PRODUCT INFORMATION PACKET

Model No: 365TSTFC6006
Catalog No: E016
75 HP General Purpose Motor, 3 phase, 3600 RPM, 575 V, 365TS Frame, TEFC
General Purpose Motors

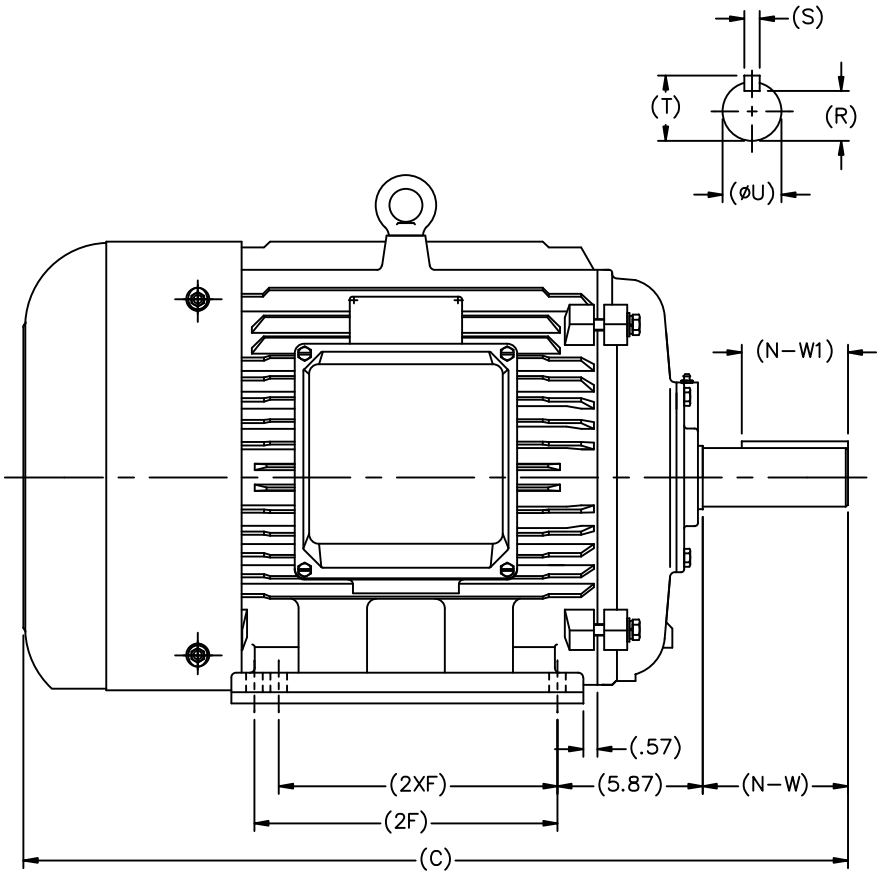
marathon® Motors

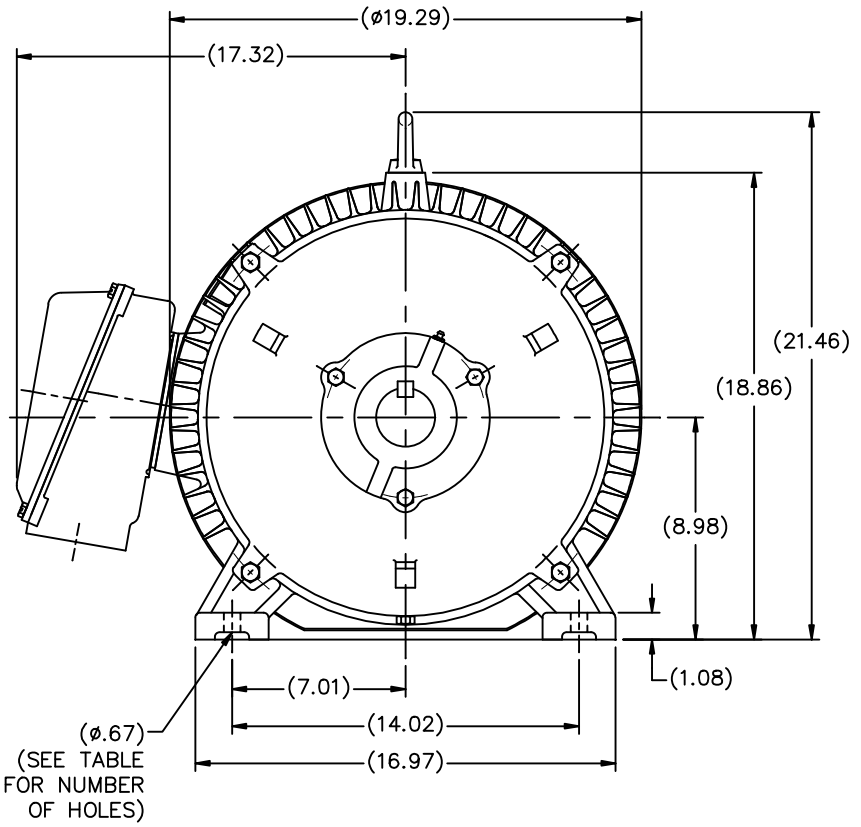
Nameplate Specifications

Output HP	75 Hp	Output KW	56.0 kW
Frequency	60 Hz	Voltage	575 V
Current	53.5 A	Speed	3570 rpm
Service Factor	1.15	Phase	3
Efficiency	94.1 %	Power Factor	88.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	F
Frame	365TS	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6313	Opp Drive End Bearing Size	6313
