

PRODUCT INFORMATION PACKET

Model No: 326TTGS16539

Catalog No: U032A

Explosion Proof Motor, 50 HP, 3 Ph, 60 Hz, 575 V, 1800 RPM, 326T Frame, EPFC



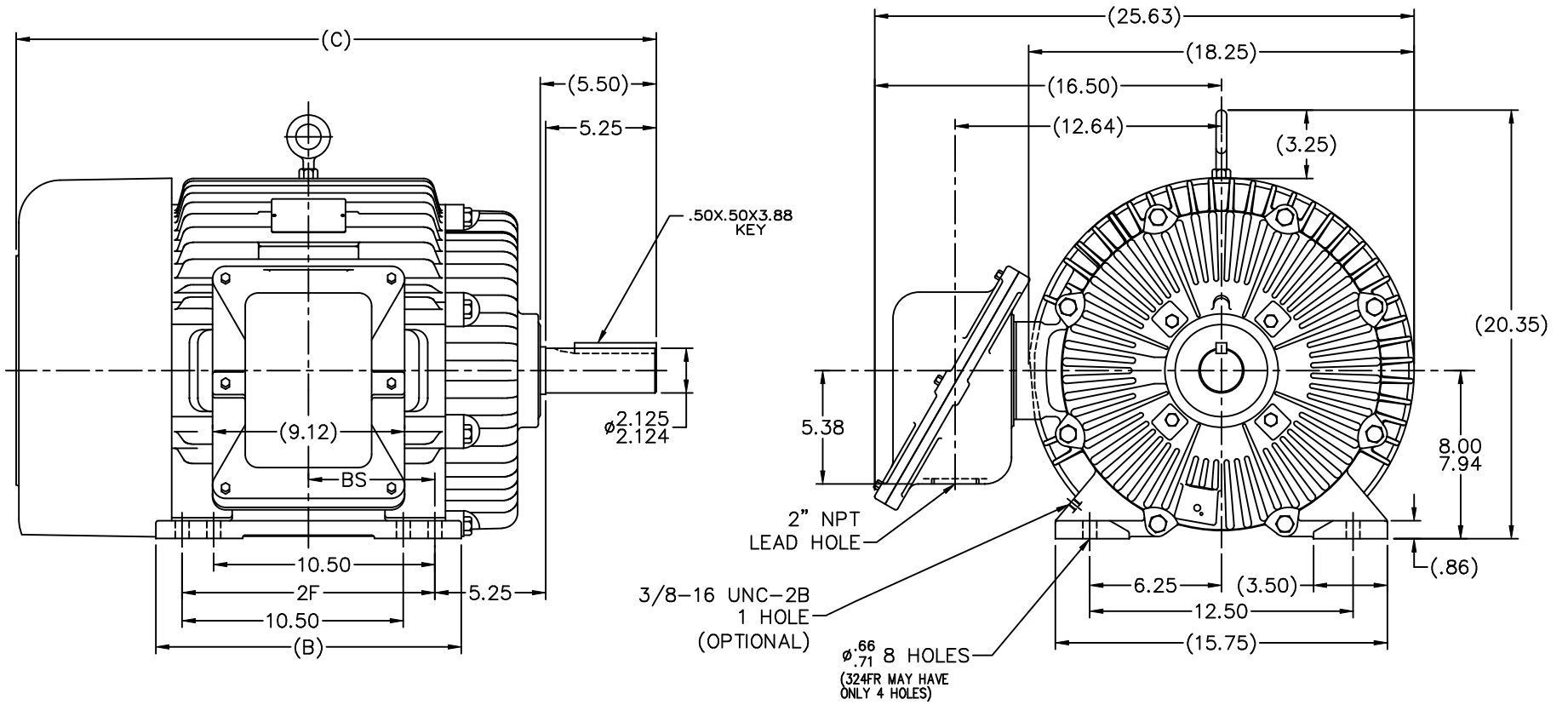
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Nameplate Specifications

Output HP	50 Hp	Output KW	37.0 kW
Frequency	60 Hz	Voltage	575 V
Current	49.0 A	Speed	1777 rpm
Service Factor	1	Phase	3
Efficiency	94.5 %	Power Factor	80.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	F
Frame	326T	Enclosure	Explosion Proof Fan cooled
Thermal Protection	Thermostat	Ambient Temperature	50 °C
Drive End Bearing Size	6312	Opp Drive End Bearing Size	6311
UL	UL Listed And CSA Certified	CSA	Y
CE	N	IP Code	54
Hazardous Location	DIV 1 EXP PROOF CL I GR CD CL II GR FG T3C	Number of Speeds	1

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	.027 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	30.37 in
Frame Length	13.00 in	Shaft Diameter	2.125 in
Shaft Extension	5.5 in	Assembly/Box Mounting	F1 ONLY
Inverter Load	CONSTANT 2:1		
Outline Drawing	B-SS301018-1300	Connection Drawing	A-EE7300T



