

PRODUCT INFORMATION PACKET



Model No: 199713.00

Catalog No: 199713.00

Obsolete,

Replaced by B199713.00 - 50HP..3600RPM.324TS.ODP.230/460V.3PH.60HZ.CONT.40C.1.15SF.RIGID.....GEN PURPOSE.



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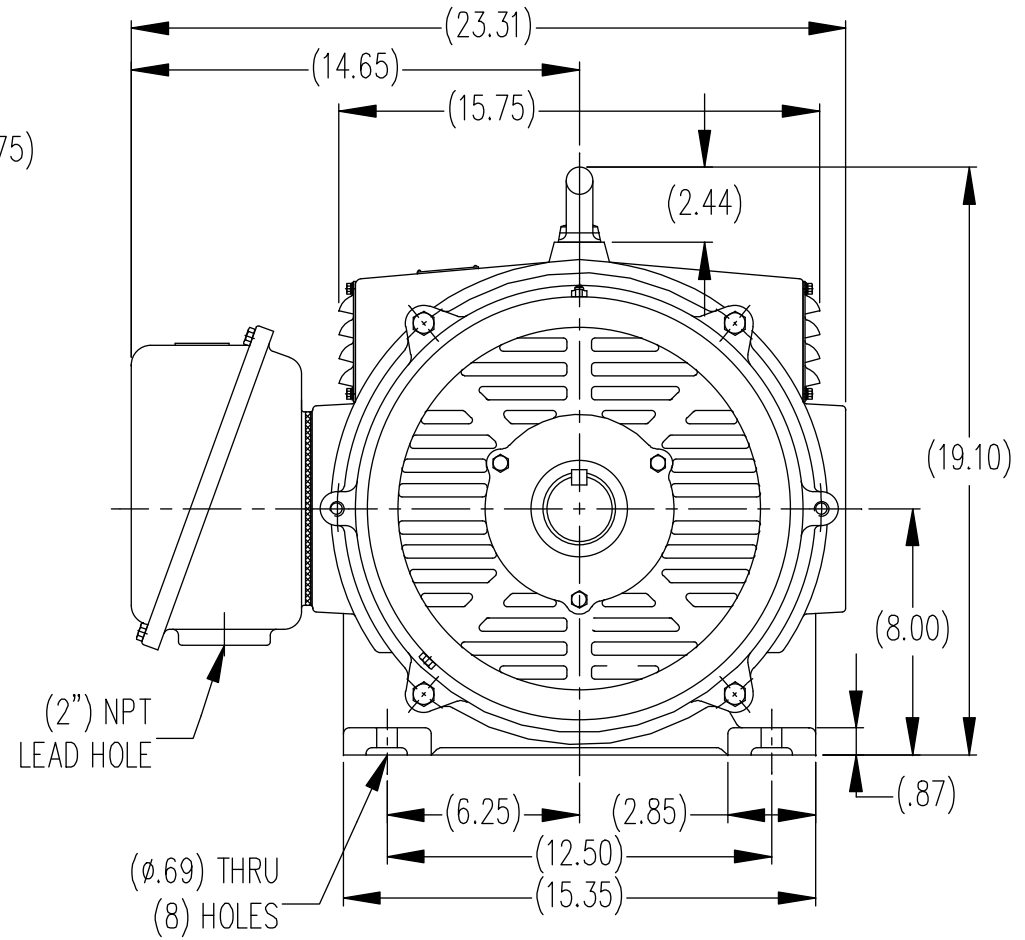
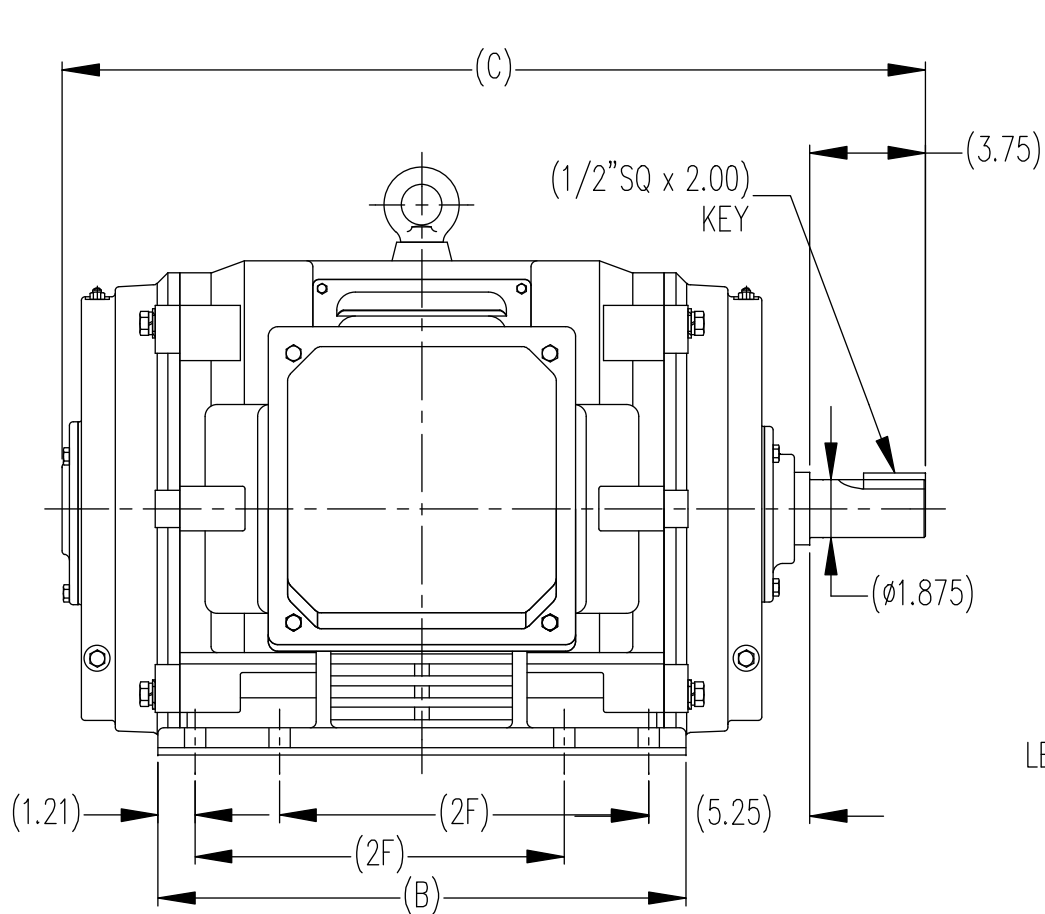
Nameplate Specifications

