

PRODUCT INFORMATION PACKET



Model No: 199758.00

Catalog No: 199758.00

Obsolete Replaced by B199758.00..100HP..3600RPM.365TSC.ODP.230/460V.3PH.60HZ.CONT.40C.1.15SF.RIGID
C FACE.....GEN PURPOSE.....



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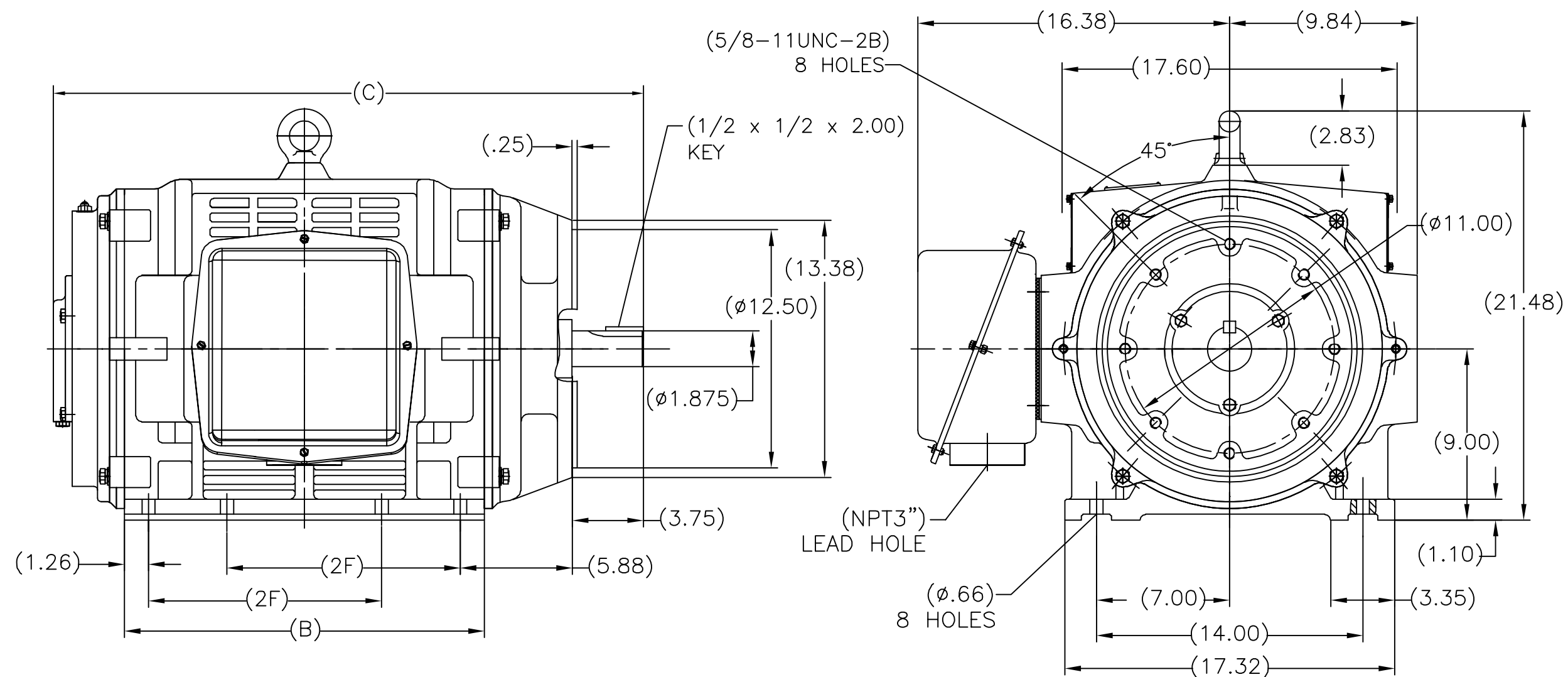
Nameplate Specifications

Phase	3	Output HP	100 & 75 Hp
Output KW	75.0 & 56.0 kW	Voltage	230/460 & 190/380 V
Speed	3565 & 2970 rpm	Service Factor	1.15 & 1.15
Frame	365TSC	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	93.6 & 93.6 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	222/111 & 198/99 A	Power Factor	90
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6312	Opp Drive End Bearing Size	6312
UL	Recognized	CSA	Y
CE	Y	IP Code	12
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Wye Start Delta Run Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	.06092 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	SS620596	Connection Drawing	EE7308AA-LE

