP-MP-208V-N4P-00000	PC1	\$399
1	4.6	4 – 6A	CMSRV-001HP-MP-208V-N4P-00000	PC1	\$399
2	7.5	5 – 8A	CMSRV-002HP-MP-208V-N4P-00000	PC1	\$399
3	10.6	9 – 13A	CMSRV-003HP-MP-208V-N4P-00000	PC1	\$399
5	16.7	14 – 22A	CMSRV-005HP-MP-208V-N4P-00000	PC1	\$399
7.5	24.2	18 – 26A	CMSRV-007HP-MP-208V-N4P-00000	PC1	\$399
10	30.2	28 – 40A	CMSRV-010HP-MP-208V-N4P-00000	PC2	\$599
15	46.2	34 – 50A	CMSRV-015HP-MP-208V-N4P-00000	PC2	\$599
20	59.4	45 – 63A	CMSRV-020HP-MP-208V-N4P-00000	PC2	\$599
25	74.8	70 – 90A	CMSRV-025HP-MP-208V-N4P-00000	PC2	\$799
30	88	80 – 100A	CMSRV-030HP-MP-208V-N4P-00000	PC2	\$799

230V

Max. UL Ratings		Current Trip Range	Part Number	NEMA 4X (-N4P)	
HP	FLA			DIM	Price
0.5	2.2	1.6 – 2.5A	CMSRV-0P5HP-MP-230V-N4P-00000	PC1	\$399
0.75	3.2	2.5 – 4.0A	CMSRV-0P7HP-MP-230V-N4P-00000	PC1	\$399
1.5	6.0	4 – 6A	CMSRV-1P5HP-MP-230V-N4P-00000	PC1	\$399
2	6.8	5 – 8A	CMSRV-002HP-MP-230V-N4P-00000	PC1	\$399
3	9.6	6 – 10A	CMSRV-003HP-MP-230V-N4P-00000	PC1	\$399
5	15.2	11 – 17A	CMSRV-005HP-MP-230V-N4P-00000	PC1	\$399
7.5	22	14 – 22A	CMSRV-007HP-MP-230V-N4P-00000	PC1	\$399
10	28	22 – 32A	CMSRV-010HP-MP-230V-N4P-00000	PC1	\$399
15	42	34 – 50A	CMSRV-015HP-MP-230V-N4P-00000	PC2	\$599
20	54	45 – 63A	CMSRV-020HP-MP-230V-N4P-00000	PC2	\$599
25	68	55 – 75A	CMSRV-025HP-MP-230V-N4P-00000	PC2	\$799
30	80	70 – 90A	CMSRV-030HP-MP-230V-N4P-00000	PC2	\$799

460V

Max. UL Ratings		Current Trip Range	Part Number	NEMA 4X (-N4P)	
HP	FLA			DIM	Price
0.5	1.1	1.0 – 1.6A	CMSRV-0P5HP-MP-460V-N4P-00000	PC1	\$399
1	2.1	1.6 – 2.5A	CMSRV-001HP-MP-460V-N4P-00000	PC1	\$399
2	3.4	2.5 – 4.0A	CMSRV-002HP-MP-460V-N4P-00000	PC1	\$399
3	4.8	4 – 6A	CMSRV-003HP-MP-460V-N4P-00000	PC1	\$399
5	7.6	5 – 8A	CMSRV-005HP-MP-460V-N4P-00000	PC1	\$399
7.5	11.0	9 – 13A	CMSRV-7P5HP-MP-460V-N4P-00000	PC1	\$399
10	14	11 – 17A	CMSRV-010HP-MP-460V-N4P-00000	PC1	\$399
15	21	14 – 22A	CMSRV-015HP-MP-460V-N4P-00000	PC1	\$399
20	27	22 – 32A	CMSRV-020HP-MP-460V-N4P-00000	PC1	\$399
25	34	28 – 40A	CMSRV-025HP-MP-460V-N4P-00000	PC2	\$599
30	40	34 – 50A	CMSRV-030HP-MP-460V-N4P-00000	PC2	\$599
40	52	45 – 63A	CMSRV-040HP-MP-460V-N4P-00000	PC2	\$599
50	65	55 – 75A	CMSRV-050HP-MP-460V-N4P-00000	PC2	\$799
60	77	70 – 90A	CMSRV-060HP-MP-460V-N4P-00000	PC2	\$799
75	96	80 – 100A	CMSRV-075HP-MP-460V-N4P-00000	PC2	\$799

Highlighted items ship in 3-5 days.

Options

Suffix	Description	Adder
Operator Devices (choose one)		
-0000-000	No Operators	\$0
-FSRV-000	Forward-Stop-Reverse Pushbuttons	\$75
-FORV-000	Forward-Off-Reverse Selector Switch	\$75

Combination Motor Starter

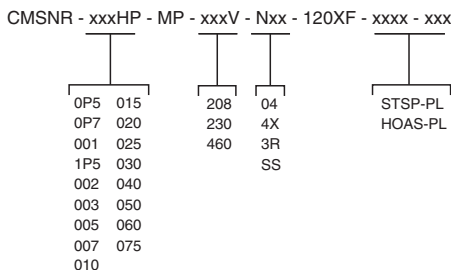
Non-reversing



Features

- Manual Motor Starter integrates power disconnect, short-circuit, and thermal overload protection into one unit. Fewer components mean a smaller enclosure and lower cost.
- Non-reversing contactor configurations
- 208V, 230V, and 460V input voltage models available, 1/2 to 75HP
- Select enclosure suitable for installation indoors or out:
 - NEMA 4/12 (N04)
 - NEMA 3R (N3R)
 - NEMA 4X (N4X)
 - NEMA 4X Stainless Steel (NSS)
- Control transformer included at no additional charge, reduces control voltage for operator/pilot devices and remote operators
- Optional operator devices at no additional charge
- Pilot light included to indicate motor starter operation

Quick Selection Guide:



208V

Max. UL Ratings		Current Trip Range	Part Number	NEMA 4/12 (-N04)		NEMA 4X (-N4X)		NEMA 3R (-N3R)		NEMA 4XSS (-NSS)	
HP	FLA			DIM	Price	DIM	Price	DIM	Price	DIM	Price
0.5	2.4	1.6 – 2.5A	CMSNR-0P5HP-MP-208V	EL1	\$499	AM1	\$549	R1	\$499	S1	\$799
0.75	3.5	2.5 – 4.0A	CMSNR-0P7HP-MP-208V	EL1	\$499	AM1	\$549	R1	\$499	S1	\$799
1	4.6	4 – 6A	CMSNR-001HP-MP-208V	EL1	\$499	AM1	\$549	R1	\$499	S1	\$799
2	7.5	5 – 8A	CMSNR-002HP-MP-208V	EL1	\$499	AM1	\$549	R1	\$499	S1	\$799
3	10.6	9 – 13A	CMSNR-003HP-MP-208V	EL1	\$499	AM1	\$549	R1	\$499	S1	\$799
5	16.7	14 – 22A	CMSNR-005HP-MP-208V	EL1	\$499	AM1	\$549	R1	\$499	S1	\$799
7.5	24.2	18 – 26A	CMSNR-007HP-MP-208V	EL1	\$499	AM1	\$549	R1	\$499	S1	\$799
10	30.2	28 – 40A	CMSNR-010HP-MP-208V	EL2	\$649	AM2	\$749	R2	\$649	S2	\$1,099
15	46.2	34 – 50A	CMSNR-015HP-MP-208V	EL2	\$649	AM2	\$749	R2	\$649	S2	\$1,099
20	59.4	45 – 63A	CMSNR-020HP-MP-208V	EL2	\$649	AM2	\$749	R2	\$649	S2	\$1,099
25	74.8	70 – 90A	CMSNR-025HP-MP-208V	EL3	\$849	AM3	\$1,049	R3	\$849	S3	\$1,299
30	88	80 – 100A	CMSNR-030HP-MP-208V	EL3	\$849	AM3	\$1,049	R3	\$849	S3	\$1,299

