

PRODUCT INFORMATION PACKET



Model No: 117865.00
Catalog No: 117865.00
Agricultural Motor, 1 HP, 1 Ph, 60 Hz, 115/230 V, 1800 RPM, 56 Frame, TEFC

Operational at 115/208-230 V @60HZ



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Nameplate Specifications

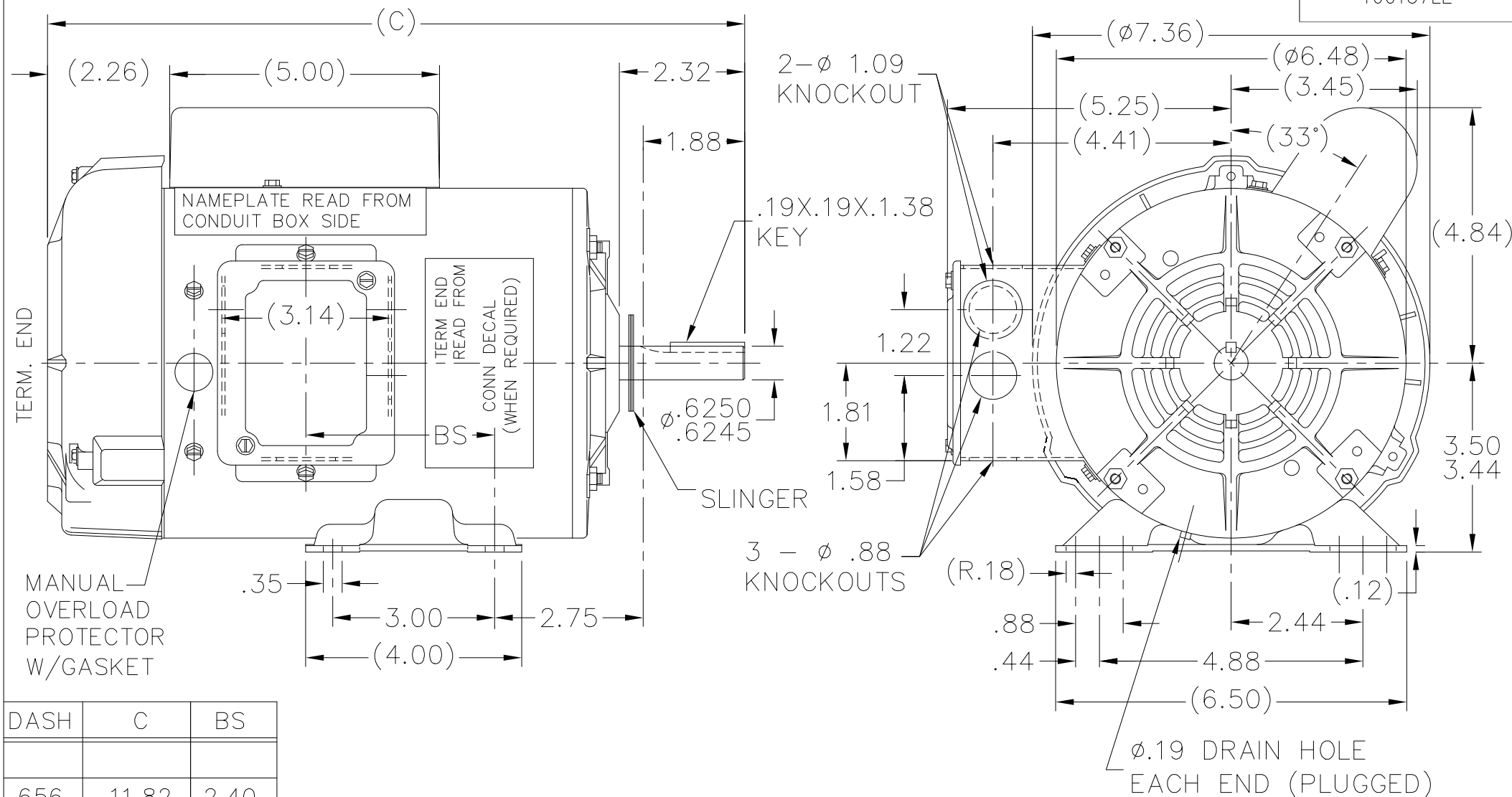
Phase	1	Output HP	1 Hp
Output KW	0.75 kW	Voltage	115/230 V
Speed	1725 rpm	Service Factor	1.15
Frame	56	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Manual	Efficiency	72 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	13.4/6.7 A	Power Factor	69.5
Duty	Continuous	Insulation Class	B
Design Code	L	KVA Code	J
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	N	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Capacitor Start Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Resistance Main	0 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 56	Overall Length	12.82 in
Frame Length	7.56 in	Shaft Diameter	0.625 in
Shaft Extension	1.88 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	A-102005-52-LE	Outline Drawing	A-100137LE-756

