

# AE Threaded Combination and Non-Combination Full Voltage Motor Starters

## Explosionproof, Dust-Ignitionproof, Watertight

Units Provide Disconnecting Means and Undervoltage, Circuit and Motor Running Protection.

### NEC:

Class I, Division 1 and 2, Groups C, D  
Class II, Division 1 and 2, Groups E, F, G  
Class III  
NEMA 4, 4X, 7CD, 9EFG

### Applications

- “AE” series threaded type combination and non-combination motor starters are used in areas where hazardous materials are handled or stored.
- These units provide disconnecting means, undervoltage protection, circuit protection and motor running protection.
- Full voltage across the line starting and stopping of squirrel cage induction motors.
- Remote starting and stopping motor as needed.

### Features

- Cast on slotted mounting feet.
- Ground lug package and installation instructions for termination of ground wires.
- Reset operator with stainless steel shaft.
- Breaker handles can be locked in the ON or OFF position (combination starters only).
- Drilled and tapped outlets.
- Standard outlets are determined by motor starter size.
- Outlets for remote control wiring.
- Plugged 1/2” outlets top and bottom for breather and drain.
- Three plugged 3/4” NPSM outlets drilled and tapped for needed lights or switches.
- Ample space is provided for installation and wiring of additional accessories.
- Painted removable pan.
- Enclosures are designed to accept GE <sup>▶</sup>, Square D <sup>■</sup> and Cutler-Hammer <sup>+</sup> motor starters. For other brands—contact your local representative. Cutler-Hammer furnished standard unless otherwise specified.
- Motor circuit protectors are available on combination starters.
- Enclosures furnished with or without components.
- Readily accessible circuit breaker mounted outside the center housing.
- Rated for NEMA 4X (gray epoxy-coated inside and outside).
- Acme screw type square threads designed to prevent seizing.
- Bell threads are located inside the housing—protects against damage or contaminants.

### Standard Materials

- Housings: copperfree (4/10 of 1%) aluminum
- Shaft, bushings and exposed hardware: stainless steel

### Standard Finishes

- Housings: epoxy - coated inside and outside

### Options

- See modifications page.

### NEC Certifications and Compliances

- UL Standards: UL 508, UL 698, UL 1203
- UL Classified: E84577



Exterior



Interior

▶ GE is a registered trademark of General Electric Company.  
■ Square D is a registered trademark of Schneider Electric.  
+ Cutler-Hammer is a registered trademark of Eaton Corporation.

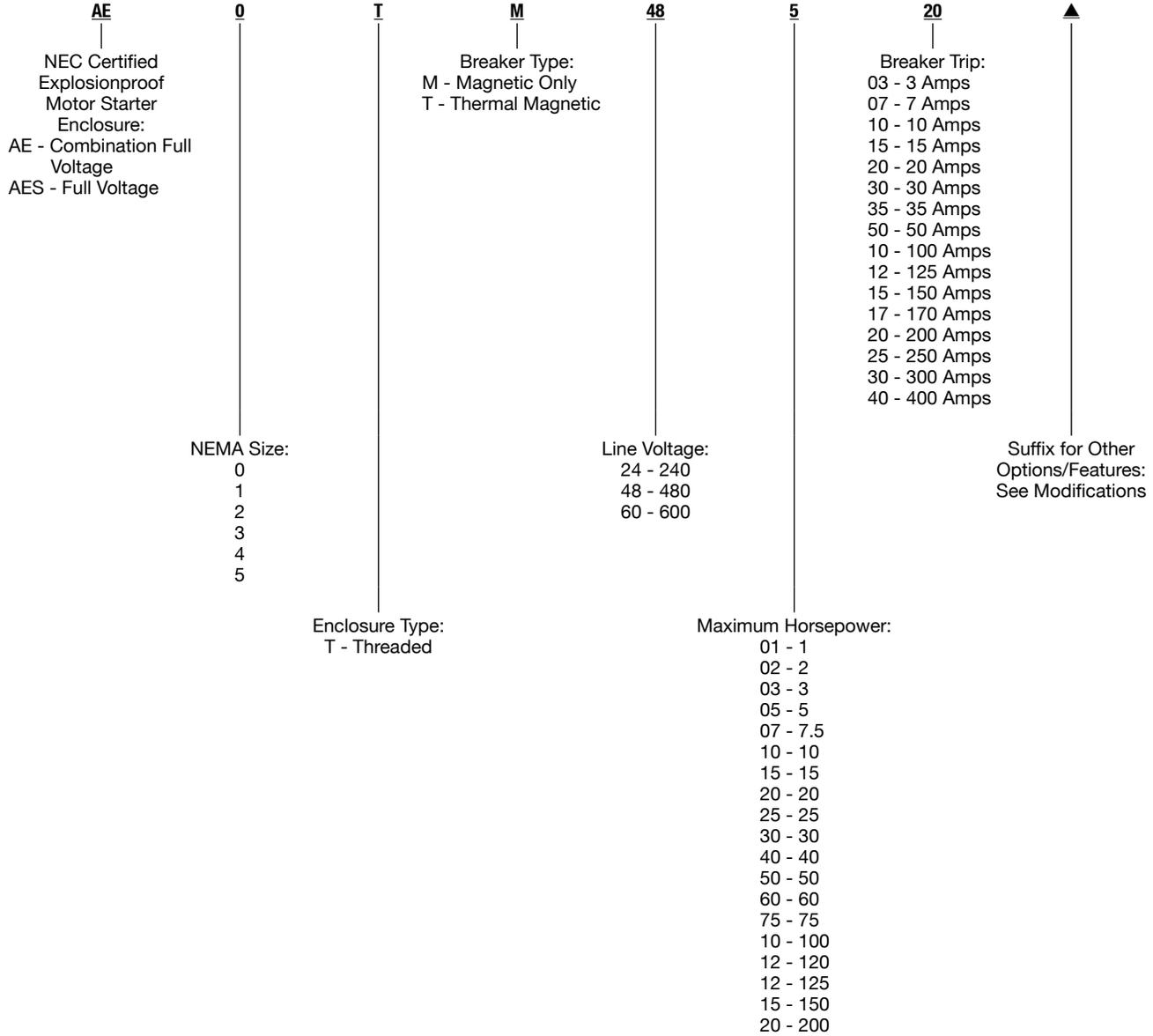
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### Catalog Numbering Guide



