

PRODUCT INFORMATION PACKET



Model No: 199075.00

Catalog No: 199075.00

Obsolete Replaced by B199075.00..100HP..3600RPM.405TSC.TEFC.230/460V.3PH.60HZ.CONT.40C.1.15SF.RIGID
-C.....GENERAL PURPOSE.....



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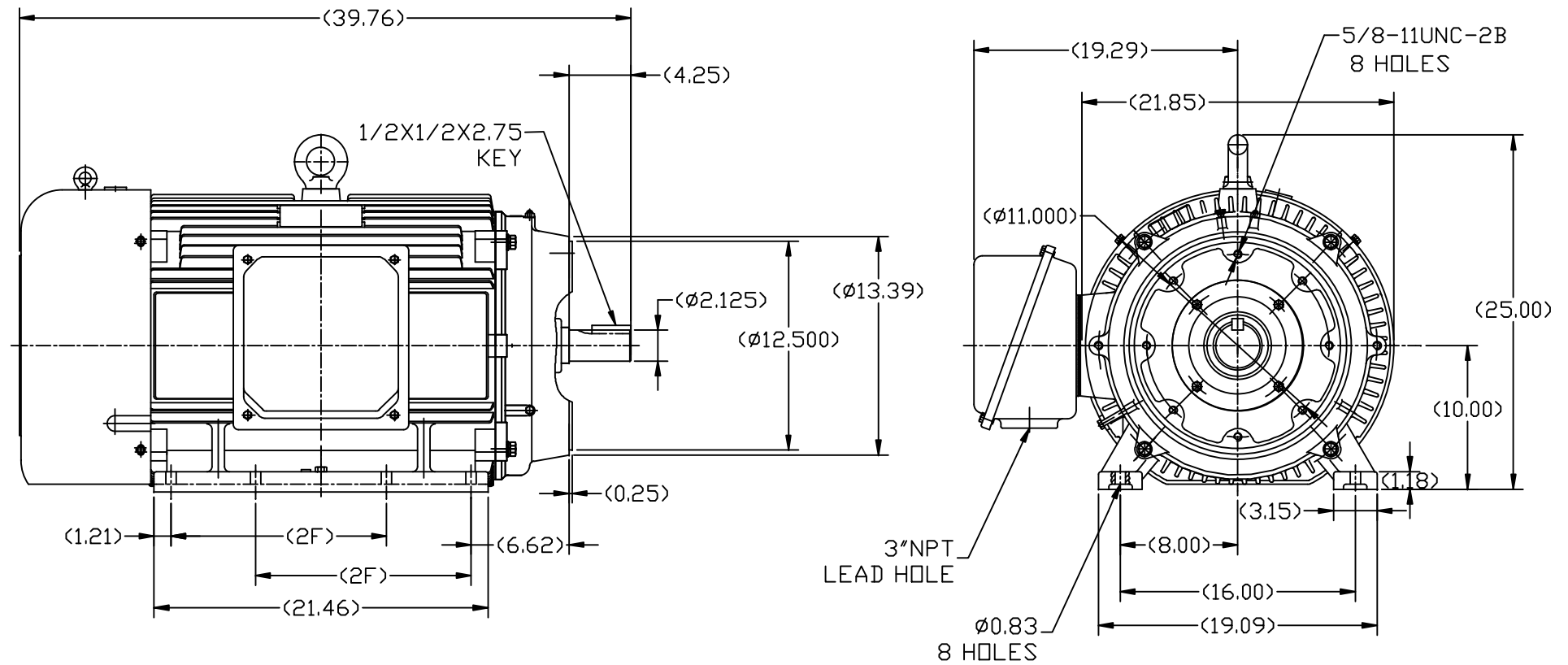
Nameplate Specifications

Phase	3	Output HP	100 & 75 Hp
Output KW	75.0 & 56.0 kW	Voltage	230/460 & 190/380 V
Speed	3575 & 2975 rpm	Service Factor	1.15 & 1.0
Frame	405TSC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	94.5 & 94.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	216/108 & 196/98 A	Power Factor	91
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6313	Opp Drive End Bearing Size	6313
UL	Recognized	CSA	Y
CE	N	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Part Wdg Start Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	.045 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 10:1		
Outline Drawing	SS620304-405TSC	Connection Drawing	A-EE7341C-LE

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DRAWING NOT TO SCALE

404TSC	12.25
405TSC	13.75
FRAME	2F

		TOLERANCES UNLESS SPECIFIED		REGAL-BELOIT CORPORATION	DRAWN SY 4-21-2010	
DEC.	INCHES	DEC.	INCHES		CHK	HZJ 4-21-2010
.X	±.1	.X	±.1	TITLE OUTLINE 404/405TSC FR-TEFC-CAST IRON	APPD	CL 4-21-2010
.XX	±.03	.XX	±.03		SCALE	2=19
.XXX	±.005	.XXX	±.005		REF	
.XXXX	±.0005	.XXXX	±.0005	MAT'L	FMF	HWADA
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	SS620304
				DIST	SIZE	DRAWING NO.
					B	SS620304
						REV.

