

# PRODUCT INFORMATION PACKET

Model No: 365TSTFC6026  
Catalog No: E804A  
75,1800,TEFC,365TS,3/60/230/460  
Totally Enclosed Fan Cooled (TEFC)



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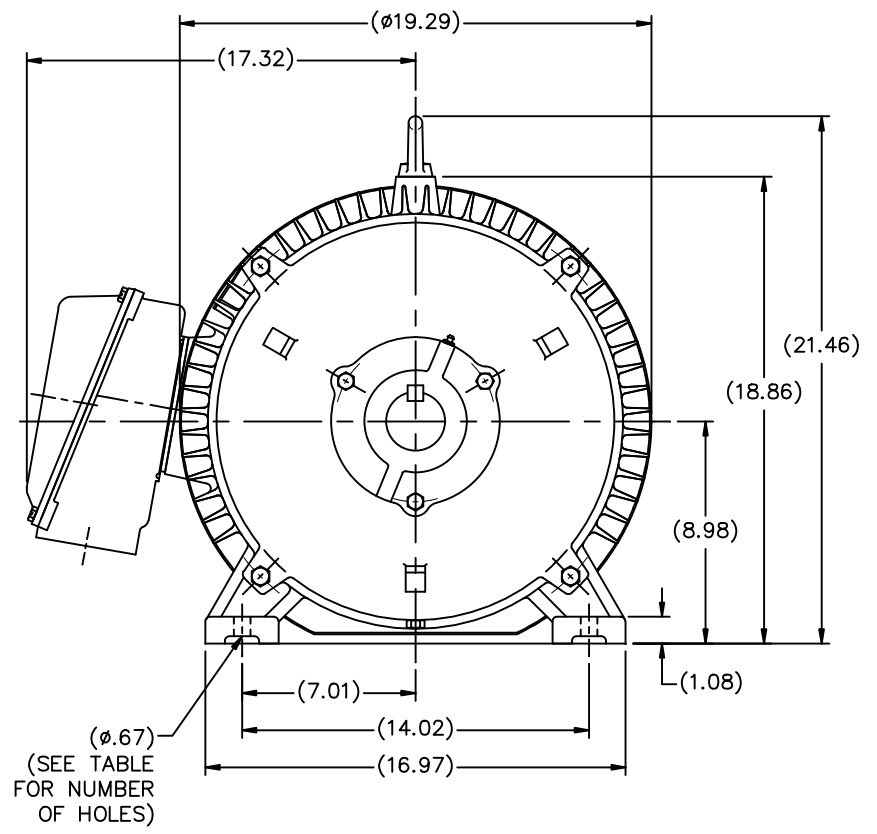
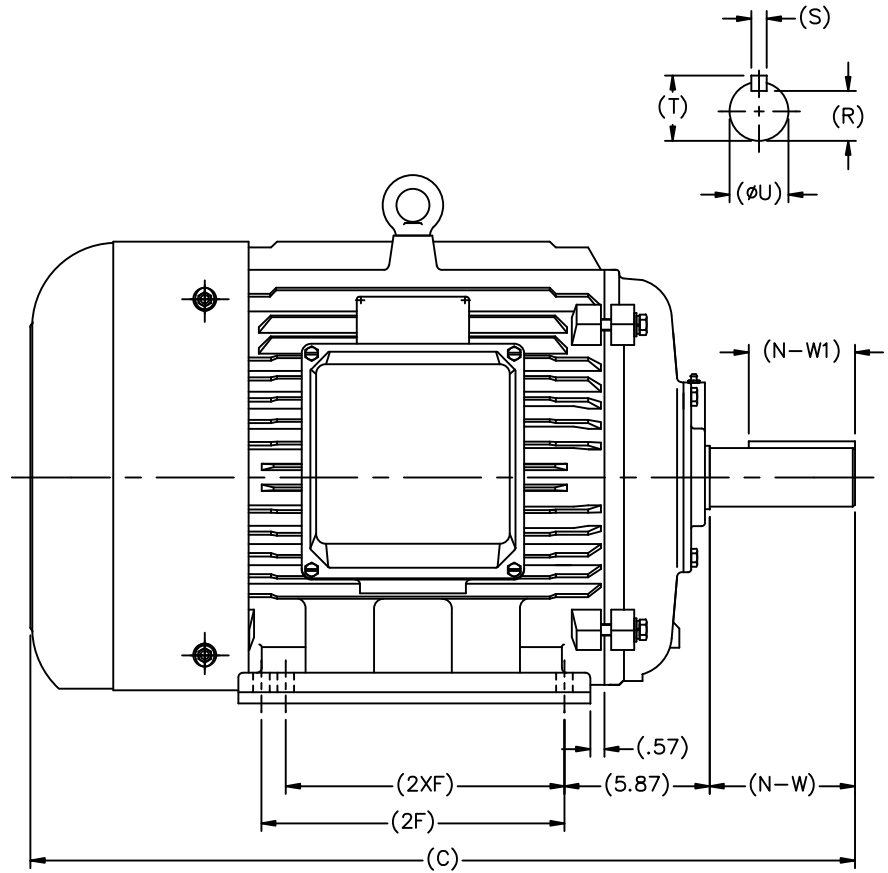
### Nameplate Specifications

