

PRODUCT INFORMATION PACKET



Model No: 199718.00
Catalog No: 199718.00

Obsolete,

ced by B199718.00 - 60HP..1200RPM.404T.ODP.230/460V.3PH.60HZ.CONT.40C.1.15SF.RIGID.....GEN PURPOSE..

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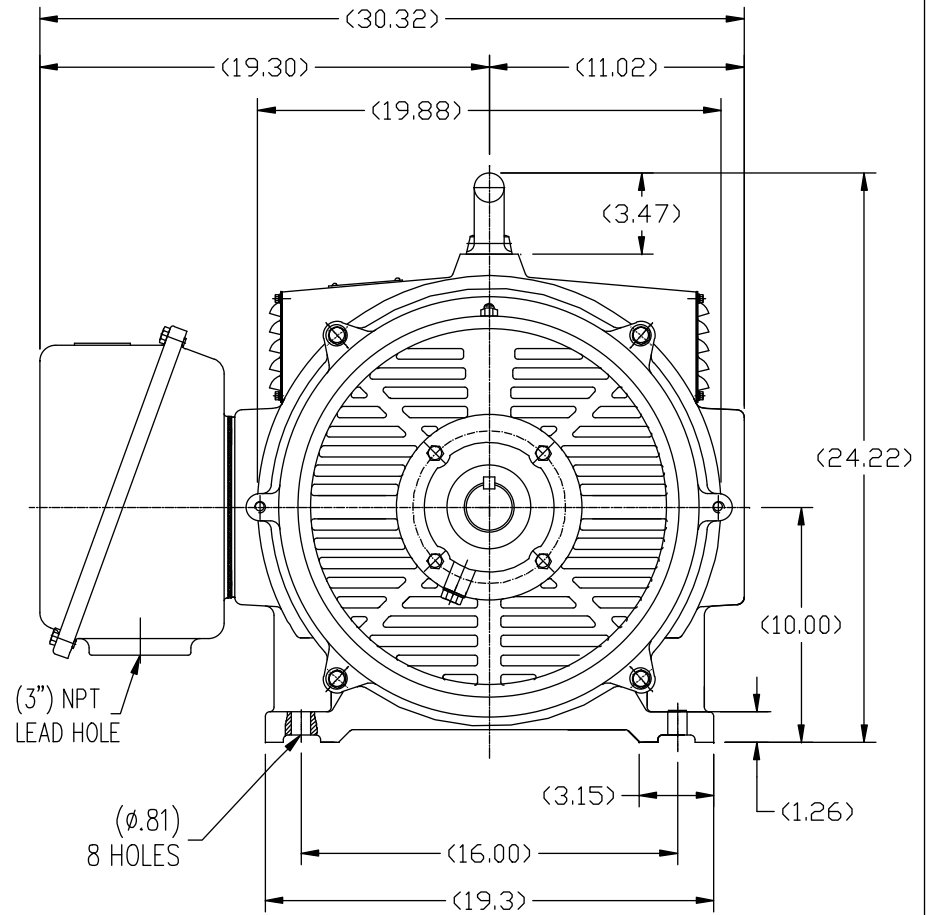
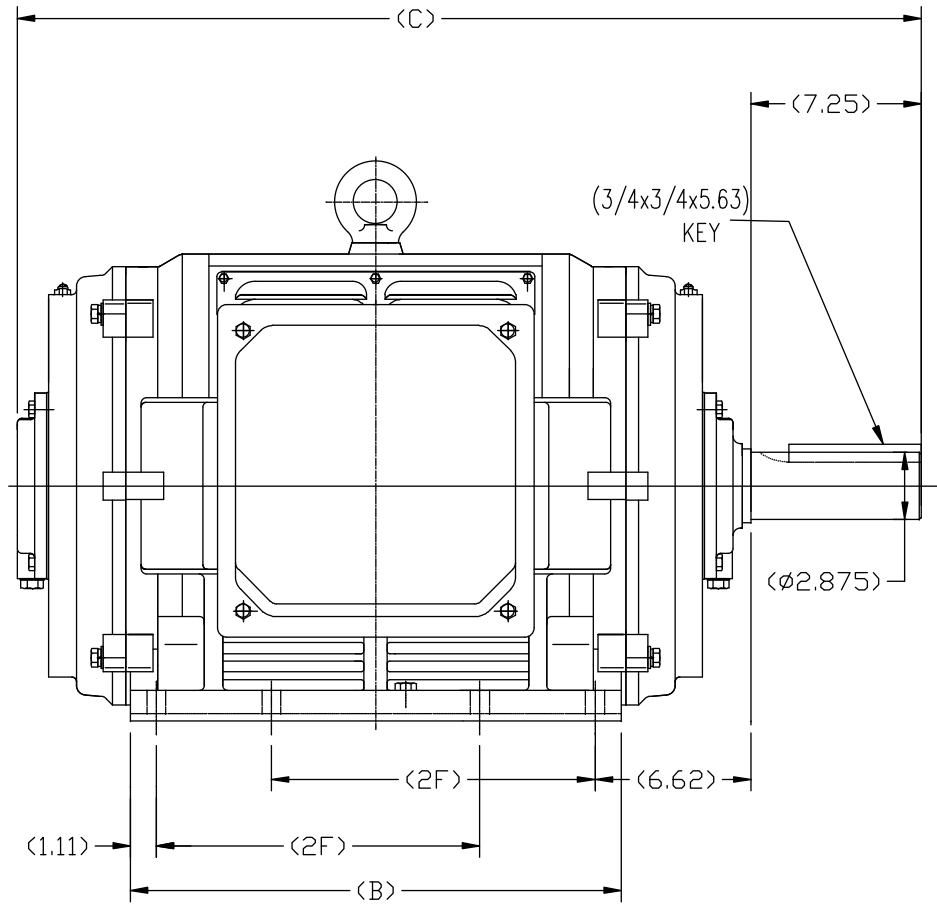
Nameplate Specifications