230V

Max. UL Ratings		Current Trip Range	Part Number	NEMA 4/12 (-N04)		NEMA 4X (-N4X)		NEMA 3R (-N3R)		NEMA 4XSS (-NSS)	
HP	FLA			DIM	Price	DIM	Price	DIM	Price	DIM	Price
0.5	2.2	1.6 – 2.5A	CMSNR-0P5HP-MP-230V	EL1	\$499	AM1	\$549	R1	\$499	S1	\$799
0.75	3.2	2.5 – 4.0A	CMSNR-0P7HP-MP-230V	EL1	\$499	AM1	\$549	R1	\$499	S1	\$799
1.5	6.0	4 – 6A	CMSNR-1P5HP-MP-230V	EL1	\$499	AM1	\$549	R1	\$499	S1	\$799
2	6.8	5 – 8A	CMSNR-002HP-MP-230V	EL1	\$499	AM1	\$549	R1	\$499	S1	\$799
3	9.6	6 – 10A	CMSNR-003HP-MP-230V	EL1	\$499	AM1	\$549	R1	\$499	S1	\$799
5	15.2	11 – 17A	CMSNR-005HP-MP-230V	EL1	\$499	AM1	\$549	R1	\$499	S1	\$799
7.5	22	14 – 22A	CMSNR-007HP-MP-230V	EL1	\$499	AM1	\$549	R1	\$499	S1	\$799
10	28	22 – 32A	CMSNR-010HP-MP-230V	EL1	\$499	AM1	\$549	R1	\$499	S1	\$799
15	42	34 – 50A	CMSNR-015HP-MP-230V	EL2	\$649	AM2	\$749	R2	\$649	S2	\$1,099
20	54	45 – 63A	CMSNR-020HP-MP-230V	EL2	\$649	AM2	\$749	R2	\$649	S2	\$1,099
25	68	55 – 75A	CMSNR-025HP-MP-230V	EL3	\$849	AM3	\$1,049	R3	\$849	S3	\$1,299
30	80	70 – 90A	CMSNR-030HP-MP-230V	EL3	\$849	AM3	\$1,049	R3	\$849	S3	\$1,299

460V

Max. UL Ratings		Current Trip Range	Part Number	NEMA 4/12 (-N04)		NEMA 4X (-N4X)		NEMA 3R (-N3R)		NEMA 4XSS (-NSS)	
HP	FLA			DIM	Price	DIM	Price	DIM	Price	DIM	Price
0.5	1.1	1.0 – 1.6A	CMSNR-0P5HP-MP-460V	EL1	\$499	AM1	\$549	R1	\$499	S1	\$799
1	2.1	1.6 – 2.5A	CMSNR-001HP-MP-460V	EL1	\$499	AM1	\$549	R1	\$499	S1	\$799
2	3.4	2.5 – 4.0A	CMSNR-002HP-MP-460V	EL1	\$499	AM1	\$549	R1	\$499	S1	\$799
3	4.8	4 – 6A	CMSNR-003HP-MP-460V	EL1	\$499	AM1	\$549	R1	\$499	S1	\$799
5	7.6	5 – 8A	CMSNR-005HP-MP-460V	EL1	\$499	AM1	\$549	R1	\$499	S1	\$799
7.5	11.0	9 – 13A	CMSNR-7P5HP-MP-460V	EL1	\$499	AM1	\$549	R1	\$499	S1	\$799
10	14	11 – 17A	CMSNR-010HP-MP-460V	EL1	\$499	AM1	\$549	R1	\$499	S1	\$799
15	21	14 – 22A	CMSNR-015HP-MP-460V	EL1	\$499	AM1	\$549	R1	\$499	S1	\$799
20	27	22 – 32A	CMSNR-020HP-MP-460V	EL1	\$499	AM1	\$549	R1	\$499	S1	\$799
25	34	28 – 40A	CMSNR-025HP-MP-460V	EL2	\$649	AM2	\$749	R2	\$649	S2	\$1,099
30	40	34 – 50A	CMSNR-030HP-MP-460V	EL2	\$649	AM2	\$749	R2	\$649	S2	\$1,099
40	52	45 – 63A	CMSNR-040HP-MP-460V	EL2	\$649	AM2	\$749	R2	\$649	S2	\$1,099
50	65	55 – 75A	CMSNR-050HP-MP-460V	EL3	\$849	AM3	\$1,049	R3	\$849	S3	\$1,299
60	77	70 – 90A	CMSNR-060HP-MP-460V	EL3	\$849	AM3	\$1,049	R3	\$849	S3	\$1,299
75	96	80 – 100A	CMSNR-075HP-MP-460V	EL3	\$849	AM3	\$1,049	R3	\$849	S3	\$1,299

Highlighted items ship in 3-5 days. Other items typically ship within 10 days of receipt of order.

Options

Suffix	Description	Adder
Operator Devices (choose one)		
-120XF-STSP-PL	120VAC Transformer / Start-Stop Pushbuttons / Pilot Light	\$0
-120XF-HOAS-PL	120VAC Transformer / Hand-Off-Auto Selector Switch / Pilot Light	\$0



FREE Ground Shipping!
for online orders over \$500



Combination Motor Starter

Reversing

Up to 75HP!

from **\$599**

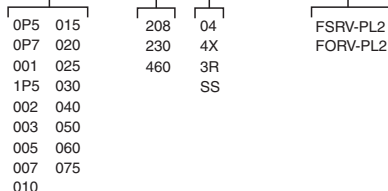


Features

- Manual Motor Starter integrates power disconnect, short-circuit, and thermal overload protection into one unit. Fewer components mean a smaller enclosure and lower cost.
- Reversing contactor configuration
- 208V, 230V, and 460V input voltage models available, 1/2 to 75HP
- Select enclosure suitable for installation indoors or out:
 - NEMA 4/12 (N04)
 - NEMA 3R (N3R)
 - NEMA 4X (N4X)
 - NEMA 4X Stainless Steel (NSS)
- Control transformer included at no additional charge, reduces control voltage for operator/pilot devices and remote operators
- Optional operator devices at no additional charge
- Pilot lights included to indicate forward or reverse motor starter operation

Quick Selection Guide:

