

PRODUCT INFORMATION PACKET



Model No: 194181.00

Catalog No: 194181.00

Other Purpose Motor, 50 & 40 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 & 1500 RPM,
326T Frame, TEFC



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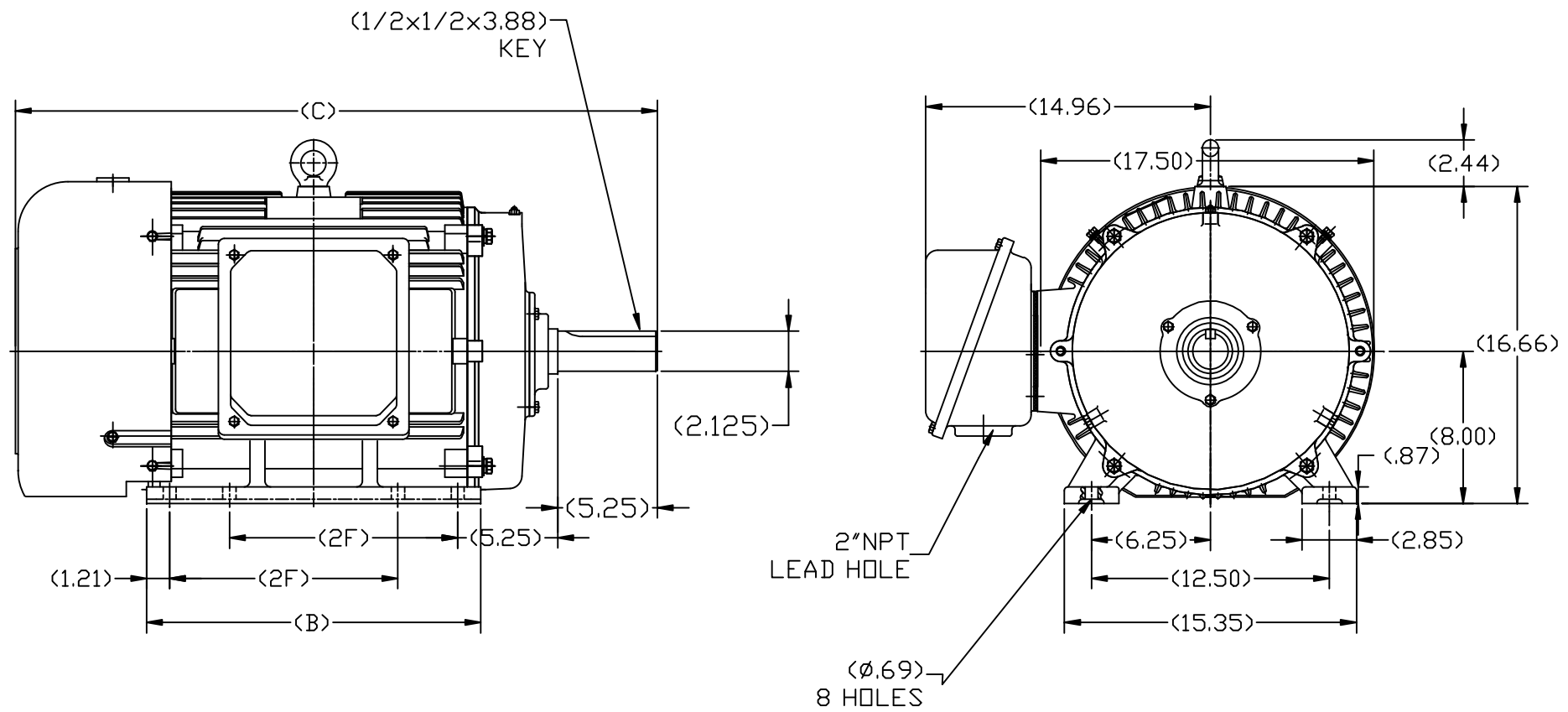


Nameplate Specifications

Phase	3	Output HP	50 & 40 Hp
Output KW	37.0 & 30.0 kW	Voltage	230/460 & 190/380 V
Speed	1780 & 1480 rpm	Service Factor	1.15 & 1.15
Frame	326T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	94.5 & 94.1 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	116/58 & 112/56 A	Power Factor	86
Duty	Continuous	Insulation Class	F
Design Code	C	KVA Code	G
Drive End Bearing Size	NU312	Opp Drive End Bearing Size	6311
UL	Recognized	CSA	Y
CE	N	IP Code	54
Number of Speeds	1		

