

PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 225MTFC6526
Catalog No: R501
60,1800,TEFC,225M,3/60/230/460
TEFC



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REGAL[®]



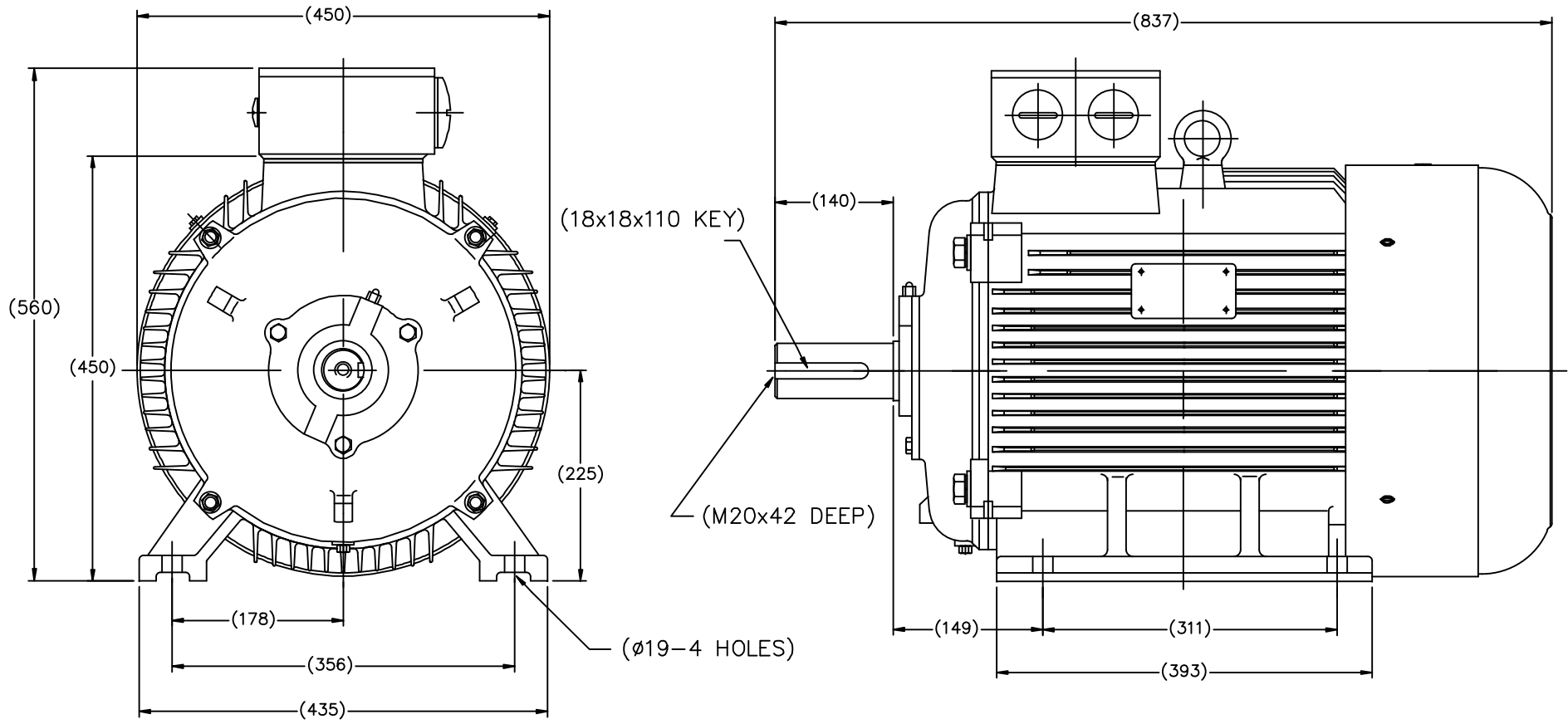
Nameplate Specifications

Output HP	60 Hp	Output KW	45.0 kW
Frequency	60 Hz	Voltage	230/460 V
Current	138.0/69.0 A	Speed	1786 rpm
Service Factor	1.15	Phase	3
Efficiency	95 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	G	Frame	225M
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6313
Opp Drive End Bearing Size	6213	UL	Recognized
CSA	Y	CE	Y
IP Code	55		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Part Wdg Start & Wye Start Delta Run Or Inverter
Poles	4	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Cast Iron	Shaft Type	IEC