CMSRV - xxxHP - MP - xxxV - Nxx - 120XF - xxxx - xxx



208V

Max. UL Ratings		Current Trip Range	Part Number	NEMA 4/12 (-N04)		NEMA 4X (-N4X)		NEMA 3R (-N3R)		NEMA 4XSS (-NSS)	
HP	FLA			DIM	Price	DIM	Price	DIM	Price	DIM	Price
0.5	2.4	1.6 – 2.5A	CMSRV-0P5HP-MP-208V	EL1	\$599	AM1	\$649	R1	\$599	S1	\$899
0.75	3.5	2.5 – 4.0A	CMSRV-0P7HP-MP-208V	EL1	\$599	AM1	\$649	R1	\$599	S1	\$899
1	4.6	4 – 6A	CMSRV-001HP-MP-208V	EL1	\$599	AM1	\$649	R1	\$599	S1	\$899
2	7.5	5 – 8A	CMSRV-002HP-MP-208V	EL1	\$599	AM1	\$649	R1	\$599	S1	\$899
3	10.6	9 – 13A	CMSRV-003HP-MP-208V	EL1	\$599	AM1	\$649	R1	\$599	S1	\$899
5	16.7	14 – 22A	CMSRV-005HP-MP-208V	EL1	\$599	AM1	\$649	R1	\$599	S1	\$899
7.5	24.2	18 – 26A	CMSRV-007HP-MP-208V	EL1	\$599	AM1	\$649	R1	\$599	S1	\$899
10	30.2	28 – 40A	CMSRV-010HP-MP-208V	EL2	\$799	AM2	\$899	R2	\$799	S2	\$1,249
15	46.2	34 – 50A	CMSRV-015HP-MP-208V	EL2	\$799	AM2	\$899	R2	\$799	S2	\$1,249
20	59.4	45 – 63A	CMSRV-020HP-MP-208V	EL2	\$799	AM2	\$899	R2	\$799	S2	\$1,249
25	74.8	70 – 90A	CMSRV-025HP-MP-208V	EL3	\$999	AM3	\$1,199	R3	\$999	S3	\$1,449
30	88	80 – 100A	CMSRV-030HP-MP-208V	EL3	\$999	AM3	\$1,199	R3	\$999	S3	\$1,449

230V

Max. UL Ratings		Current Trip Range	Part Number	NEMA 4/12 (-N04)		NEMA 4X (-N4X)		NEMA 3R (-N3R)		NEMA 4XSS (-NSS)	
HP	FLA			DIM	Price	DIM	Price	DIM	Price	DIM	Price
0.5	2.2	1.6 – 2.5A	CMSRV-0P5HP-MP-230V	EL1	\$599	AM1	\$649	R1	\$599	S1	\$899
0.75	3.2	2.5 – 4.0A	CMSRV-0P7HP-MP-230V	EL1	\$599	AM1	\$649	R1	\$599	S1	\$899
1.5	6.0	4 – 6A	CMSRV-1P5HP-MP-230V	EL1	\$599	AM1	\$649	R1	\$599	S1	\$899
2	6.8	5 – 8A	CMSRV-002HP-MP-230V	EL1	\$599	AM1	\$649	R1	\$599	S1	\$899
3	9.6	6 – 10A	CMSRV-003HP-MP-230V	EL1	\$599	AM1	\$649	R1	\$599	S1	\$899
5	15.2	11 – 17A	CMSRV-005HP-MP-230V	EL1	\$599	AM1	\$649	R1	\$599	S1	\$899
7.5	22	14 – 22A	CMSRV-007HP-MP-230V	EL1	\$599	AM1	\$649	R1	\$599	S1	\$899
10	28	22 – 32A	CMSRV-010HP-MP-230V	EL1	\$599	AM1	\$649	R1	\$599	S1	\$899
15	42	34 – 50A	CMSRV-015HP-MP-230V	EL2	\$799	AM2	\$899	R2	\$799	S2	\$1,249
20	54	45 – 63A	CMSRV-020HP-MP-230V	EL2	\$799	AM2	\$899	R2	\$799	S2	\$1,249
25	68	55 – 75A	CMSRV-025HP-MP-230V	EL3	\$999	AM3	\$1,199	R3	\$999	S3	\$1,449
30	80	70 – 90A	CMSRV-030HP-MP-230V	EL3	\$999	AM3	\$1,199	R3	\$999	S3	\$1,449

460V

Max. UL Ratings		Current Trip Range	Part Number	NEMA 4/12 (-N04)		NEMA 4X (-N4X)		NEMA 3R (-N3R)		NEMA 4XSS (-NSS)	
HP	FLA			DIM	Price	DIM	Price	DIM	Price	DIM	Price
0.5	1.1	1.0 – 1.6A	CMSRV-0P5HP-MP-460V	EL1	\$599	AM1	\$649	R1	\$599	S1	\$899
1	2.1	1.6 – 2.5A	CMSRV-001HP-MP-460V	EL1	\$599	AM1	\$649	R1	\$599	S1	\$899
2	3.4	2.5 – 4.0A	CMSRV-002HP-MP-460V	EL1	\$599	AM1	\$649	R1	\$599	S1	\$899
3	4.8	4 – 6A	CMSRV-003HP-MP-460V	EL1	\$599	AM1	\$649	R1	\$599	S1	\$899
5	7.6	5 – 8A	CMSRV-005HP-MP-460V	EL1	\$599	AM1	\$649	R1	\$599	S1	\$899
7.5	11.0	9 – 13A	CMSRV-7P5HP-MP-460V	EL1	\$599	AM1	\$649	R1	\$599	S1	\$899
10	14	11 – 17A	CMSRV-010HP-MP-460V	EL1	\$599	AM1	\$649	R1	\$599	S1	\$899
15	21	14 – 22A	CMSRV-015HP-MP-460V	EL1	\$599	AM1	\$649	R1	\$599	S1	\$899
20	27	22 – 32A	CMSRV-020HP-MP-460V	EL1	\$599	AM1	\$649	R1	\$599	S1	\$899
25	34	28 – 40A	CMSRV-025HP-MP-460V	EL2	\$799	AM2	\$899	R2	\$799	S2	\$1,249
30	40	34 – 50A	CMSRV-030HP-MP-460V	EL2	\$799	AM2	\$899	R2	\$799	S2	\$1,249
40	52	45 – 63A	CMSRV-040HP-MP-460V	EL2	\$799	AM2	\$899	R2	\$799	S2	\$1,249
50	65	55 – 75A	CMSRV-050HP-MP-460V	EL3	\$999	AM3	\$1,199	R3	\$999	S3	\$1,449
60	77	70 – 90A	CMSRV-060HP-MP-460V	EL3	\$999	AM3	\$1,199	R3	\$999	S3	\$1,449
75	96	80 – 100A	CMSRV-075HP-MP-460V	EL3	\$999	AM3	\$1,199	R3	\$999	S3	\$1,449

Highlighted items ship in 3-5 days. Other items typically ship within 10 days of receipt of order.

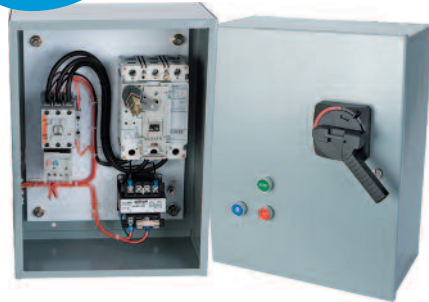
Options

Suffix	Description	Adder
Operator Devices (choose one)		
-120XF-FSRV-PL2	120VAC Transformer / Forward-Stop-Reverse Pushbuttons / Pilot Lights	\$0
-120XF-FORV-PL2	120VAC Transformer / Forward-Off-Reverse Selector Switch / Pilot Lights	\$0

Combination Motor Starter

Non-Reversing with Thermal Magnetic Circuit Breaker

Up to 200HP!
from **\$520**

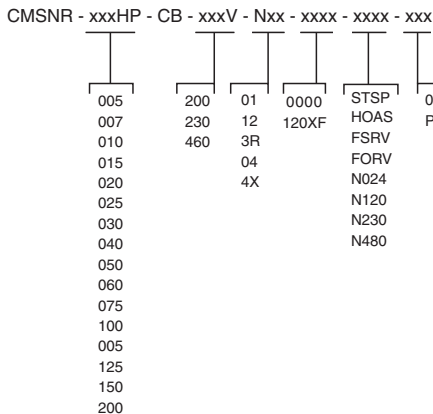


(Image shows non-reversing configuration)

Features:

