

PRODUCT INFORMATION PACKET



Model No: 199039.00

Catalog No: 199039.00

Obsolete Replaced by B199039.00..100HP..3600RPM.405TS.TEFC.230/460V.3PH.60HZ.CONT.40C.1.15SF.RIGID.
.....GENERAL PURPOSE.....



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Nameplate Specifications

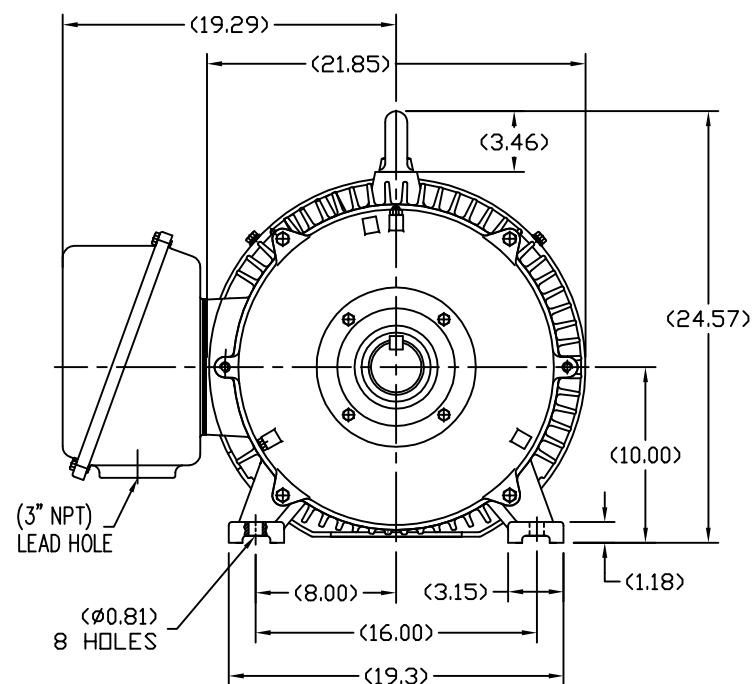
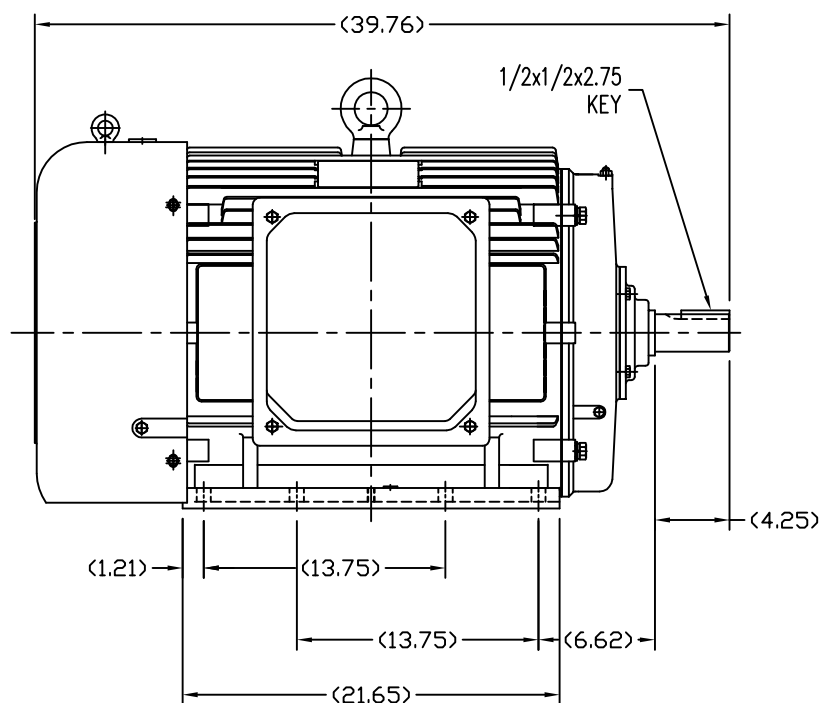
Phase	3	Output HP	100 & 75 Hp
Output KW	75.0 & 56.0 kW	Voltage	230/460 & 190/380 V
Speed	3575 & 2975 rpm	Service Factor	1.15 & 1.15
Frame	405TS	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	94.5 & 94.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	216/108 & 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