Output HP	<b>75 Hp</b>	Output KW	<b>56.0 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>230/460 V</b>
Current	<b>171.0/85.5 A</b>	Speed	<b>1785 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>3</b>
Efficiency	<b>95.8 %</b>	Duty	<b>Continuous</b>
Insulation Class	<b>F</b>	Design Code	<b>B</b>
KVA Code	<b>G</b>	Frame	<b>365TS</b>
Enclosure	<b>Totally Enclosed Fan Cooled</b>	Overload Protector	<b>No</b>
Ambient Temperature	<b>40 °C</b>	Drive End Bearing Size	<b>6313</b>
Opp Drive End Bearing Size	<b>6313</b>	UL	<b>Recognized</b>
CSA	<b>Y</b>	CE	<b>Y</b>
IP Code	<b>43</b>		

### Technical Specifications

Electrical Type	<b>Squirrel Cage Inverter Rated</b>	Starting Method	<b>Line Or Inverter</b>
Poles	<b>4</b>	Rotation	<b>Reversible</b>
Mounting	<b>Rigid base</b>	Motor Orientation	<b>Horizontal</b>
Drive End Bearing	<b>Ball</b>	Opp Drive End Bearing	<b>Ball</b>
Frame Material	<b>Cast Iron</b>	Shaft Type	<b>TS</b>
Overall Length	<b>31.18 in</b>	Shaft Diameter	<b>1.875 in</b>
Shaft Extension	<b>3.75 in</b>	Assembly/Box Mounting	<b>F1/F2 Capable</b>
Outline Drawing	<b>SS622180ME</b>	Connection Diagram	<b>00417203ME</b>

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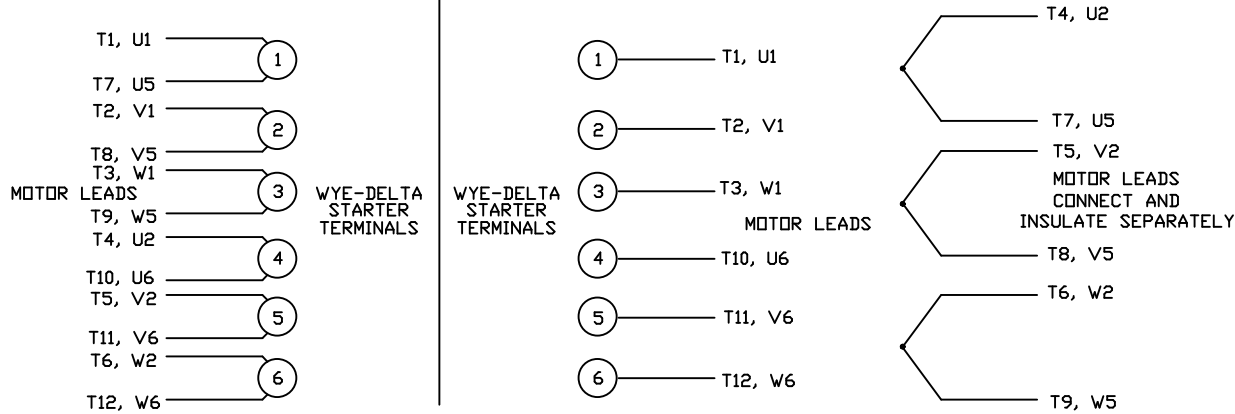
FRAME	C	2F	2XF	HOLES	N-W	N-W1	øU	R	S	T
NT364TS-2	30.20	11.26	---	4	3.74	2.05	1.87	1.59	0.50	2.09
NT365TS-2	31.18	12.24	11.26	6						
NT364T-4, 6	32.32	11.26	---	4	5.87	4.29	2.37	2.01	0.63	2.64
NT365T-4, 6	33.31	12.24	11.26	6						