NOTES:

1. BOX CAN BE ROTATED IN 90° STEPS.
2. BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°.
3. NAMEPLATE TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

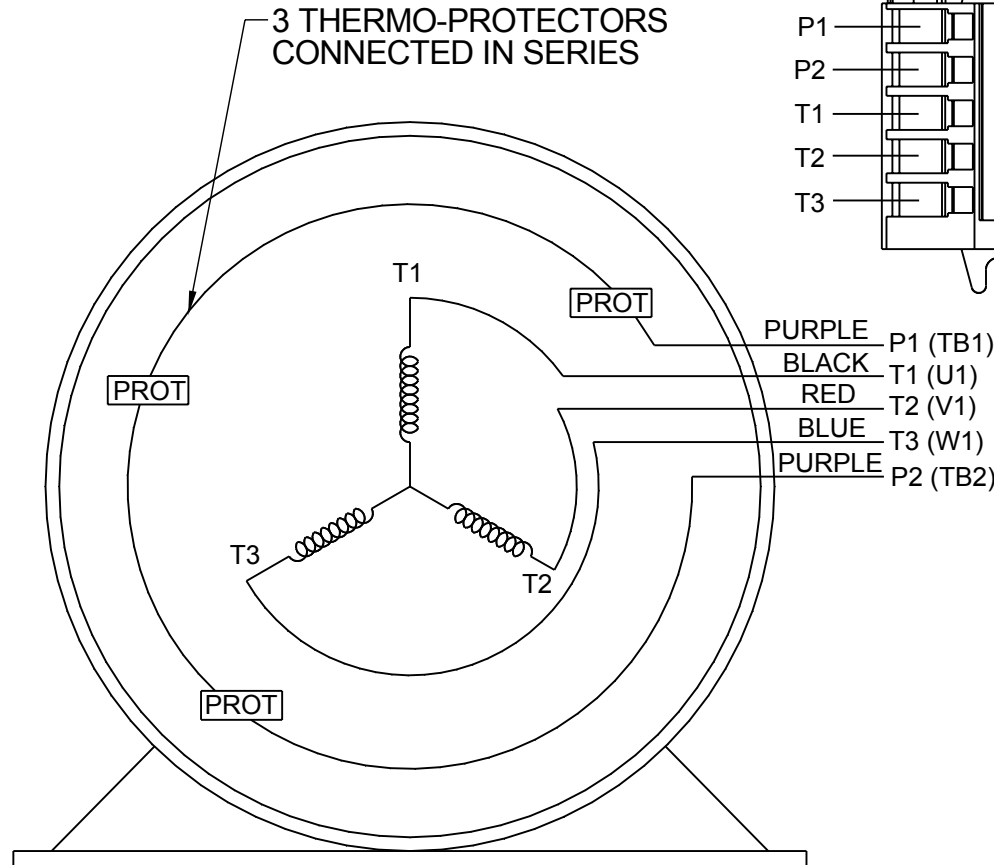
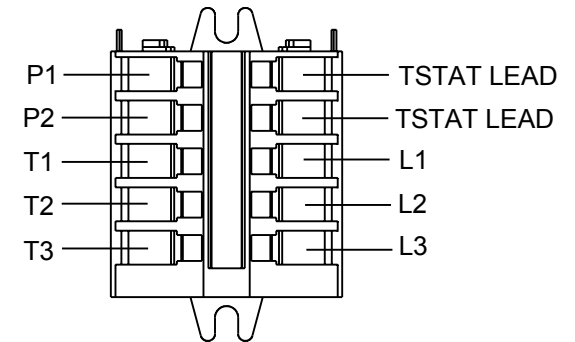
										TOLERANCES UNLESS SPECIFIED				DRAWN CAV 11-29-2000							
										DEC.	INCHES			CHK	DRS	12-01-2000					
										.X	±.1	TITLE OUTLINE		APPD DD 12-04-2000							
										.XX	±.02	320T FR. - BB - TS - EXP. PR.		SCALE 1=5							
1150	324T	28.87	---	13.00	10.50	---	---	5.25	2 -1300 WAS 326T FR. ONLY MU37806		DAH	06-29-2001	REF								
1300	324/326T	30.37	---	14.50	12.00	---	---	6.00	1 NEW DRAWING MU34659		CAV	12-01-2000	FMF								
										NO.	REVISION	BY & DATE	CHK	ANG	FINISH	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	±730°	CAD FILE ss301018	SIZE	DRAWING NO.	PAGE	OF	REV.
DASH	FRAME	C	AG	B	2F	2FF	2FFF	BS			DIST	LB	B	SS301018	2						

THREE PHASE - SINGLE VOLTAGE
MOTOR - CONDUIT BOX @ 'A'

