

**TopTech**  
comfort | excellence



c **UL** <sup>®</sup> US

**FRACTIONAL HORSEPOWER MOTORS**

# Features and Benefits



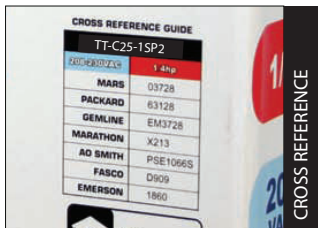
COLOR PACKAGING

Bright, colorful, easy to read packaging removes confusion about motors additionally, the distributor can easily identify the stock of motors on the shelf. The application, voltage, and horsepower of a motor are visible at a glance



INNOVATIVE PACKAGING

A unique styrofoam cradle inside the carton supports and protects the motor shaft, and mounting bolts during shipment.



CROSS REFERENCE

For your convenience, TopTech provides a complete manufacturer cross-reference on the side of every motor carton.



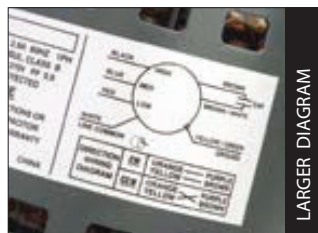
CARTON HANDLE

The motor carton has been designed with an innovative handle to make the motors much easier to carry



CAPACITOR SIZE

The appropriate size 370 VAC run capacitor is noted on every motor carton.



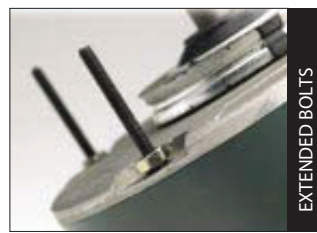
LARGER DIAGRAM

An extra large wiring diagram supplied on the motor carton, as well as in the installation and safety instruction sheet, is highly visible and very easy to read.



LARGE LABEL

Informative product label contains the motor model number in large type. The UPC is also printed on every motor label.



EXTENDED BOLTS

Extended mounting bolts provide for easier installation in cramped spaces. With the longer bolts, the installer is able to more easily start the threaded mounting nut.



EXTENDED WIRES

TopTech motor wires are thirty inches long. The added length makes it easier for the contractor to install the new motor.



WIRE STRIPPING

Partial stripping leaves the insulation on the motor connection wire. This protects the stranded copper wire and prevents damage to individual strands.



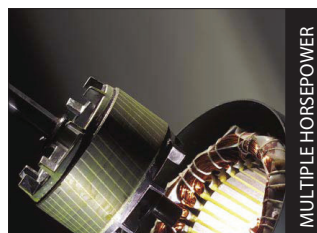
REVERSING PLUG

The electrical reversing plug simplifies rotation direction changes.



INSULATED DISCONNECTS

Run capacitor connections are insulated for increased safety. Flag disconnects on condenser fan motors and inline disconnects on direct drive furnace blower motors are provided.



MULTIPLE HORSEPOWER

Allows the contractor and distributor to consolidate multiple part codes into a single stocking unit. Carry one motor that can replace a wide variety of OEM and other replacement motors, saving time and money.



LIMITED WARRANTY

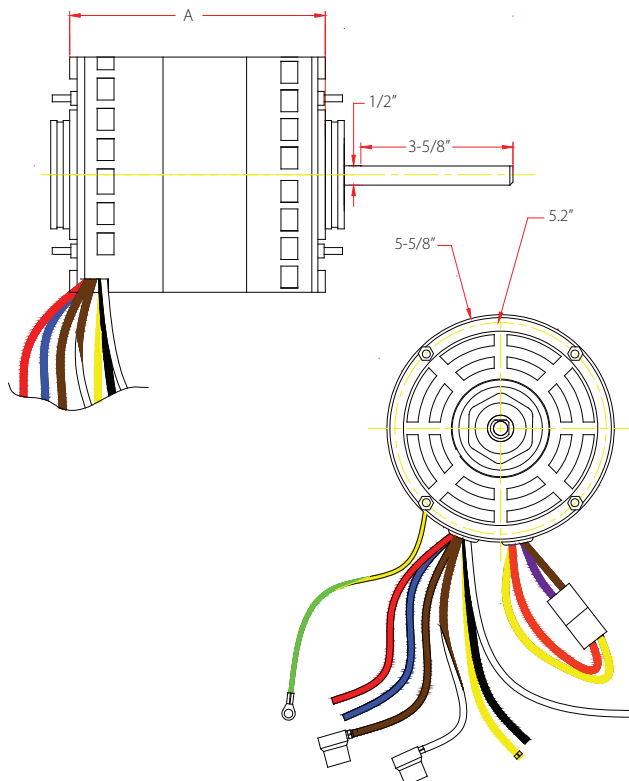
All TopTech motors are warranted to be free of defects in workmanship and materials for 12 months from the date of sale from the distributor to the contractor, or 18 months from the date of Manufacture, whichever comes first.

