

PRODUCT INFORMATION PACKET



Model No: 117863.00
Catalog No: 117863.00
Agricultural Motor, 0.50 HP, 1 Ph, 60 Hz, 115/230 V, 1800 RPM, 56 Frame, TEFC

Operational at 115/208-230 V @60HZ



Regal and Leeson are trademarks of Regal Rexnord Corporation or one of its affiliated companies.
©2023 Regal Rexnord Corporation, All Rights Reserved. MC017097E



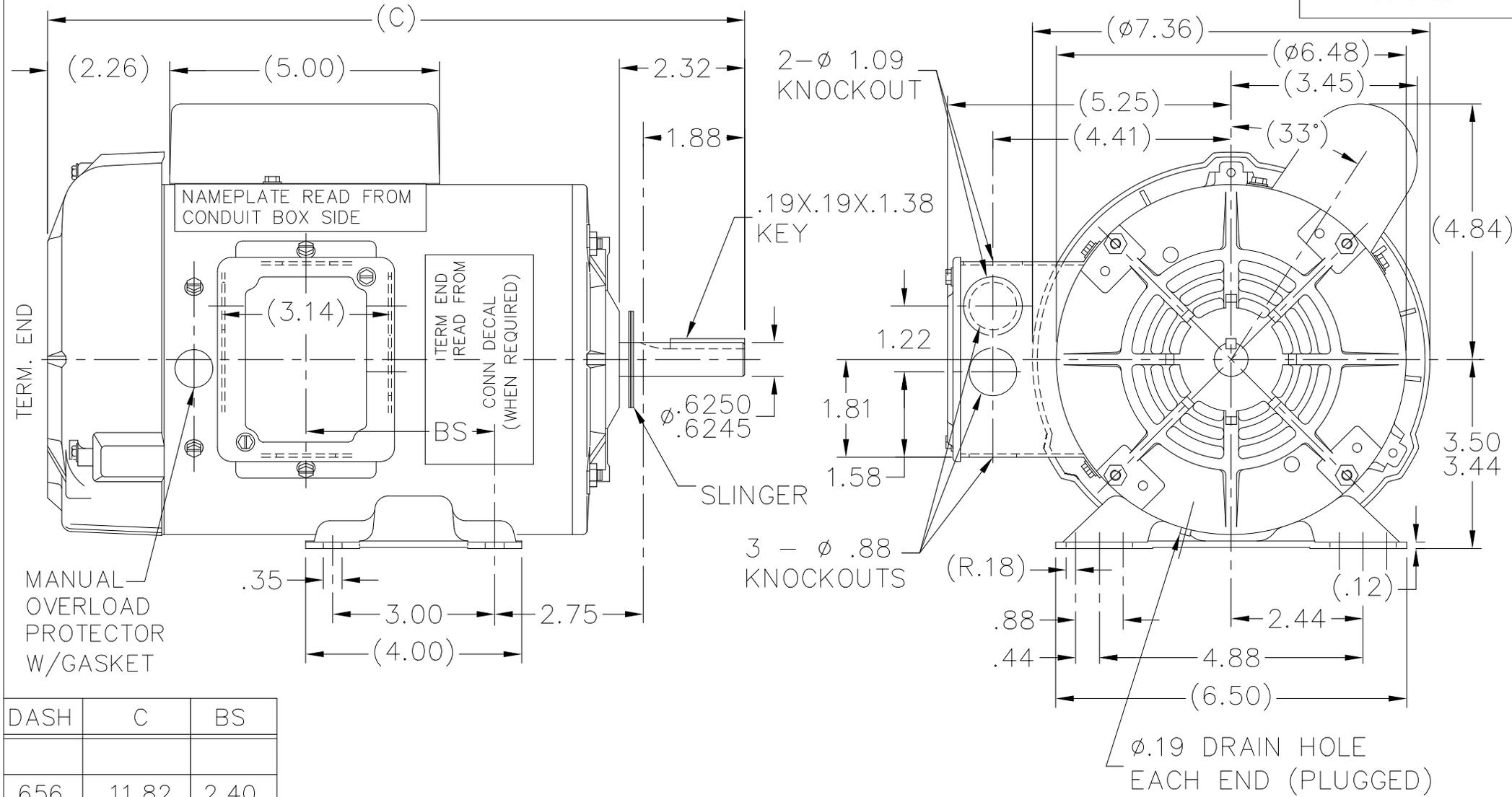


Nameplate Specifications

Phase	1	Output HP	0.50 Hp
Output KW	0.37 kW	Voltage	115/230 V
Speed	1725 rpm	Service Factor	1.15
Frame	56	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Manual	Efficiency	66 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	8.8/4.4 A	Power Factor	58
