

# PRODUCT INFORMATION PACKET



Model No: 120379.00  
Catalog No: 120379.00  
Aeration Fan Motor, 3 HP, 3 Ph, 60 Hz, 230/460 V, 3600 RPM, 145T Frame, TEAO

Operational at 208-230/460 V @60HZ



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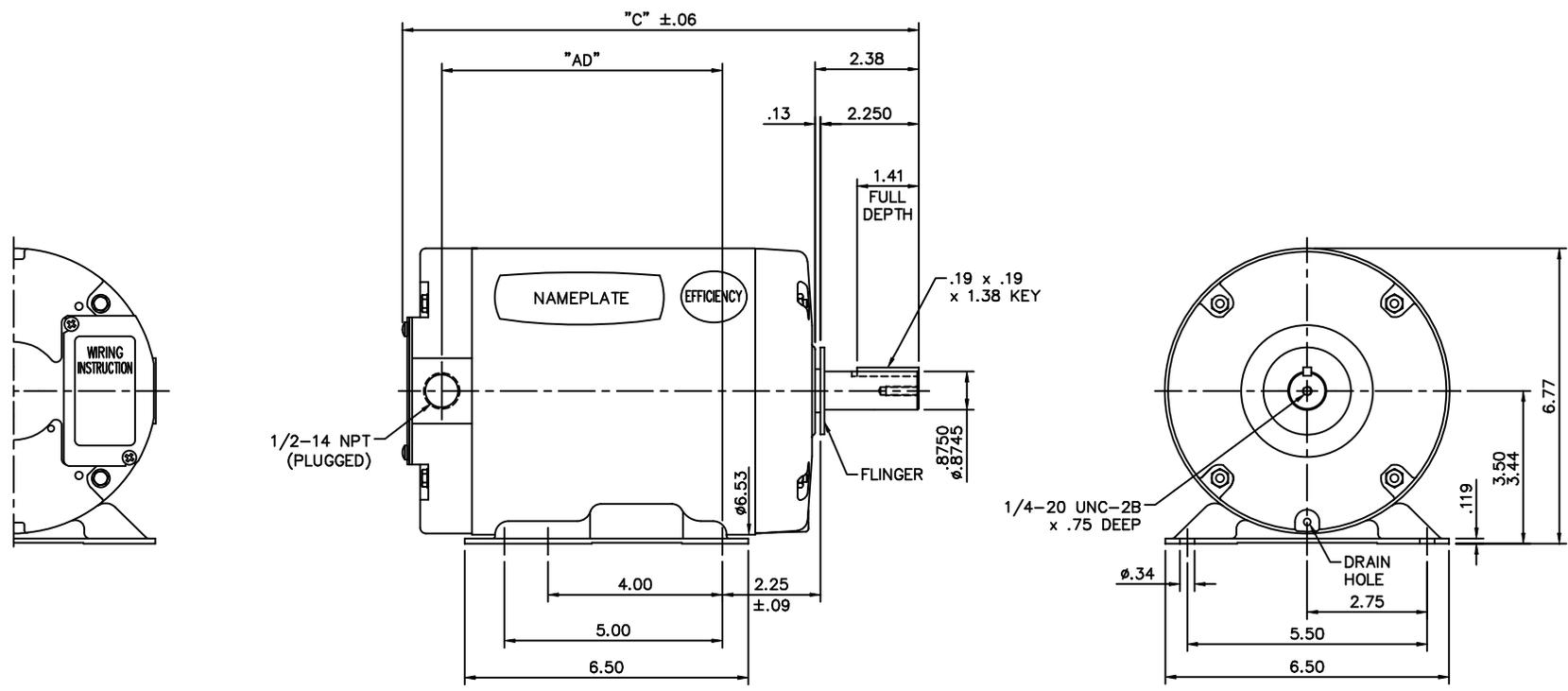


### Nameplate Specifications

Phase	<b>3</b>	Output HP	<b>3 Hp</b>
Output KW	<b>2.2 kW</b>	Voltage	<b>230/460 V</b>
Speed	<b>3450 rpm</b>	Service Factor	<b>1.00</b>
Frame	<b>145T</b>	Enclosure	<b>Totally Enclosed Air Over</b>
Thermal Protection	<b>No Protection</b>	Efficiency	<b>85.5 %</b>
Ambient Temperature	<b>40 °C</b>	Frequency	<b>60 Hz</b>
Current	<b>7.6/3.8 A</b>	Power Factor	<b>86</b>
Duty	<b>Continuous</b>	Insulation Class	<b>F</b>
Design Code	<b>B</b>	KVA Code	<b>J</b>
Drive End Bearing Size	<b>6205</b>	Opp Drive End Bearing Size	<b>6203</b>
UL	<b>Recognized</b>	CSA	<b>Y</b>
CE	<b>N</b>	IP Code	<b>43</b>
Number of Speeds	<b>1</b>		