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Wye Start Delta Run Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	.0732 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	TS	Overall Length	31.18 in
Shaft Diameter	1.875 in	Shaft Extension	3.75 in
Assembly/Box Mounting	F1/F2 Capable		
Connection Drawing	00519001ME	Outline Drawing	SS622180ME





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
1	REMOVED LOGO FROM C'BOX FACE PER HEBEI	JJB 4/18/2011	

TOLERANCES UNLESS SPECIFIED: DEC. INCHES; .X ±.1; .XX ±.03; .XXX ±.005; .XXXX ±.0005; ANG ±7'30"

MARATHON ELECTRIC

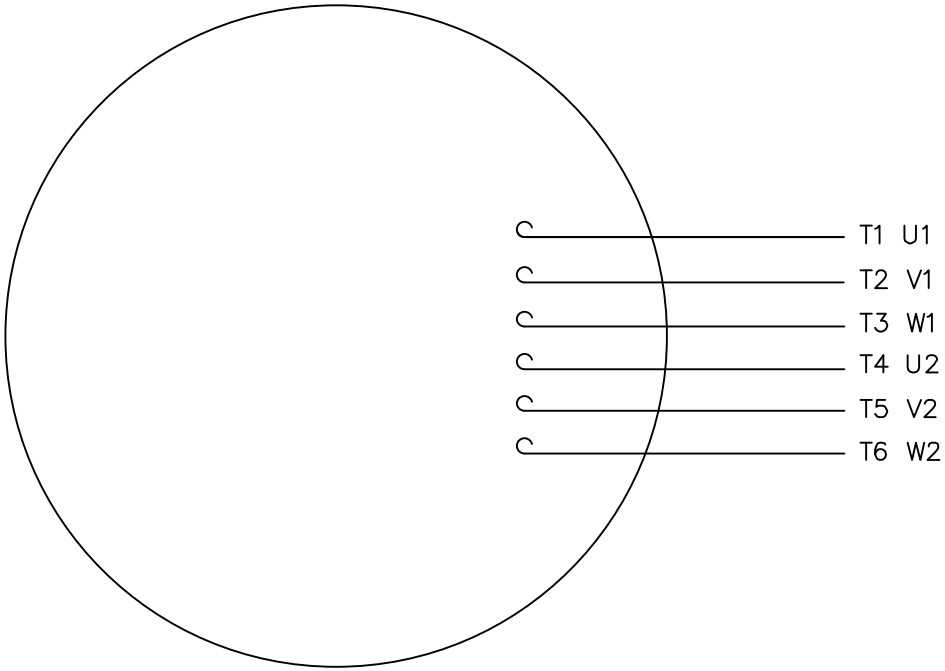
DRAWN MSG 02-13-2007
CHK ML 02-16-2207
APPD SB 02-23-2007