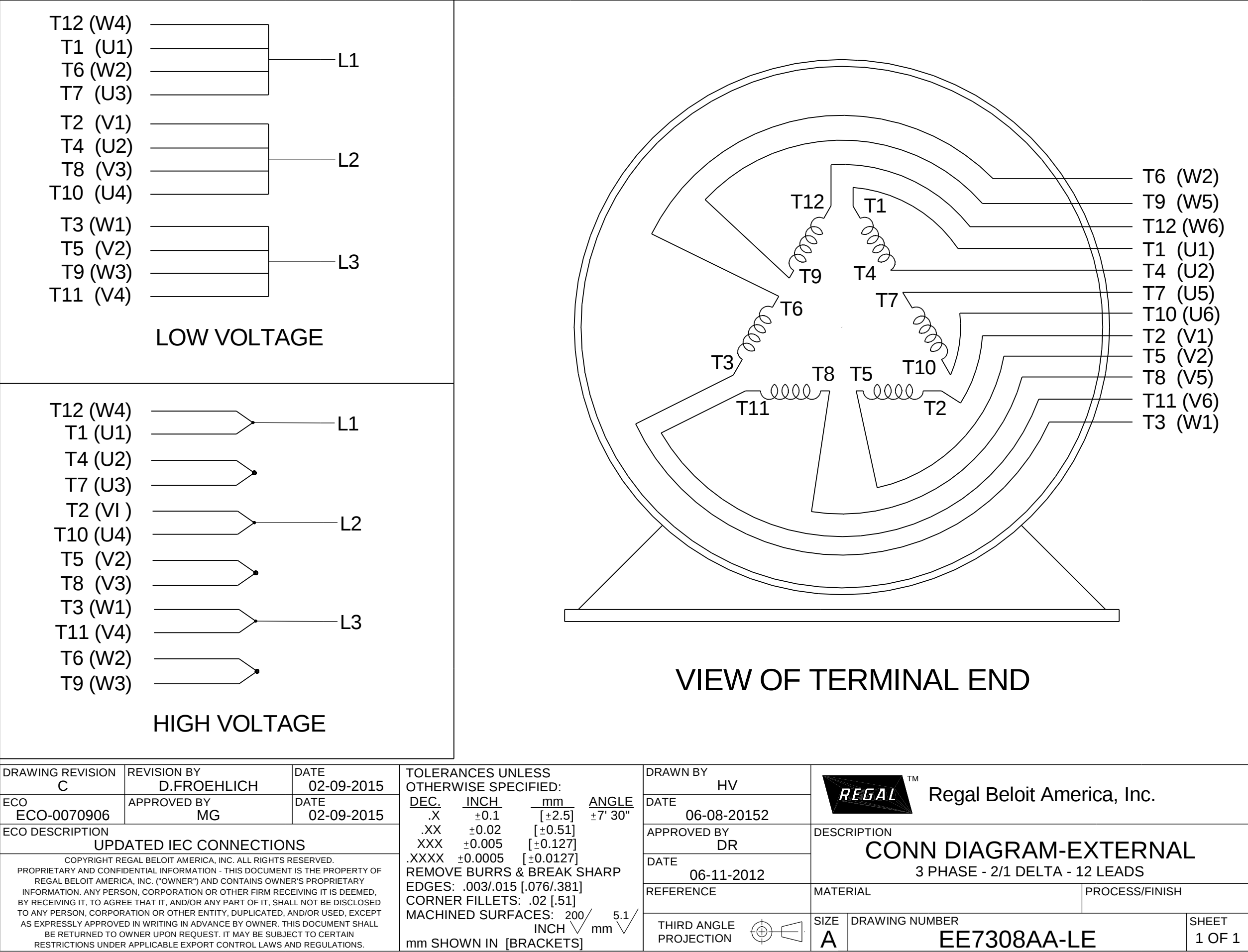
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(DRAWING MAY NOT BE TO SCALE)

364TSC	29.57	16.93	11.25
365TSC	31.14	18.51	12.25
FRAME	C	B	2F

				TOLERANCES UNLESS SPECIFIED		 REGAL-BELOIT CORPORATION	DRAWN ZYH 11/05/2013				
				DEC.	INCHES		CHK				
				.X	±.1		APPD				
				.XX	±.03		TITLE OUTLINE	SCALE	N/A		
				.XXX	±.005	364/365TSC FR – ODP – CAST IRON	REF				
1	REVISED DIM's PER. ECO-0050387	RFH 04/30/2014		.XXXX	±.0005	MAT'L	FMF				
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 SS620596	SIZE	DRAWING NO.	PAGE 1 OF 1	REV.
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CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: EE7308AA-LE

CATALOG #: 199758.00

OUTLINE: SS620596

MOUNTING: F1/F2 CAPABLE

WINDING #: CHT36520002 1

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
100&75	75.0&56.0	3600	3565&2970	365TSC	DP	G	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	222/111&198/99	Y START D RUN OR INV	CONTINUOUS	F1	1.15/1.15	40

