

PRODUCT INFORMATION PACKET



Model No: 199030.00

Catalog No: 199030.00

Obsolete Replaced by 326TSTFCD6001.50HP..3600RPM.326TS.TEFC.230/460V.3PH.60HZ.CONT.40C.1.15SF.RIGID
.....GENERAL PURPOSE.....



Regal and Leeson are trademarks of Regal Rexnord Corporation or one of its affiliated companies.

©2023 Regal Rexnord Corporation, All Rights Reserved. MC017097E





Nameplate Specifications

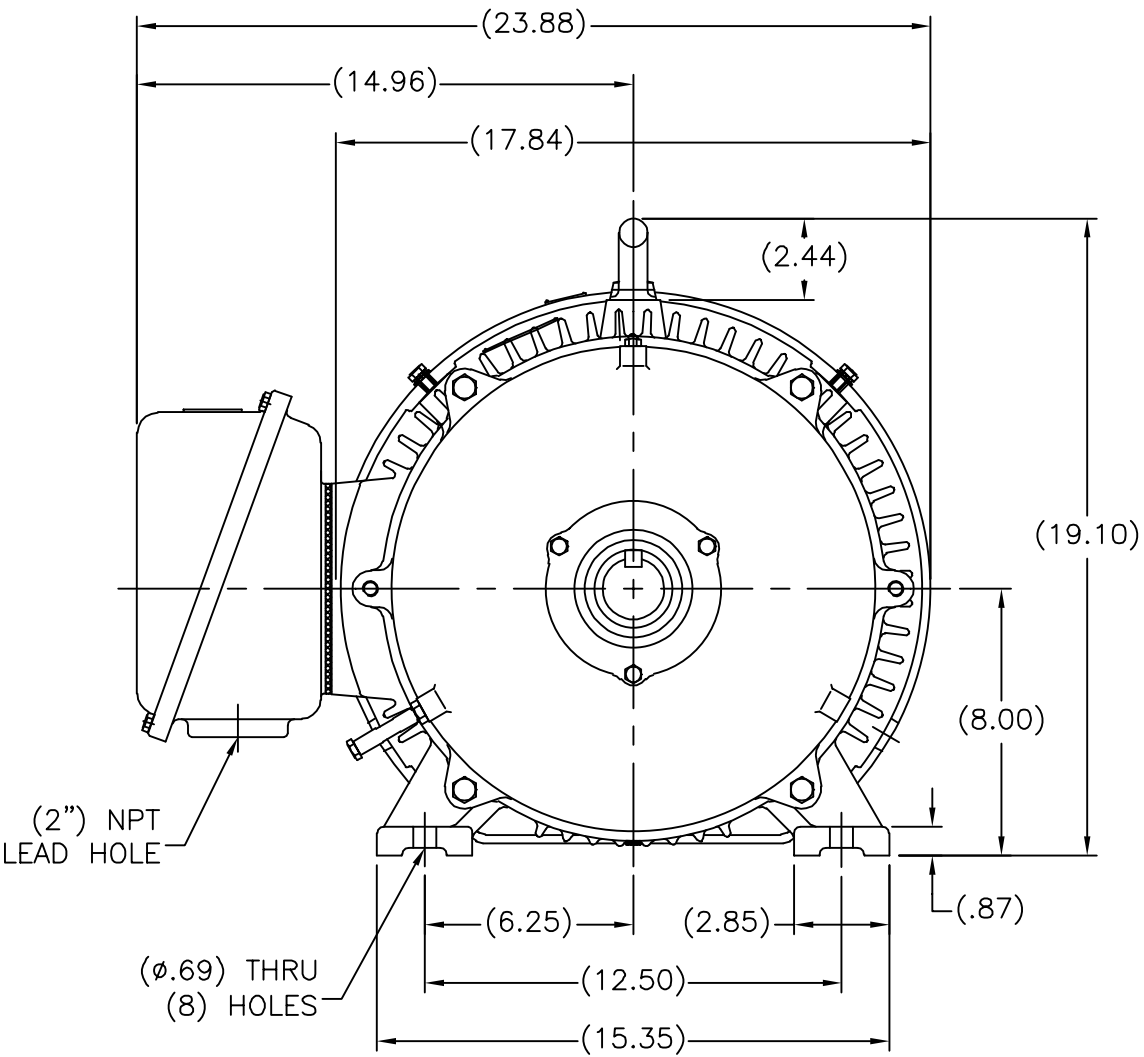
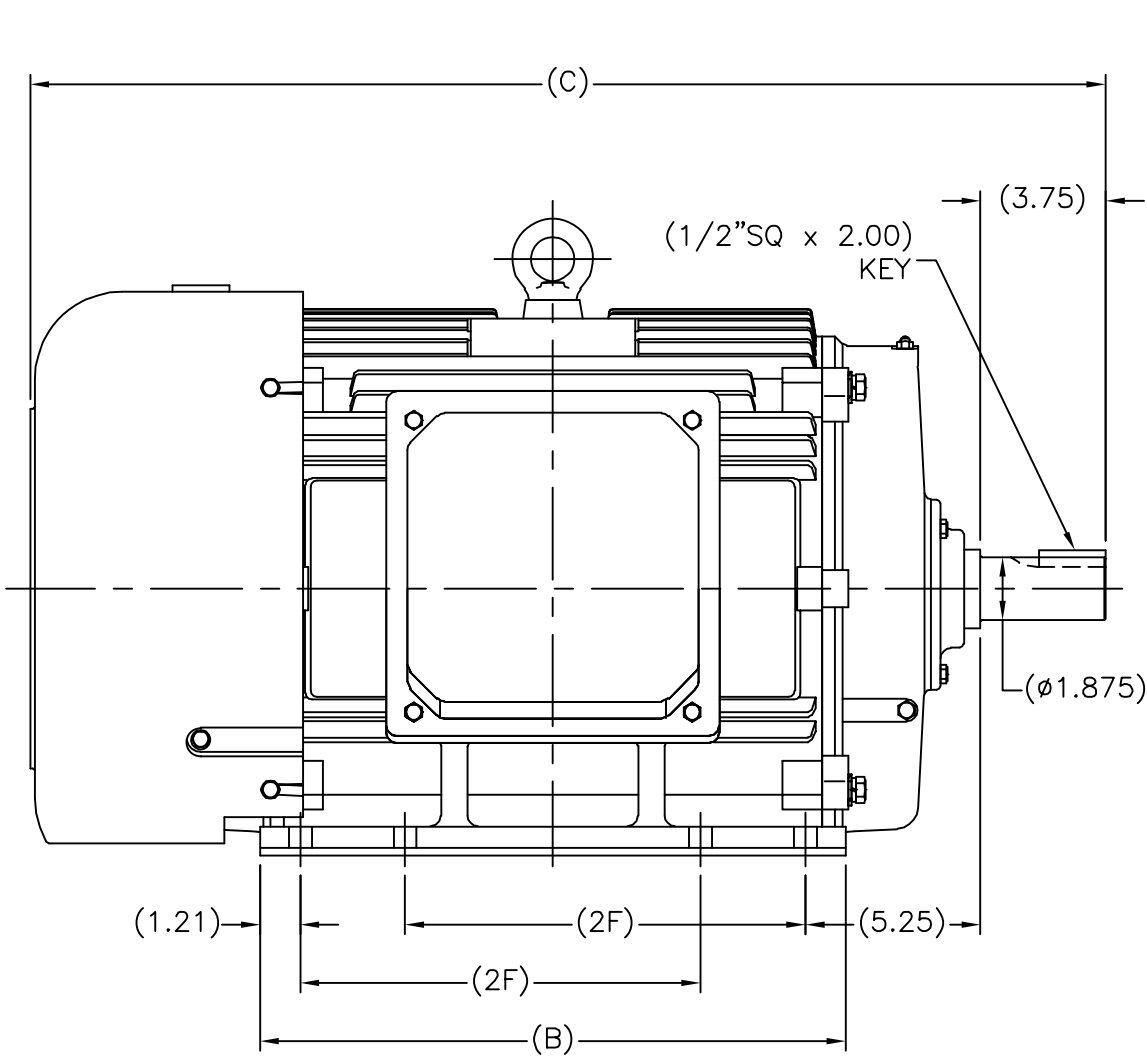
Phase	3	Output HP	50 & 40 Hp
Output KW	37.0 & 30.0 kW	Voltage	230/460 & 190/380 V
Speed	3570 & 2970 rpm	Service Factor	1.15 & 1.15
Frame	326TS	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	93 & 93 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	109/54.5 & 106/53 A	Power Factor	90
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6212	Opp Drive End Bearing Size	6212
UL	Recognized	CSA	Y
CE	N	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	.12 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	TS	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	CONSTANT 2:1		
Outline Drawing	SS620248-326TS	Connection Drawing	EE7308AA-LE