Overall Length	32.95 in	Shaft Diameter	2.333 in
Shaft Extension	5.5 in	Assembly/Box Mounting	F3
Outline Drawing	SS622330	Connection Diagram	00417201ME

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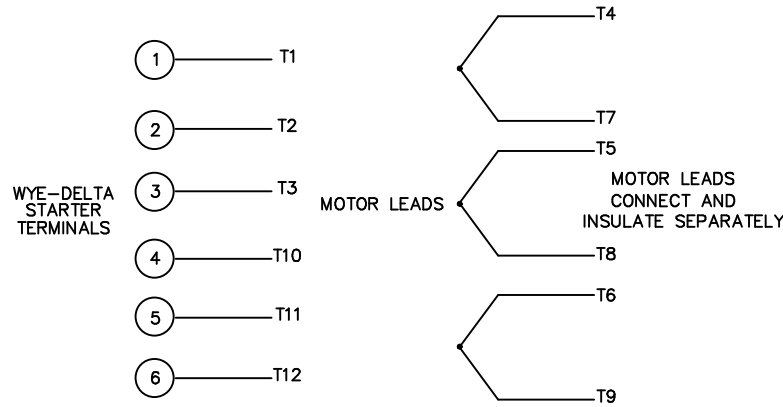
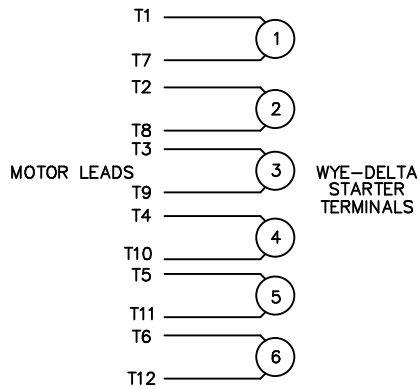
DRAWING NOT TO SCALE

		TOLERANCES UNLESS SPECIFIED				DRAWN MOL 12-01-2011	
		DEC.	METRIC			CHK	MOL 12-01-2011
		.X	±2.5			APPD	
		.XX	±.76	TITLE OUTLINE		SCALE	1=30
		.XXX	±.127	IEC-225M-4-TEFC		REF	
		.XXXX	±.0127	MAT'L.		FMF	HEBEI
NO.	REVISION	BY & DATE	CHK	ANG	FINISH	PREV	
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT				RFP	CAD FILE SS622330	SIZE	DRAWING NO. PAGE OF REV.
				DIST		B	SS622330

WYE - DELTA STARTING USEABLE ON 2,4 AND 6 POLE MOTORS.

