

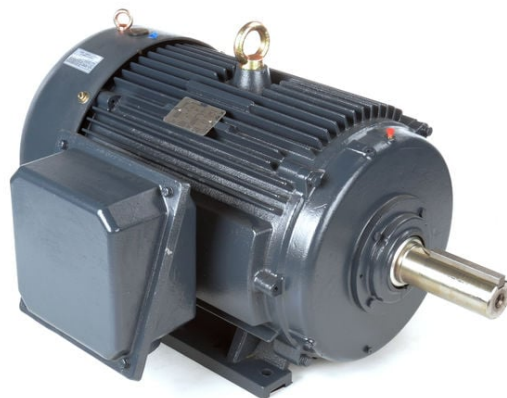
# PRODUCT INFORMATION PACKET



Model No: 194184.00

Catalog No: 194184.00

Other Purpose Motor, 60 & 50 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1200 & 1000 RPM,  
404T Frame, TEFC



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

©2023 Regal Rexnord Corporation, All Rights Reserved. MC017097E





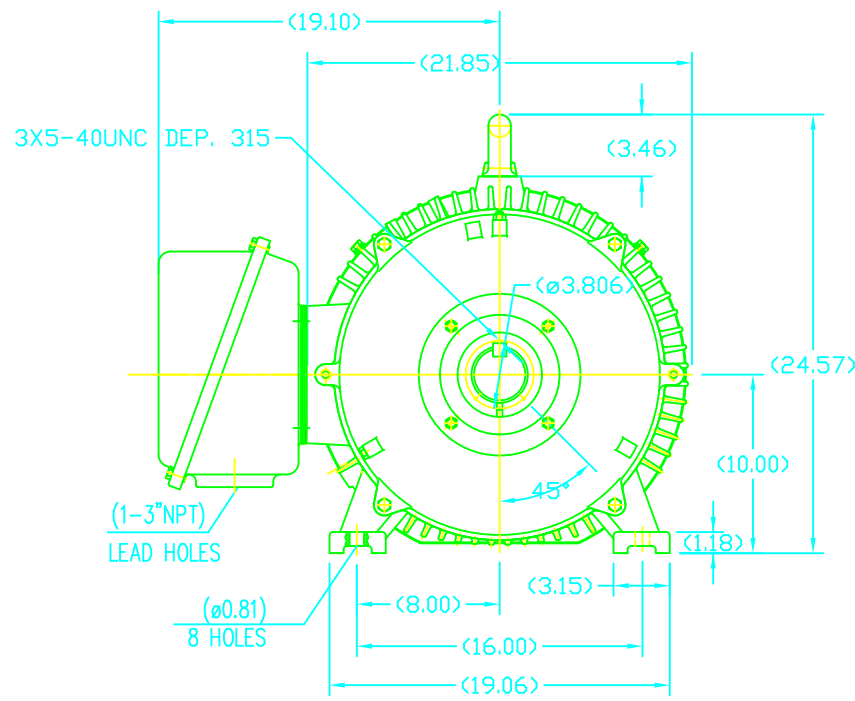
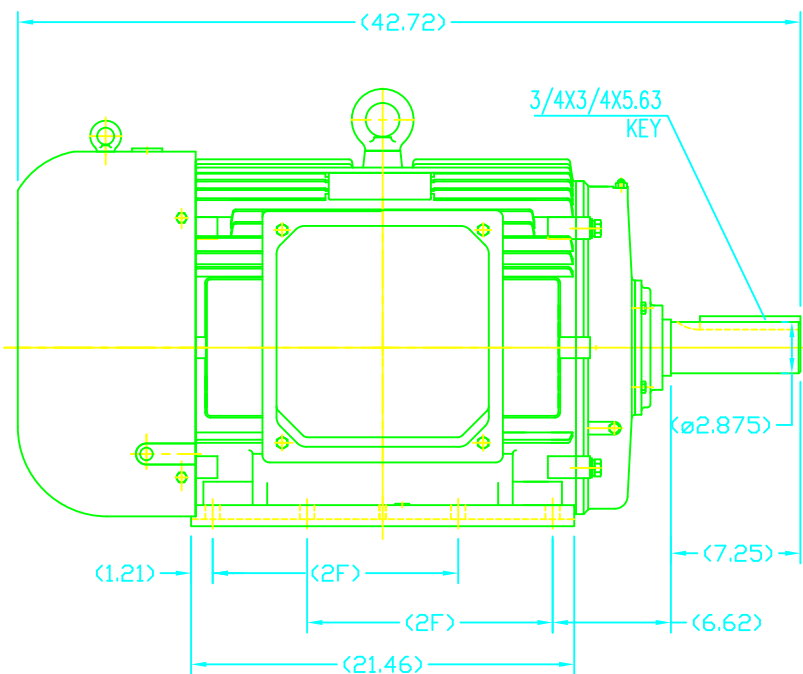
### Nameplate Specifications