TITLE OUTLINE
360 FR. – TEFC – (REDESIGNED)

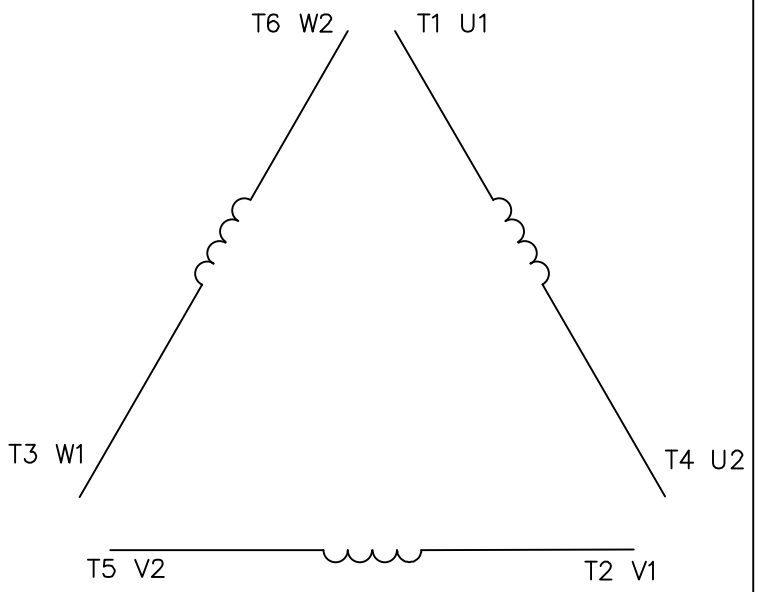
SCALE 1=5
REF
FMF HEBEI
MAT'L.
FINISH
PREV

RFP
DIST
CAD FILE SS622180ME

SIZE B | DRAWING NO. SS622180ME | PAGE OF | REV. 1



LINE LEADS



	L1	L2	L3	JOIN
START (WYE)	T1 U1	T2 V1	T3 U2	(T4,T5,T6) (U2,V2,W2)
RUN (DELTA)	(T1,T6) (U1,W2)	(T2,T4) (V1,U2)	(T3,T5) (W1,V2)	

NO.	REVISION	BY & DATE	CHK
03	ADDED IEC DESIGNATIONS	MOL 04/27/12	
02	REMOVED OBSOLETE STATUS	KJH 06/28/99	
01	REDRAWN ON CAD	DBT 05/30/97	

TOLERANCES UNLESS SPECIFIED

DEC.	INCHES
.X	±.1
.XX	±.01
.XXX	±.005
.XXXX	±.0005
ANG	±1/2°

MARATHON ELECTRIC

DRAWN	PG 05/07/82
CHK	
APPD	TEM 05/07/82
SCALE	1=1
REF	
FMF	
PREV	

TITLE: EXTERNAL WIRING DIAGRAM
STAR START – DELTA RUN

MAT'L. Y–CONNECTED START – DELTA CONNECTED RUN

FINISH: SINGLE VOLTAGE

CAD FILE: 00519001ME

RFP

DIST

SIZE	DRAWING NO.	REV.
A	005190–01ME	03

CERTIFICATION DATA SHEET

Model#:	365TSTFC6003 AA	**WINDING#:**	T18302020 NONE 3
CONN. DIAGRAM:	00417203ME	**ASSEMBLY:**	F1/F2 CAPABLE
OUTLINE:	SS622180		

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
75&60	56&45	3600	3570&2970	365TS	TEFC	F	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/380	167/83.5&161/80.5	ACROSS THE LINE	CONTINUOUS	F2	1.15/1.15	40	3300

