

PRODUCT INFORMATION PACKET



Model No: 140646.00
Catalog No: 140646.00
7.50 HP Close-Coupled Pump Motor, 1 phase, 3600 RPM, 230 V, 213JP Frame, ODP
Close-Coupled Pump Motors



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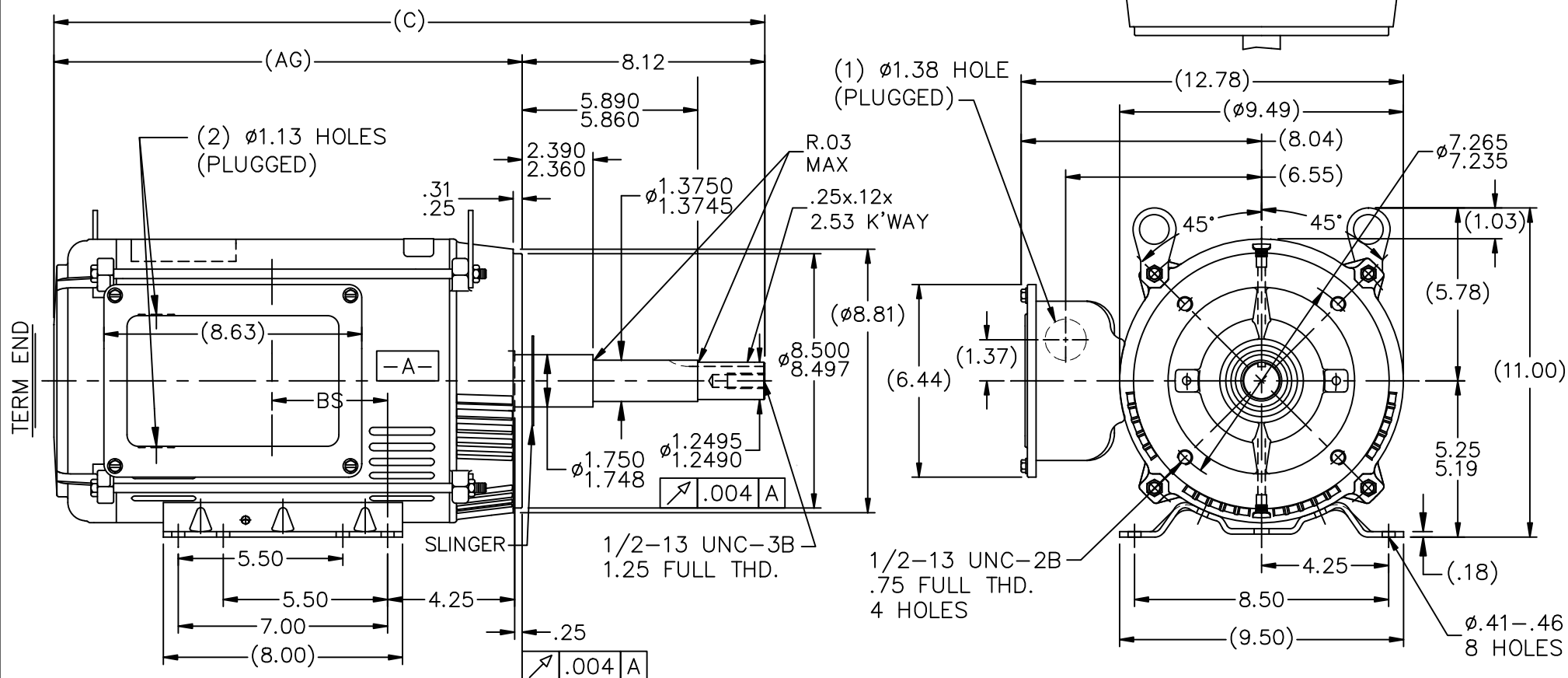
Nameplate Specifications

Output HP	7.50 Hp	Output KW	5.6 kW
Frequency	60 Hz	Voltage	230 V
Current	36.5 A	Speed	3499 rpm
Service Factor	1.15	Phase	1
Efficiency	78.5 %	Power Factor	82.5
Duty	Continuous	Insulation Class	F
Design Code	L	KVA Code	F
Frame	213JP	Enclosure	Drip Proof
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	309	Opp Drive End Bearing Size	206
UL	Recognized	CSA	Y
IP Code	22	Number of Speeds	1

Technical Specifications

Electrical Type	Capacitor Start Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Selective Counterclockwise
Resistance Main	0 Ohms	Mounting	Rigid Base
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	JP
Overall Length	22.29 in	Frame Length	9.65 in
Shaft Diameter	1.250 in	Shaft Extension	8.15 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	037644LE-965	Connection Drawing	A-EE7090JR-LE

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DASH	FR.	C	AG	BS
965	213JP	22.29	14.17	2.45
1115	213/15JP	23.79	15.67	3.95
1240	213/15JP	25.04	16.92	5.20

NOTES:

1. NAMEPLATE TO BE READ FROM C'BOX SIDE OF MOTOR.

				TOLERANCES UNLESS SPECIFIED			ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN		GRB 14/11/08					
				DEC.	INCHES				CHK		SK 14/11/08					
				.X	±.1				APPD							
				.XX	±.03				SCALE 1=5							
				.XXX	±.005	TITLE OUTLINE – 210JP FR. DP – 'C' FACE				REF		SS86684				
				.XXXX	±.0005	MAT'L.				FMF						
NO.	REVISION			BY & DATE	CHK	ANG	±7'30"				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 037644LE			SIZE	DRAWING NO. PAGE OF			REV.	
					DIST LB						A	037644LE				

