

PRODUCT INFORMATION PACKET



Model No: 117864.00
Catalog No: 117864.00
Agricultural Motor, 0.75 HP, 1 Ph, 60 Hz, 115/230 V, 1800 RPM, 56 Frame, TEFC

Operational at 115/208-230 V @60HZ



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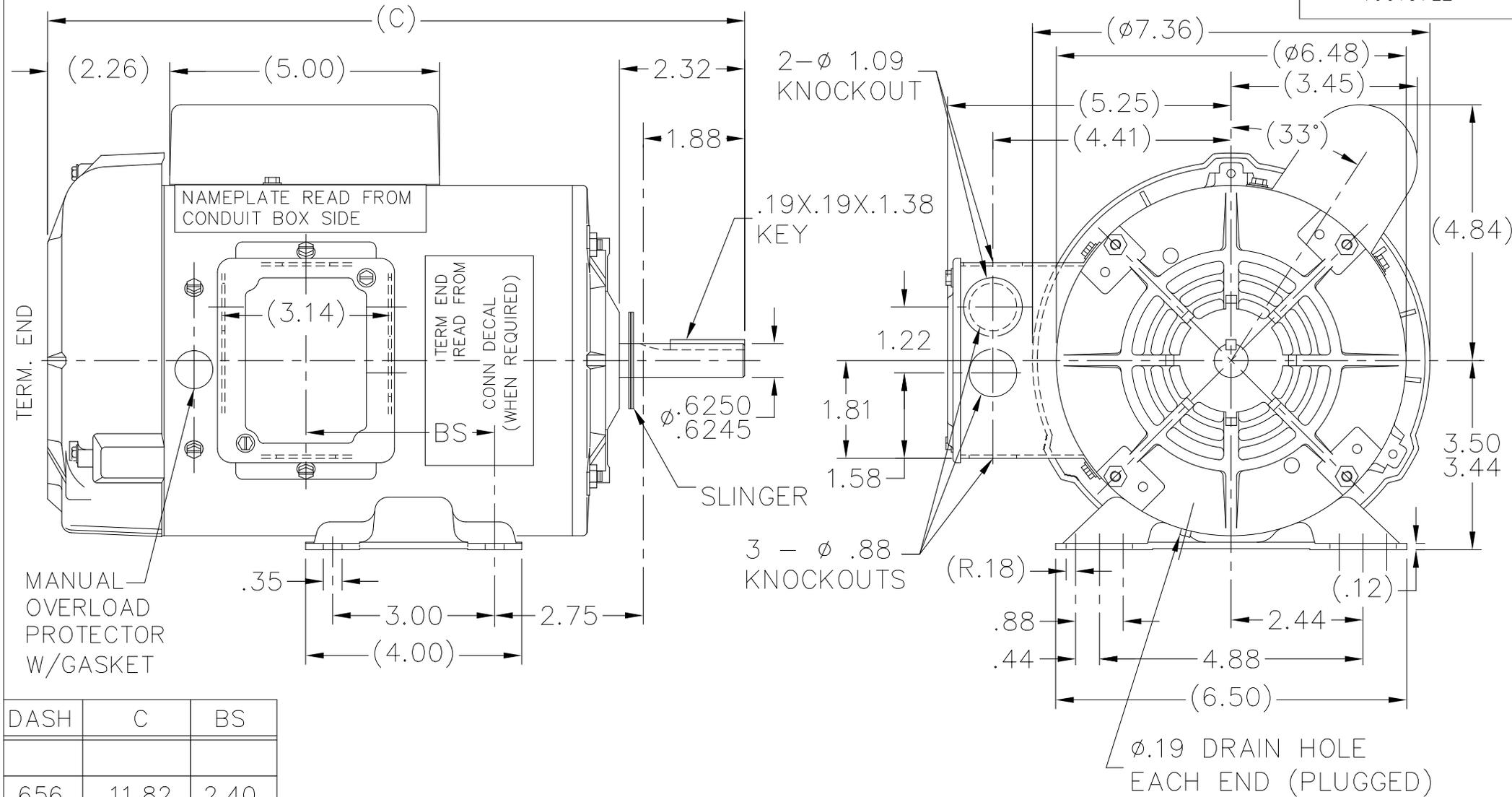