NO.		REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH	PREV	
1		REMOVED LOGO FROM C'BOX FACE PER HEBEI	JJB 4/18/2011						
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									
TOLERANCES UNLESS SPECIFIED DEC. INCHES .X ±.1 .XX ±.03 .XXX ±.005 .XXXX ±.0005							<b>MARATHON ELECTRIC</b> TITLE OUTLINE 360 FR. - TEFC - (REDESIGNED)		
RFP DIST							CAD FILE SS622180ME	SIZE B DRAWING NO. SS622180ME	DRAWN MSG 02-13-2007 CHK ML 02-16-2007 APPD SB 02-23-2007 SCALE 1=5 REF FMP HEBEI REV. 1

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

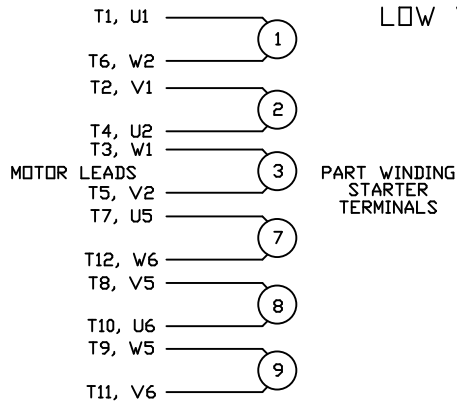
LOW VOLTAGE CONNECTION

HIGH VOLTAGE CONNECTION



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

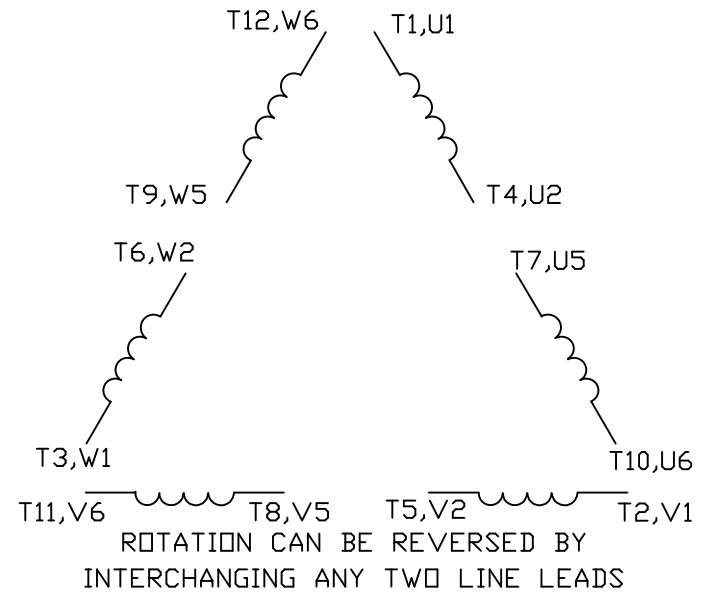
PART WINDING START USABLE ON 4 & 6 POLE MOTORS  
LOW VOLTAGE CONNECTION ONLY



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.

