

PRODUCT INFORMATION PACKET



Model No: 199781.00

Catalog No: 199781.00

Obsolete Replaced by B199781.00..10HP..3600RPM.215JM.TEFC.230/460V.3PH.60HZ.CONT.40C..RIGID C FACE.
.....JM PUMP.....

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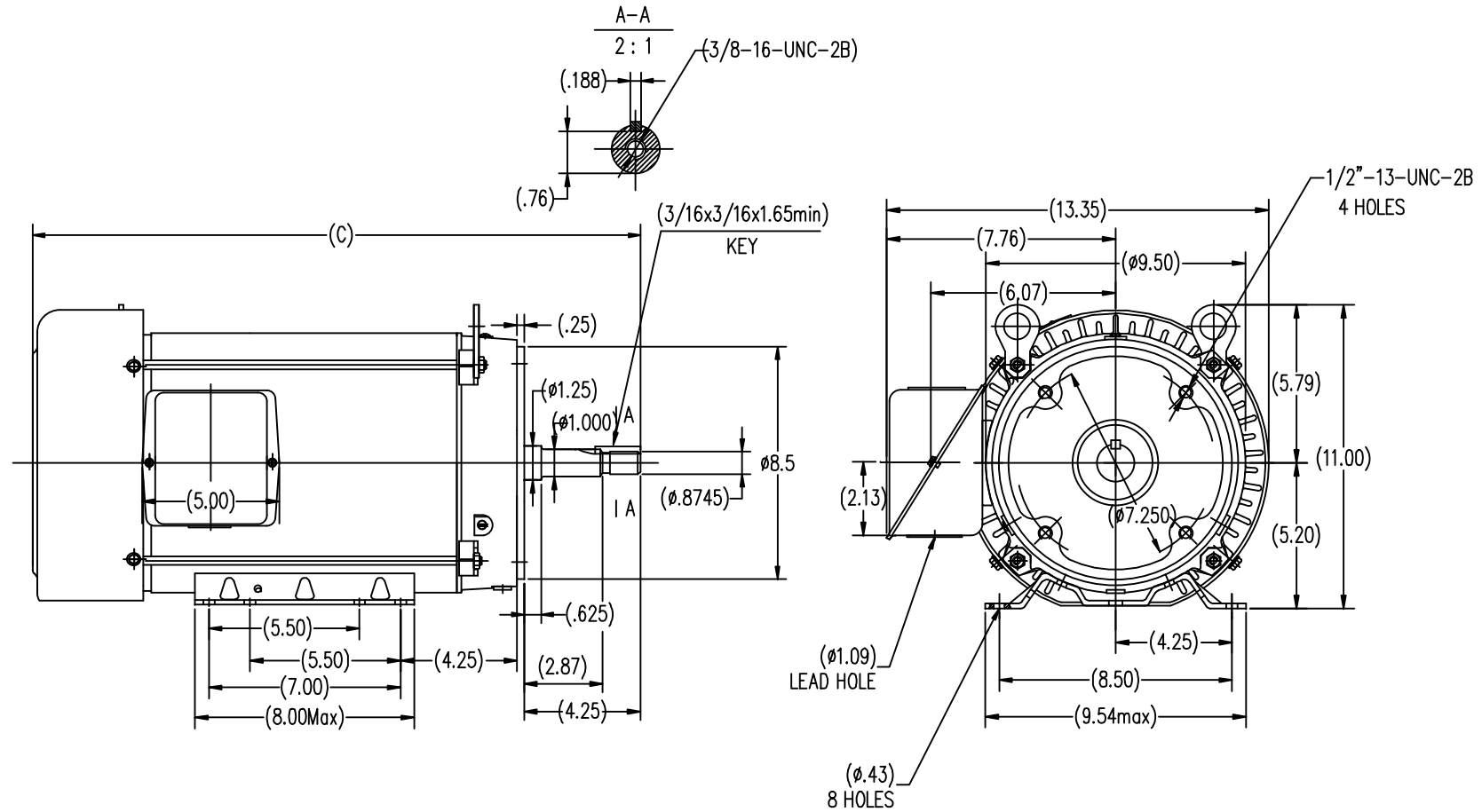
Nameplate Specifications