Nameplate Specifications

Phase	1	Output HP	0.75 Hp
Output KW	0.56 kW	Voltage	115/230 V
Speed	1725 rpm	Service Factor	1.15
Frame	56	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Manual	Efficiency	70.5 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	11.0/5.5 A	Power Factor	71
Duty	Continuous	Insulation Class	B
Design Code	L	KVA Code	L
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	12.32 in
Frame Length	7.06 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-706



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

				TOLERANCES UNLESS SPECIFIED		DRAWN SVL 2-18-2013	
				DEC.	INCHES	CHK	
				.X	$\pm .1$	APPD	
				.XX	$\pm .03$	SCALE 3=8	
				.XXX	$\pm .005$	REF	
B	UPDATED DE ENDFRAME	SG 09/03/21	SN .XXXX	$\pm .0005$	MAT'L.		FMF MU112210
NO.	REVISION	BY & DATE	CHK ANG	$\pm 7'30''$	FINISH		PREV



TITLE OUTLINE
56 FRAME - BB - TEFC - 1 ϕ

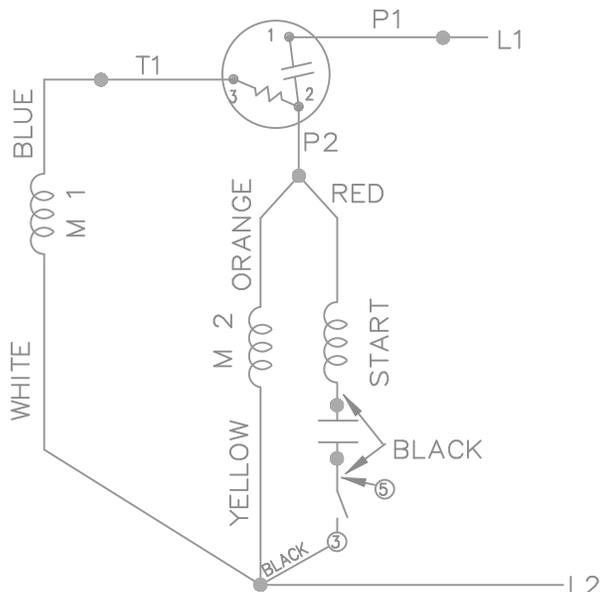
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RFP 2-18-2013
DIST WP

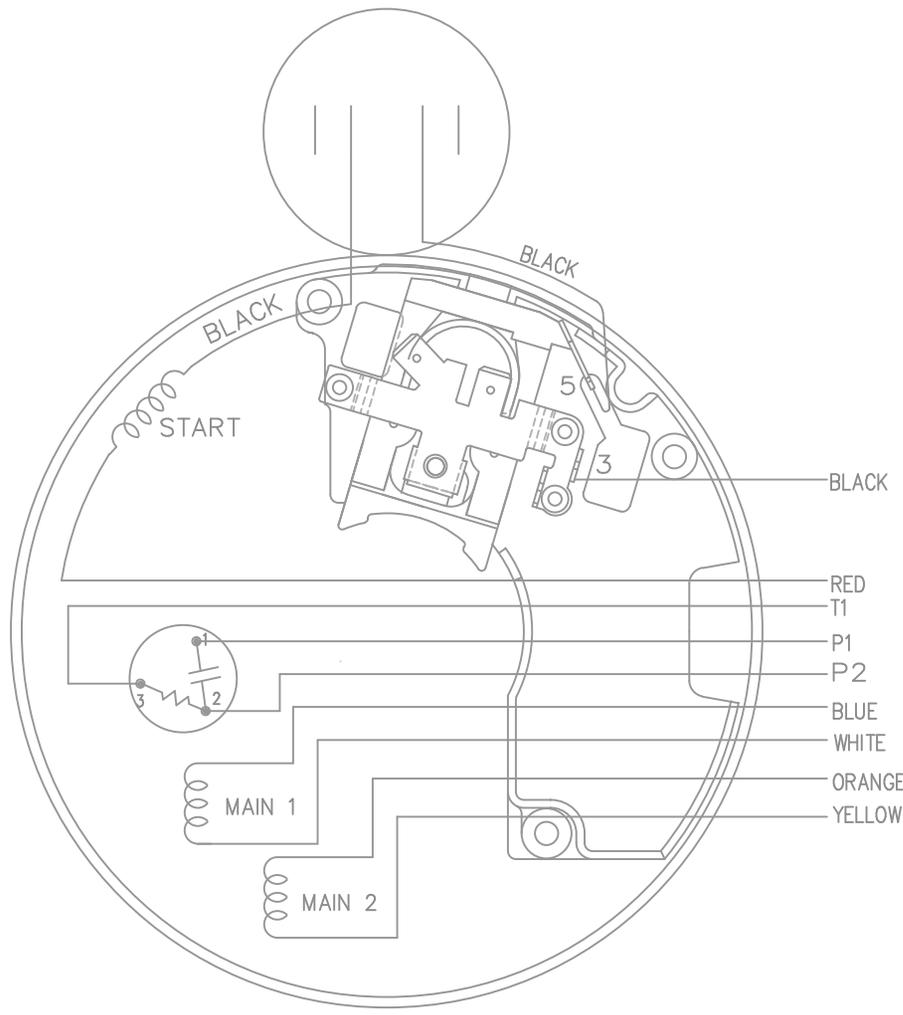
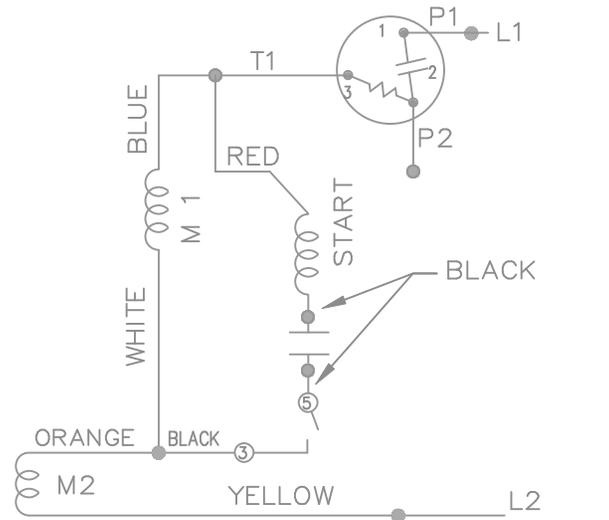
CAD FILE 100137LE