- Non-reversing contactor configuration
- 208V, 230V, and 460V three-phase input voltage models available up to 200HP
- UL489 Circuit breaker offers a means of power disconnect and circuit protection
- Enclosure choices are available to meet your application requirements
- Optional control transformer, reduces control voltage for operator/pilot devices and remote operators
- Optional operator device choices for easy operation of motor starter
- Optional pilot lights indicate motor starter operation

Quick Selection Guide:



Options:

- Select Control Transformer or None
- Select Operator Devices or Coil Voltage for Remote Operation
- Pilot Lights or None

208V

Max. UL Ratings HP	FLA*	MCCB Amps	Part Number	NEMA 1 (-N01)		NEMA 12 (-N12)		NEMA 4x (-N4X)		NEMA 3R (-N3R)		NEMA 4 (-N04)	
				DIM	Price	DIM	Price	DIM	Price	DIM	Price	DIM	Price
5	17.5	30	CMSNR-005HP-CB-208V	C	\$550	C2	\$640	V1	\$710	C2	\$640	C	\$930
7.5	25	40	CMSNR-007HP-CB-208V	C	\$620	C2	\$710	V1	\$770	C2	\$710	C	\$1,000
10	32	50	CMSNR-010HP-CB-208V	C	\$640	C2	\$720	V1	\$790	C2	\$730	C	\$1,020
15	48	80	CMSNR-015HP-CB-208V	D3	\$710	Q	\$880	W2	\$950	Q	\$880	Q	\$1,100
20	62	100	CMSNR-020HP-CB-208V	D3	\$720	Q	\$1,100	W2	\$960	Q	\$1,110	Q	\$1,120
25	78	125	CMSNR-025HP-CB-208V	D3	\$950	Q	\$1,520	W2	\$1,190	Q	\$1,520	Q	\$1,350
30	92	150	CMSNR-030HP-CB-208V	E2	\$1,480	R2	\$1,670	X1	\$2,640	R2	\$1,670	R2	\$1,740
40	120	200	CMSNR-040HP-CB-208V	E2	\$1,540	R2	\$1,860	X1	\$2,700	R2	\$1,860	R2	\$1,800
50	150	225	CMSNR-050HP-CB-208V	G	\$1,860	T	\$2,060	A2	\$2,960	T	\$2,060	T	\$2,190
60	177	300	CMSNR-060HP-CB-208V	H	\$3,020	H	\$3,860	Y1	\$3,860	H	\$3,860	H	\$3,540
75	221	350	CMSNR-075HP-CB-208V	I	\$3,540	W	\$3,860	Y1	\$4,340	W	\$3,860	J	\$4,180

230V

Max. UL Ratings HP	FLA*	MCCB Amps	Part Number	NEMA 1 (-N01)		NEMA 12 (-N12)		NEMA 4x (-N4X)		NEMA 3R (-N3R)		NEMA 4 (-N04)	
				DIM	Price	DIM	Price	DIM	Price	DIM	Price	DIM	Price
5	15.2	25	CMSNR-005HP-CB-230V	C	\$550	C2	\$640	V1	\$710	C2	\$640	C	\$930
7.5	22	35	CMSNR-007HP-CB-230V	C	\$570	C2	\$710	V1	\$730	C2	\$710	C	\$950
10	28	50	CMSNR-010HP-CB-230V	C	\$620	C2	\$730	V1	\$780	C2	\$730	C	\$1,000
15	42	70	CMSNR-015HP-CB-230V	C	\$660	C2	\$880	V1	\$900	C2	\$880	C	\$1,060
20	54	90	CMSNR-020HP-CB-230V	D3	\$710	Q	\$900	W2	\$950	Q	\$900	Q	\$1,110
25	68	125	CMSNR-025HP-CB-230V	D3	\$930	Q	\$920	W2	\$1,180	Q	\$920	Q	\$1,330
30	80	125	CMSNR-030HP-CB-230V	D3	\$950	Q	\$1,520	W2	\$1,190	Q	\$1,520	Q	\$1,350
40	104	175	CMSNR-040HP-CB-230V	E2	\$1,540	R2	\$1,670	X1	\$2,700	R2	\$1,670	R2	\$1,800
50	130	200	CMSNR-050HP-CB-230V	G	\$1,670	T	\$2,060	X1	\$2,830	T	\$2,060	T	\$1,930
60	154	250	CMSNR-060HP-CB-230V	G	\$1,860	T	\$2,250	A2	\$2,960	T	\$2,250	T	\$2,190
75	192	300	CMSNR-075HP-CB-230V	H	\$3,020	H	\$3,860	Y1	\$3,860	H	\$3,860	H	\$3,540
100	248	400	CMSNR-100HP-CB-230V	I	\$3,540	W	\$4,180	Y1	\$4,340	W	\$4,180	J	\$4,180

460V

Max. UL Ratings HP	FLA*	MCCB Amps	Part Number	NEMA 1 (-N01)		NEMA 12 (-N12)		NEMA 4x (-N4X)		NEMA 3R (-N3R)		NEMA 4 (-N04)	
				DIM	Price	DIM	Price	DIM	Price	DIM	Price	DIM	Price
5	7.6	15	CMSNR-005HP-CB-460V	C	\$520	C2	\$610	V1	\$680	C2	\$610	C	\$900
7.5	11	20	CMSNR-007HP-CB-460V	C	\$540	C2	\$620	V1	\$690	C2	\$620	C	\$920
10	14	25	CMSNR-010HP-CB-460V	C	\$550	C2	\$640	V1	\$710	C2	\$640	C	\$930
15	21	35	CMSNR-015HP-CB-460V	C	\$570	C2	\$710	V1	\$730	C2	\$710	C	\$950
20	27	50	CMSNR-020HP-CB-460V	C	\$620	C2	\$730	V1	\$780	C2	\$730	C	\$1,000
25	34	60	CMSNR-025HP-CB-460V	C	\$640	C2	\$740	V1	\$800	C2	\$740	C	\$1,020
30	40	60	CMSNR-030HP-CB-460V	C	\$660	C2	\$830	V1	\$900	C2	\$830	C	\$1,040
40	52	80	CMSNR-040HP-CB-460V	D3	\$710	Q	\$880	W2	\$950	Q	\$880	Q	\$1,110
50	65	100	CMSNR-050HP-CB-460V	D3	\$730	Q	\$1,110	W2	\$970	Q	\$1,110	Q	\$1,130
60	77	125	CMSNR-060HP-CB-460V	D3	\$950	Q	\$1,520	W2	\$1,190	Q	\$1,520	Q	\$1,350
75	96	150	CMSNR-075HP-CB-460V	E2	\$1,480	R2	\$1,670	X1	\$2,640	R2	\$1,670	R2	\$1,740
100	124	200	CMSNR-100HP-CB-460V	G	\$1,670	T	\$2,060	X1	\$2,830	T	\$2,060	T	\$1,930
125	156	250	CMSNR-125HP-CB-460V	G	\$1,860	T	\$2,250	A2	\$2,960	T	\$2,250	T	\$2,190
150	180	300	CMSNR-150HP-CB-460V	G	\$2,120	T	\$3,210	A2	\$3,090	T	\$3,210	T	\$2,380
200	240	400	CMSNR-200HP-CB-460V	I	\$3,540	W	\$4,180	Y1	\$4,340	W	\$4,180	J	\$4,180

Highlighted items ship in 3 days. Other items typically ship within 10 days of receipt of order except NEMA 3R units, which requires 4 weeks.