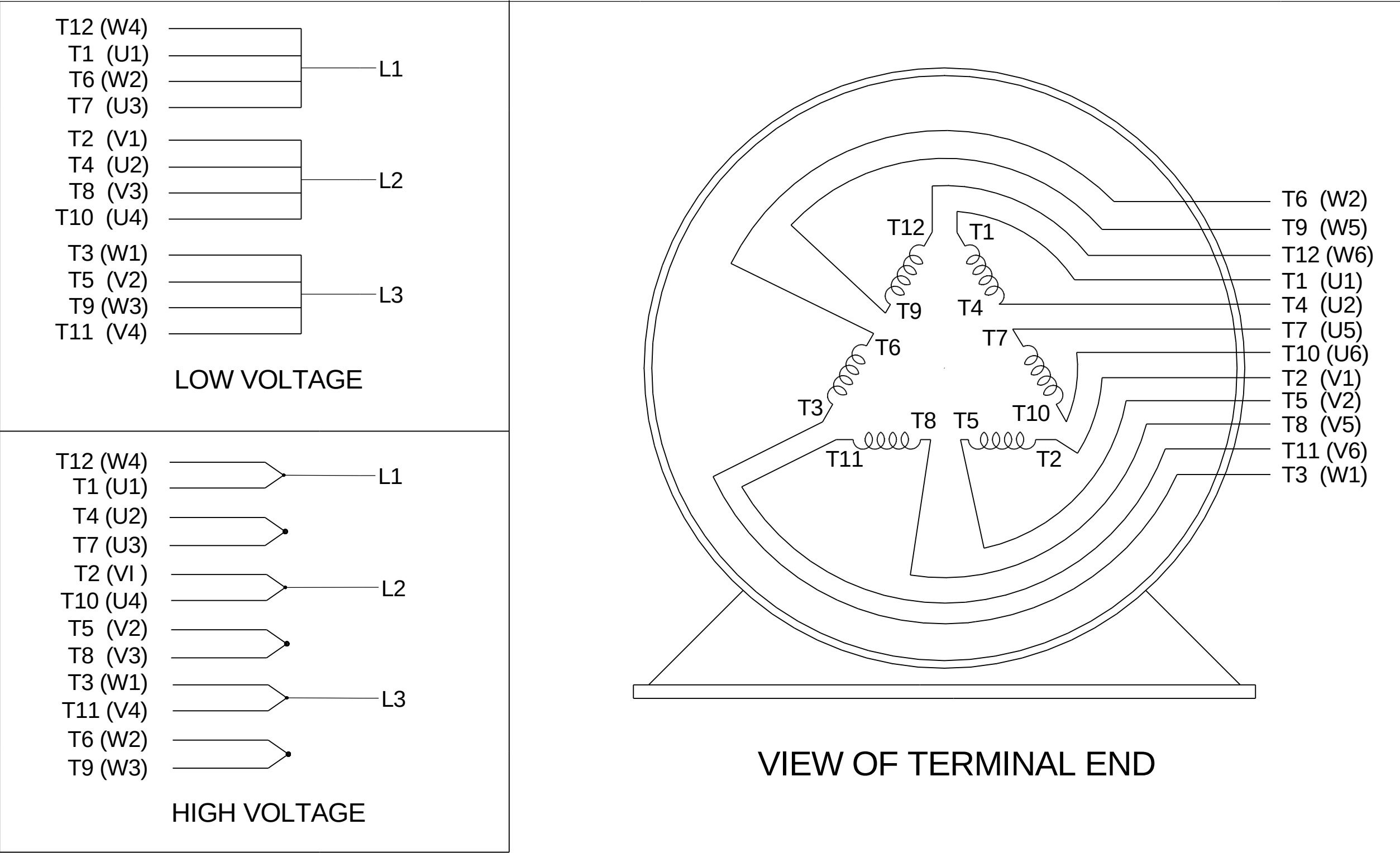
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Part Wdg Start Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	.045 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	TS	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	CONSTANT 10:1		
Outline Drawing	B-SS620282	Connection Drawing	A-EE7308AA-LE

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SS620282



TOLERANCES UNLESS SPECIFIED				REGAL-BELOIT CORPORATION		DRAWN HZJ 03-05-2010	
DEC.	INCHES			CHK ZYH 03-05-2010			
.X	±.1			APPD CL 03-05-2010			
.XX	±.03			SCALE 1=7			
.XXX	±.005			REF			
.XXXX	±.0005			FNF HWADA			
NO.	REVISION	BY & DATE	CHK	ANG	±1/2	FINISH	PREV
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				DIST			DRAWING NO. SS620282
							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			
ECO DESCRIPTION UPDATED IEC CONNECTIONS					APPROVED BY DR	DESCRIPTION CONN DIAGRAM-EXTERNAL 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: A-EE7308AA-LE