Phase	3	Output HP	60 & 50 Hp
Output KW	45.0 & 37.0 kW	Voltage	230/460 & 190/380 V
Speed	1188 & 990 rpm	Service Factor	1.15 & 1.15
Frame	404T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Thermostat	Efficiency	94.5 & 93.6 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	144/72 & 145/72.5 A	Power Factor	83
Duty	Continuous	Insulation Class	F
Design Code	C	KVA Code	G
Drive End Bearing Size	NU316	Opp Drive End Bearing Size	6315
UL	Recognized	CSA	Y
CE	N	IP Code	55
Number of Speeds	1		

### Technical Specifications

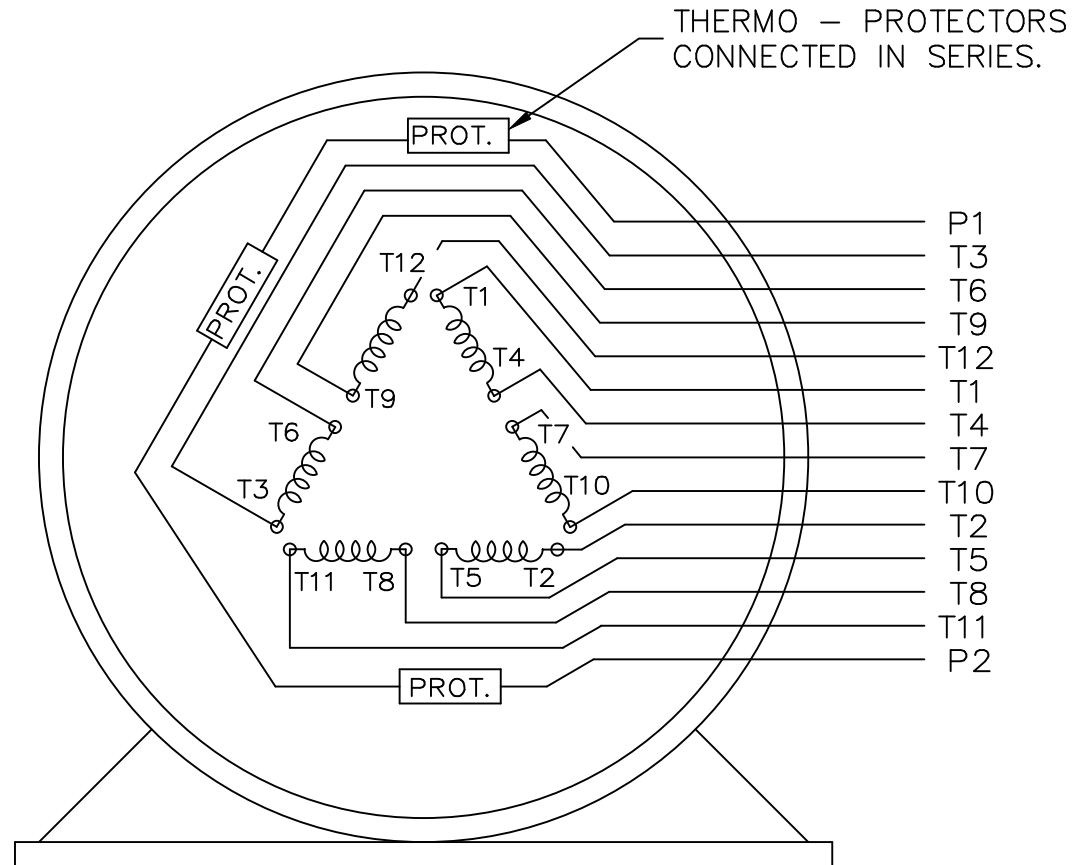
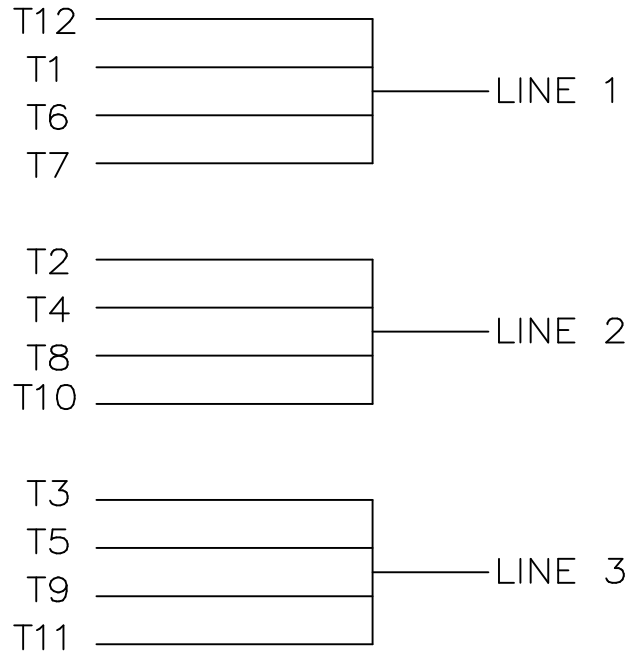
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	6	Rotation	Reversible
Resistance Main	.095 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Roller
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Overall Length	42.72 in
Frame Length	21.65 in	Shaft Diameter	2.875 in
Shaft Extension	7.25 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	A-EE7300CB-LE	Outline Drawing	SS620676-404T

