

PRODUCT INFORMATION PACKET

Model No: 326TTFC6031

Catalog No: U659A

50 HP General Purpose Motor, 3 phase, 1800 RPM, 575 V, 326T Frame, TEFC
General Purpose Motors



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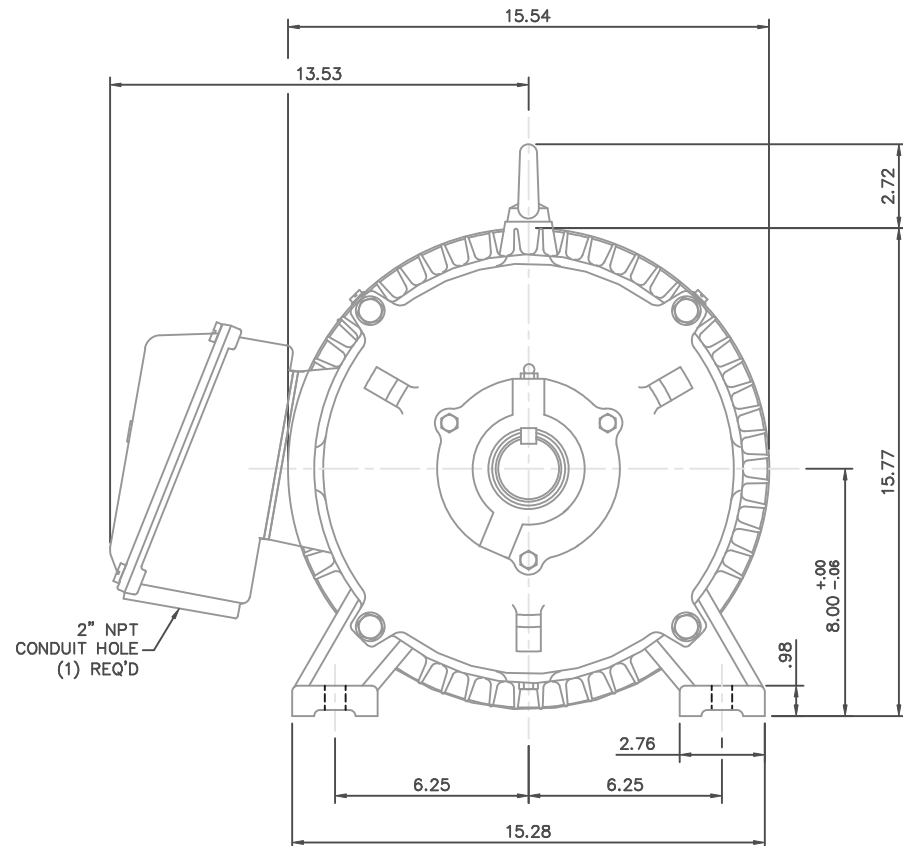
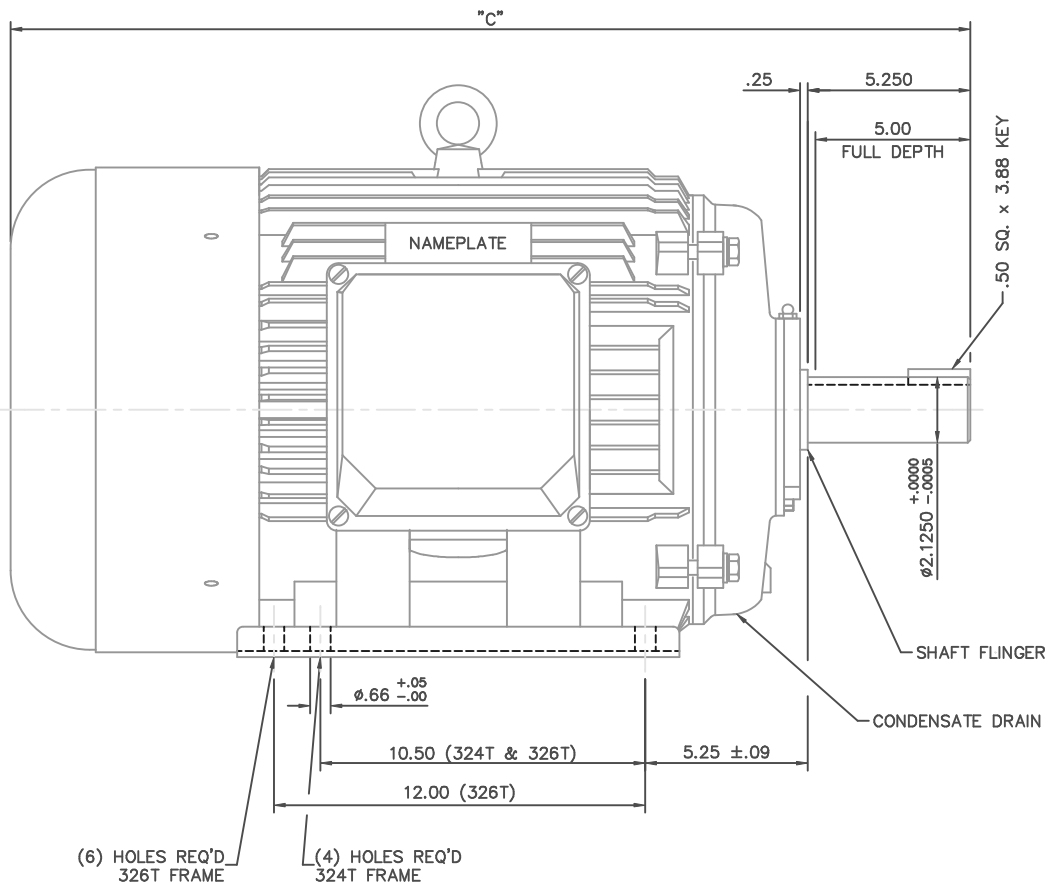
Nameplate Specifications