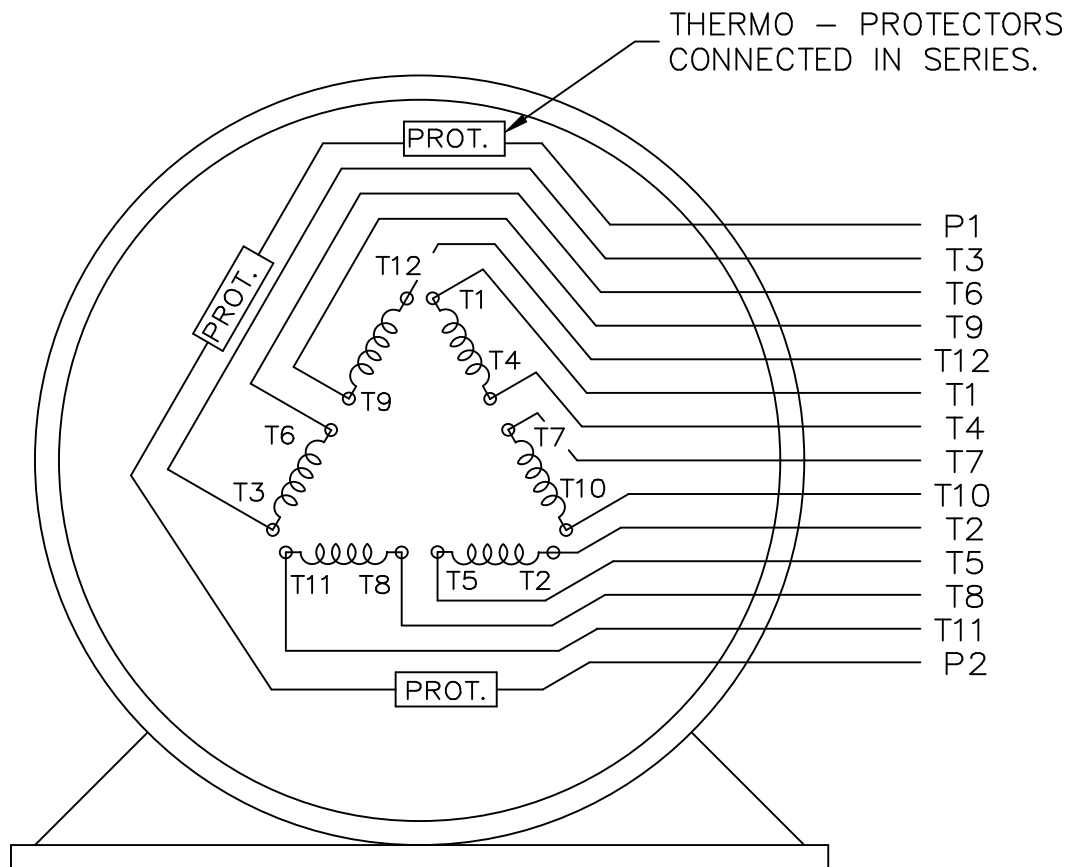
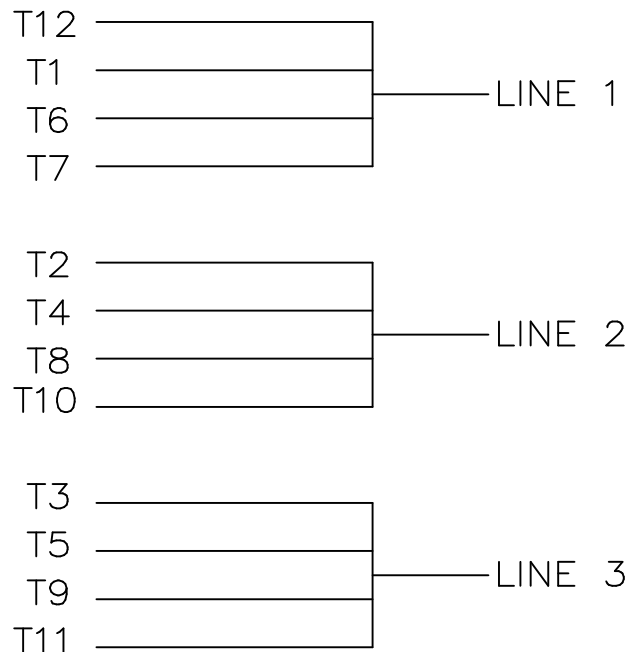
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.118 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Roller
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Overall Length	33.86 in
Frame Length	16.14 in	Shaft Diameter	2.125 in
Shaft Extension	5.25 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	SS620209-326T	Connection Drawing	A-EE7300CB-LE




324T	32.68	16.38	10.50
326T	33.86	17.56	12.00
FRAME	C	B	2F

		TOLERANCES UNLESS SPECIFIED		REGAL REGAL-BELOIT CORPORATION		DRAWN ZDU 7.17.2012	
		DEC.	INCHES			CHK	
		.X	±.1			APPD	
		.XX	±.03	TITLE		SCALE	
		.XXX	±.005	324/326T FR. TEFC-SEVERE DUTY		REF	
		.XXXX	±.0005	MAT'L.		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	SS620209	SIZE
				DIST		B	DRAWING NO.
						SS620209	REV.



