
2731/2741, 2732/2742 and 2733/2743

STANDARD FEATURES:

- Magnetic**
- NEMA 12 Enclosure**
- External Starter Reset**
- 120 V Starter Coil Voltage**
- Visible Blade Disconnect Switch**
- Type J Fuse Clips**
- Heater Elements Included**
- UL Listed**
- CSA Certified**

Available for:

200, 230, 460, and 575 volt, 3 phase motors in NEMA starter sizes 0-5.



GENERAL DESCRIPTION

The 2731/2741, 2732/2742, and 2733/2743 combines the requirements of motor overload and short circuit protection into one convenient package. The combination starter is available without a control circuit transformer (2731, 2732, and 2733) for those cases where control circuit power is supplied from a remote source. It is also available with a control circuit transformer (2741, 2742, and 2743) for those cases where power from the same high voltage line supplying the motor will also supply the control circuit. In all cases, the disconnect switch is supplied with an auxiliary contact per the National Electrical Code (N.E.C.) see page 3 for dimensions; see Sheet 2751-1 for pushbutton station information.

Fuses and fuse reducers are not supplied with the units. North American recommends that the installing contractor specify these items.

Combination Motor Starter and Fusible Disconnect

North American Product Number Guide

Manufacturer		Allen Bradley		Square D		Cutler Hammer	
Voltage	NEMA Starter Size	Without Control	With Control	Without Control	With Control	Without Control	With Control
200/3/60	0	2731-0-1	2741-0-1	2732-0-1	2742-0-1	2733-0-1	2743-0-1
	1	2731-1-1	2741-1-1	2732-1-1	2742-1-1	2733-1-1	2743-1-1
	2	2731-2-1	2741-2-1	2732-2-1	2742-2-1	2733-2-1	2743-2-1
	3	2731-3-1	2741-3-1	2732-3-1	2742-3-1	2733-3-1	2743-3-1
	4	2731-4-1	2741-4-1	2732-4-1	2742-4-1	2733-4-1	2743-4-1
230/3/60	0	2731-0-2	2741-0-2	2732-0-2	2742-0-2	2733-0-2	2743-0-2
	1	2731-1-2	2741-1-2	2732-1-2	2742-1-2	2733-1-2	2743-1-2
	2	2731-2-2	2741-2-2	2732-2-2	2742-2-2	2733-2-2	2743-2-2
	3	2731-3-2	2741-3-2	2732-3-2	2742-3-2	2733-3-2	2743-3-2
	4	2731-4-2	2741-4-2	2732-4-2	2742-4-2	2733-4-2	2743-4-2
460/3/60	0	2731-0-3	2741-0-3	2732-0-3	2742-0-3	2733-0-3	2743-0-3
	1	2731-1-3	2741-1-3	2732-1-3	2742-1-3	2733-1-3	2743-1-3
	2	2731-2-3	2741-2-3	2732-2-3	2742-2-3	2733-2-3	2743-2-3
	3	2731-3-3	2741-3-3	2732-3-3	2742-3-3	2733-3-3	2743-3-3
	4	2731-4-3	2741-4-3	2732-4-3	2742-4-3	2733-4-3	2743-4-3
575/3/60	0	2731-0-4	2741-0-4	2732-0-4	2742-0-4	2733-0-4	2743-0-4
	1	2731-1-4	2741-1-4	2732-1-4	2742-1-4	2733-1-4	2743-1-4
	2	2731-2-4	2741-2-4	2732-2-4	2742-2-4	2733-2-4	2743-2-4
	3	2731-3-4	2741-3-4	2732-3-4	2742-3-4	2733-3-4	2743-3-4
	4	2731-4-4	2741-4-4	2732-4-4	2742-4-4	2733-4-4	2743-4-4
	5	2731-5-4	2741-5-4	2732-5-4	2742-5-4	2733-5-4	2743-5-4

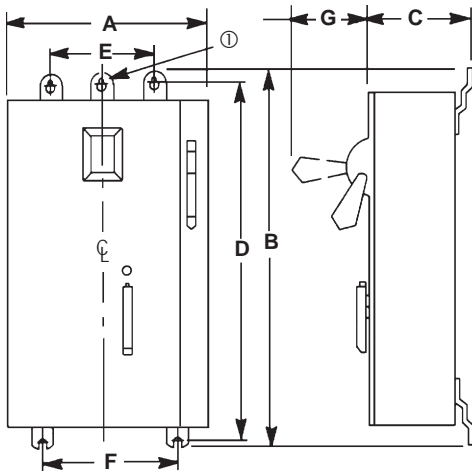
SELECTION GUIDE

Motor hp	Voltage 3 Phase 60 Hertz			Motor hp	Voltage 3 Phase 60 Hertz		
	200	230	460-575		200	230	460-575
	NEMA Starter Size	NEMA Starter Size	NEMA Starter Size		NEMA Starter Size	NEMA Starter Size	NEMA Starter Size
.5	0	0	0	25	3	3	2
.75	0	0	0	30	4	3	3
1	0	0	0	40	4	4	3
1.5	0	0	0	50	5	4	3
2	0	0	0	60	5	5	4
3	0	0	0	75	5	5	4
5	1	1	0	100	-	5	4
7.5	1	1	1	125	-	-	5
10	2	2	1	150	-	-	5
15	3	2	2	200	-	-	5
20	3	3	2				