### Technical Specifications

Electrical Type	<b>Squirrel Cage Induction Run</b>	Starting Method	<b>Across The Line</b>
Poles	<b>2</b>	Rotation	<b>Reversible</b>
Resistance Main	<b>6.2 Ohms</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>Rolled Steel</b>
Shaft Type	<b>T</b>	Overall Length	<b>12.34 in</b>
Frame Length	<b>7.00 in</b>	Shaft Diameter	<b>0.875 in</b>
Shaft Extension	<b>2.25 in</b>	Assembly/Box Mounting	<b>F1 ONLY</b>
Outline Drawing	<b>034949-700</b>	Connection Drawing	<b>005010.01</b>



GASKETS THROUGHOUT

DASH NO.	"C"	"AD"
600	11.34	5.94
650	11.84	6.44
700	12.34	6.94
750	12.84	7.44
800	13.34	7.94

NO.		REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED	FINISH	STOCK	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	034949	SIZE	DRAWING NO.	REV.
							DIST	BRF		B	034949	



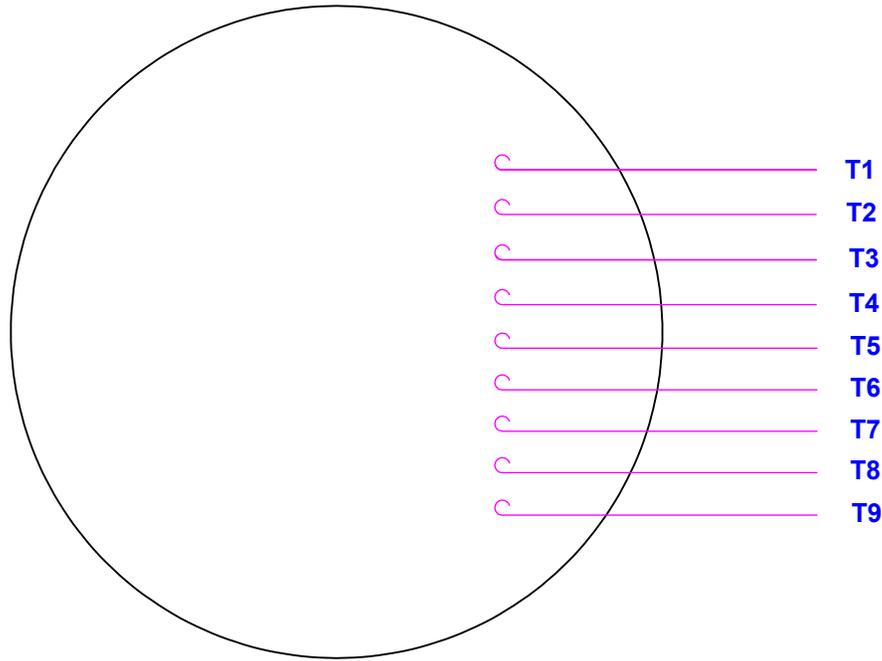
ELECTRIC MOTORS  
GEARMOTORS  
AND DRIVES

DRAWN GWS 7/31/02  
CHK  
APPD  
SCALE 3=8  
REF 033388  
FMF 120377

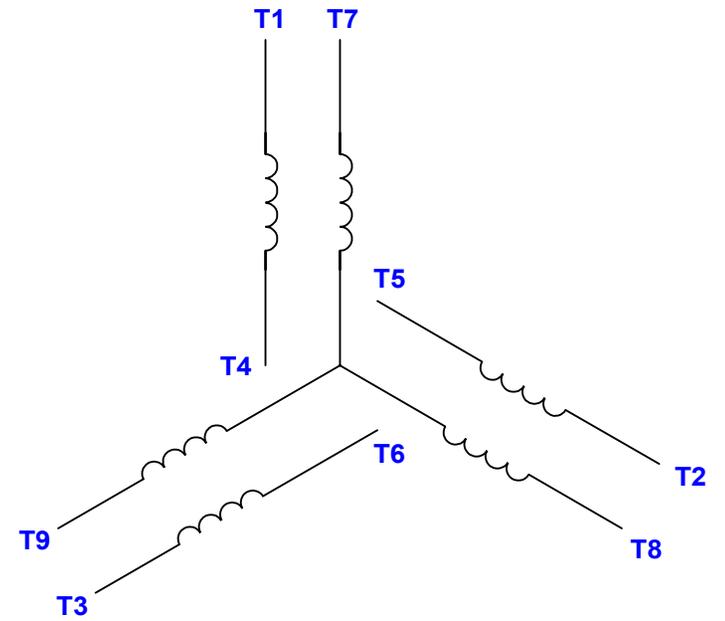
TITLE OUTLINE - 140T FRAME  
TENV - RIGID