THERMO - PROTECTORS
CONNECTED IN SERIES.

VIEW OF TERMINAL END

				TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN KL 02-27-2003			
				DEC.	INCHES		CHK GFH 03-03-2003			
				.X	± -		APPD JES 03-03-2003			
				.XX	± -		SCALE 1=1			
				.XXX	± -		REF			
1	NEW DRAWING	MU45634	KL 03-03-2003	.XXXX	± -	TITLE CONNECTION DIAGRAM - EXTERNAL 12 LEAD SINGLE VOLTAGE	FMF			
NO.	REVISION	BY & DATE	CHK	ANG	± -	FINISH	PREV			
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				DIST	WA-LE-SB					

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

CERTIFICATION DATA SHEET

CATALOG #: 194181.00

CONN. DIAGRAM: A-EE7300CB-LE

OUTLINE: SS620209-326T

MOUNTING: F1/F2 CAPABLE

WINDING #: CHT32640009 1

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
50&40	37.0&30.0	1800	1780&1480	326T	TEFC	G	C

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	116/58&112/56	LINE OR INVERTER	CONTINUOUS	F7	1.15/1.15	40

FULL LOAD EFF:	94.5&94.1	3/4 LOAD EFF:	94.5	1/2 LOAD EFF:	94.1	GTD. EFF	94.1	ELEC. TYPE	SQ CAGE INV RATED
FULL LOAD PF:	86&86	3/4 LOAD PF:	83	1/2 LOAD PF:	77				

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B,D. TORQUE	F.L. RISE°C
147 LB-FT	724 / 362	350 LB-FT 235 %	365 LB-FT 240 %	75

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
65 dBA	75 dBA	12 LB-FT^2	- LB-FT^2	20 SEC.	2	825 LBS.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	TRUE	NONE	FALSE	NONE	BLUE (EPOXY)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
ROLLER	BALL	POLYREX EM	T	NONE	NONE	4140 STRESSPROOF (C-214)	CAST IRON
NU312	6311						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
TSTATS (N/C)	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

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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

Data Sheet

Date: 1/17/2018

194181.00



Data @ 460 V

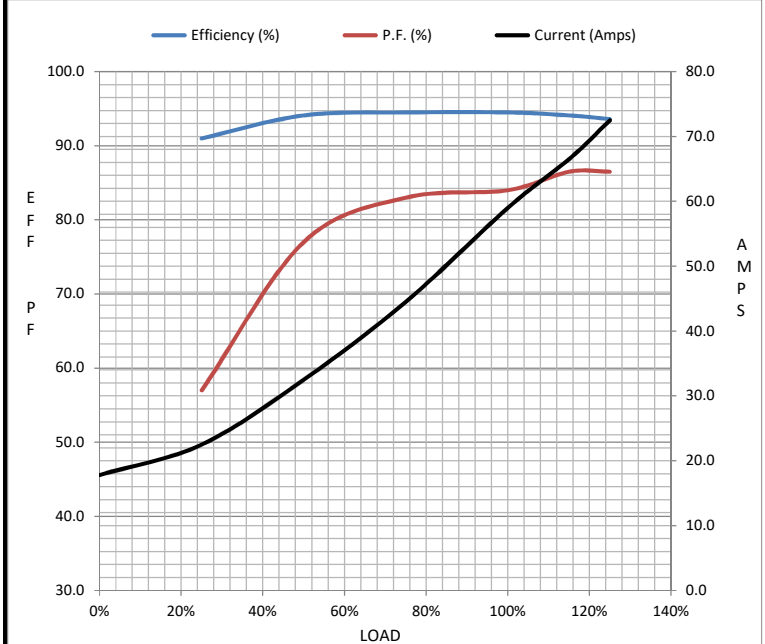
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	17.8	22.5	32.5	44.5	59.0	66.5	72.5	362
Torque (ft-lb)	0.00	36.5	73.5	110	147	170	185	350
RPM	1800	1795	1790	1785	1780	1.778	1775	0
Efficiency (%)		91.0	94.1	94.5	94.5	94.1	93.6	
P.F. (%)	5.0	57.0	77.0	83.0	84.0	86.5	86.5	40.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	970	1715	1780	1800
Current (Amps)	362	325	190	59.0	17.8
Torque (ft-lb)	350	300	365	147	0.00

Information Block				
HP	50.0			
Sync. RPM	1800			
Frame	326			
Enclosure	TEFC			
Construction	TFC			
Voltage	230/460#190/380 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	12.0 Lb-Ft ²			
Ref Wdg	CHT32640009 NONE			
Sound Pressure @ 1M	65 dBA			
VFD Rating	CONSTANT 2:1			
Outline Dwg	SS620209			
Conn. Diag	A-EE7300CB-LE			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0850	0.0540	0.3970	0.7200	14.8440



Speed - Torque Curve