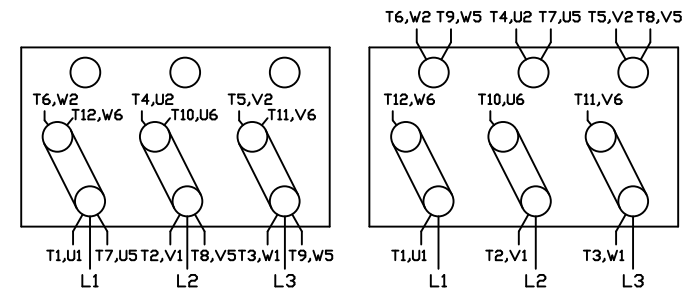
LINE LEADS



12 LEAD DELTA CONNECTION ACROSS THE LINE START  
(FOR Y START DELTA RUN, REMOVE THE JUMPERS)

LOW VOLTAGE  
(MUST BE REWIRED AS SHOWN)

HIGH VOLTAGE  
(FACTORY WIRED FOR HIGH VOLTAGE AS SHOWN)



TOLERANCES UNLESS SPECIFIED

DEC. INCHES

.X ±.1

.XX ±.01

.XXX ±.005

.XXXX ±.0005

ANG ±1/2\*



TITLE DELTA - WYE CONNECTION DIAGRAM  
IEC CAST IRON MOTORS

MAT'L.

FINISH

DRAWN CJW 08/28/02

CHK

APPD

SCALE 1=1

REF

FMF

PREV

NO. REVISION BY & DATE

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RFP

DIST

CAD FILE 00417203ME

SIZE DRAWING NO.

A 004172-03ME

REV.



Data Sheet

Date: 20-06-2017  
 Customer: \_\_\_\_\_  
 Attention: \_\_\_\_\_  
 Submitted by: FAREEDA DUDEKULA



365TSTFC6026

Submittal

Data @ 460 V

Motor Load Data

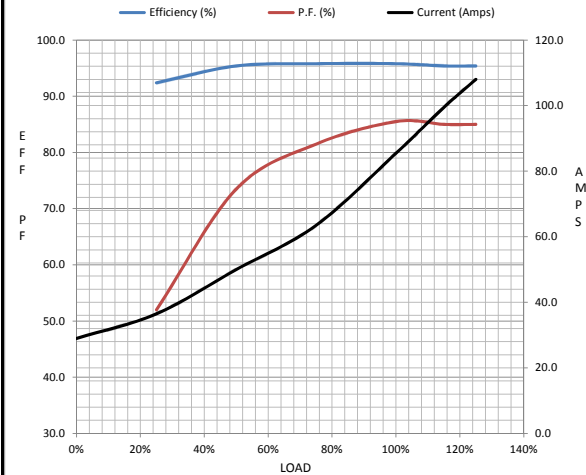
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	29.0	36.5	50.0	63.5	85.5	99.5	108	505
Torque (ft-lb)	0.00	55.0	110	165	221	254	277	373
RPM	1800	1797	1795	1790	1785	1,783	1780	0
Efficiency (%)		92.4	95.4	95.8	95.8	95.4	95.4	
P.F. (%)	4.5	52.0	73.5	81.5	85.5	85.0	85.0	30.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1720	1785	1800
Current (Amps)	505	450	320	85.5	29.0
Torque (ft-lb)	373	288	594	221	0.00

Information Block

HP	75.0			
Sync. RPM	1800			
Frame	365			
Enclosure	TEFC			
Construction	TFC			
Voltage	230/460 V			
Frequency	60 Hz			
Design	B			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	70 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk <sup>2</sup>	0.00 Lb-Ft <sup>2</sup>			
Ref Wdg	T18304018 NONE			
Sound Pressure @ 1M	57 dBA			
VFD Rating	CONSTANT 10:1			
Outline Dwg	SS622180ME			
Conn. Diag	00417203ME			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed -Torque Curve