DIMENSIONS

in inches

2731/2741



NEMA size	Wide A	High B	Deep C	D	E	F	G	Approx. wt. lb
0-1-2	10	26 ³ / ₈	8 ¹⁷ / ₃₂	25 ³ / ₈	Ⓛ	5 ¹ / ₄	5 ⁹ / ₁₆	36
3	20	26 ³ / ₈	9 ¹⁵ / ₁₆	25 ³ / ₈	10	15 ¹ / ₄	5	86
4	20	50 ³ / ₈	9 ³¹ / ₁₆	49 ³ / ₈	10	15 ¹ / ₄	7 ¹⁵ / ₁₆	165
5	30	58 ⁵ / ₈	10 ⁷ / ₁₆	57 ⁵ / ₈	20	25 ¹ / ₄	7 ²⁵ / ₃₂	210

Ⓛ Sizes 0-1-2 have one top mounting hole located on center line.
Sizes 3-4-5 have two top mounting holes located as shown.

2732-2742

NEMA size	Wide A	High B	Deep C	D	E	F	G	Approx. wt. lb
0-1	9 ¹ / ₂	24	8 ¹¹ / ₃₂	23 ¹ / ₂	4 ¹ / ₂	4 ¹ / ₂	3 ¹ / ₄	40
2	10 ¹ / ₂	27	9 ¹⁹ / ₃₂	27	5 ¹ / ₂	5 ¹ / ₂	3 ¹ / ₄	55
3	15 ¹ / ₄	42	10 ¹⁹ / ₃₂	41	9 ¹ / ₄	9 ¹ / ₄	5	111
4	16	52 ¹ / ₂	10 ¹⁷ / ₃₂	51 ¹ / ₂	10	10	5	170
5	20	78	13 ²³ / ₃₂	77	12	12	9 ¹ / ₄	250

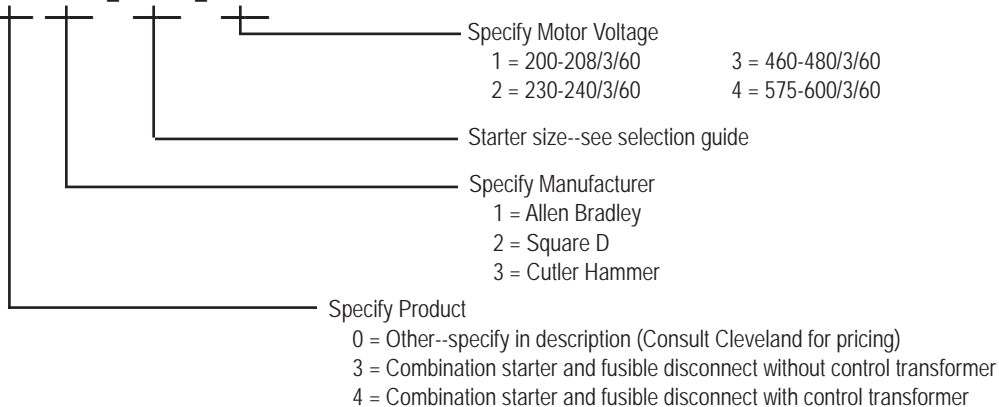
An Allen Bradley template was used for the above dimension drawing.

2733-2743

NEMA size	Wide A	High B	Deep C	D	E	F	G	Approx. wt. lb
0,1	8 ⁷ / ₈	27 ⁷ / ₈	8 ⁵ / ₈	27 ¹ / ₄	6 ¹ / ₂	6 ¹ / ₂	4 ¹ / ₈	42
2	8 ⁷ / ₈	32 ³ / ₈	8 ⁵ / ₈	31 ³ / ₄	6 ¹ / ₂	6 ¹ / ₂	4 ¹ / ₈	50
3	15 ¹ / ₄	33 ¹ / ₂	10 ⁵ / ₈	31 ⁷ / ₈	10 ¹ / ₂	10 ¹ / ₂	4 ¹ / ₈	80
4	19 ³ / ₄	49 ³ / ₄	11	48 ⁵ / ₈	15	15	4	125
5	26 ⁵ / ₈	60 ³ / ₄	13 ⁵ / ₈	59 ¹ / ₈	16 ³ / ₄	16 ³ / ₄	5 ¹ / ₂	190

ORDERING DESCRIPTION

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Example: 2732-2-3 Combination starter and fusible without control transformer - Square D size 2 starter - 460/3/60.

DIMENSIONS SHOWN ARE SUBJECT TO CHANGE. PLEASE OBTAIN CERTIFIED PRINTS FROM FIVES NORTH AMERICAN COMBUSTION, INC. IF SPACE LIMITATIONS OR OTHER CONSIDERATIONS MAKE EXACT DIMENSION(S) CRITICAL.

WARNING: Situations dangerous to personnel and property may exist with the operation and maintenance of an combustion equipment. The presence of fuels, oxidants, hot and cold combustion products, hot surfaces, electrical power in control and ignition circuits, etc., are inherent with any combustion application. Parts of this product may exceed 160F in operation and present a contact hazard. Fives North American urges compliance with National Safety Standards and insurance Underwriters recommendations, and care in operation.

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