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CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: A-EE7090JR-LE

CATALOG #: 140646.00

OUTLINE: 037644LE-965

MOUNTING: F1 ONLY

WINDING #: CK10249 2

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
7 1/2	5.60	3600	3499	213JP	DP	F	L

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	230	36.5	ACROSS THE LINE	CONTINUOUS	F4	1.15	40

FULL LOAD EFF:	78.5	3/4 LOAD EFF:	78.1	1/2 LOAD EFF:	77.1	GTD. EFF		ELEC. TYPE
FULL LOAD PF:	82.5	3/4 LOAD PF:	77.6	1/2 LOAD PF:	68.1	75.5		CAP START IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
11.3 LB-FT	173	15.6 LB-FT 138 %	23.2 LB-FT 205 %	55

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0 LB-FT^2	0 LB-FT^2	10 SEC.	0	121 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	JP	NONE	NONE	AISI 1045 (C-240)	ROLLED STEEL
309	206						

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: NONE
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

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LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Curve at

230

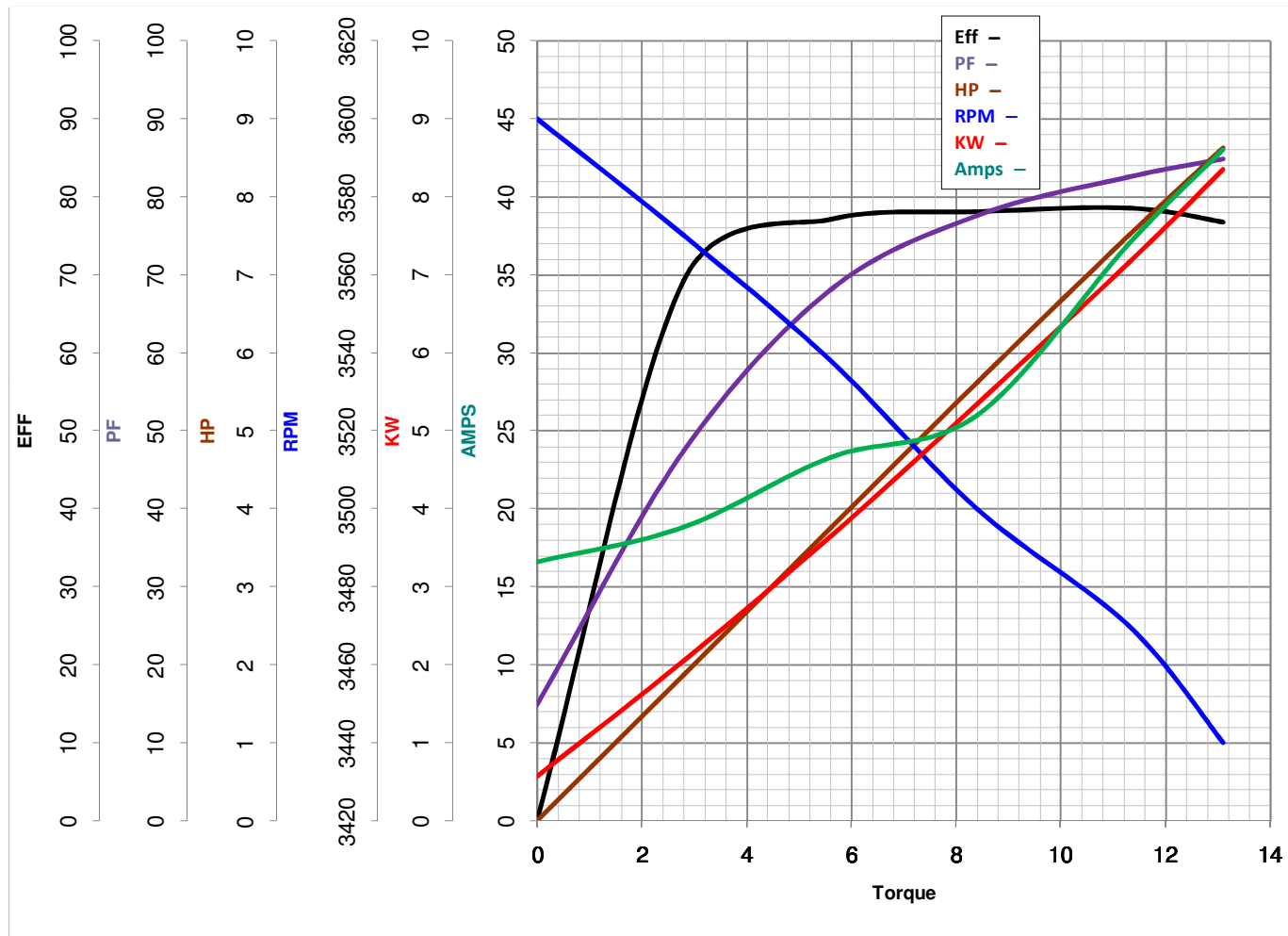
Volts

HP 7.50PHASE 160

HZ

7.5

HP

VOLTS 230HZ 60RPM 3499

Torque in Lb.Ft

FL TORQUE 11.3 Lb.FtBD TORQUE 23.2 Lb.FtLR TORQUE 15.6 Lb.Ft

WINDING CK10249-2

FL AMPS 36.5PU TORQUE 14.0 Lb.FtLR AMPS 17.3

Date 4/24/2018