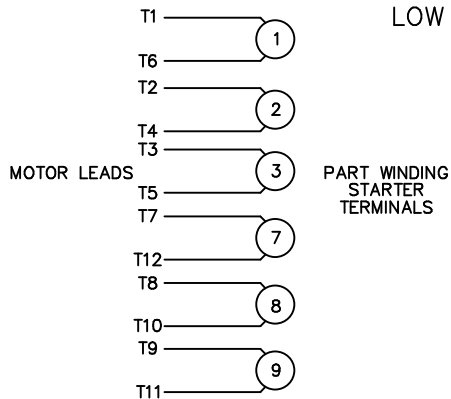
LOW VOLTAGE CONNECTION

HIGH VOLTAGE CONNECTION



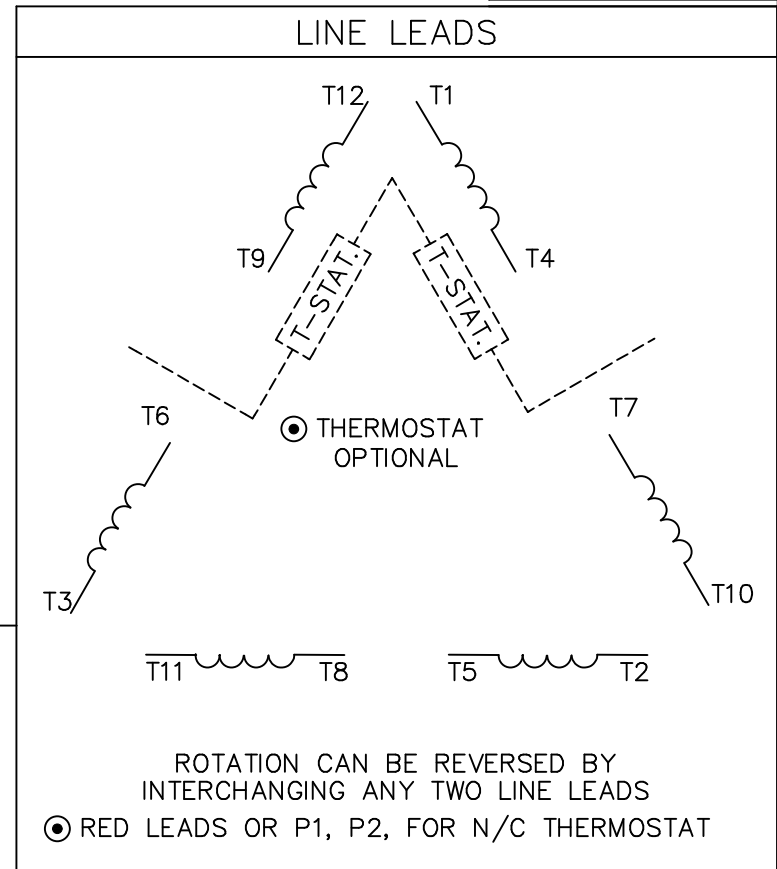
REFER TO THE WYE-DELTA STARTER CONNECTION INSTRUCTIONS FOR PROPER CONNECTION OF POWER LINES TO STARTER.

PART WINDING START USABLE ON 4 & 6 POLE MOTORS
LOW VOLTAGE CONNECTION ONLY



REFER TO THE PART WINDING STARTER INSTRUCTIONS FOR PROPER CONNECTION OF POWER LINES TO STARTER.

REFER TO THE CUTLER - HAMMER OR EQUIV. FOR PROPER SELECTION OF OVERLOAD HEATER COILS.



ACROSS THE LINE START & RUN				
	LINE 1	LINE 2	LINE 3	JOIN & INSULATE SEPARATELY
HIGH VOLT	T1,T12	T2,T10	T3,T11	(T4,T7) (T5,T8) (T6,T9)
LOW VOLT	T1,T6 T7,T12	T2,T4 T8,T10	T3,T5 T9,T11	

				TOLERANCES UNLESS SPECIFIED	
				DEC.	INCHES
				.X	±.1
03	REV'D LOW VOLTAGE CONN. LEADS PER ELEC.	BJB 06/07/00	.XX	±.01	
02	ADDED T-STAT. NOTES PER ELECTRICAL	KMM 06/02/98	.XXX	±.005	
01	REDRAWN TO CAD	DBT 06/02/97	.XXXX	±.0005	
NO.	REVISION	BY & DATE	CHK	ANG	±1/2'
			RFP		
			DIST		

MARATHON ELECTRIC

DRAWN WLW 09/08/77
CHK RPB 09/12/77
APPD JCW 09/12/77
SCALE 1=1
REF
FMF
PREV

TITLE DELTA - WYE CONNECTION DIAGRAM		CAD FILE 00417201ME		SIZE A	DRAWING NO. 004172-01ME	REV. 03
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** Subject to change without notice.

