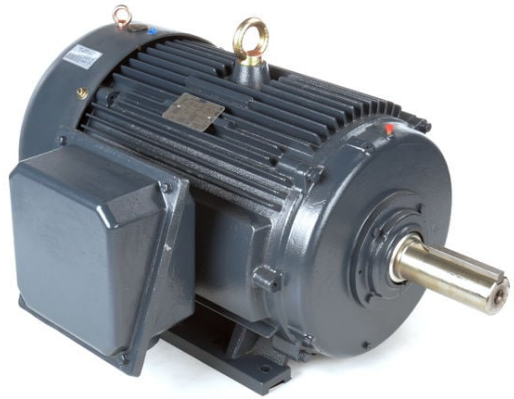
PRODUCT INFORMATION PACKET

Model No: 194186.00
Catalog No: 194186.00
Other Purpose Motor, 75 & 60 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1200 & 1000 RPM, 405T Frame, TEFC



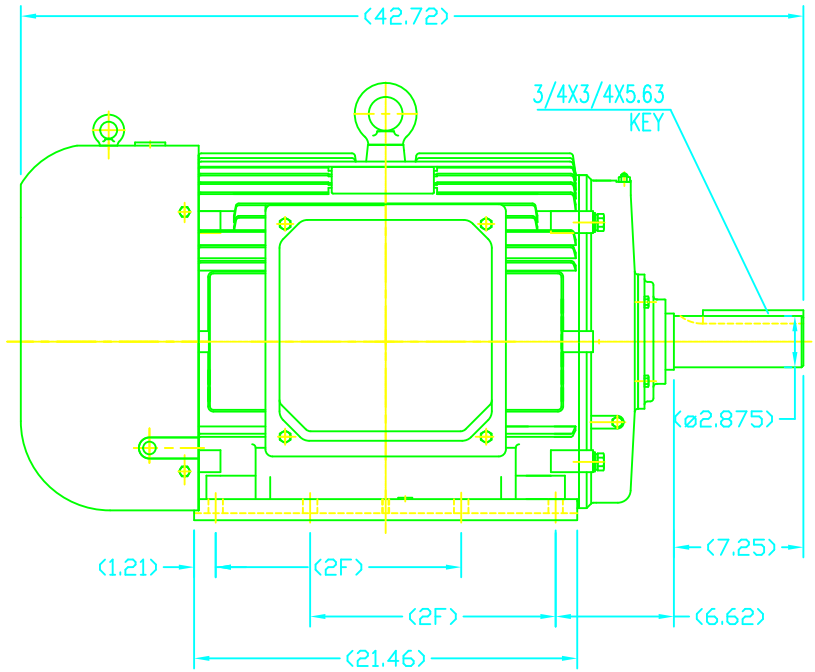
Nameplate Specifications

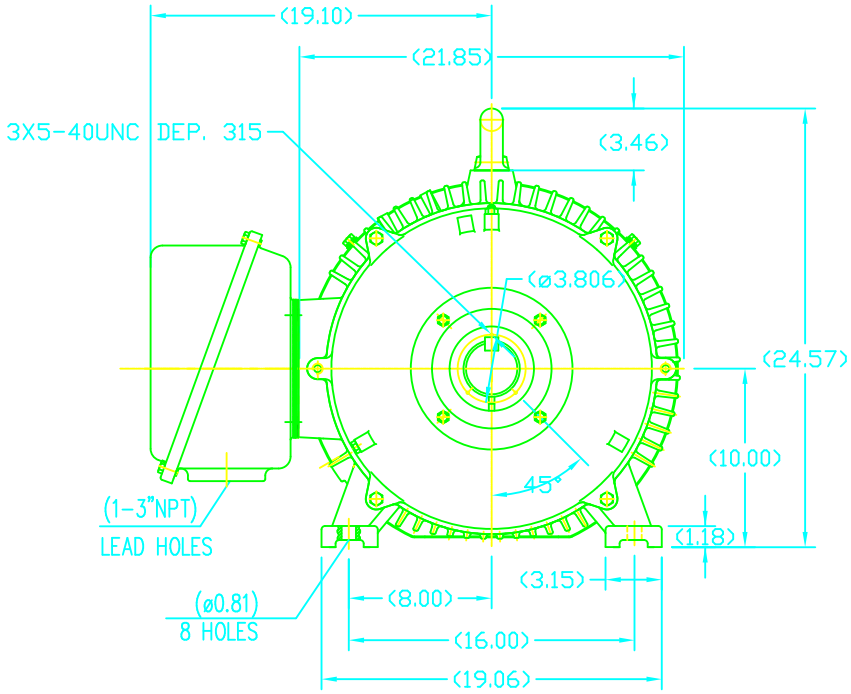
Phase	3	Output HP	75 & 60 Hp
Output KW	56.0 & 45.0 kW	Voltage	230/460 & 190/380 V
Speed	1188 & 990 rpm	Service Factor	1.15 & 1.15
Frame	405T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	94.1 & 94.1 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	178/89 & 173/86.5 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	.07 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	SS620676-405T