Phase	3	Output HP	60 & 50 Hp
Output KW	45.0 & 37.0 kW	Voltage	230/460 & 190/380 V
Speed	1190 & 990 rpm	Service Factor	1.15 & 1.15
Frame	404T	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	94.5 & 94.1 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	144/72 & 144/72 A	Power Factor	82.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6316	Opp Drive End Bearing Size	6315
UL	Recognized	CSA	Y
CE	Y	IP Code	12
Number of Speeds	1		

Technical Specifications

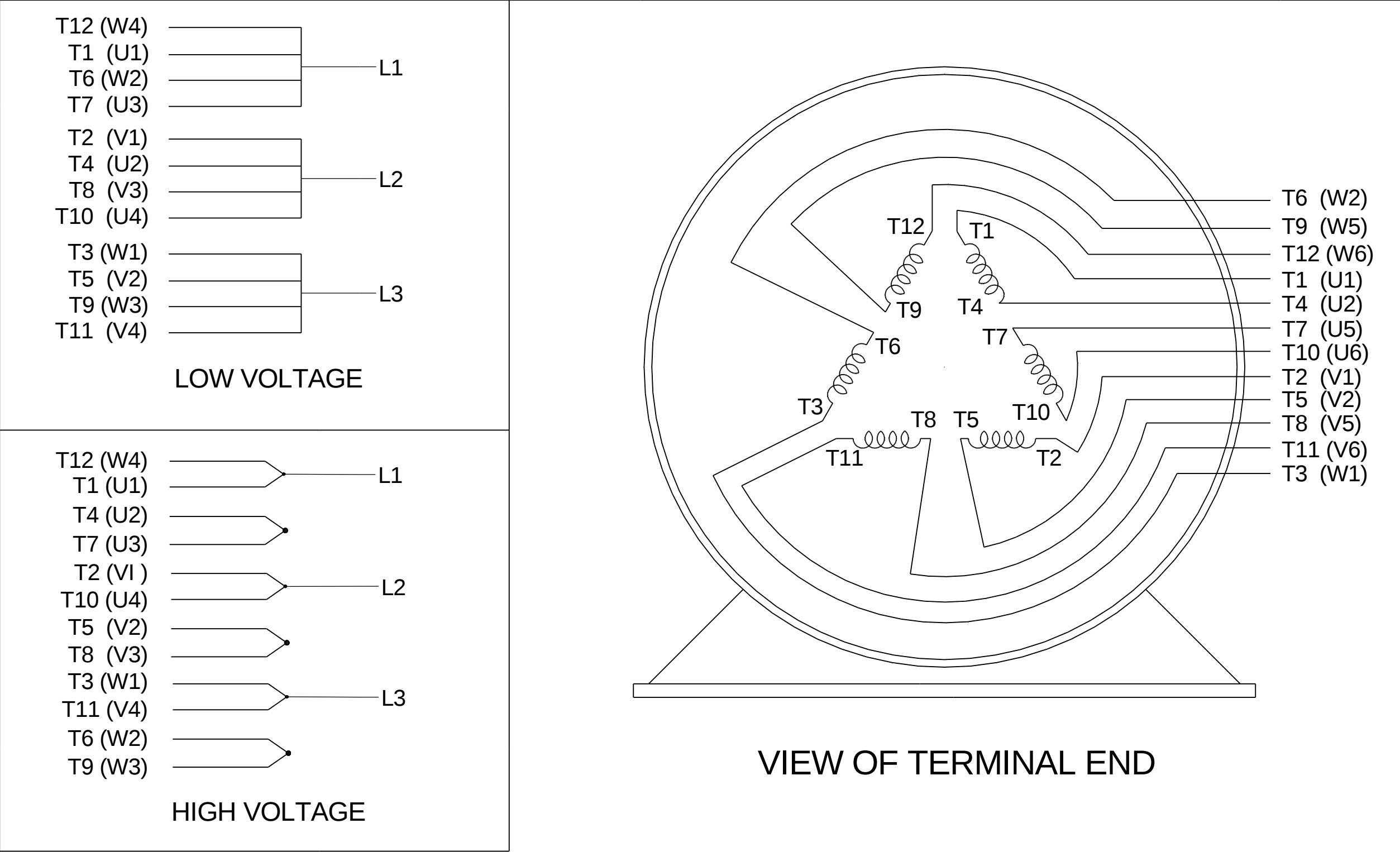
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Wye Start Delta Run Or Inverter
Poles	6	Rotation	Reversible
Resistance Main	.102 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	VARIABLE 10:1		
Outline Drawing	SS620253-404T	Connection Drawing	EE7308AA-LE