# Technical Specifications

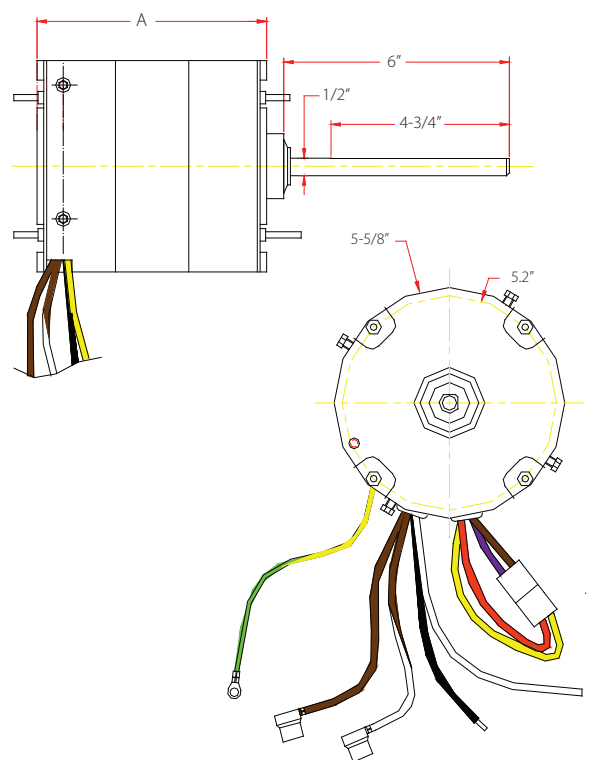
	Part Number	HP	Voltage	Amps	Speed	Capacitor	Bearing	Size "A"	Total weight
Direct Drive Furnace Blower Motors	TT-E25-3SP1	1/4hp	115V 60HZ	4.60	1075 / 3	5uF/370V	SLEEVE	4.213"	10
	TT-E25-3SP2	1/4hp	208/230V 60Hz	2.20	1075 / 3	5uF/370V	SLEEVE	4.213"	12
	TT-E33-3SP1	1/3hp	115V 60HZ	6.70	1075 / 3	5uF/370V	SLEEVE	4.469"	12
	TT-E33-3SP2	1/3hp	208/230V 60Hz	2.90	1075 / 3	5uF/370V	SLEEVE	4.469"	12
	TT-E50-3SP1	1/2hp	115V 60HZ	10.20	1075 / 3	5uF/370V	SLEEVE	5.472"	16.28
	TT-E50-3SP2	1/2hp	208/230V 60Hz	5.00	1075 / 3	5uF/370V	SLEEVE	5.217"	16.28
	TT-E75-3SP1	3/4hp	115V 60HZ	11.30	1075 / 3	15uF/370V	SLEEVE	5.472"	19.36
	TT-E75-3SP2	3/4hp	208/230V 60Hz	5.40	1075 / 3	10uF/370V	SLEEVE	5.472"	19.36
	TT-E10-3SP1	1 HP	115V 60HZ	12.60	1075/3	20uF/370V	BALL	6.122"	22
	TT-E10-3SP2	1 HP	208/230V 60HZ	5.59	1075/3	15uF/370V	BALL	5.728"	22
Condenser Fan Motors	TT-C16-1SP2	1/6hp	208/230V 60Hz	1.30	1075/1	5uF/370V	SLEEVE	4.25"	9.46
	TT-C25-1SP2	1/4hp	208/230V 60Hz	2.20	1075/1	5uF/370V	SLEEVE	4.25"	12
	TT-C33-1SP2	1/3hp	208/230V 60Hz	2.80	1075/1	7.5uF/370V	SLEEVE	4.52"	12
	TT-C50-1SP2	1/2hp	208/230V 60Hz	4.20	1075/1	10uF/370V	SLEEVE	5.29"	16.28
	TT-C75-1SP2	3/4hp	208/230V 60Hz	4.50	1075/1	10uF/370V	SLEEVE	5.75"	22