Phase	3	Output HP	50 & 40 Hp
Output KW	37.0 & 30.0 kW	Voltage	230/460 & 190/380 V
Speed	3560 & 2960 rpm	Service Factor	1.15 & 1.15
Frame	324TS	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	93 & 92.4 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	114/57 & 111/55.5 A	Power Factor	88
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	Y	IP Code	12
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	.132 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	VARIABLE 10:1		
Outline Drawing	SS620243	Connection Drawing	EE7308K_LE

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(DIMENSIONS IN TABLE ARE CONSIDERED REFERENCE)


324TS	27.05	15.99	10.50
326TS	28.23	17.17	12.00
FRAME	C	B	2F

(MAY NOT BE DRAWN TO SCALE)

			TOLERANCES UNLESS SPECIFIED	REGAL REGAL-BELOIT CORPORATION	DRAWN MSG 01-12-2010		
			DEC. INCHES		CHK	NJS 01-13-2010	
			.X ±.1	TITLE OUTLINE 320TS FR. - ODP	APPD	SB 01-13-2010	
			.XX ±.03		SCALE	1=1	
			.XXX ±.005		REF		
			.XXXX ±.0005		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		CAD FILE	SS620243	SIZE B
			DIST				DRAWING NO. SS620243
							REV.

LOW VOLTAGEHIGH VOLTAGE

VIEW OF TERMINAL END

				TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN KJC 01-27-2003			
				DEC.	INCHES		CHK ML 01-28-2003			
				.X	±.1		APPD TB 01-28-2003			
				.XX	±.02	TITLE CONNECTION DIAGRAM DELTA CONN. - 3Ø - 9 LEADS	SCALE 1.5=1			
				.XXX	±.005		REF			
01	NEW DRAWING CN36099	KJC 01-28-2003	TB	.XXXX	±.0005	MAT'L.	FMF			
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	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	CAD FILE EE7308K-LE		SIZE	DRAWING NO.	PAGE	OF
				DIST WP			A	EE7308K-LE		01



CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: EE7308K_LE

CATALOG #: 199713.00

OUTLINE: SS620243

MOUNTING: F1/F2 CAPABLE

WINDING #: CHT32420003 1

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
50&40	37.0&30.0	3600	3560&2960	324TS	DP	G	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	114/57&111/55.5	LINE OR INVERTER	CONTINUOUS	F1	1.15/1.15	40

FULL LOAD EFF:	93&92.4	3/4 LOAD EFF:	93.6	1/2 LOAD EFF:	92.4	GTD. EFF		ELEC. TYPE
FULL LOAD PF:	88&88	3/4 LOAD PF:	87	1/2 LOAD PF:	83	92.4		SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
73.8 LB-FT	636 / 318	113 LB-FT 153 %	168 LB-FT 227 %	35