CATALOG #: 199039.00

OUTLINE: B-SS620282

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	405TS	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	1.15/1.15	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
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	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

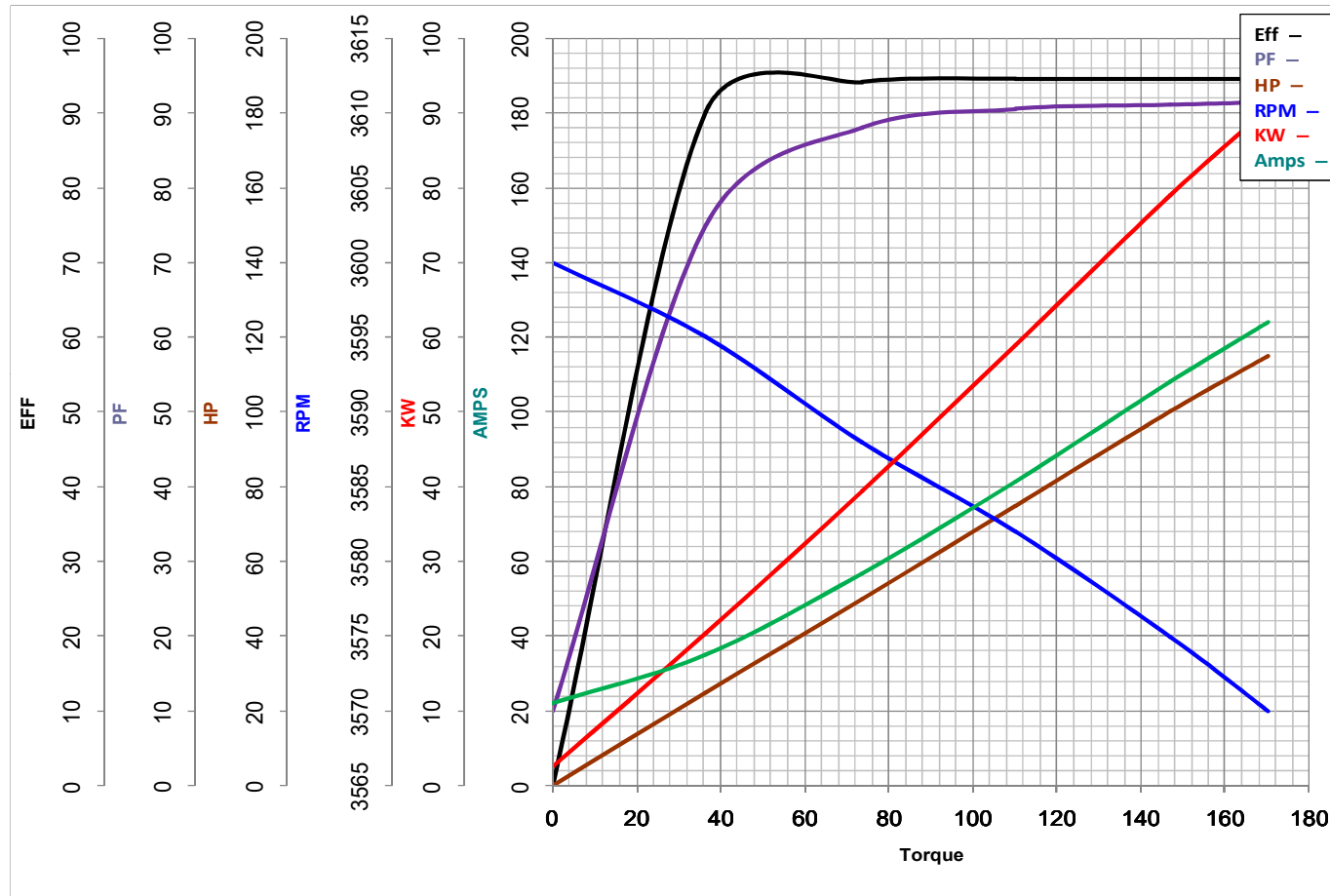
NONE FT-LB NONE V NONE Hz

Model No 199039.00Catalog No 199039.00

LEESON ELECTRIC CORPORATION TYPICAL PERFORMANCE CURVE for AC MOTOR

Curve at 460 Volts HP 100&75 PHASE 3
60 HZ
100 HP VOLTS 230/460&190/380

HZ 60&50 RPM 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 11/13/2018