	Part Number	Voltage	Speed	Capacitor	Bearing	(1) HP FLA	(2) HP FLA	(3) HP FLA	(4) HP FLA	(5) HP FLA	Size "A"	Total weight
Direct Drive Furnace Blower Motor	TT-E50-MSP2	208/230V 60Hz	1075/4	10uF/370V	BALL	1/2 - 7.0	1/3 - 6.7	1/4 - 4.4	1/5 - 3.2	1/6 - 2.4	4.862"	17.16
	TT-E50-MSP1	115V 60HZ	1075/4	10uF/370V	BALL	1/2 - 3.9	1/3 - 3.6	1/4 - 2.5	1/5 - 1.8	1/6 - 1.3	4.862"	17.16
	TT-E75-MSP1	115V 60HZ	1075/4	10(20)uF/370V	BALL	3/4 - 8.1	1/2 - 6.6	1/3 - 4.6	1/4 - 3.8	1/5 - 3.1	5.708"	18.92
	TT-E75-MSP2	208/230V 60Hz	1075/4	10(20)uF/370V	BALL	3/4 - 3.8	1/2 - 3.7	1/3 - 2.5	1/4 - 1.8	1/5 - 1.7	5.708"	18.92
Condenser Fan Motor	TT-C33-MSP2	208/230V 60Hz	1075/2	7.5/5uF/370V	BALL	1/3 - 2.8	1/4 - 2.0	1/5 - 1.7	1/6 - 1.5	N/A	4.53"	13.64
	TT-C33-MSP3	208/230V 60Hz	825/2	10/7.5uF/370V	BALL	1/2 - 3.0	1/3 - 2.5	1/4 - 2.0	1/5 - 1.3	N/A	5.32"	15.84
	TT-C50-MSP2	208/230V 60Hz	1075/2	12.5/10uF/370V	BALL	1/3 - 2.1	1/4 - 1.7	1/5 - 1.5	1/6 - 1.2	N/A	5.32"	14.52

Blower Motor Drawing



Condenser Fan Motor Drawing





## Why Sell TopTech Motors

TopTech motors are 100% functionally tested during manufacturing and then retested after final assembly for everything from input power to Hi-Pot and continuity testing.

TopTech motors require compliance verification of incoming raw materials for dimensional, mechanical, and specifications identified in the drawing and quality procedure.

TopTech furnace blower motors are rated for higher ambient temperatures so they can be used in more applications and in more regions.

# MOTOR CROSS REFERENCE GUIDE

Application	HP	Voltage	Speed	370V Capacitor	TopTech	Mars	Packard	Gemline	Marathon	AO Smith	Fasco	Emerson	Smart
Condenser Fan Motor	3/4	208-230	1075/1	10	TT-C75-1SP2	03731				FSE1076S	D929	1868	SE3731
	1/2	208-230	1075/1	10	TT-CS0-1SP2	03730	63130	EM3730	X221	FSE1066S	D907	1862	SE3730
	1/3	208-230	1075/1	7.5	TT-C33-1SP2	03729	63129	EM3729	X214	FSE1036S	D908	1861	SE3729
	1/4	208-230	1075/1	5	TT-C25-1SP2	03728	63128	EM3728	X213	FSE1026S	D909	1860	SE3728
	1/6	208-230	1075/1	5	TT-C16-1SP2	03727			X411	FSE1016S	D905	1859	SE3727
	1/6 to 1/3	208-230	1075/2		TT-C33-MSP2					FE6000	D2827	5462	SE3465
	1/5 to 1/2	208-230	1075/2		TT-CS0-MSP2					FE6002		5465	SE3468
	1/6 to 1/3	208-230	825/2		TT-C33-MSP3					FE6001	D2826	5464	SE3469
	1	115	1075/3	20	TT-E10-3SP1	03595				BDL1106		8906	
	1	208-230	1075/3	15	TT-E10-3SP2	03596			X023	BD1106		8907	
	3/4	115	1075/3	15	TT-E75-3SP1	03589		EM3589	X009	DL1076	D728	8904	SE3589
	3/4	208-230	1075/3	10	TT-E75-3SP2	03590	63990	EM3590	X010	D1076	D729	8905	SE3590
Direct Drive Furnace Blower Motor	1/2	115	1075/3	5	TT-E50-3SP1	03587	63987	EM3587	X004	FDL1056	D701	1865	SE3587
	1/2	208-230	1075/3	5	TT-E50-3SP2	03588	63988	EM3588	X005	FD1056	D703	1973	SE3588
	1/3	115	1075/3	5	TT-E33-3SP1	03585		EM3585	X002	FDL1036	D727	1864	SE3585
	1/3	208-230	1075/3	5	TT-E33-3SP2	03586	63986	EM3586	X003	FD1036	D923	1972	SE3586
	1/4	115	1075/3	5	TT-E25-3SP1	03583	63983	EM3583		FDL1026	D721	1863	SE3583
	1/4	208-230	1075/3	5	TT-E25-3SP2	03584	63984	EM3584	X001	D1026	D725	1971	SE3584
	1/6 to 1/2	115	1075/4		TT-E50-MSP1					FDL6001	D2835	5460	SE3463
	1/6 to 1/2	208-230	1075/4		TT-E50-MSP2					FDL6000	D833	5461	
	1/5 to 3/4	115	1075/4		TT-E75-MSP1					FDL6002	D2832	5470	SE3466
	1/5 to 3/4	208-230	1075/4		TT-E75-MSP2					FD6001	D2833	5471	SE3467

### Cross Reference Guidelines

- Horsepower must be within +/- 10% of OEM
- Replacement motor voltage must match OEM exactly
- Minimum current rating should equal OEM maximum and should not exceed + 10%
- Speed should be within +/- 10% of OEM
- Capacitor value should match value on replacement motor label

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