

PRODUCT INFORMATION PACKET

Model No: 143TTFR15642
Catalog No: E2101
1,1800,TEFC,143T,3/60/230/460
Totally Enclosed Fan Cooled (TEFC)



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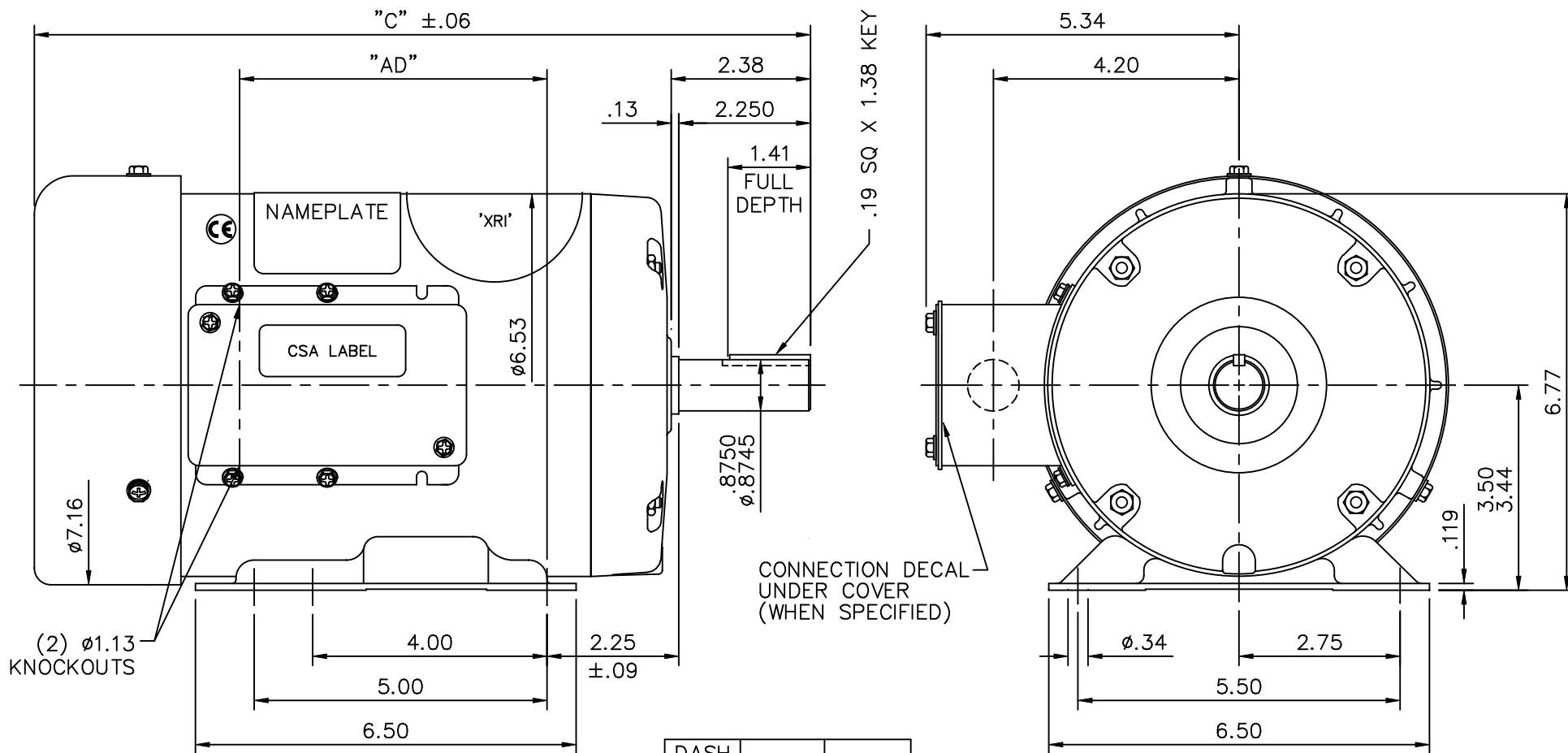
Nameplate Specifications