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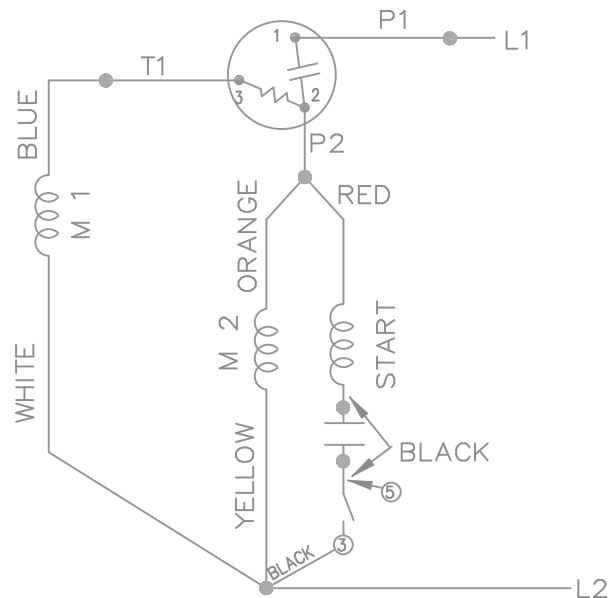
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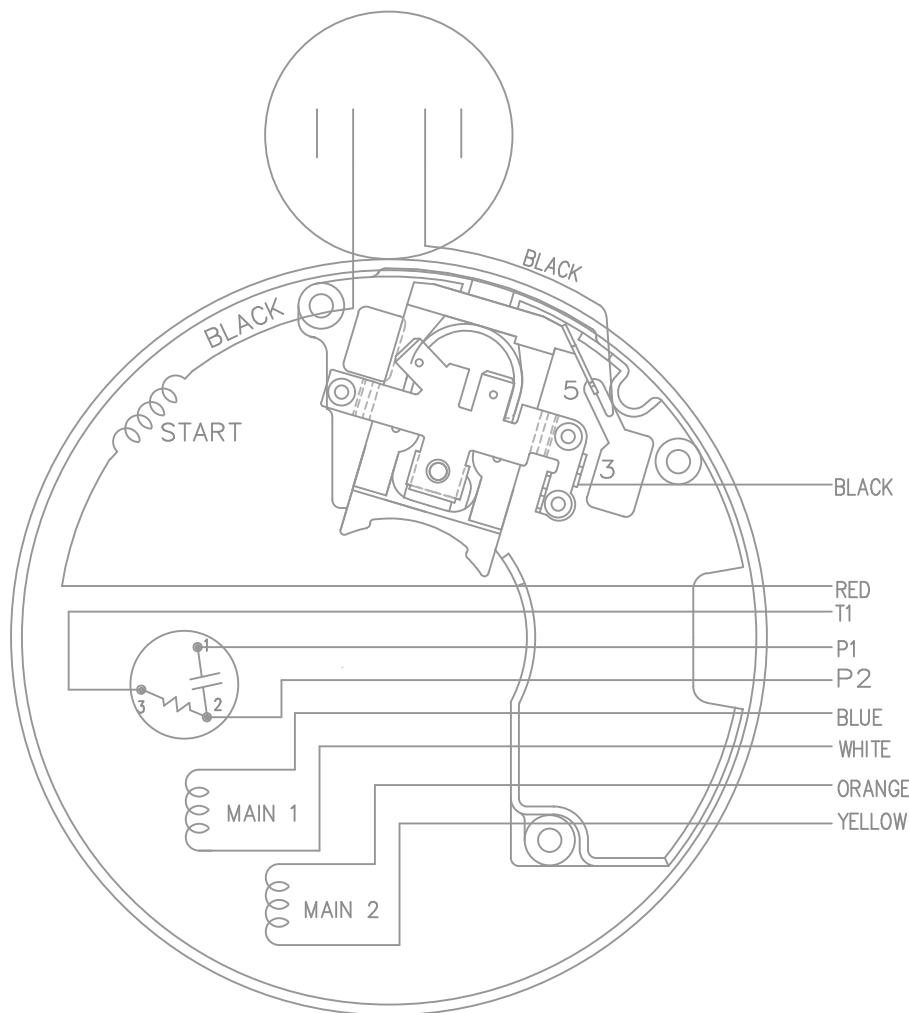
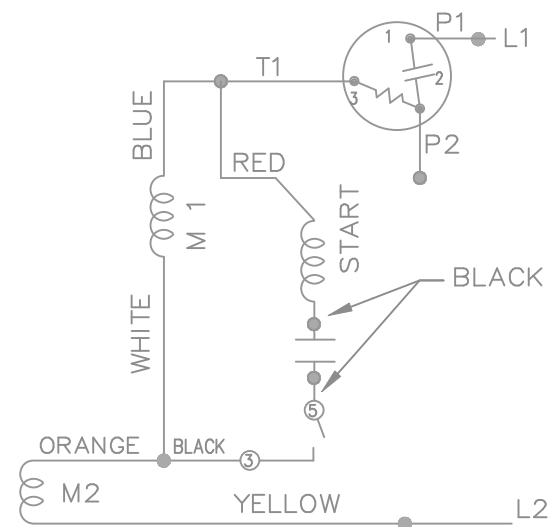
DASH	C	BS
656	11.82	2.40
706	12.32	2.90
756	12.82	3.40