Options

Suffix	Description	Adder
Control Transformer (choose one)		
-00000	None	\$0
-120XF	Primary same as input voltage, 120V Secondary	\$260
Operator Devices (choose one)		
-STSP	Start-Stop Pushbuttons	\$75
-HOAS	Hand-Off-Auto Selector Switch	\$75
-N024	No operators, 24VAC/60Hz Coil for remote operation	\$0
-N120	No operators, 120VAC/60Hz Coil for remote operation	\$0
-N230	No operators, 230VAC/60Hz Coil for remote operation	\$0
-N480	No operators, 480VAC/60Hz Coil for remote operation	\$0
Pilot Lights (choose one)		
-00	None	\$0
-PL	Pilot light, indicates when starter ON, RED	\$55



FREE Ground Shipping!
for online orders over \$500



Combination Motor Starter

Reversing with Thermal Magnetic Circuit Breaker

Up to 200HP!
from **\$690**

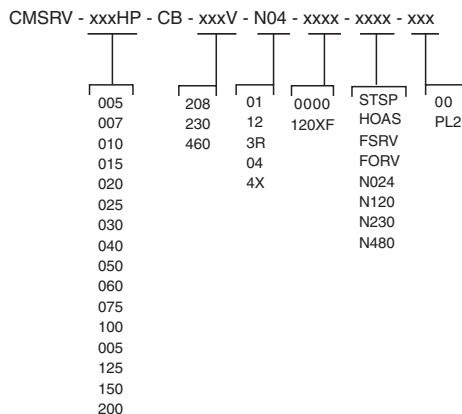


(Image shows non-reversing configuration)

Features:

- Reversing contactor configuration
- 208V, 230V, and 460V three-phase input voltage models available up to 200HP
- UL489 Circuit breaker offers a means of power disconnect and circuit protection
- Enclosure choices are available to meet your application requirements
- Optional control transformer, reduces control voltage for operator/pilot devices and remote operators
- Optional operator device choices for easy operation of motor starter
- Optional pilot lights indicate motor starter operation

Quick Selection Guide:



Options:

- Select Control Transformer or None
- Select Operator Devices or Coil Voltage for Remote Operation
- Pilot Lights or None

208V

Max. UL Ratings		MCCB Amps	Part Number	NEMA 1 (-N01)		NEMA 12 (-N12)		NEMA 4x (-N4X)		NEMA 3R (-N3R)		NEMA 4 (-N04)	
HP	FLA*			DIM	Price	DIM	Price	DIM	Price	DIM	Price	DIM	Price
5	17.5	30	CMSRV-005HP-CB-208V	D3	\$760	Q	\$970	V1	\$900	Q	\$970	Q	\$1,090
7.5	25	40	CMSRV-007HP-CB-208V	D3	\$880	Q	\$1,090	V1	\$1,020	Q	\$1,090	Q	\$1,210
10	32	50	CMSRV-010HP-CB-208V	D3	\$930	Q	\$1,140	V1	\$1,070	Q	\$1,140	Q	\$1,260
15	48	80	CMSRV-015HP-CB-208V	D3	\$1,080	Q	\$1,290	W2	\$1,220	Q	\$1,290	Q	\$1,410
20	62	100	CMSRV-020HP-CB-208V	D3	\$1,130	Q	\$1,340	W2	\$1,270	Q	\$1,340	Q	\$1,460
25	78	125	CMSRV-025HP-CB-208V	D3	\$1,420	Q	\$1,630	W2	\$1,560	Q	\$1,630	Q	\$1,760
30	92	150	CMSRV-030HP-CB-208V	G	\$2,070	T	\$2,200	A2	\$3,490	T	\$2,200	T	\$2,390
40	120	200	CMSRV-040HP-CB-208V	G	\$2,140	T	\$2,270	A2	\$3,550	T	\$2,270	T	\$2,460
50	150	225	CMSRV-050HP-CB-208V	H	\$2,840	H	\$2,970	Y1	\$4,260	H	\$2,970	H	\$3,170
60	177	300	CMSRV-060HP-CB-208V	J	\$4,320	J	\$4,450	Y1	\$5,480	J	\$4,450	J	\$4,640
75	221	350	CMSRV-075HP-CB-208V	J	\$4,970	J	\$5,090	Z1	\$6,380	J	\$5,090	J	\$5,290

230V

Max. UL Ratings		MCCB Amps	Part Number	NEMA 1 (-N01)		NEMA 12 (-N12)		NEMA 4x (-N4X)		NEMA 3R (-N3R)		NEMA 4 (-N04)	
HP	FLA*			DIM	Price	DIM	Price	DIM	Price	DIM	Price	DIM	Price
5	15.2	25	CMSRV-005HP-CB-230V	D3	\$760	Q	\$970	V1	\$900	Q	\$970	Q	\$1,090
7.5	22	35	CMSRV-007HP-CB-230V	D3	\$790	Q	\$1,000	V1	\$930	Q	\$1,000	Q	\$1,130
10	28	50	CMSRV-010HP-CB-230V	D3	\$880	Q	\$1,090	V1	\$1,020	Q	\$1,090	Q	\$1,210
15	42	70	CMSRV-015HP-CB-230V	D3	\$990	Q	\$1,200	V1	\$1,130	Q	\$1,200	Q	\$1,320
20	54	90	CMSRV-020HP-CB-230V	D3	\$1,080	Q	\$1,290	W2	\$1,220	Q	\$1,290	Q	\$1,410
25	68	125	CMSRV-025HP-CB-230V	D3	\$1,370	Q	\$1,580	W2	\$1,510	Q	\$1,580	Q	\$1,700
30	80	125	CMSRV-030HP-CB-230V	D3	\$1,420	Q	\$1,630	W2	\$1,560	Q	\$1,630	Q	\$1,760
40	104	175	CMSRV-040HP-CB-230V	G	\$2,140	T	\$2,270	A2	\$3,550	T	\$2,270	T	\$2,460
50	130	200	CMSRV-050HP-CB-230V	H	\$2,460	H	\$2,590	Y1	\$3,870	H	\$2,590	H	\$2,780
60	154	250	CMSRV-060HP-CB-230V	H	\$2,840	H	\$2,970	Y1	\$4,260	H	\$2,970	H	\$3,170
75	192	300	CMSRV-075HP-CB-230V	J	\$4,320	J	\$4,450	Y1	\$5,480	J	\$4,450	J	\$4,640
100	248	400	CMSRV-100HP-CB-230V	J	\$4,970	J	\$5,090	Z1	\$6,380	J	\$5,090	J	\$5,290