SIZE A DRAWING NO. 100137LE PAGE 1 OF 1 REV. B

LOW VOLTAGE - CCW

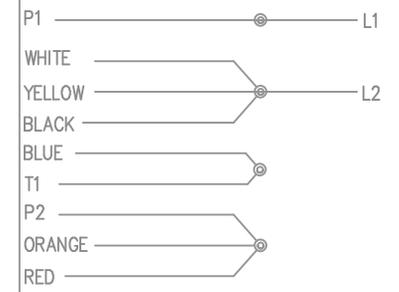


HIGH VOLTAGE - CCW

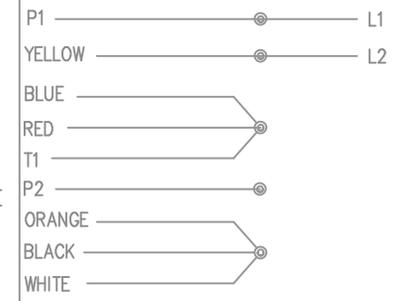


DUAL VOLTAGE
CAPACITOR START
OVERLOAD
SELECT ROTATION

LOW VOLT. CCW ROT.



HIGH VOLT. CCW ROT.



FOR CW ROTATION
EITHER VOLTAGE
INTERCHANGE RED
WITH BLACK

				TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN NJS 09-03-2002					
				DEC.	INCHES			CHK ML 09-04-2002					
				.X	±.1			APPD GK 09-09-2002					
				.XX	±.02			SCALE 5=8					
				.XXX	±.005			REF					
1	NEW DRAWING	MU43222	NJS 09-09-2002	ML	.XXXX	±.0005	MAT'L.	FMF					
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH	PREV						
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				DIST	WP				A	102005-52-LE			1



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

CATALOG #: 117864.00

CONN. DIAGRAM: A-102005-52-LE

OUTLINE: A-100137LE-706

WINDING #: ZC469 3

MOUNTING: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3/4	0.56	1800	1725	56	TEFC	L	L

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115/208-230	11/5.4-5.5	ACROSS THE LINE	CONTINUOUS	B3	1.15	40

FULL LOAD EFF:	70.5	3/4 LOAD EFF:	69.4	1/2 LOAD EFF:	63.2	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	71	3/4 LOAD PF:	56.9	1/2 LOAD PF:	46.1	66		CAP START IND RUN	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
36 OZ-FT	62 / 31	120 OZ-FT 0 %	93 OZ-FT 0 %	60