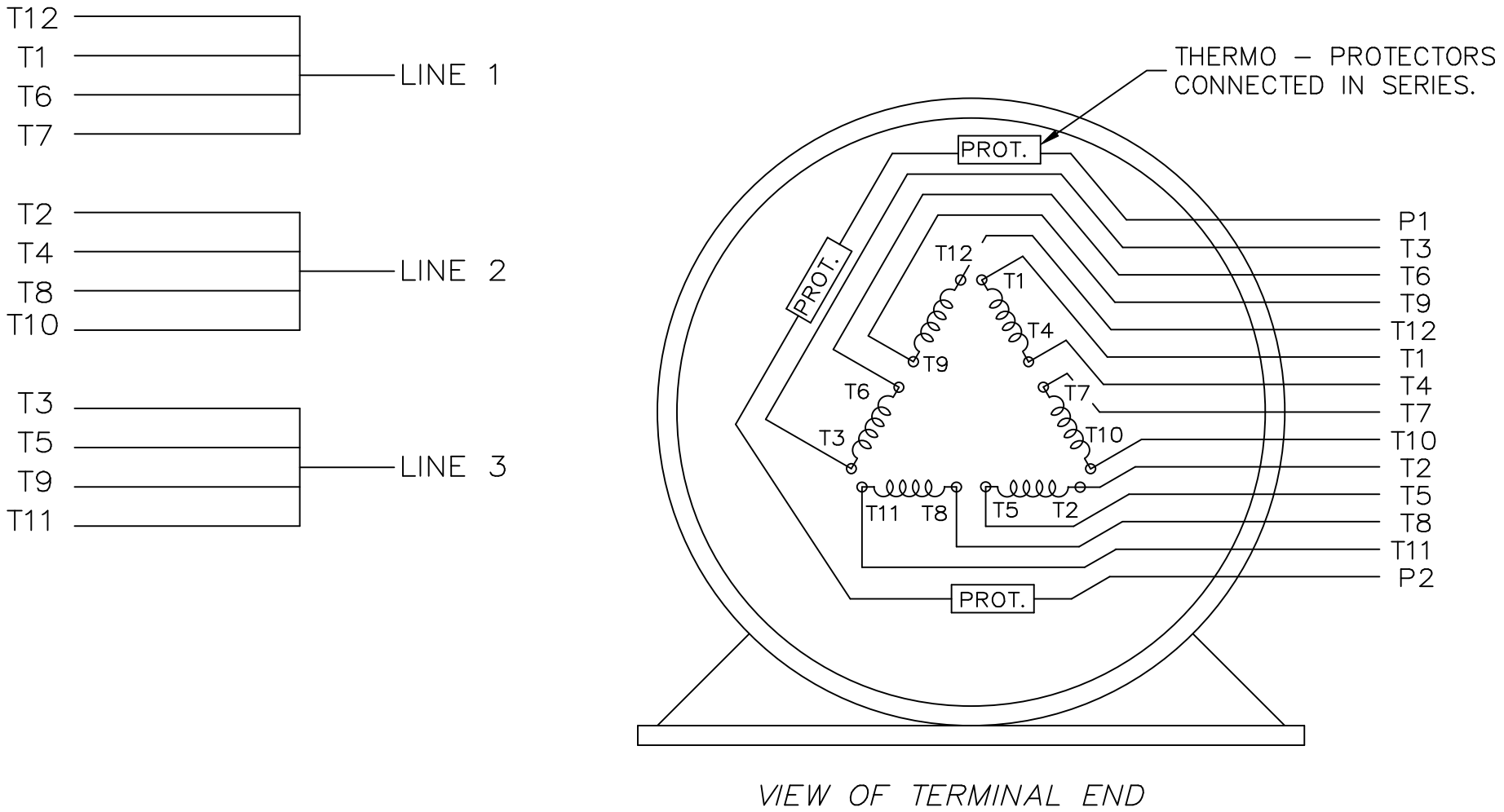
SS620676





404T	12.25
405T	13.75
FRAME	2F

				TOLERANCES UNLESS SPECIFIED		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	OUTLINE 404/405T FR-TEFC CAST IRON severe duty	SCALE
				.XXX	±.005			REF
A	RELEASED FOR PRODUCTION ECO-0074303	WGJ 5/12/15	AB	.XXXX	±.0005	MAT'L.		FMF Wuxi
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			CAD FILE	SIZE B	DRAWING NO. SS620676	REV. A
			DIST					