FULL LOAD EFF:	93.6&93.6	3/4 LOAD EFF:	94.1	1/2 LOAD EFF:	93.6	GTD. EFF		ELEC. TYPE
FULL LOAD PF:	90&90	3/4 LOAD PF:	89.5	1/2 LOAD PF:	85.5	93		SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B,D. TORQUE	F.L. RISE°C
147 LB-FT	1420 / 710	255 LB-FT 172 %	350 LB-FT 238 %	45

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
75 dBA	85 dBA	9.5 LB-FT^2	- LB-FT^2	15 SEC.	2	900 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
6312	6312						

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



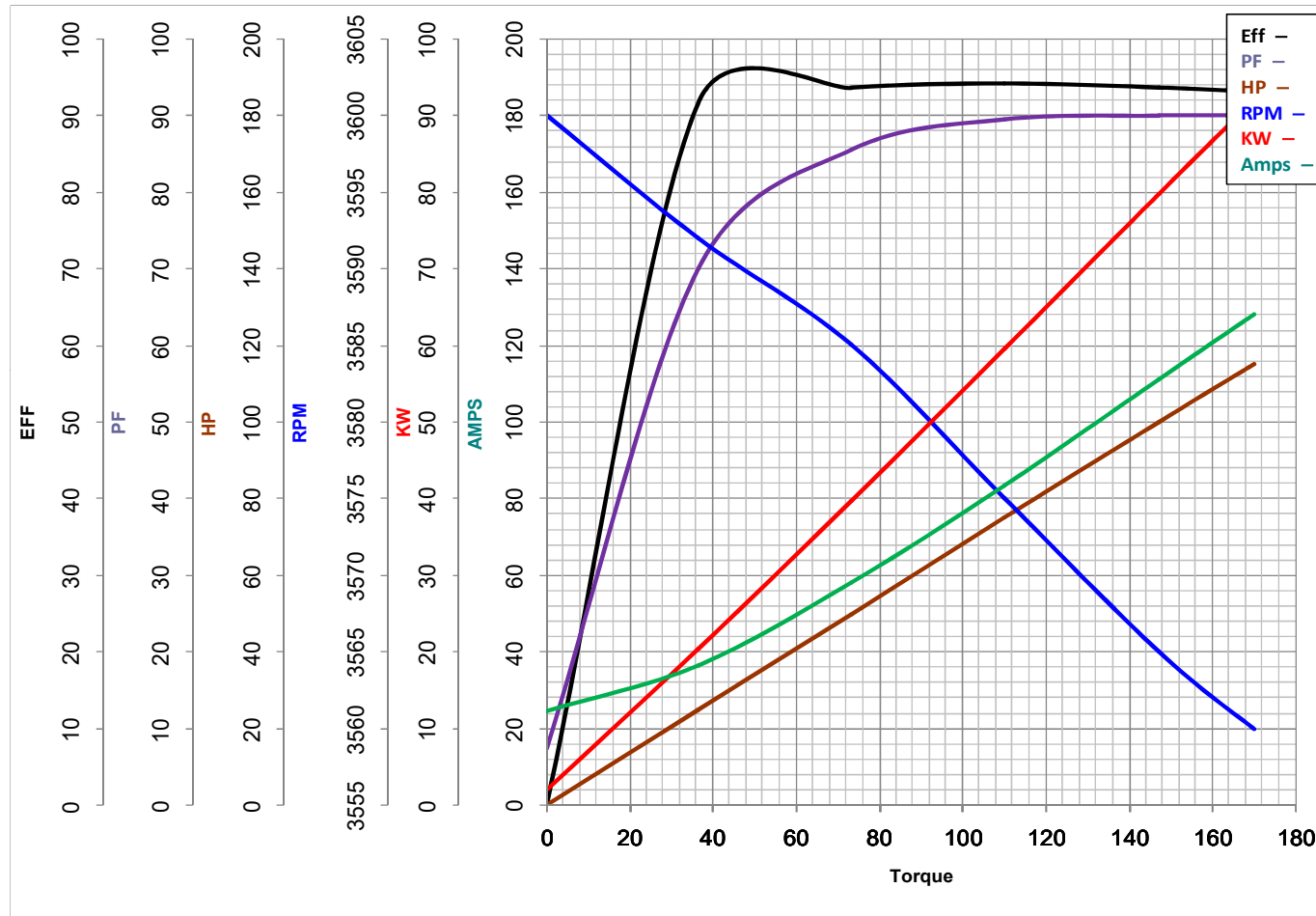
LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 199758.00

Curve at

460
60
100

Volts
HZ
HP
HP 100&75PHASE 3VOLTS 230/460&190/380Catalog No 199758.00HZ 60&50RPM 3565&2970

Torque in Lb.Ft

FL TORQUE 147 Lb.Ft
BD TORQUE 350.0 Lb.Ft
LR TORQUE 255 Lb.Ft

FL AMPS 222/111
PU TORQUE 200.0 Lb.Ft
LR AMPS 710

WINDING CHT36520002-1

Date 12/13/2018