Output HP	1 Hp	Output KW	0.75 kW
Frequency	60 Hz	Voltage	208-230/460 V
Current	3.2-3.2/1.6 A	Speed	1760 rpm
Service Factor	1.15	Phase	3
Efficiency	85.5 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	N	Frame	143T
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6205
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Y	CE	Y
IP Code	43		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	T
Overall Length	13.25 in	Frame Length	7.00 in
Shaft Diameter	0.875 in	Shaft Extension	2.38 in
Assembly/Box Mounting	F1 Only		
Outline Drawing	028753-700	Connection Diagram	00501001ME

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DASH NO.	"C"	"AD"
650	12.75	4.75
700	13.25	5.25
750	13.75	5.75
800	14.25	6.25
850	14.75	6.75

TOLERANCES UNLESS SPECIFIED

DEC. INCHES

.X ±.1

.XX ±.03

.XXX ±.005

.XXXX ±.0005

CHK ANG ±1/2'

RFP

DIST



TITLE OUTLINE - 140T FRAME TEFC- RIGID

MAT'L.

FINISH

DRAWN LST 6/7/06

CHK

APPD

SCALE 3=8

REF

FMF

PREV

NO.	REVISION	BY & DATE
01	ADDED NOTE FOR CONNECTION DECAL	GWS 4/22/08

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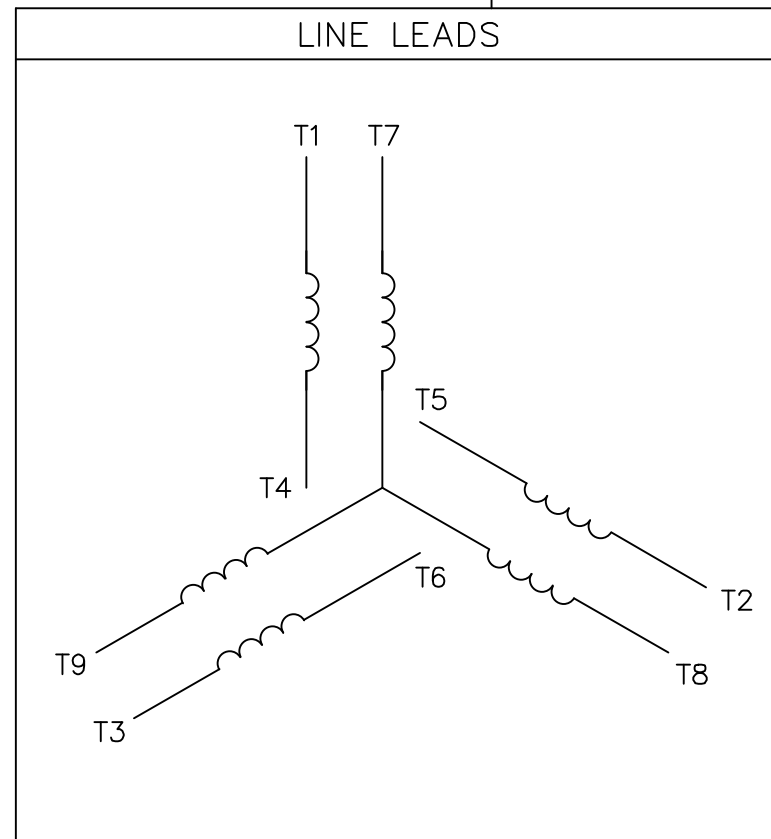
CAD FILE 028753