Phase	3	Output HP	10 & 7.50 Hp
Output KW	7.5 & 5.6 kW	Voltage	230/460 & 190/380 V
Speed	3505 & 2915 rpm	Service Factor	1.15 & 1.15
Frame	215JM	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	90.2 & 91 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	22.8/11.4 & 21/10.5 A	Power Factor	90
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6206
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		


Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.685 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	JM	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	VARIABLE 10:1		
Outline Drawing	SS620561	Connection Drawing	EE7308-LE

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213TC	20.65
215TC	22.14
FRAME	C

		TOLERANCES UNLESS SPECIFIED		 REGAL-BELOIT CORPORATION	DRAWN Lee 05-16-2012	
		DEC.	INCHES		CHK	HPH 05-16-2012
		.X	±.1		APPD	JGX 05-16-2012
		.XX	±.03		SCALE	1=4
		.XXX	±.005		REF	
		.XXXX	±.0005	MAT'L	FMF	HWADA
NO.	REVISION	BY & DATE	CHK	ANG	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	SS620561	SIZE
			DIST			B
						DRAWING NO.
						SS620561
						REV.

THREE PHASE
DUAL VOLTAGE MOTOR

HIGH VOLTAGE



LOW VOLTAGE




T1 (U1)
T4 (U2)
T9 (W3)
T7 (U3)
T8 (V3)
T6 (W2)
T5 (V2)
T2 (V1)
T3 (W1)

VIEW OF TERMINAL END

REF.
WINDING DIAGRAM

T8Y, T2Y, T2BL, T4BX, T2EC, T2G
T6BZ, T2B, T6BL, T4AV, T6B, T4B

				TOLERANCES UNLESS SPECIFIED			ELECTRIC MOTORS GEARMOTORS AND DRIVES			DRAWN HLB 04-29-2002					
				DEC.	INCHES					CHK	ML	05-03-2002			
				.X	±.1					TITLE CONNECTION DIAGRAM 3Ø – DUAL VOLTAGE MOTOR			APPD	GK	05-03-2002
				.XX	±.01								SCALE	1=1	
2	ADDED IEC NOTATIONS... (U1), (V1) ETC. (MU105786)	REP 01-11-2012	DR	.XXX	±.005	MAT'L.			REF						
1	NEW DRAWING	HLB 05-03-2002	ML	.XXXX	±.0005				FMF						
NO.	REVISION	BY & DATE	CHK	ANG	±1/2'	FINISH			PREV						
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			DIST LB-WP					A	EE7308-LE			2			



CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: EE7308-LE

CATALOG #: 199781.00

OUTLINE: SS620561

MOUNTING: F1/F2 CAPABLE

WINDING #: CHT21520005 1

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
10&7 1/2	7.50&5.60	3600	3505&2915	215JM	TEFC	G	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	22.8/11.4&21/10.5	LINE OR INVERTER	CONTINUOUS	F3	1.15/1.15	40

FULL LOAD EFF:	90.2&91	3/4 LOAD EFF:	92.4	1/2 LOAD EFF:	92.4	GTD. EFF		ELEC. TYPE
FULL LOAD PF:	90&89	3/4 LOAD PF:	86	1/2 LOAD PF:	79	88.5		SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
15 LB-FT	160 / 80	31 LB-FT 207 %	50 LB-FT 290 %	50

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
72 dBA	82 dBA	0.4 LB-FT^2	18 LB-FT^2	15 SEC.	2	190 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 - LEESON (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	JM	NONE	NONE	1045 HOT ROLLED (C-204)	ROLLED STEEL
6309	6206						