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404T	37.20	19.29	12.25
405T	38.78	20.87	13.75
FRAME	C	B	2F

TOLERANCES UNLESS SPECIFIED				REGAL REGAL-BELOIT CORPORATION		DRAWN HZJ 03-04-2010	
DEC.	INCHES					CHK	ZYH 03-04-2010
.X	±.1			TITLE OUTLINE 404/405T FR-ODP-CAST IRON		APPD	CL 03-04-2010
.XX	±.03					SCALE	1=75
.XXX	±.005					REF	
.XXXX	±.0005			MAT'L.		FMF	HWADA
NO.	REVISION	BY & DATE	CHK	ANG	±1/21	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	SS620253	SIZE
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							SS620253
							REV.



DRAWING REVISION C		REVISION BY D.FROEHLICH	DATE 02-09-2015	TOLERANCES UNLESS OTHERWISE SPECIFIED: DEC. INCH mm ANGLE .X ±0.1 [±2.5] ±7° 30" .XX ±0.02 [±0.51] .XXX ±0.005 [±0.127] .XXXX ±0.0005 [±0.0127] REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381] CORNER FILLETS: .02 [0.51] MACHINED SURFACES: 200 INCH ✓ mm ✓ mm SHOWN IN [BRACKETS]	DRAWN BY HV	REGAL Regal Beloit America, Inc.		
ECO ECO-0070906		APPROVED BY MG	DATE 02-09-2015		DATE 06-08-20152	DESCRIPTION CONN DIAGRAM-EXTERNAL		
ECO DESCRIPTION UPDATED IEC CONNECTIONS					APPROVED BY DR	3 PHASE - 2/1 DELTA - 12 LEADS		
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					REFERENCE	SIZE A		DRAWING NUMBER EE7308AA-LE
				THIRD ANGLE PROJECTION				



CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: EE7308AA-LE

CATALOG #: 199718.00

OUTLINE: SS620253

MOUNTING: F1/F2 CAPABLE

WINDING #: CHT40460002 1

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
60&50	45.0&37.0	1200	1190&990	404T	DP	G	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	144/72&144/72	Y START D RUN OR INV	CONTINUOUS	F1	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		ELEC. TYPE
FULL LOAD PF:	82.5&83	3/4 LOAD PF:	79	1/2 LOAD PF:	69.5	94.1		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	525 LB-FT 198 %	700 LB-FT 250 %	35

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
75 dBA	85 dBA	42 LB-FT^2	850 LB-FT^2	20 SEC.	2	1150 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	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	T	NONE	NONE	AISI 1045 (C-240)	CAST IRON
6316	6315						