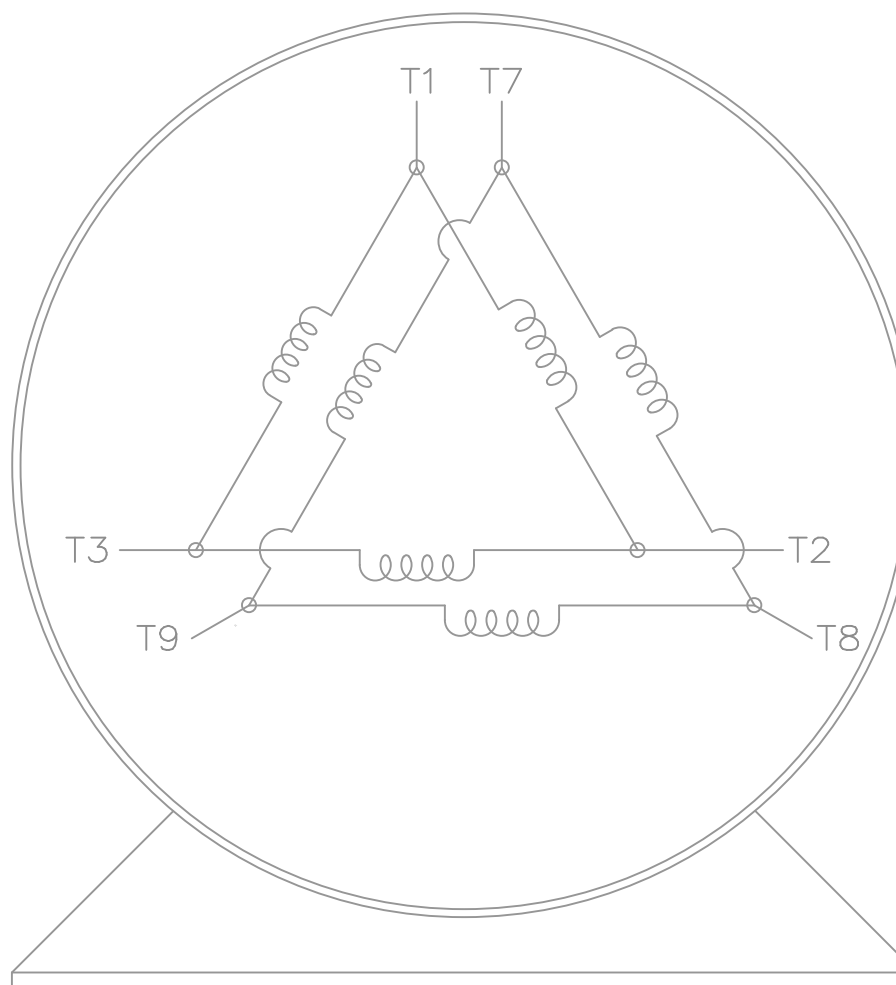
THREE PHASE — PART WINDING START DELTA — 6 LEADS

START

CONNECT T1 TO LINE 1
CONNECT T2 TO LINE 2
CONNECT T3 TO LINE 3
T7-T8-T9 OPEN

RUN

CONNECT T1&T7 TO LINE 1
CONNECT T2&T8 TO LINE 2
CONNECT T3&T9 TO LINE 3



VIEW OF TERMINAL END

				TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN KL 07-23-2002						
				DEC.	INCHES		CHK DJK 07-23-2002						
				.X	± -		APPD EAB 07-23-2002						
				.XX	± -		SCALE 1=1						
				.XXX	± -	TITLE CONNECTION DIAGRAM 3ø - 6 LEADS	REF						
1	NEW DRAWING	MU42766	KL 07-23-2002	.XXXX	± -	MAT'L.	FMF						
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				DIST WA-LB-LE					A	EE7341C-LE			1



CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: A-EE7341C-LE

CATALOG #: 199075.00

OUTLINE: B-SS620304

MOUNTING: F1/F2 CAPABLE

WINDING #: CHT40520001 1

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
100&75	75.0&56.0	3600	3575&2975	405TSC	TEFC	G	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	216/108&196/98	PWS OR INVERTER	CONTINUOUS	F1	1.15/1.0	40

FULL LOAD EFF:	94.5&94.5	3/4 LOAD EFF:	94.5	1/2 LOAD EFF:	94.1	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	91&91	3/4 LOAD PF:	90.5	1/2 LOAD PF:	88	93.6	SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
147 LB-FT	1450 / 725	250 LB-FT 170 %	400 LB-FT 272 %	65