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:06/22/2023

SS620248

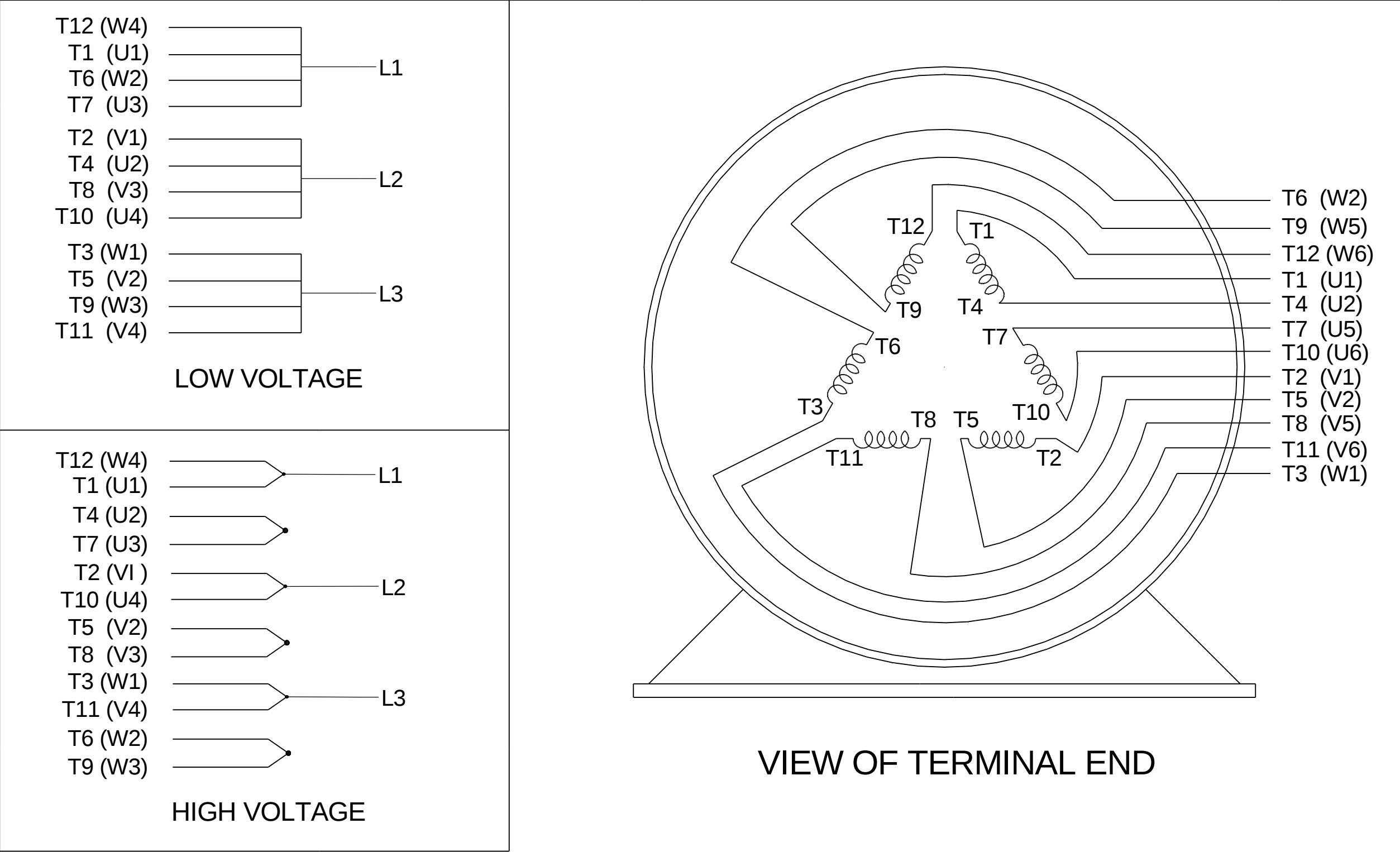


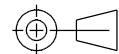
(MAY NOT BE DRAWN TO SCALE)