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

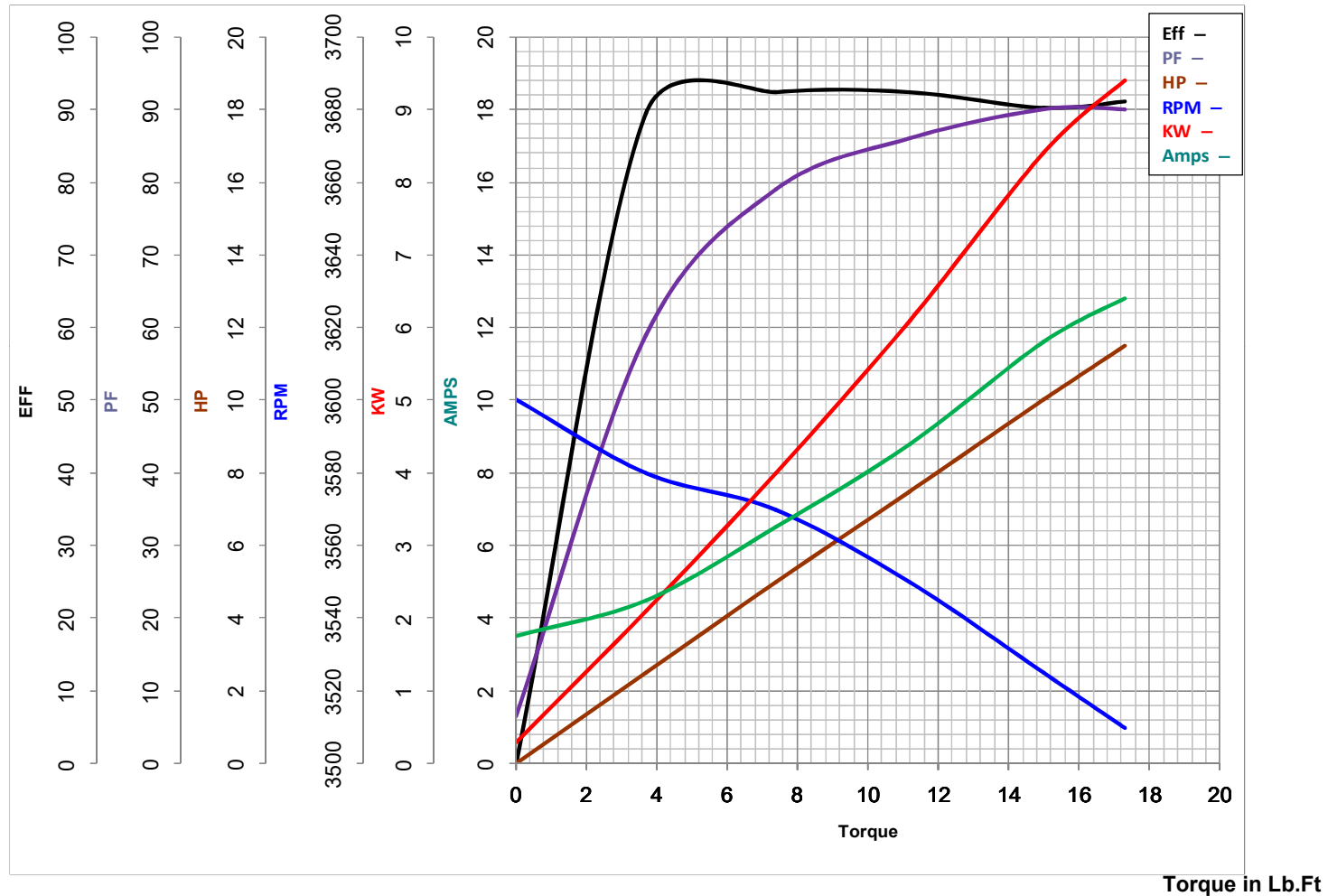
NONE FT-LB NONE V NONE Hz

Model No 199781.00Catalog No 199781.00

LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Curve at 460 Volts HP 10&7.5 PHASE 3
60 HZ
10 HP

VOLTS 230/460&190/380HZ 60&50RPM 3505&2915

FL TORQUE 15 Lb.Ft
 BD TORQUE 50.0 Lb.Ft
 LR TORQUE 31 Lb.Ft

FL AMPS 22.8/11.4
 PU TORQUE 25.0 Lb.Ft
 LR AMPS 80

WINDING CHT21520005-1

Date 10/29/2018