460V

Max. UL Ratings		MCCB Amps	Part Number	NEMA 1 (-N01)		NEMA 12 (-N12)		NEMA 4x (-N4X)		NEMA 3R (-N3R)		NEMA 4 (-N04)	
HP	FLA*			DIM	Price	DIM	Price	DIM	Price	DIM	Price	DIM	Price
5	7.6	15	CMSRV-005HP-CB-460V	D3	\$690	Q	\$900	V1	\$830	Q	\$900	Q	\$1,020
7.5	11	20	CMSRV-007HP-CB-460V	D3	\$720	Q	\$930	V1	\$870	Q	\$930	Q	\$1,060
10	14	25	CMSRV-010HP-CB-460V	D3	\$760	Q	\$970	V1	\$900	Q	\$970	Q	\$1,090
15	21	35	CMSRV-015HP-CB-460V	D3	\$790	Q	\$1,000	V1	\$930	Q	\$1,000	Q	\$1,130
20	27	50	CMSRV-020HP-CB-460V	D3	\$880	Q	\$1,090	V1	\$1,020	Q	\$1,090	Q	\$1,210
25	34	60	CMSRV-025HP-CB-460V	D3	\$930	Q	\$1,140	V1	\$1,070	Q	\$1,140	Q	\$1,260
30	40	60	CMSRV-030HP-CB-460V	D3	\$990	Q	\$1,200	V1	\$1,130	Q	\$1,200	Q	\$1,320
40	52	80	CMSRV-040HP-CB-460V	D3	\$1,080	Q	\$1,290	W2	\$1,220	Q	\$1,290	Q	\$1,410
50	65	100	CMSRV-050HP-CB-460V	D3	\$1,130	Q	\$1,340	W2	\$1,270	Q	\$1,340	Q	\$1,460
60	77	125	CMSRV-060HP-CB-460V	D3	\$1,420	Q	\$1,630	W2	\$1,560	Q	\$1,630	Q	\$1,760
75	96	150	CMSRV-075HP-CB-460V	G	\$2,070	T	\$2,200	A2	\$3,490	T	\$2,200	T	\$2,390
100	124	200	CMSRV-100HP-CB-460V	H	\$2,460	H	\$2,590	Y1	\$3,870	H	\$2,590	H	\$2,780
125	156	250	CMSRV-125HP-CB-460V	H	\$2,840	H	\$2,970	Y1	\$4,260	H	\$2,970	H	\$3,170
150	180	300	CMSRV-150HP-CB-460V	J	\$2,910	J	\$3,040	Y1	\$4,320	J	\$3,040	J	\$3,230
200	240	400	CMSRV-200HP-CB-460V	J	\$4,970	J	\$5,090	Z1	\$6,380	J	\$5,090	J	\$5,290

Options

Suffix	Description	Adder
Control Transformer (choose one)		
-00000	None	\$0
-120XF	Primary same as input voltage, 120V Secondary	\$260
Operator Devices (choose one)		
-FSRV	Forward-Stop-Reverse Pushbuttons	\$145
-FORV	Forward-Off-Reverse Selector Switch	\$145
-N024	No operators, 24VAC/60Hz Coil for remote operation	\$0
-N120	No operators, 120VAC/60Hz Coil for remote operation	\$0
-N230	No operators, 230VAC/60Hz Coil for remote operation	\$0
-N480	No operators, 480VAC/60Hz Coil for remote operation	\$0
Pilot Lights (choose one)		
-00	None	\$0
-PL2	Pilot lights, 1-FWD, 1-REV (460V units also require a control transformer)	\$100

Combination Motor Starter

Non-reversing with Fusible Disconnect

Up to 200HP!
from **\$430**



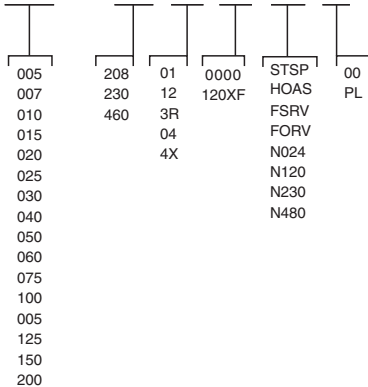
Features:

- Non-reversing contactor configurations
- Fusible disconnect offers a means of power disconnect and circuit protection
- Fuse clips accept J-type fuses (power fuses not provided)
- 208V, 230V, and 460V input voltage models available up to 200HP
- Enclosure choices are available to meet your application requirements
- Optional control transformer, reduces control voltage for operator/pilot devices and remote operators
- Optional operator device choices for easy operation of motor starter
- Optional pilot lights indicate motor starter operation

Note: J-type power fuses not provided with Fusible Disconnect

Selection Guide:

CMSNR - xxxHP - FD - xxxV - Nxx - xxxx - xxxx - xxx



Options:

- Select Control Transformer or None
- Select Operator Devices or Coil Voltage for Remote Operation
- Pilot Lights or None

208V

Max. UL Ratings		MCCB Amps	Part Number	NEMA 1 (-N01)		NEMA 12 (-N12)		NEMA 4x (-N4X)		NEMA 3R (-N3R)		NEMA 4 (-N04)	
HP	FLA*			DIM	Price	DIM	Price	DIM	Price	DIM	Price	DIM	Price
5	17.5	30	CMSNR-005HP-FD-208V	C	\$470	C2	\$610	V1	\$540	C2	\$610	C2	\$810
7.5	25	60	CMSNR-007HP-FD-208V	C	\$570	C2	\$710	V1	\$640	C2	\$710	C2	\$920
10	32	60	CMSNR-010HP-FD-208V	C	\$590	C2	\$730	V1	\$660	C2	\$730	C2	\$940
15	48	100	CMSNR-015HP-FD-208V	D3	\$830	Q	\$1,070	W2	\$1,000	Q	\$1,070	Q	\$1,260
20	62	100	CMSNR-020HP-FD-208V	D3	\$850	Q	\$1,090	W2	\$1,020	Q	\$1,090	Q	\$1,280
25	78	200	CMSNR-025HP-FD-208V	G	\$1,180	T	\$1,420	X1	\$2,010	T	\$1,420	T	\$1,610
40	120	200	CMSNR-040HP-FD-208V	G	\$1,590	T	\$1,800	A2	\$2,490	T	\$1,800	T	\$1,940
50	150	400	CMSNR-050HP-FD-208V	H	\$2,420	H	\$2,630	Y1	\$3,670	H	\$2,630	H	\$2,770
60	177	400	CMSNR-060HP-FD-208V	H	\$3,120	H	\$3,320	Y1	\$4,220	H	\$3,320	H	\$3,530
75	221	400	CMSNR-075HP-FD-208V	J	\$3,810	J	\$4,020	Y1	\$4,990	J	\$4,020	J	\$4,290

230V

Max. UL Ratings		MCCB Amps	Part Number	NEMA 1 (-N01)		NEMA 12 (-N12)		NEMA 4x (-N4X)		NEMA 3R (-N3R)		NEMA 4 (-N04)	
HP	FLA*			DIM	Price	DIM	Price	DIM	Price	DIM	Price	DIM	Price
5	15.2	30	CMSNR-005HP-FD-230V	C	\$470	C2	\$610	V1	\$540	C2	\$610	Q	\$810
7.5	22	60	CMSNR-007HP-FD-230V	C	\$520	C2	\$660	V1	\$640	C2	\$660	Q	\$870
10	28	60	CMSNR-010HP-FD-230V	C	\$570	C2	\$710	V1	\$660	C2	\$710	Q	\$920
15	42	100	CMSNR-015HP-FD-230V	D3	\$780	Q	\$1,020	W1	\$950	Q	\$1,020	Q	\$1,210
20	54	100	CMSNR-020HP-FD-230V	D3	\$830	Q	\$1,070	W2	\$1,000	Q	\$1,070	Q	\$1,260
25	68	100	CMSNR-025HP-FD-230V	D3	\$850	Q	\$1,090	W2	\$1,020	Q	\$1,090	Q	\$1,280
30	80	200	CMSNR-030HP-FD-230V	G	\$1,180	T	\$1,420	X1	\$2,010	T	\$1,420	T	\$1,610
40	104	200	CMSNR-040HP-FD-230V	G	\$1,590	T	\$1,800	A2	\$2,490	T	\$1,800	T	\$1,940
50	130	200	CMSNR-050HP-FD-230V	G	\$1,730	T	\$1,940	A2	\$2,630	T	\$1,940	T	\$2,080
60	154	400	CMSNR-060HP-FD-230V	H	\$2,420	H	\$2,630	Y1	\$3,670	H	\$2,630	H	\$2,770
75	192	400	CMSNR-075HP-FD-230V	H	\$3,120	H	\$3,320	Y1	\$4,220	H	\$3,320	H	\$3,530
100	248	400	CMSNR-100HP-FD-230V	J	\$3,810	J	\$4,020	Y1	\$4,990	J	\$4,020	J	\$4,290