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
78 dBA	88 dBA	4.8 LB-FT^2	- LB-FT^2	15 SEC.	2	450 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

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INVERTER TORQUE: VARIABLE 10:1

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

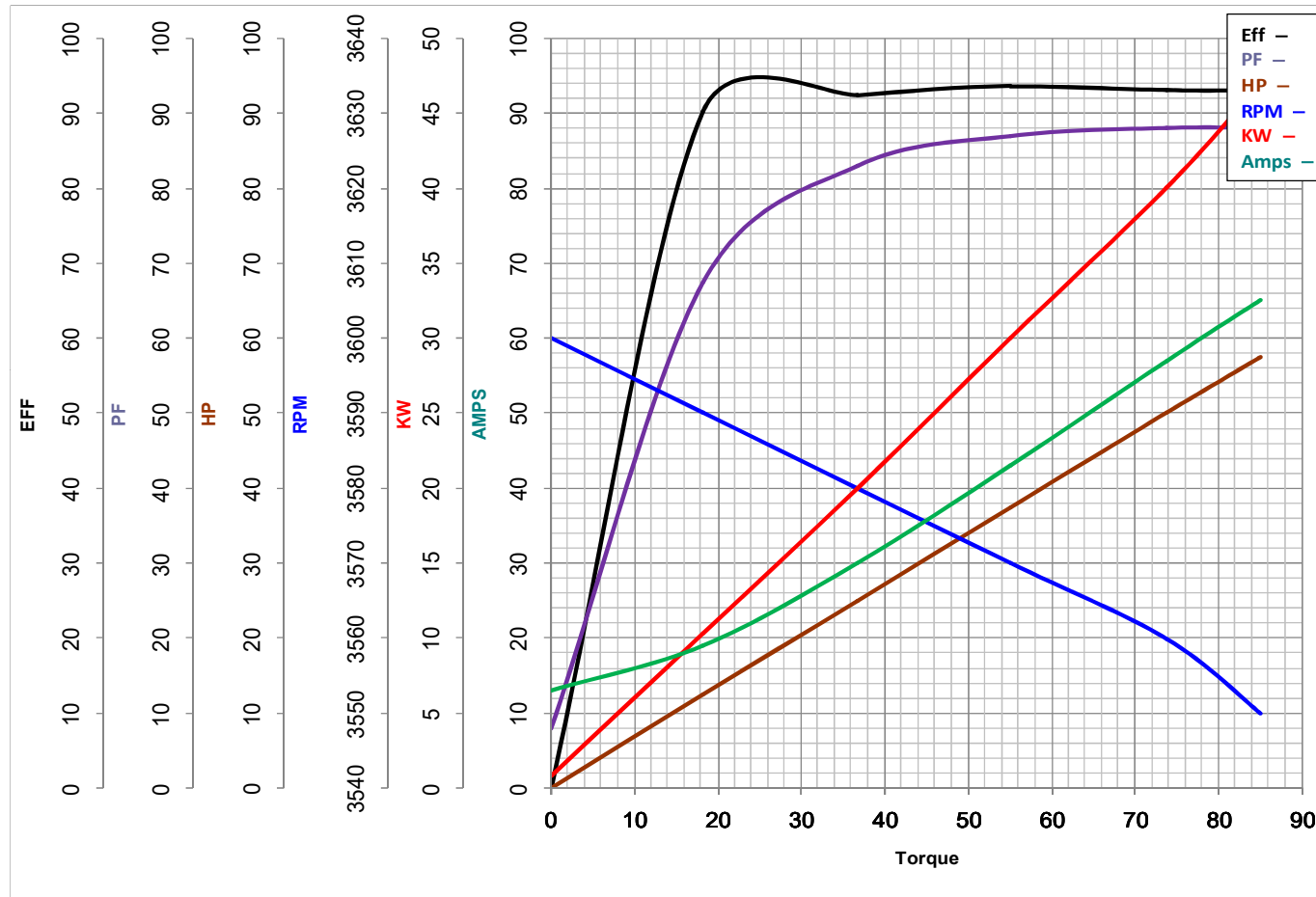
Model No 199713.00Catalog No 199713.00

LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Curve at 460
60
50

Volts
HZ
HP

HP 50&40PHASE 3VOLTS 230/460&190/380HZ 60&50RPM 3560&2960

Torque in Lb.Ft

FL TORQUE 73.8 Lb.Ft
BD TORQUE 168.0 Lb.Ft
LR TORQUE 113 Lb.Ft

FL AMPS 114/57
PU TORQUE 102.0 Lb.Ft
LR AMPS 318

WINDING CHT32420003-1

Date 11/13/2018