				TOLERANCES UNLESS SPECIFIED		 Regal Beloit America, Inc.	DRAWN SVL 2-18-2013				
				DEC.	INCHES		CHK				
				.X	±.1		APPD				
				.XX	±.03		SCALE 3=8				
				.XXX	±.005	TITLE OUTLINE 56 FRAME – BB – TEFC – 1∅	REF				
B	UPDATED DE ENDFRAME		SG 09/03/21	SN .XXXX	±.0005		MAT'L.	FMF MU112210			
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 2-18-2013		CAD FILE 100137LE		SIZE	DRAWING NO.	PAGE 1 OF 1	REV.
				DIST WP		3 of 6		A	100137LE		B

LOW VOLTAGE - CCW

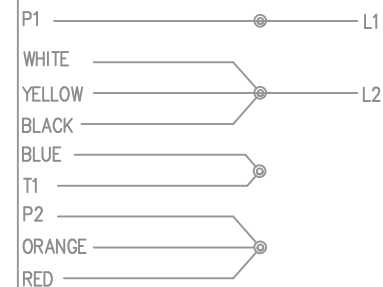


HIGH VOLTAGE - CCW

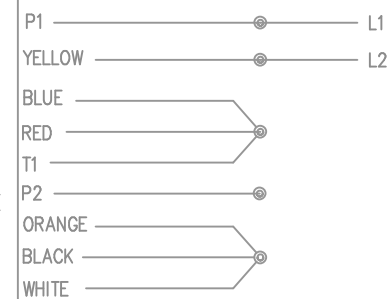


DUAL VOLTAGE
CAPACITOR START
OVERLOAD
SELECT ROTATION

LOW VOLT. CCW ROT.



HIGH VOLT. CCW ROT.



FOR CW ROTATION
EITHER VOLTAGE
INTERCHANGE RED
WITH BLACK

TOLERANCES
UNLESS SPECIFIED

DEC. INCHES

.X ±.1

.XX ±.02

.XXX ±.005

.XXXX ±.0005

ANG ±7'30"



ELECTRIC MOTORS
GEARMOTORS
AND DRIVES

TITLE CONNECTION DIAGRAM

MAT'L.

FINISH

CAD FILE 102005-52-LE

RFP

DIST WP

DRAWN NJS 09-03-2002

CHK ML 09-04-2002

APPD GK 09-09-2002

SCALE 5=8

REF

FMF

PREV

1 NEW DRAWING

MU43222

NJS 09-09-2002

ML

REVISION

BY & DATE

CHK

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CERTIFICATION DATA SHEET

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

CATALOG #: 117865.00

CONN. DIAGRAM: A-102005-52-LE

OUTLINE: A-100137LE-756

MOUNTING: F1 ONLY

WINDING #: ZC407 3

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1	0.75	1800	1725	56	TEFC	J	L

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115/208-230	13.4/6.8-6.7	ACROSS THE LINE	CONTINUOUS	B3	1.15	40

FULL LOAD EFF: 72	3/4 LOAD EFF: 70	1/2 LOAD EFF: 64.3	GTD. EFF	ELEC. TYPE
FULL LOAD PF: 69.5	3/4 LOAD PF: 60.5	1/2 LOAD PF: 49	68	CAP START IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
48.3 OZ-FT	69.4 / 34.7	145 OZ-FT 300 %	122 OZ-FT 253 %	75

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	0 SEC.	0	33 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	GRAY (POWDER)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	T	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
6203	6203						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	MANUAL	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