SIZE A


DRAWING NO. 028753

REV. 01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



VOLTAGE	L1	L2	L3	JOIN & INSULATE
HIGH	T1	T2	T3	(T4,T7) (T5,T8) (T6,T9)
LOW	T1,T7	T2,T8	T3,T9	T4,T5,T6

		TOLERANCES UNLESS SPECIFIED				DRAWN RDW 04/12/02			
		DEC.	INCHES			CHK	APPD		
		.X	±.1	TITLE EXTERNAL WIRING DIAGRAM 3 PHASE W/O PROTECTOR MAT'L. DECAL - 004014		SCALE 1=1			
		.XX	±.01			REF FIG.2-51			
		.XXX	±.005			FMF			
		.XXXX	±.0005			PREV			
NO.	REVISION	BY & DATE	CHK	ANG	±1/2'	FINISH	SIZE	DRAWING NO.	REV.
			RFP	04/12/02		CAD FILE 00501001ME	A	005010-01ME	
			DIST						

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CERTIFICATION DATA SHEET

Model#: 143TTFR15642 AA **WINDING#:** T634342 FR 3
CONN. DIAGRAM: 00501001ME **ASSEMBLY:** F1 ONLY
OUTLINE: 028753-700

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1&1	.75&.75	1800	1760&1450	143T	TEFC	N	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/ 380	3.2/1.6&3.4/1. 7	ACROSS THE LINE	CONTINUOU S	F4	1.15/1.0	40	3300

FULL LOAD EFF: 85.5&81.5	3/4 LOAD EFF: 85.4	1/2 LOAD EFF: 79.6	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 68.5&78	3/4 LOAD PF: 61.5	1/2 LOAD PF: 51.5	0	SQ CAGE IND RUN	2 / 1

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
3 LB-FT	28 / 14	12 LB-FT 0	15.8 LB-FT 0	38

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.12 LB-FT^2	0.1 LB-FT^2	10 SEC.	0	0 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	BALL	POLYREX EM	T	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
6205	6203						

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

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N
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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

DATE: 06/22/2017 07:54:11 AM
 FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.

Data Sheet

Date: 16-06-2017
 Customer: _____
 Attention: _____
 Submitted by: FAREEDA DUDEKULA



143TFR15642

Submittal

Data @ 460 V

Motor Load Data

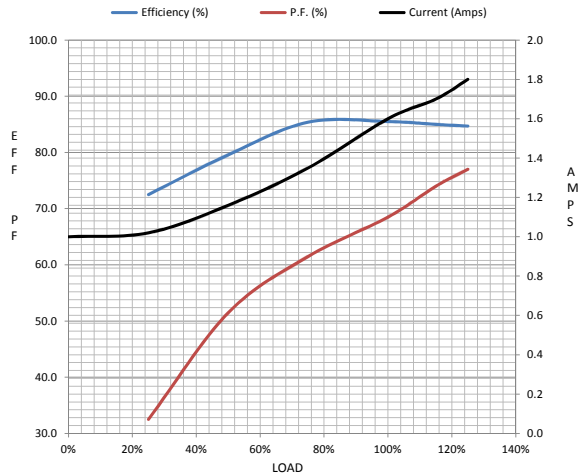
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	1.00	1.02	1.16	1.35	1.60	1.70	1.80	14.0
Torque (ft-lb)	0.00	0.75	1.50	2.25	3.0	3.5	3.8	12.0
RPM	1800	1789	1779	1769	1760	1,750	1745	0
Efficiency (%)		72.5	79.6	85.4	85.5	85.0	84.7	
P.F. (%)	8.0	32.5	51.5	61.5	68.5	74.0	77.0	41.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1170	1760	1800
Current (Amps)	14.0	13.0	9.9	1.60	1.00
Torque (ft-lb)	12.0	11.9	15.8	3.0	0.00

Information Block

HP	1.0			
Sync. RPM	1800			
Frame	140			
Enclosure	TEFC			
Construction	TFR			
Voltage	30/460#190/38V			
Frequency	60 Hz			
Design	B			
LR Code letter	N			
Service Factor	1.15			
Temp Rise @ FL	38 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk²	0.12 Lb-Ft²			
Ref Wdg	T634342 FR			
Sound Pressure @ 1M	65 dBA			
VFD Rating	NONE			
Outline Dwg	028753-700			
Conn. Diag	00501001ME			
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