# AE Threaded Combination Full Voltage Motor Starters With Thermal Magnetic Breakers

Explosionproof, Dust-Ignitionproof, Watertight

Threaded Enclosure. 3-Phase, 60 Hertz, Nonreversing.

**NEC:**

Class I, Division 1 and 2, Groups C, D  
 Class II, Division 1 and 2, Groups E, F, G  
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NEC/CEC CLASS/ZONE RATED HAZARDOUS LOCATION MOTOR STARTERS

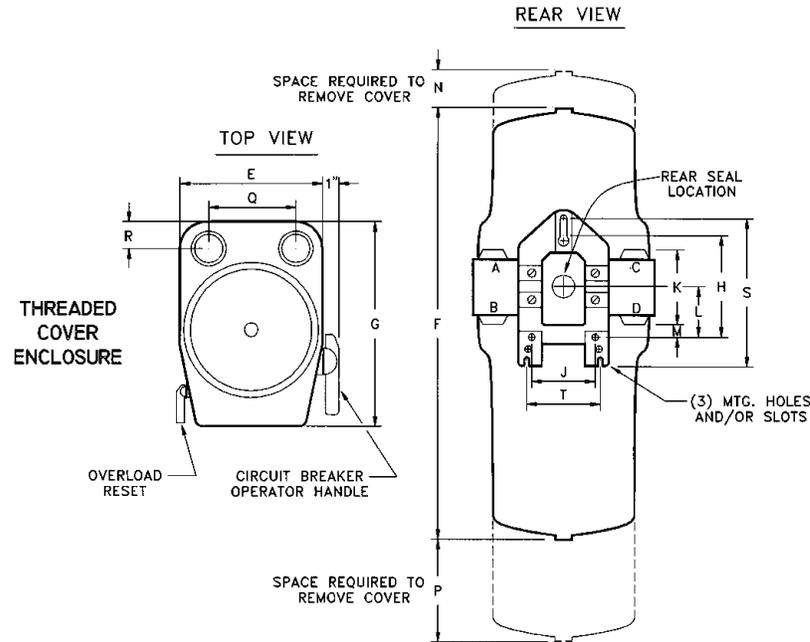
Line Voltage	Maximum Horsepower	NEMA Size	Breaker Amps	Catalog Numbers <sup>▲</sup>	Weight kg (lb)	Conduit Sizes Loc. A, B, C and D		Mounting Hardware Set Catalog Number	
						Standard (Inches)	Maximum (Inches)		
240	2	0	15	AE0TT-240215	32 (70)	1-1/4	1-1/2	AMH2	
	3		20	AE0TT-240320					
	5	1	35	AE1TT-240535	32 (70)	1-1/4	1-1/2		
	7-1/2		50	AE1TT-240750					
	10	2	50	AE2TT-241050	50 (110)	1-1/2	1-1/2		
	15		100	AE2TT-241510					
	20	3	100	AE3TT-242010	57 (125)	2	2-1/2		
	30		125	AE3TT-243012					
	40	4	175	AE4TT-244017	59 (130)	2-1/2	2-1/2		
	50		200	AE4TT-245020					
	60	5	250	AE5TT-246025	150 (330)	4	4		AMH5
	75		300	AE5TT-247530					
100	400		AE5TT-241040						
480	3	0	15	AE0TT-480315	32 (70)	1-1/4	1-1/2	AMH2	
	5		20	AE0TT-480520					
	7-1/2	1	30	AE1TT-480730	32 (70)	1-1/4	1-1/2		
	10		35	AE1TT-481035					
	20	2	50	AE2TT-482050	50 (110)	1-1/2	1-1/2		
	25		70	AE2TT-482570					
	50	3	100	AE3TT-485010	57 (125)	2	2-1/2		
	60		125	AE4TT-486012					
	75	4	150	AE4TT-487515	59 (130)	2-1/2	2-1/2		AMH2
	100		200	AE4TT-481020					
	125	5	250	AE5TT-481225	150 (330)	4	4		AMH5
	150		300	AE5TT-481530					
	200		400	AE5TT-482040					
600	5	0	15	AE0TT-600515	32 (70)	1-1/4	1-1/2	AMH2	
	7-1/2		20	AE1TT-600720					
	10	1	30	AE1TT-601030	32 (70)	1-1/4	1-1/2		
	15		40	AE2TT-601540					
	25	2	50	AE2TT-602550	50 (110)	1-1/2	1-1/2		
	30		70	AE3TT-603070					
	50	3	100	AE3TT-605010	57 (125)	2	2-1/2		
	75		125	AE4TT-607512					
	100	4	150	AE4TT-601015	59 (130)	2-1/2	2-1/2		
	150		250	AE5TT-601525					
	200	5	300	AE5TT-602030	136 (300)	4	4		AMH5