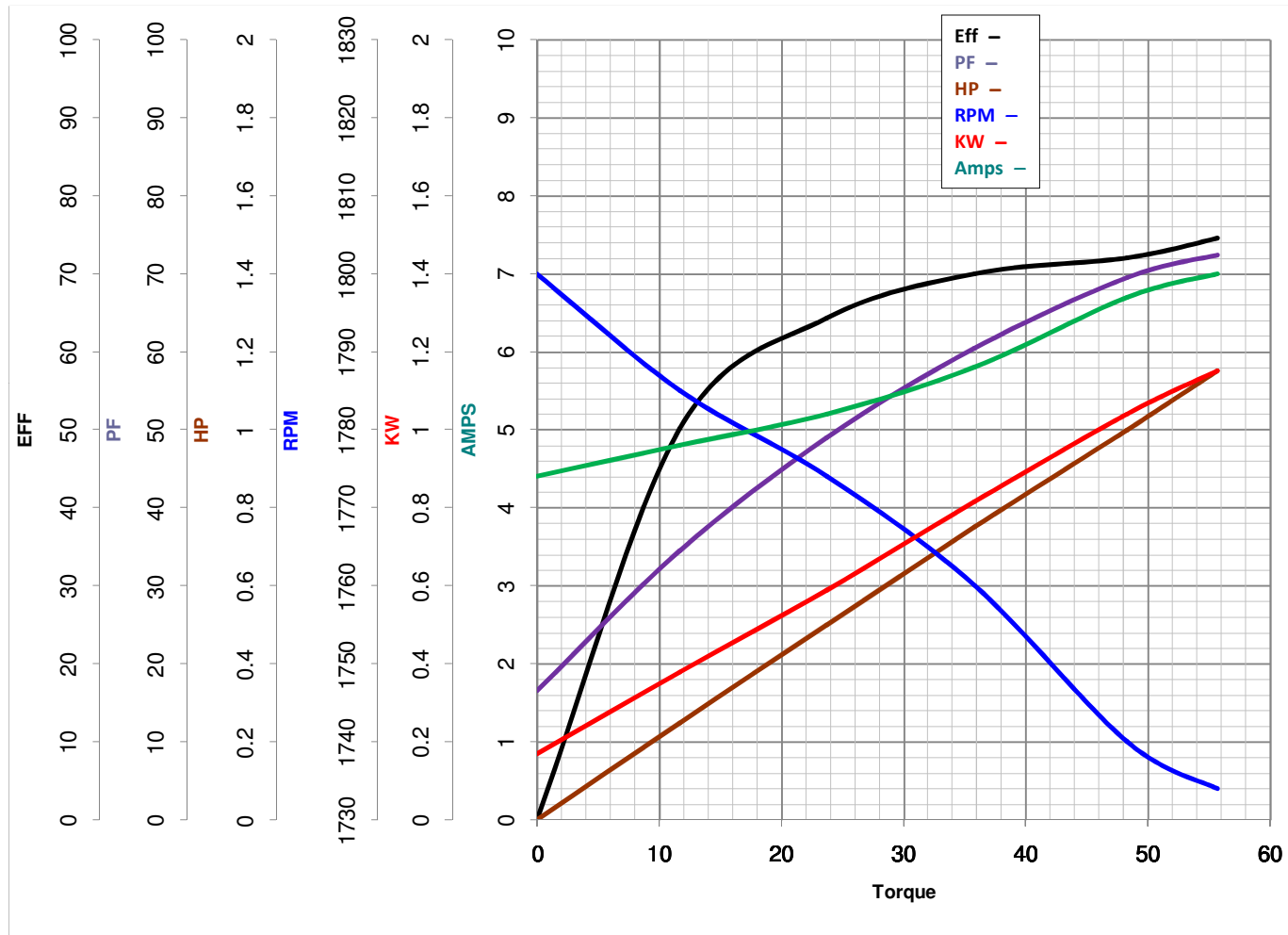
BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
FT-LB NONE V NONE Hz



LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 117865.00Curve at 230
60
1Volts
HZ
HPHP 1.00

VOLTS 115/208-230PHASE 1Catalog No 117865.00HZ 60RPM 1725

Torque in Oz.Ft

FL TORQUE 48.3 Oz.Ft
 BD TORQUE 122.0 Oz.Ft
 LR TORQUE 142.5 Oz.Ft

FL AMPS 13.4/6.8-6.7
 PU TORQUE 101.0 Oz.Ft
 LR AMPS 34.7

WINDING ZC407-3

Date 3/27/2018