TO REVERSE ROTATION:
INTERCHANGE ANY TWO LINE
LEAD CONNECTIONS

NOTE FOR FACTORY USE ONLY:
TO SURGE TEST:
FOR 3 LEAD COMMON CONNECT:
CONNECT P1 TO T1 THEN P2 TO L1
FOR 6 LEAD COMMON CONNECT:
CONNECT P1 TO BOTH T1
THEN P2 TO L1

TERMINAL BLOCK WHEN SPECIFIED

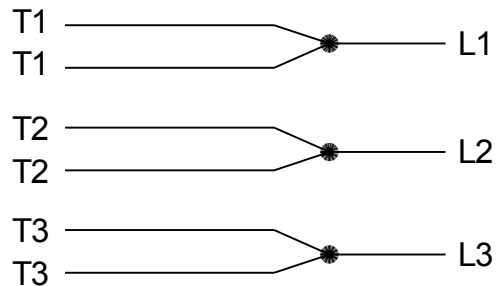


- PURPLE P1 (TB1)
- BLACK T1 (U1)
- RED T2 (V1)
- BLUE T3 (W1)
- PURPLE P2 (TB2)

- T2BM
- T6AW
- T6AL
- T6Z
- T4EG
- T4BF
- T8A
- T6H
- T6A
- T4AX
- T4A
- T2A
- T2F

VIEW OF TERMINAL END

IF MOTOR HAS MULTIPLE
T'S PER LEAD CONNECT
TOGETHER LIKE T'S



A-9806 DECAL

DRAWING REVISION AB	REVISION BY AJW	DATE 07-17-2015		DRAWN BY LZ	Regal Beloit America, Inc.
ECO ECO-0081632	APPROVED BY T.VUE	DATE 07-17-2015		DATE 01-04-1994	
ECO DESCRIPTION REV'D IEC MARKINGS PER IEC-60034-8				APPROVED BY GK	DESCRIPTION CONN DIAGRAM-EXTERNAL 3Ø-SINGLE VOLT-MOTOR WITH PROTECTOR
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			THIRD ANGLE PROJECTION	SIZE A	DRAWING NUMBER EE7300T

Data Sheet

Date: 6/29/2017

326TTGS16539

Customer: _____



Attention: _____

Submittal

Submitted by: FAREEDA DUDEKULA

Data @ 575 V

Motor Load Data

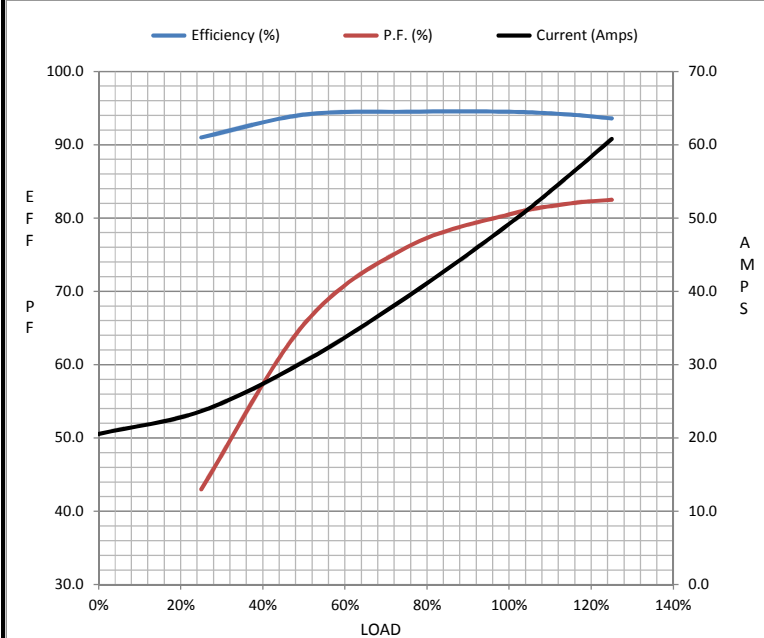
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	20.6	23.7	30.4	39.2	49.2	56.0	60.8	290
Torque (ft-lb)	0.00	36.6	73.5	111	148	170	185	275
RPM	1800	1795	1788	1783	1777	1,773	1770	0
Efficiency (%)		91.0	94.1	94.5	94.5	94.1	93.6	
P.F. (%)	3.0	43.0	65.5	76.0	80.5	82.0	82.5	32.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1695	1777	1800
Current (Amps)	290	264	168	49.2	20.6
Torque (ft-lb)	275	234	360	148	0.00

Information Block

HP	50.0			
Sync. RPM	1800			
Frame	326			
Enclosure	TEFC			
Construction	TFN			
Voltage	575 V			
Frequency	60 Hz			
Design	B			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	75 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	9.7 Lb-Ft ²			
Ref Wdg	K3264196 NONE			
Sound Pressure @ 1M	65 dBA			
VFD Rating	CONSTANT 2:1			
Outline Dwg	B-SS301018-1300			
Conn. Diag	A-EE7300T			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0310	0.0230	0.1780	0.2400	4.0160



Speed - Torque Curve

