

A-C FULL VOLTAGE-MAGNETIC



3 Phase Non-Reversing Combination Starters with Circuit Breaker

WHEN ORDERING SPECIFY

- Catalog Number
- Horsepower, Voltage and Frequency
- Heater coil number or full load current.

DESCRIPTION

Circuit breakers in these starters are adjustable, instantaneous trip magnetic type except the E frame breakers which are non-adjustable thermal and magnetic trip type.



Size 1, NEMA 1

FOR REMOTE CONTROL

Maximum Horsepower 60-50 Cycles			Type of Breaker Frame	NEMA Size	General Purpose NEMA 1		General Purpose NEMA 1 with Gasketed Cover		Weatherproof Watertight (Stainless Steel) NEMA 3-4		Dusttight-Industrial NEMA 5-12			Hazardous Locations NEMA 7-D & 9-EFG	
208/220 Volts	440 Volts	550 Volts			External Operating Buttons						External Operating Buttons	Internal Operating Buttons		External Operating Buttons	
					Cat. No.	Price	Cat. No.	Price	Cat. No.	Price				Cat. No.	Price
											Cat. No.	Price	Cat. No.		
2 COIL OVERLOAD RELAY—RESET ONLY															
3 3	--- 5	--- 5	E F	0	9591- H3300 H3267	\$101. 130.	9591- H3303 H3270	\$111. 140.	9591- H3646 H3647	\$197. 226.	9591- H3633 H3634	9591- H3635 H3636	\$125. 154.	9591- H3406 H3403	\$224. 248.
7½ 7½	--- 10	--- 10	E F	1	H3306 H3276	106. 135.	H3309 H3279	116. 145.	H3648 H3649	202. 231.	H3312 H3296	H3315 H3299	130. 159.	H3418 H3415	228. 254.
15 15	--- 25	--- 25	E F	2	H3341 H3329	161. 190.	H3392 H3380	177. 206.	H3650 H3651	309. 338.	H3377 H3359	H3736 H3362	195. 224.	H3430 H3427	312. 338.
30 ---	50 60	50 75	F F	3 4	H3445 H3472 H3475	275. 600.	H3451 H3481 H3484	297. 638.	H3652 H3653 H3654	533. 930.	H3463 H3499 H3502	H3466 H3505 H3506	319. 722.	H3439 H3526 H3529	557. 866.
75 100 ---	150 200 ---	--- --- 200	JA LA JA	5	H3538 H3541 H3544	1349.	H3556 H3559 H3562	1415.	H3655 H3656 H3657	1569.	H3592 H3595 H3598	H3610 H3611 H3612	1569.	H3616 H3622 H3619	1843.
200	400	400	---	6	W1	2991.	W2	3091.	---	---	W3	W4	3261.	---	---
2 COIL OVERLOAD RELAY — CONTROL TRANSFORMER — RESET ONLY															
3 3	--- 5	--- 5	E F	0	H3625 H3626	128. 157.	H3629 H3630	138. 167.	H3661 H3662	224. 253.	H3637 H3638	H3639 H3640	152. 181.	---	---
7½ 7½	--- 10	--- 10	E F	1	H3627 H3286	133. 162.	H3631 H3289	143. 172.	H3663 H3664	229. 258.	H3641 H3642	H3643 H3328	157. 186.	---	---
15 15	--- 25	--- 25	E F	2	H3628 H3335	199. 228.	H3632 H3386	215. 244.	H3665 H3666	347. 376.	H3644 H3367	H3645 H3370	233. 262.	---	---
30 ---	50 60	50 75	F F	3 4	H3448 H3478 H3512	331. 668.	H3454 H3487 H3515	353. 706.	H3667 H3668 H3669	589. 998.	H3467 H3507 H3521	H3470 H3510 H3524	375. 790.	---	---
75 100 ---	150 200 ---	--- --- 200	JA LA JA	5	H3547 H3550 H3553	1426.	H3565 H3568 H3571	1492.	H3670 H3671 H3672	1646.	H3601 H3604 H3607	H3613 H3614 H3615	1646.	---	---

3 COIL OVERLOAD RELAY—RESET ONLY

Factory Assembled 3 coil starter, add suffix "T" to catalog number, through size 4 add \$4., size 5 add \$40. size 6 add \$70.

Field Conversion from 2 coil to 3 coil, through size 4 use Spindle Kit 10176-H150—\$2.50 and heater coil—\$1.50.

Prices include necessary heater coils at \$1.50 each.

HEATER COILS For starters in NEMA 1 enclosure for average 60 cycle 1800 R.P.M. motors.

H.P.	208/220 Volts	440 Volts	550 Volts	H.P.	208/220 Volts	440 Volts	550 Volts
1/4	10177-H1017	10177-H1010	10177-H1008	10	10177-H1046	10177-H1041	10177-H1038
1/2	H1019	H1012	H1010	15	H1049	H1043	H1041
3/4	H1023	H1017	H1015	20	H1050	H1046	H1044
1	H1066	H1021	H1018	25	H1052	H1048	H1046
	H1028	H1023	H1021	30	H1055	H1048	H1046
1½	H1031	H1026	H1024	40	H1056	H1050	H1048
2	H1033	H1027	H1026	50	H1058	H1052	H1050
3	H1036	H1030	H1029	60	H1026	H1052	H1050
5	H1041	H1035	H1033	75	H1027	H1055	H1052
7½	H1045	H1038	H1036	100	H1029	H1058	H1056

For more accurate selection and for other enclosures, select heater coils by full load current. See index on page 279.

CONVERSION KITS for local cover control in NEMA 1 Enclosure.

Cover Control Kit	Size 0 & 1	Size 2, 3 & 4	Price
Start, Stop Pushbuttons....	H20	H22	\$8.
Run-Off-Auto Selector Switch.	H21	H31	8.

① 440 volts maximum.

OPTIONAL FEATURES, page 115

DIMENSIONS, page 108

DISCOUNT SCHEDULE 16D

CUTLER-HAMMER