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

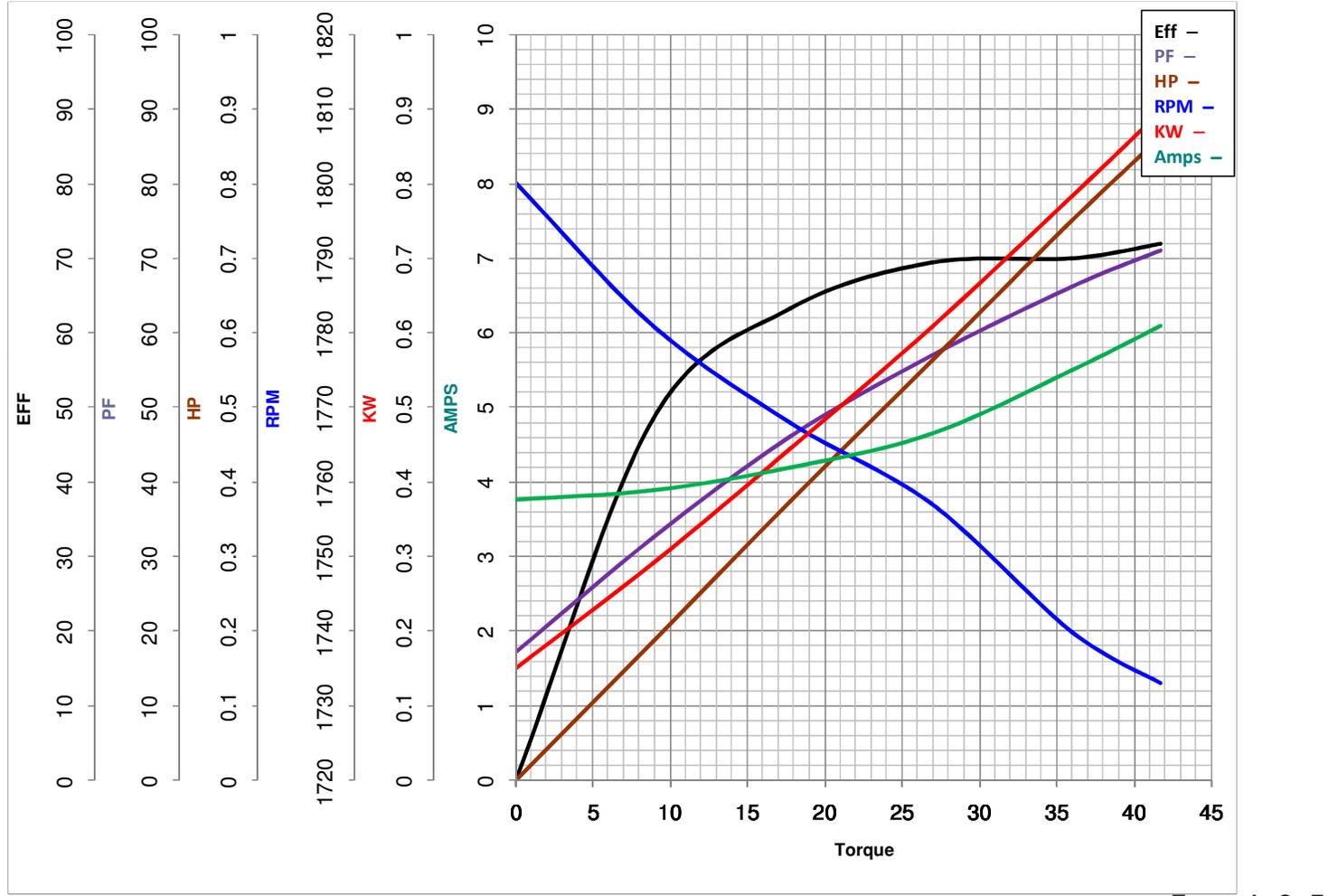
Curve at 230 Volts HP 0.76 PHASE 1
60 HZ
0.75 HP VOLTS 115/208-230

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HZ 60

RPM 1725



FL TORQUE	<u>36</u>	Oz.Ft	FL AMPS	<u>11/5.4-5.5</u>
BD TORQUE	<u>97.9</u>	Oz.Ft	PU TORQUE	<u>72.6</u> Oz.Ft
LR TORQUE	<u>133</u>	Oz.Ft	LR AMPS	<u>30.5</u>
WINDING	ZC469-3		Date	3/15/2018