MAT'L FAN DUTY

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



LINE LEADS



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

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				TOLERANCES UNLESS SPECIFIED		DRAWN RDW 04/12/02	
				DEC	INCHES	CHK	
				.X	±.1	APPR	
12	CHG FROM LEESON TO RRX TEMPLATE AS PER ECR-0237142	KVDG 09/19/24	DS	.XX	±.01	TITLE EXTERNAL WIRING DIAGRAM	
--	REDRAWN IN SOLIDWORKS	VJB 02/08/11		.XXX	±.005	3 PHASE W/O PROTECTOR	
11	ADD REV TO MATCH ORACLE	KJH 06/08/09	MDN	.XXX	±.0005	MAT'L DECAL - 004014	
NO	REVISION	BY & DATE	CHK	ANG	±1/2°	FINISH	
			RFP	04/12/02	PREV	SIZE	DRAWING NO
THIRD ANGLE PROJECTION			NETWORK FILE NAME		00501001	A	005010-01
							REV
							12

Data Sheet

Date: 1/30/2018

120379.00



Data @ 460 V

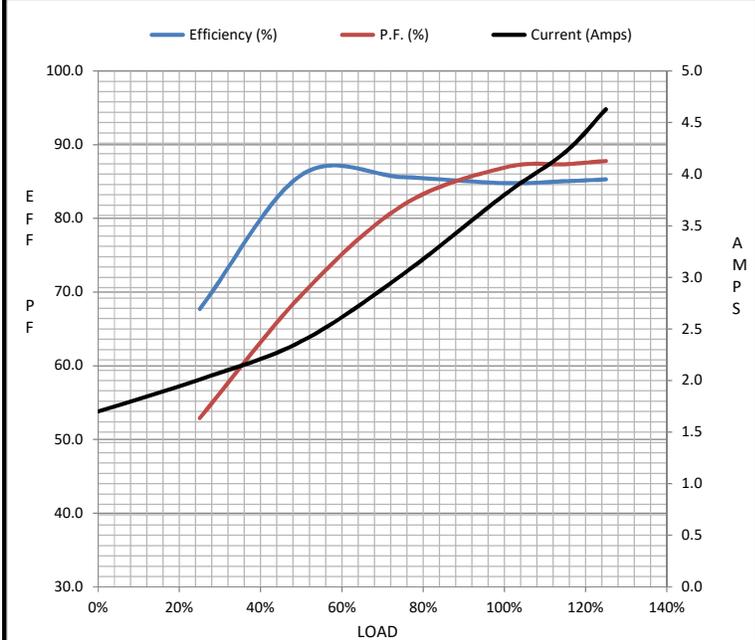
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	1.70	2.01	2.38	3.0	3.8	4.2	4.6	30.0
Torque (ft-lb)	0.00	1.13	2.25	3.4	4.5	5.1	5.6	13.0
RPM	3600	3569	3547	3519	3486	3472	3452	0
Efficiency (%)		67.7	85.9	85.6	84.8	85.1	85.3	
P.F. (%)	11.8	52.9	69.6	81.8	86.9	87.4	87.8	0.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	400	2300	3486	3600
Current (Amps)	30.0	27.6	18.0	3.8	1.70
Torque (ft-lb)	13.0	12.7	15.2	4.5	0.00

Information Block				
HP	3.0			
Sync. RPM	3600			
Frame	140			
Enclosure	TENV			
Construction	NA			
Voltage	208-230/460 V			
Frequency	60 Hz			
Design	B			
LR Code letter	J			
Service Factor	1.15			
Temp Rise @ FL	82 °C			
Duty	AIROVER			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk <sup>2</sup>	0.07 Lb-Ft <sup>2</sup>			
Ref Wdg	T632164 NR			
Sound Pressure @ 1M	999 dBA			
VFD Rating	NONE			
Outline Dwg	034949-700			
Conn. Diag	005010.01			
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