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
78 dBA	88 dBA	19 LB-FT^2	65 LB-FT^2	15 SEC.	2	1550 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	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
6313	6313						

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: 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



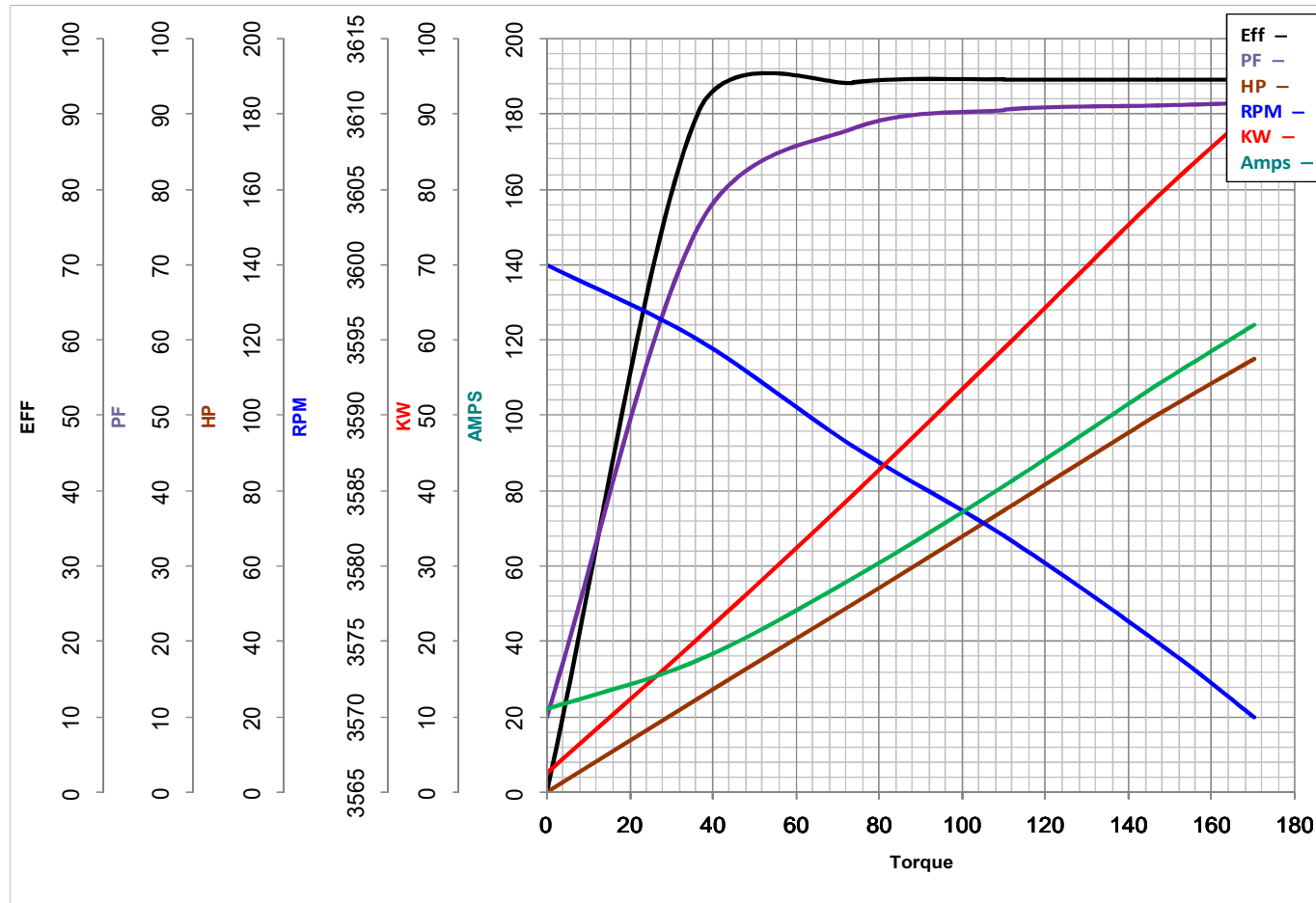
LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 199075.00

Curve at

460
60
100

Volts
HZ
HP
HP 100&75PHASE 3VOLTS 230/460&190/380Catalog No 199075.00HZ 60&50RPM 3575&2975

Torque in Lb.Ft

FL TORQUE 147 Lb.Ft
BD TORQUE 400.0 Lb.Ft
LR TORQUE 250 Lb.Ft

FL AMPS 216/108
PU TORQUE 200.0 Lb.Ft
LR AMPS 725

WINDING CHT40520001-1

Date 12/13/2018