▲ To complete the catalog number please add the appropriate suffix for other options/features. Suffixes, see AE Threaded Combination and Non-Combination Full Voltage Motor Starter Modifications.

# AE Threaded Combination/Non-Combination Full Voltage Motor Starter

Explosionproof, Dust-Ignitionproof, Watertight

Threaded Enclosure. 3-Phase, 60 Hertz, Nonreversing.



**Dimensions in Millimeters (Inches)** — Dimensions are approximate, not for construction

Dimensions	AE0T and AES0T	AE1T and AES1T	AE2T and AES2T	AE3T and AES3T	AE4T and AES4T	AE5T and AES5T
E	270.0 (10.63)	270.0 (10.63)	352.5 (13.88)	339.8 (13.38)	339.8 (13.38)	9482.6 (19.00)
F	660.4 (26.00)	660.4 (26.00)	774.7 (30.50)	1003.3 (39.50)	1003.3 (39.50)	1358.9 (53.50)
G	387.3 (15.25)	387.3 (15.25)	488.9 (19.25)	514.3 (20.25)	514.3 (20.25)	704.8 (27.75)
H	203.2 (8.00)	203.2 (8.00)	203.2 (8.00)	203.2 (8.00)	203.2 (8.00)	—
J	120.6 (4.75)	120.6 (4.75)	120.6 (4.75)	120.6 (4.75)	120.6 (4.75)	—
K	136.6 (5.38)	136.6 (5.38)	133.3 (5.25)	190.5 (7.50)	190.5 (7.50)	285.75 (11.25)
L	95.5 (3.75)	95.5 (3.75)	95.5 (3.75)	95.2 (3.75)	95.2 (3.75)	146.0 (5.75)
M	26.9 (1.06)	26.9 (1.06)	26.9 (1.06)	—	—	3.3 (0.13)
N	190.5 (7.50)	190.5 (7.50)	190.5 (7.50)	196.8 (7.75)	266.7 (10.50)	406.4 (16.00)
P	279.4 (11.00)	279.4 (11.00)	457.2 (18.00)	584.2 (23.00)	584.2 (23.00)	524.0 (20.63)
Q	185.6 (7.31)	185.6 (7.31)	238.2 (9.38)	219.2 (8.63)	219.2 (8.63)	289.0 (11.38)
R	52.3 (2.06)	52.3 (2.06)	69.8 (2.75)	76.2 (3.00)	76.2 (3.00)	107.4 (4.32)
S	—	—	—	—	—	304.8 (12.00)
T	—	—	—	—	—	165.1 (6.50)

**Approximate Weight in Kilograms (Pounds)**

For Enclosure Only	AE0T	AE1T	AE2T	AE3T	AE4T	AE5T
	27.0 (60)	27.0 (60)	45.0 (100)	49.5 (110)	49.5 (110)	94.5 (210)
	AES0T	AES1T	AES2T	AES3T	AES4T	AES5T
27.0 (60)	27.0 (60)	42.75 (95)	45.0 (100)	45.0 (100)	87.7 (195)	