FULL LOAD EFF: 94.5&94.5	3/4 LOAD EFF: 94.5	1/2 LOAD EFF: 94.1	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 88.5&89	3/4 LOAD PF: 87.5	1/2 LOAD PF: 83	93.6	SQ CAGE IND RUN	40 / 20

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
110 LB-FT	1030 / 515	180 LB-FT 164	275 LB-FT 250	65

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
71 dBA	81 dBA	- LB-FT^2	- LB-FT^2	15 SEC.	-	780 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL 6313	BALL 6313	POLYREX EM	TS	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE

ENCODER: NONE
NONE NONE
NONE NONE PPR

BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz

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DATE: 06/22/2017 12:10:52 AM
FORM 3531 REV.3 02/07/99
** Subject to change without notice.

Data Sheet

Date: 6/29/2017
Customer:
Attention:
Submitted by: FAREEDA DUDEKULA

marathon electric

365TSTFC6006

Submittal

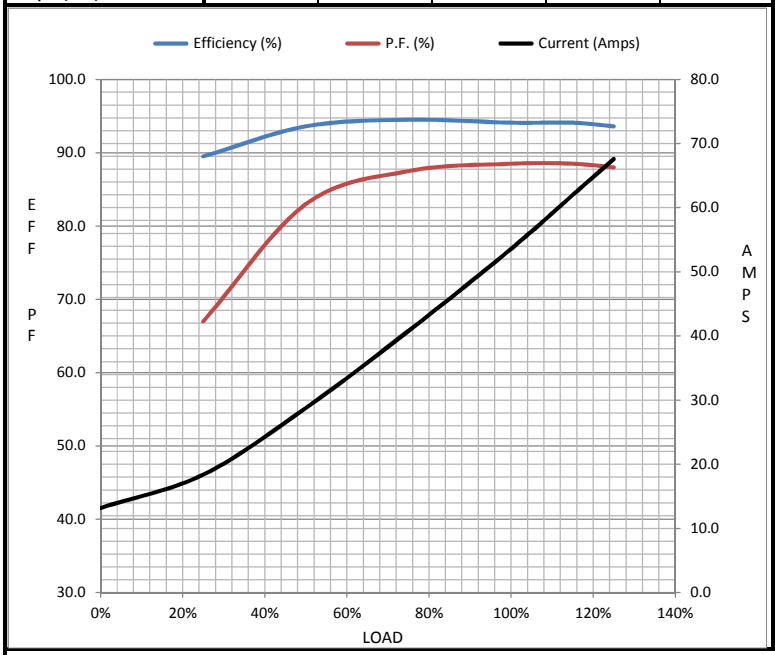
Data @ 575 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	13.2	18.4	28.8	40.8	53.6	62.0	67.6	320	
Torque (ft-lb)	0.00	22.0	44.0	66.0	88.0	102	111	140	
RPM	3600	3595	3588	3580	3570	3,565	3560	0	
Efficiency (%)		89.5	93.6	94.5	94.1	94.1	93.6		
P.F. (%)	9.0	67.0	83.0	87.5	88.5	88.5	88.0	30.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	3450	3570	3600
Current (Amps)	320	287	188	53.6	13.2
Torque (ft-lb)	140	105	215	88.0	0.00



Information Block

HP	60.0
Sync. RPM	3600
Frame	364
Enclosure	TEFC
Construction	TFC
Voltage	575 V
Frequency	60 Hz
Design	B
LR Code letter	F
Service Factor	1.15
Temp Rise @ FL	55 ° C
Duty	CONT
Ambient	40 ° C
Elevation	1,000 feet
Rotor/Shaft wk²	0.00 Lb-Ft²
Ref Wdg	T18302021 NONE
Sound Pressure @ 1M	999 dBA
VFD Rating	CONSTANT 2:1
Outline Dwg	SS622180ME
Conn. Diag	00519001ME
Additional Specifications:	
0	
0	

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000

Speed -Torque Curve