460V

Max. UL Ratings		MCCB Amps	Part Number	NEMA 1 (-N01)		NEMA 12 (-N12)		NEMA 4x (-N4X)		NEMA 3R (-N3R)		NEMA 4 (-N04)	
HP	FLA*			DIM	Price	DIM	Price	DIM	Price	DIM	Price	DIM	Price
5	7.6	30	CMSNR-005HP-FD-460V	C	\$430	C2	\$570	V1	\$500	C2	\$570	Q	\$780
7.5	11	30	CMSNR-007HP-FD-460V	C	\$450	C2	\$590	V1	\$520	C2	\$590	Q	\$800
10	14	30	CMSNR-010HP-FD-460V	C	\$470	C2	\$610	V1	\$540	C2	\$610	Q	\$810
15	21	60	CMSNR-015HP-FD-460V	C	\$520	C2	\$660	V1	\$590	C2	\$660	Q	\$870
20	27	60	CMSNR-020HP-FD-460V	C	\$570	C2	\$710	V1	\$640	C2	\$710	Q	\$920
25	34	60	CMSNR-025HP-FD-460V	C	\$590	C2	\$730	V1	\$660	C2	\$730	Q	\$940
30	40	60	CMSNR-030HP-FD-460V	C	\$610	C2	\$740	V1	\$680	C2	\$740	Q	\$950
40	52	100	CMSNR-040HP-FD-460V	D3	\$830	Q	\$1,070	W2	\$1,000	Q	\$1,070	Q	\$1,260
50	65	100	CMSNR-050HP-FD-460V	D3	\$850	Q	\$1,090	W2	\$1,020	Q	\$1,090	Q	\$1,280
60	77	200	CMSNR-060HP-FD-460V	G	\$1,180	T	\$1,420	X1	\$2,010	T	\$1,420	T	\$1,610
75	96	200	CMSNR-075HP-FD-460V	G	\$1,590	T	\$1,800	A2	\$2,490	T	\$1,800	T	\$1,940
100	124	200	CMSNR-100HP-FD-460V	G	\$1,730	T	\$1,940	A2	\$2,630	T	\$1,940	T	\$2,080
150	180	400	CMSNR-150HP-FD-460V	H	\$2,420	H	\$2,630	Y1	\$3,670	H	\$2,630	H	\$2,770
200	240	400	CMSNR-200HP-FD-460V	J	\$3,810	J	\$4,020	Y1	\$4,990	J	\$4,020	J	\$4,290

Highlighted items ship in 3 days. Other items typically ship within 10 days of receipt of order except NEMA 3R units, which requires 4 weeks.

Options

Options (Add applicable suffixes to part number for ordering)		
Suffix	Description	Adder
Control Transformer (choose one)		
-00000	None	\$0
-120XF	Primary same as input voltage, 120V Secondary	\$260
Operator Devices (choose one)		
-STSP	Start-Stop Pushbuttons	\$75
-HOAS	Hand-Off-Auto Selector Switch	\$75
-N024	No operators, 24VAC/60Hz Coil for remote operation	\$0
-N120	No operators, 120VAC/60Hz Coil for remote operation	\$0
-N230	No operators, 230VAC/60Hz Coil for remote operation	\$0
-N480	No operators, 480VAC/60Hz Coil for remote operation	\$0
Pilot Lights (choose one)		
-00	None	\$0
-PL	Pilot light, indicates when starter ON, RED (460V units also require a control transformer)	\$55



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Combination Motor Starter

Reversing with Fusible Disconnect

Up to 200HP!
from **\$570**



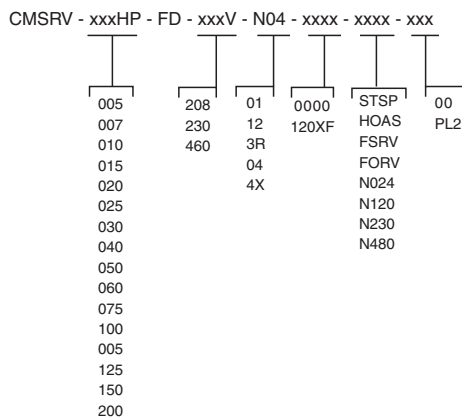
(Image shows non-reversing configuration)

Features:

- Reversing contactor configurations
- Fusible disconnect offers a means of power disconnect and circuit protection
- Fuse clips accept J-type fuses (power fuses not provided)
- 208V, 230V, and 460V input voltage models available up to 200HP
- Enclosure choices are available to meet your application requirements
- Optional control transformer, reduces control voltage for operator/pilot devices and remote operators
- Optional operator device choices for easy operation of motor starter
- Optional pilot lights indicate motor starter operation

Note: J-type power fuses not provided with Fusible Disconnect

Selection Guide:



Options:

- Select Control Transformer or None
- Select Operator Devices or Coil Voltage for Remote Operation
- Pilot Lights or None

208V

Max. UL Ratings		MCCB Amps	Part Number	NEMA 1 (-N01)		NEMA 12 (-N12)		NEMA 4x (-N4X)		NEMA 3R (-N3R)		NEMA 4 (-N04)	
HP	FLA*			DIM	Price	DIM	Price	DIM	Price	DIM	Price	DIM	Price
5	17.5	30	CMSRV-005HP-FD-208V	D3	\$640	Q	\$830	V1	\$760	Q	\$830	Q	\$920
7.5	25	60	CMSRV-007HP-FD-208V	D3	\$810	Q	\$1,000	V1	\$930	Q	\$1,000	Q	\$1,090
10	32	60	CMSRV-010HP-FD-208V	D3	\$850	Q	\$1,040	V1	\$970	Q	\$1,040	Q	\$1,130
15	48	100	CMSRV-015HP-FD-208V	E	\$1,260	R	\$1,450	W2	\$1,380	R	\$1,450	R	\$1,540
20	62	100	CMSRV-020HP-FD-208V	E	\$1,300	R	\$1,490	W2	\$1,420	R	\$1,490	R	\$1,580
25	78	200	CMSRV-025HP-FD-208V	F	\$1,540	T	\$1,800	A2	\$2,840	T	\$1,800	T	\$1,890
40	120	200	CMSRV-040HP-FD-208V	H	\$2,490	H	\$2,750	Y1	Call	H	\$2,750	H	\$2,890
50	150	400	CMSRV-050HP-FD-208V	J	\$3,810	J	\$4,070	Z1	Call	J	\$4,070	J	\$4,210
60	177	400	CMSRV-060HP-FD-208V	J	\$5,190	J	\$5,450	Z1	Call	J	\$5,450	J	\$5,590
75	221	400	CMSRV-075HP-FD-208V	J	\$6,350	J	\$6,610	Z1	Call	J	\$6,610	J	\$6,750