(DIMENSIONS IN TABLE ARE CONSIDERED REFERENCE)

324TS	31.26	16.37	10.50
326TS	32.44	17.56	12.00
FRAME	C	B	2F

		TOLERANCES UNLESS SPECIFIED		REGAL - BELOIT CORPORATION	DRAWN MSG 01/12/2010	
		DEC.	INCHES		CHK	MJS 01/13/2010
		.X	±.1	TITLE OUTLINE 320TS FR. - TEFC	APPD	SB 01/13/2010
		.XX	±.03		SCALE	N/A
		.XXX	±.005		REF	
1	REVISED TITLE BLOCK PER. ECO-0050447	RFH 05/01/2014	SB	.XXXX ±.0005	MAT'L.	FMF HUADA
NO.	REVISION	BY & DATE	CHK	ANG ±1/2'	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 10/14/2010	CAD FILE SS620248.dwg	SIZE A
				DIST		DRAWING NO. PAGE 1 OF 1
						SS620248
						REV. 1



DRAWING REVISION C		REVISION BY D.FROEHLICH	DATE 02-09-2015	TOLERANCES UNLESS OTHERWISE SPECIFIED: DEC. INCH mm ANGLE .X ±0.1 [±2.5] ±7° 30" .XX ±0.02 [±0.51] .XXX ±0.005 [±0.127] .XXXX ±0.0005 [±0.0127] REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381] CORNER FILLETS: .02 [0.51] MACHINED SURFACES: 200 INCH ✓ mm ✓ mm SHOWN IN [BRACKETS]	DRAWN BY HV	REGAL Regal Beloit America, Inc.		
ECO ECO-0070906		APPROVED BY MG	DATE 02-09-2015		DATE 06-08-20152			
ECO DESCRIPTION UPDATED IEC CONNECTIONS					APPROVED BY DR	DESCRIPTION CONN DIAGRAM-EXTERNAL 3 PHASE - 2/1 DELTA - 12 LEADS		
COPYRIGHT REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.					DATE 06-11-2012			
					REFERENCE	MATERIAL		PROCESS/FINISH
				THIRD ANGLE PROJECTION		SIZE A	DRAWING NUMBER EE7308AA-LE	SHEET 1 OF 1



CERTIFICATION DATA SHEET

**1051 CHEYENNE AVE.
GRAFTON, WI 53024
PH. 262-377-8810**

CONN. DIAGRAM: EE7308AA-LE

CATALOG #: 199030.00

OUTLINE: SS620248

MOUNTING: F1/F2 CAPABLE

WINDING #: CHT32620003 1

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
50&40	37.0&30.0	3600	3570&2970	326TS	TEFC	G	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	109/54.5&106/53	LINE OR INVERTER	CONTINUOUS	F1	1.15/1.15	40

FULL LOAD EFF:	93&93	3/4 LOAD EFF:	93.6	1/2 LOAD EFF:	93	GTD. EFF		ELEC. TYPE
FULL LOAD PF:	90&90	3/4 LOAD PF:	89	1/2 LOAD PF:	84.5	92.4		SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
73.5 LB-FT	670 / 335	117 LB-FT 159 %	175 LB-FT 238 %	70

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
75 dBA	85 dBA	5.4 LB-FT^2	27 LB-FT^2	15 SEC.	2	800 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	ODE						
BALL	BALL	POLYREX EM	TS	NONE	NONE	AISI 1045 (C-240)	CAST IRON
6212	6212						