Output HP	50 Hp	Output KW	37.0 kW
Frequency	60 Hz	Voltage	575 V
Current	47.0 A	Speed	1780 rpm
Service Factor	1.15	Phase	3
Efficiency	94.5 %	Power Factor	84
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	326T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6312	Opp Drive End Bearing Size	6312
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		


Technical Specifications

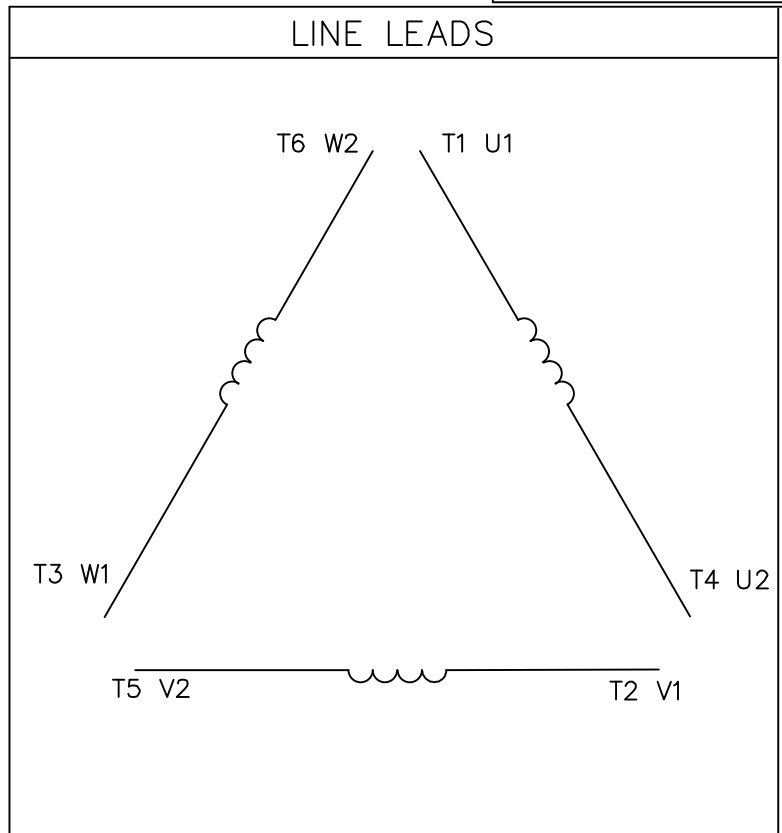
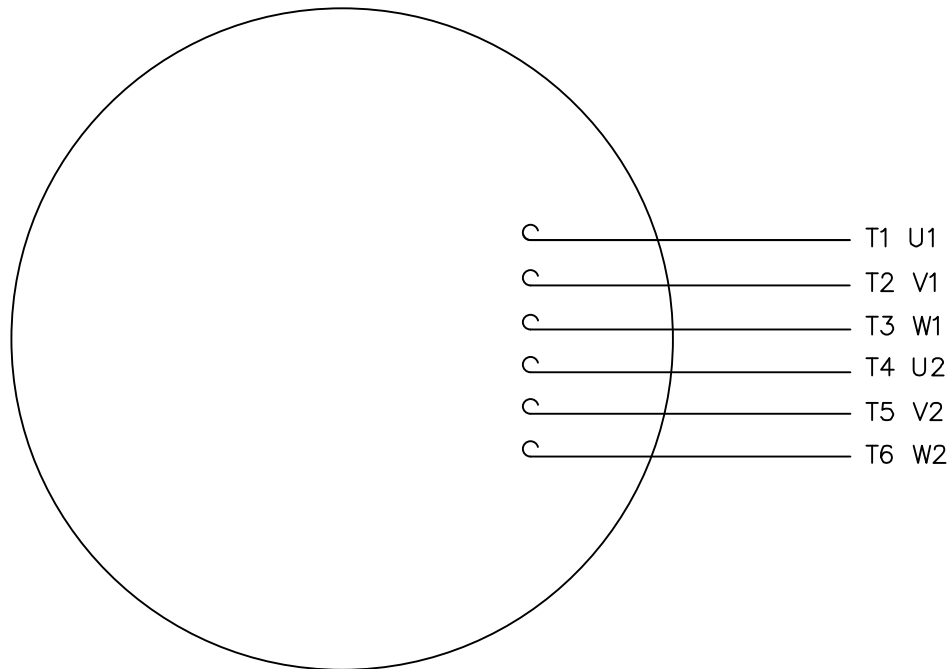
Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	.135 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Overall Length	31.02 in
Shaft Diameter	2.125 in	Shaft Extension	5.25 in
Assembly/Box Mounting	F1/F2 Capable		
Connection Drawing	00519001ME	Outline Drawing	169541.60LN