230V

Max. UL Ratings		MCCB Amps	Part Number	NEMA 1 (-N01)		NEMA 12 (-N12)		NEMA 4x (-N4X)		NEMA 3R (-N3R)		NEMA 4 (-N04)	
HP	FLA*			DIM	Price	DIM	Price	DIM	Price	DIM	Price	DIM	Price
5	15.2	30	CMSRV-005HP-FD-230V	D3	\$640	Q	\$830	V1	\$760	Q	\$830	Q	\$920
7.5	22	60	CMSRV-007HP-FD-230V	D3	\$710	Q	\$900	V1	\$830	Q	\$900	Q	\$990
10	28	60	CMSRV-010HP-FD-230V	D3	\$810	Q	\$1,000	V1	\$930	Q	\$1,000	Q	\$1,090
15	42	100	CMSRV-015HP-FD-230V	E	\$1,160	R	\$1,350	W1	\$1,280	R	\$1,350	R	\$1,440
20	54	100	CMSRV-020HP-FD-230V	E	\$1,260	R	\$1,450	W2	\$1,380	R	\$1,450	R	\$1,540
25	68	100	CMSRV-025HP-FD-230V	E	\$1,300	R	\$1,490	W2	\$1,420	R	\$1,490	R	\$1,580
30	80	200	CMSRV-030HP-FD-230V	F	\$1,540	T	\$1,800	A2	\$2,840	T	\$1,800	T	\$1,890
40	104	200	CMSRV-040HP-FD-230V	H	\$2,490	H	\$2,750	Y1	Call	H	\$2,750	H	\$2,890
50	130	200	CMSRV-050HP-FD-230V	H	\$2,770	H	\$3,030	Y1	Call	H	\$3,030	H	\$3,170
60	154	400	CMSRV-060HP-FD-230V	J	\$3,810	J	\$4,070	Y1	Call	J	\$4,070	J	\$4,210
75	192	400	CMSRV-075HP-FD-230V	J	\$5,190	J	\$5,450	Z1	Call	J	\$5,450	J	\$5,590
100	248	400	CMSRV-100HP-FD-230V	J	\$6,350	J	\$6,610	Z1	Call	J	\$6,610	J	\$6,750

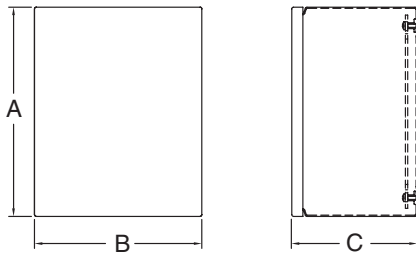
460V

Max. UL Ratings		MCCB Amps	Part Number	NEMA 1 (-N01)		NEMA 12 (-N12)		NEMA 4x (-N4X)		NEMA 3R (-N3R)		NEMA 4 (-N04)	
HP	FLA*			DIM	Price	DIM	Price	DIM	Price	DIM	Price	DIM	Price
5	7.6	30	CMSRV-005HP-FD-460V	D3	\$570	Q	\$760	V1	\$690	Q	\$760	Q	\$850
7.5	11	30	CMSRV-007HP-FD-460V	D3	\$610	Q	\$780	V1	\$720	Q	\$780	Q	\$880
10	14	30	CMSRV-010HP-FD-460V	D3	\$640	Q	\$830	V1	\$760	Q	\$830	Q	\$920
15	21	60	CMSRV-015HP-FD-460V	D3	\$710	Q	\$900	V1	\$830	Q	\$900	Q	\$990
20	27	60	CMSRV-020HP-FD-460V	D3	\$810	Q	\$1,000	V1	\$930	Q	\$1,000	Q	\$1,090
25	34	60	CMSRV-025HP-FD-460V	D3	\$850	Q	\$1,040	V1	\$970	Q	\$1,040	Q	\$1,130
30	40	60	CMSRV-030HP-FD-460V	D3	\$880	Q	\$1,070	V1	\$1,000	Q	\$1,070	Q	\$1,160
40	52	100	CMSRV-040HP-FD-460V	E	\$1,260	R	\$1,450	W2	\$1,380	R	\$1,450	R	\$1,540
50	65	100	CMSRV-050HP-FD-460V	E	\$1,300	R	\$1,490	W2	\$1,420	R	\$1,490	R	\$1,580
60	77	200	CMSRV-060HP-FD-460V	F	\$1,540	T	\$1,800	A2	\$2,840	T	\$1,800	T	\$1,890
75	96	200	CMSRV-075HP-FD-460V	H	\$2,490	H	\$2,750	Y1	Call	H	\$2,750	H	\$2,890
100	124	200	CMSRV-100HP-FD-460V	H	\$2,770	H	\$3,030	Y1	Call	H	\$3,030	H	\$3,170
150	180	300	CMSRV-150HP-FD-460V	J	\$3,810	J	\$4,070	Z1	Call	J	\$4,070	J	\$4,210
200	240	400	CMSRV-200HP-FD-460V	J	\$6,350	J	\$6,610	Z1	Call	J	\$6,610	J	\$6,750

Options

Options (Add applicable suffixes to part number for ordering)		
Suffix	Description	Adder
Control Transformer (choose one)		
-00000	None	\$0
-120XF	Primary same as input voltage, 120V Secondary	\$260
Operator Devices (choose one)		
-FSRV	Forward-Stop-Reverse Pushbuttons	\$145
-FORV	Forward-Off-Reverse Selector Switch	\$145
-N024	No operators, 24VAC/60Hz Coil for remote operation	\$0
-N120	No operators, 120VAC/60Hz Coil for remote operation	\$0
-N230	No operators, 230VAC/60Hz Coil for remote operation	\$0
-N480	No operators, 480VAC/60Hz Coil for remote operation	\$0
Pilot Lights (choose one)		
-00	None	\$0
-PL2	Pilot lights, 1-FWD, 1-REV (460V units also require a control transformer)	\$100

Combination Motor Starter – Manual Motor Starter – Enclosure Dimensions



NEMA 4/12

DIM	A	B	C
EL1	16	14	8
EL2	20	16	8
EL3	24	20	10

NEMA 3R

DIM	A	B	C
R1	16	12	8
R2	20	16	8
R3	24	20	12

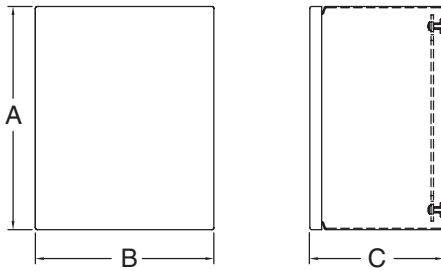
NEMA 4X

DIM	A	B	C
AM1	16	14	8
AM2	20	16	8
AM3	24	20	10
PC1	18	14	8
PC2	24	20	10

NEMA 4XSS

DIM	A	B	C
S1	16	16	8
S2	20	16	8
S3	24	20	10

Combination Motor Starter – Circuit Breaker and Fusible Disconnect – Enclosure Dimensions



NEMA 1

DIM	A	B	C
C	16	12	6.62
D3	20	16	8.62
E	24	20	8.62
E2	24	20	10.62
F	30	24	8.62
G	30	24	12.62
H	36	30	12.62
I	42	30	13.25
J	48	36	13.25

NEMA 12

DIM	A	B	C
C2	16	14	8
H	36	30	12
J	48	36	12
Q	20	16	8
R	24	20	8
R2	24	20	10
T	30	24	10
W	42	36	12

NEMA 3R

DIM	A	B	C
C2	16	14	8
H	36	30	12
J	48	36	12
Q	20	20	8
R	24	20	8
R2	24	24	10
T	30	24	10
W	42	36	12

NEMA 4

DIM	A	B	C
C	16	12	6
Q	20	16	8
H	36	30	12
J	48	36	12
R2	24	20	10
T	30	24	10

NEMA 4X

DIM	A	B	C
A2	36.25	30.63	13.8
V1	14.62	11.87	6.88
W1	23.70	14.62	6.88
W2	23.70	14.62	9.25
X1	30.25	24.63	11.8
Y1	48.25	36.63	13.8
Z1	60.25	36.63	13.8



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