VIEW OF TERMINAL END

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

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STACK:

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

CERTIFICATION DATA SHEET

CATALOG #: 194186.00

CONN. DIAGRAM: A-EE7300CB-LE
OUTLINE: SS620676
WINDING #: CHT40560003 1

MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
75&60	56.0&45.0	1200	1188&990	405T	TEFC	G	C

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	178/89&173/86.5	LINE OR INVERTER	CONTINUOUS	F1	1.15/1.15	40

FULL LOAD EFF:	94.1&94.1	**3/4 LOAD EFF:**	94.1	**1/2 LOAD EFF:**	93.6	**GTD. EFF**	**ELEC. TYPE**
FULL LOAD PF:	83&83.5	**3/4 LOAD PF:**	81	**1/2 LOAD PF:**	73	93	SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
332 **LB-FT**	1084 / 542	700 **LB-FT** 210 %	750 **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**	50 **LB-FT^2**	1200 **LB-FT^2**	25 **SEC.**	2	1650 **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**

NOTES

INVERTER TORQUE: CONSTANT 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

Data Sheet

Date: 1/23/2018

194186.00

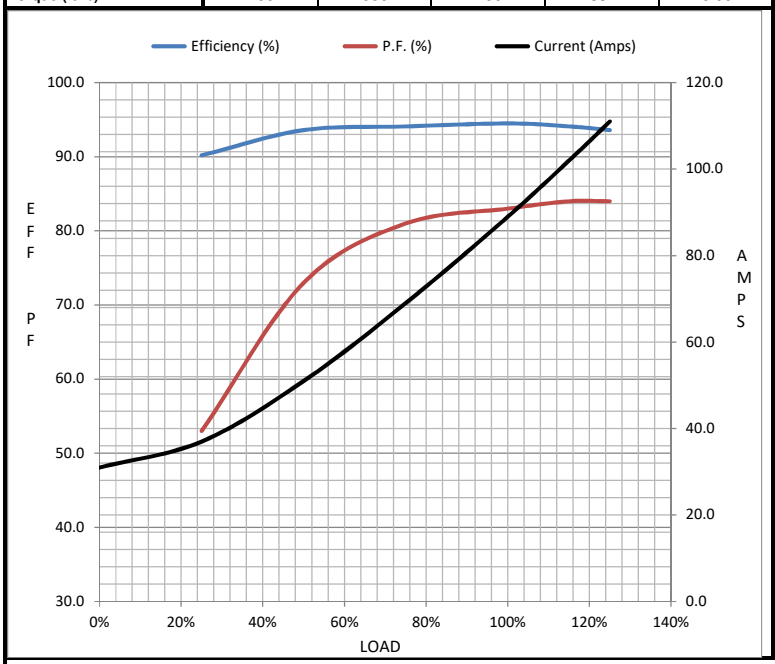
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	31.0	37.0	51.0	69.0	89.0	102	111	542	
Torque (ft-lb)	0.00	82.5	165	248	332	382	416	700	
RPM	1200	1196	1194	1192	1188	1,186	1182	0	
Efficiency (%)		90.2	93.6	94.1	94.5	94.1	93.6		
P.F. (%)	5.5	53.0	73.0	81.0	83.0	84.0	84.0	36.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	1150	1188	1200
Current (Amps)	542	450	275	89.0	31.0
Torque (ft-lb)	700	550	750	332	0.00



Information Block

HP	75.0	
Sync. RPM	1200	
Frame	405	
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 wk²	50.0	Lb-Ft²
Ref Wdg	CHT40560003 NONE	
Sound Pressure @ 1M	68	dBA
VFD Rating	CONSTANT 10:1	
Outline Dwg	SS620676	
Conn. Diag	A-EE7300CB-LE	

Additional Specifications:

0

0

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.0510	0.0280	0.2510	0.5180	8.6560

Speed -Torque Curve