SS620676




404T	12.25
405T	13.75
FRAME	2F

		TOLERANCES UNLESS SPECIFIED		REGAL REGAL - BELOIT CORPORATION		DRAWN ZYH 12-02-2014	
		DEC.	INCHES			CHK HZJ 12-02-2014	
		X	±.1			APPD CL 12-02-2014	
		XX	±.03	TITLE		SCALE	
		XXX	±.005	OUTLINE 404/405T FR-TEFC		REF	
A		RELEASED FOR PRODUCTION	ECD-0074303	WGJ	5/12/15	AB	XXXX ±.0005
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		SIZE DRAWING NO.
				DIST			B SS620676
						REV. A	



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		
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 EE7300CB-LE		SIZE	DRAWING NO. PAGE OF	REV.
				DIST	WA-LE-SB		A	EE7300CB-LE	1

ERROR: undefined  
OFFENDING COMMAND: Pscript\_WinNT\_Co  
STACK:



**CERTIFICATION DATA SHEET**

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

**CONN. DIAGRAM:** A-EE7300CB-LE

**CATALOG #:** 194184.00

**OUTLINE:** SS620676

**MOUNTING:** F1/F2 CAPABLE

**WINDING #:** CHT40460003 1

**TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
60&50	45.0&37.0	1200	1188&990	404T	TEFC	G	C

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	144/72&145/72.5	LINE OR INVERTER	CONTINUOUS	F1	1.15/1.15	40

FULL LOAD EFF:	94.5&93.6	3/4 LOAD EFF:	94.1	1/2 LOAD EFF:	93	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	83&83.5	3/4 LOAD PF:	80	1/2 LOAD PF:	71	93		SQ CAGE INV RATED	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B,D. TORQUE	F.L. RISE°C
265 LB-FT	870 / 435	550 LB-FT 205 %	600 LB-FT 225 %	75

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
68 dBA	78 dBA	42 LB-FT^2	1000 LB-FT^2	25 SEC.	2	1550 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
NU316	6315						

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

\*  
N  
O  
T  
E  
S

<b>INVERTER TORQUE:</b> CONSTANT 20:1
<b>INV. HP SPEED RANGE:</b> NONE
<b>ENCODER:</b> NONE
NONE NONE
NONE NONE PPR
<b>BRAKE:</b> NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz

Data Sheet

Date: 1/31/2018

194184.00



Data @ **460 V**

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	26.0	31.0	42.0	56.0	72.0	82.0	89.0	435
Torque (ft-lb)	0.00	66.0	132	199	265	306	333	550
RPM	1200	1198	1195	1192	1188	1,186	1182	0
Efficiency (%)		89.5	93.0	94.1	94.5	93.6	93.0	
P.F. (%)	5.5	51.0	71.0	80.0	83.0	84.0	84.0	35.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	1150	1188	1200
Current (Amps)	435	350	250	72.0	26.0
Torque (ft-lb)	550	450	600	265	0.00

Information Block				
HP	60.0			
Sync. RPM	1200			
Frame	404			
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	75 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk <sup>2</sup>	42.0 Lb-Ft <sup>2</sup>			
Ref Wdg	CHT40460003 NONE			
Sound Pressure @ 1M	68 dBA			
VFD Rating	CONSTANT 20:1			
Outline Dwg	SS620676			
Conn. Diag	A-EE7300CB-LE			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0660	0.0350	0.3170	0.6150	10.2030