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	11.82 in
Frame Length	6.56 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-656



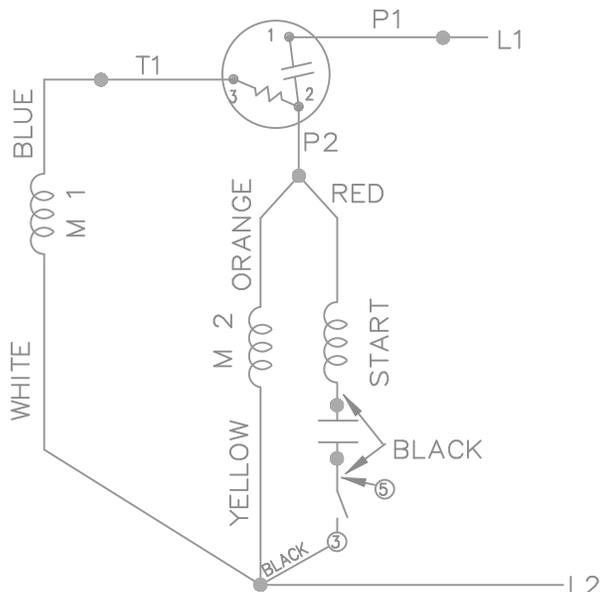
DASH	C	BS
656	11.82	2.40
706	12.32	2.90
756	12.82	3.40

				TOLERANCES UNLESS SPECIFIED		DRAWN SVL 2-18-2013	
				DEC.	INCHES	CHK	
				.X	±.1	APPD	
				.XX	±.03	SCALE 3=8	
				.XXX	±.005	REF	
B	UPDATED DE ENDFRAME	SG 09/03/21	SN .XXXX	±.0005	TITLE OUTLINE		FMF MU112210
NO.	REVISION	BY & DATE	CHK ANG	±7'30"	56 FRAME - BB - TEFC - 1φ		PREV
				RFP 2-18-2013	CAD FILE 100137LE		SIZE A
				DIST WP	3 of 6		DRAWING NO. 100137LE
						PAGE 1 OF 1	REV. B