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

*

N

O

T

E

S

INVERTER TORQUE: CONSTANT 2:1

INV. HP SPEED RANGE: NONE

ENCODER: NONE

NONE NONE

NONE NONE PPR

BRAKE: NONE NONE

NONE P/N NONE

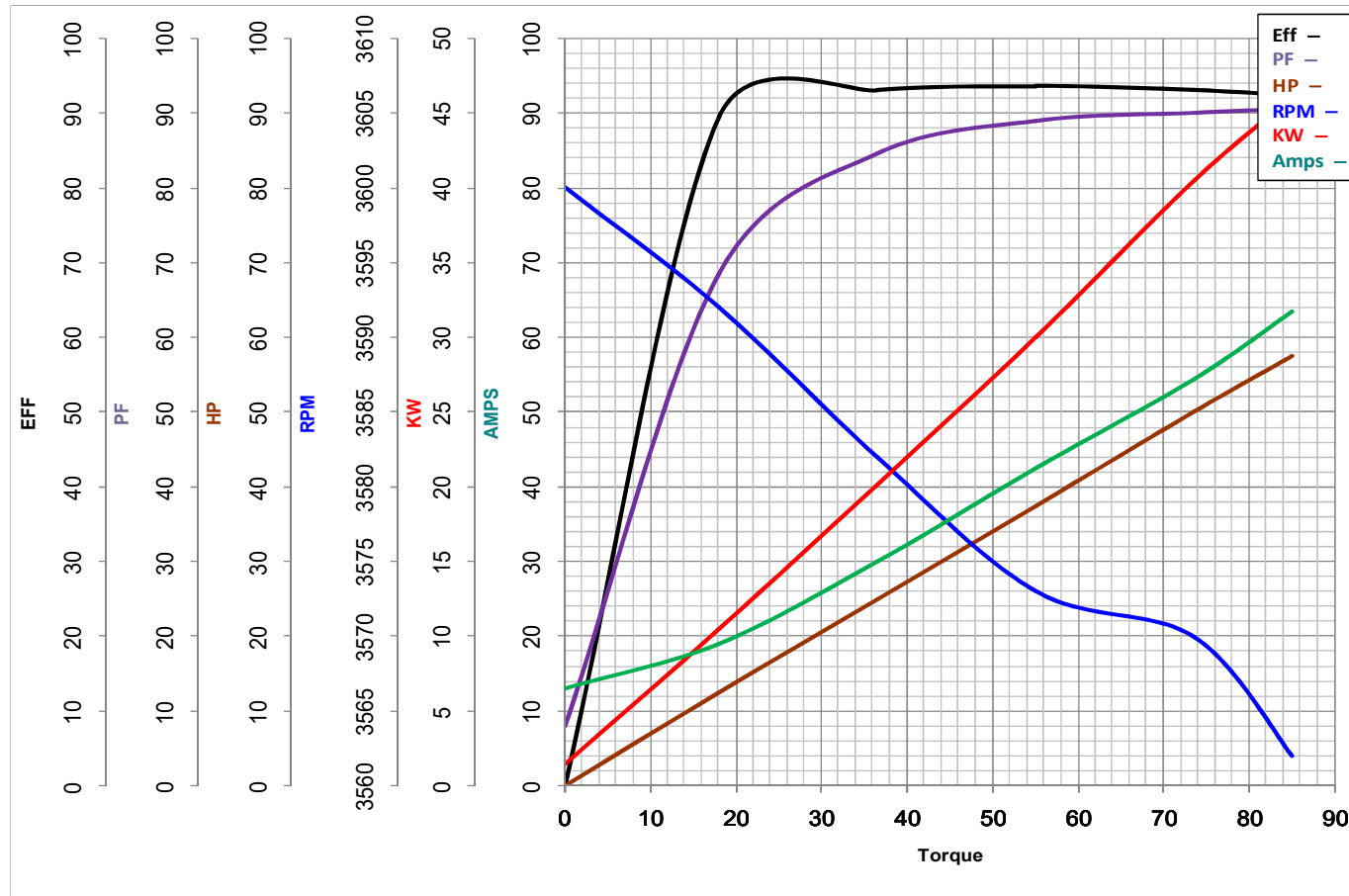
NONE NONE

NONE FT-LB NONE V NONE Hz



LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 199030.00Curve at 460
60
50Volts
HZ
HPHP 50&40PHASE 3VOLTS 230/460&190/380Catalog No 199030.00HZ 60&50RPM 3570&2970

Torque in Lb.Ft

FL TORQUE 73.5 Lb.Ft
 BD TORQUE 175.0 Lb.Ft
 LR TORQUE 117 Lb.Ft

FL AMPS 109/54.5
 PU TORQUE 100.0 Lb.Ft
 LR AMPS 335

WINDING CHT32620003-1

Date 11/13/2018