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

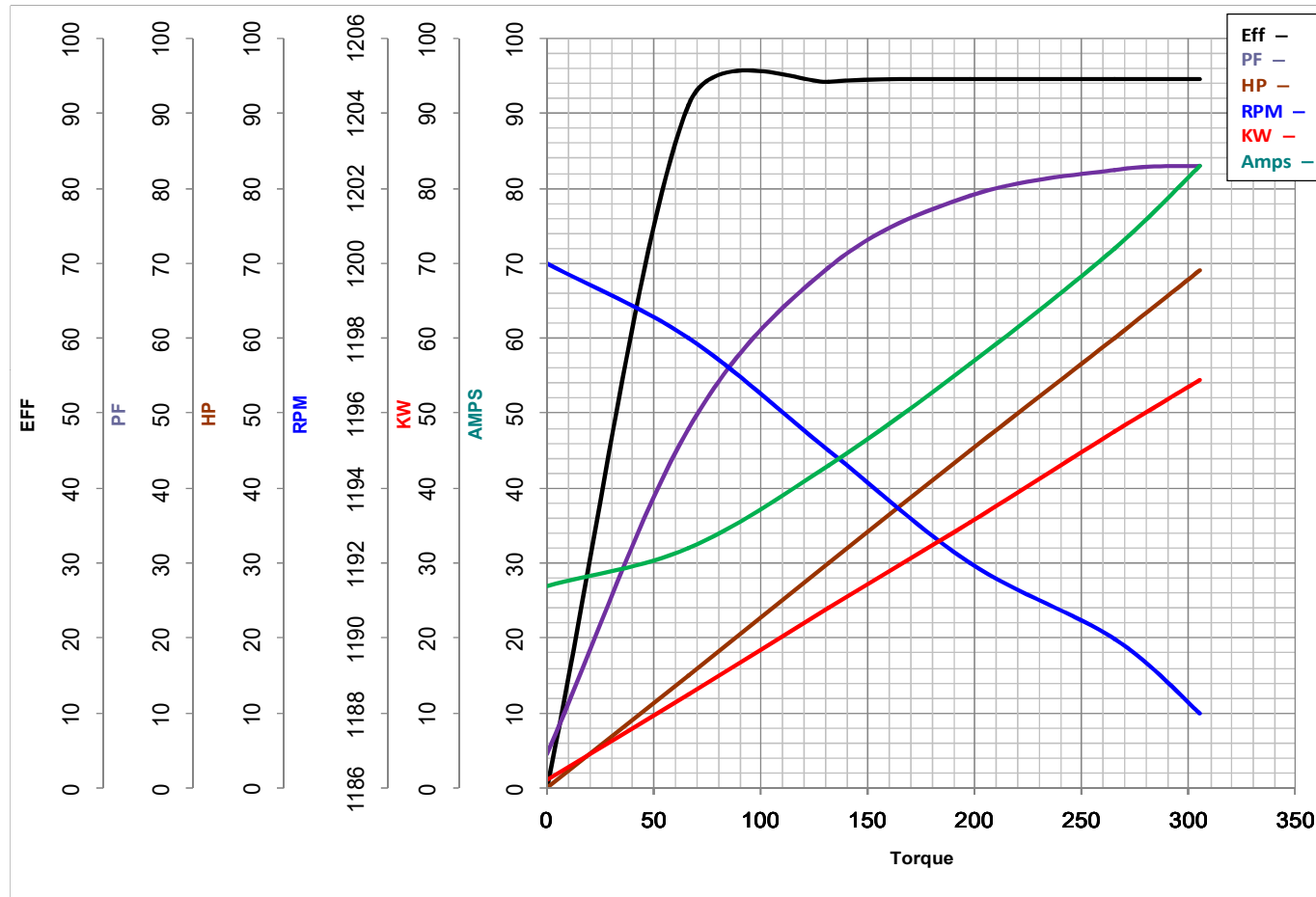
NONE NONE

NONE FT-LB NONE V NONE Hz

Model No 199718.00Catalog No 199718.00

LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Curve at 460
60
60Volts
HZ
HPHP 60&50PHASE 3VOLTS 230/460&190/380HZ 60&50RPM 1190&990

Torque in Lb.Ft

FL TORQUE 265 Lb.Ft
 BD TORQUE 700.0 Lb.Ft
 LR TORQUE 525 Lb.Ft

FL AMPS 144/72
 PU TORQUE 450.0 Lb.Ft
 LR AMPS 435

WINDING CHT40460002-1

Date 11/13/2018