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FRAME DESIGN	"C"
324T	29.53
326T	31.02

		TO TOLERANCES UNLESS SPECIFIED				DRAWN JJK 03/29/99	
		DEC.	INCHES			CHK	
		.X	±.1	TITLE		APPD PG 03/31/99	
		.XX	±.03	OUTLINE - 320T FRAME		SCALE 1=4	
		.XXX	±.005	TEFC - RIGID		REF 169504	
01 ADDED HOLE FOR 326T BASE		JJK	07/13/99	.XXXX	±.0005	MAT'L CAST IRON	
NO. REVISION		BY & DATE	CHK	ANG	±1/2"	FINISH	
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	16954160LN	SIZE B
				DIST	DRAWING NO. 169541-60LN		REV. 01



	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)	

				TOLERANCES UNLESS SPECIFIED				DRAWN PG 05/07/82	
				DEC.	INCHES			CHK	
				.X	±.1	TITLE EXTERNAL WIRING DIAGRAM STAR START - DELTA RUN		APPD TEM 05/07/82	
03	ADDED IEC DESIGNATIONS	MOL 04/27/12	.XX	±.01	MAT'L. Y-CONNECTED START - DELTA CONNECTED RUN			SCALE 1=1	
02	REMOVED OBSOLETE STATUS	KJH 06/28/99	.XXX	±.005			FINISH SINGLE VOLTAGE		REF
01	REDRAWN ON CAD	DBT 05/30/97	.XXXX	±.0005	NO. REVISION BY & DATE				FMP
				CHK			ANG	±1/2'	PREV
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				DIST			A	005190-01ME	03

Data Sheet

Date: 6/29/2017

326TTC6031

Customer: _____



Attention: _____

Submittal

Submitted by: FAREEDA DUDEKULA

Data @ 575 V

Motor Load Data

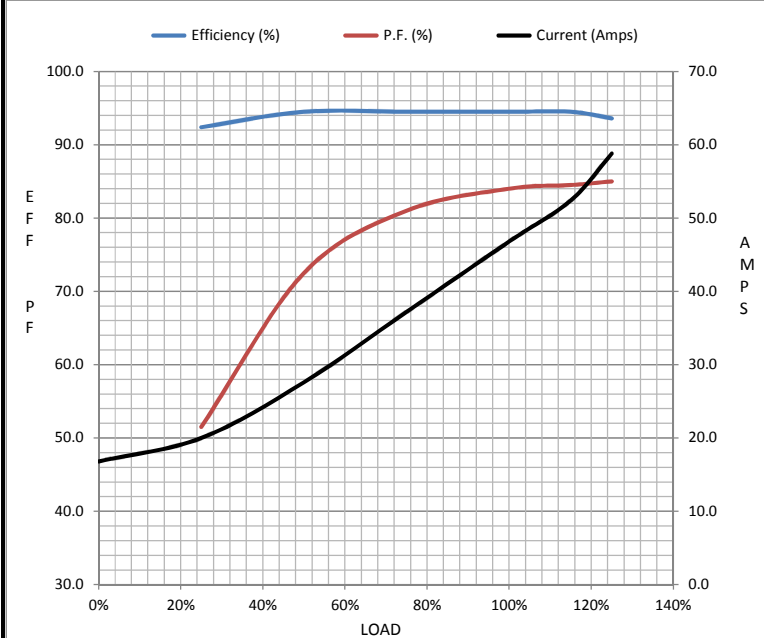
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	16.8	20.0	27.6	37.2	46.8	52.4	58.8	290
Torque (ft-lb)	0.00	37.5	75.0	113	148	170	186	325
RPM	1800	1795	1790	1785	1780	1,772	1770	0
Efficiency (%)		92.4	94.5	94.5	94.5	94.5	93.6	
P.F. (%)	4.0	51.5	72.5	81.0	84.0	84.5	85.0	0.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1700	1780	1800
Current (Amps)	290	260	148	46.8	16.8
Torque (ft-lb)	325	300	375	148	0.00

Information Block

HP	50.0			
Sync. RPM	1800			
Frame	326			
Enclosure	TEFC			
Construction	TFC			
Voltage	575 V			
Frequency	60 Hz			
Design	B			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	65 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	7.4 Lb-Ft ²			
Ref Wdg	T16104020 NONE			
Sound Pressure @ 1M	999 dBA			
VFD Rating	NONE			
Outline Dwg	169541.60LN			
Conn. Diag	5190.01ME			
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