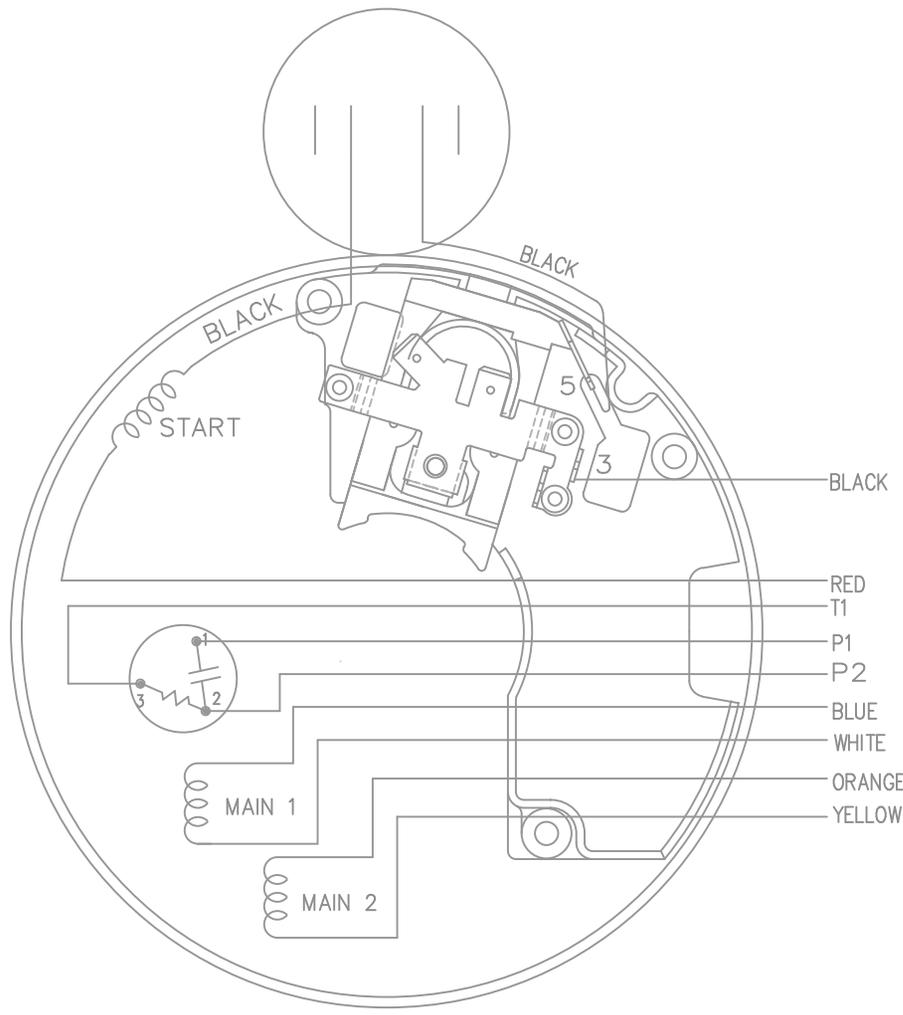
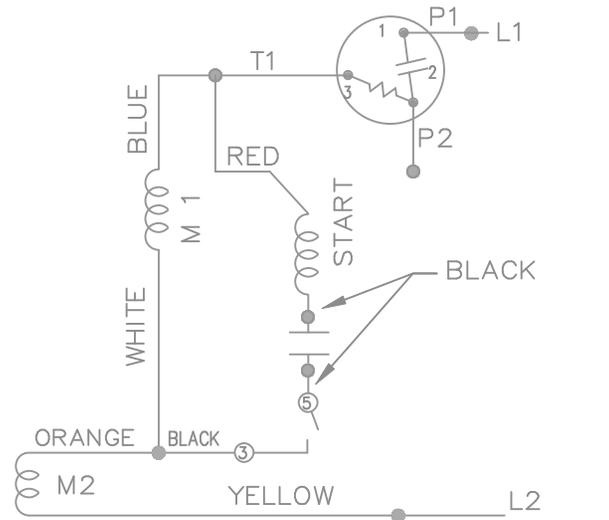


THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT

LOW VOLTAGE - CCW

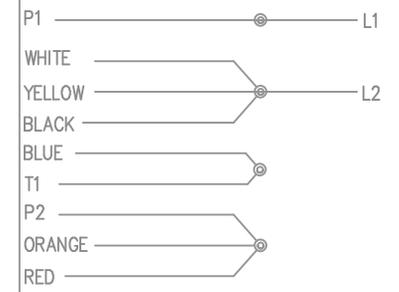


HIGH VOLTAGE - CCW

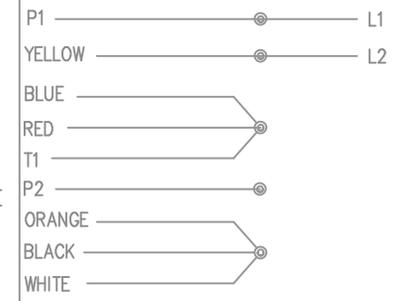


DUAL VOLTAGE
CAPACITOR START
OVERLOAD
SELECT ROTATION

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	LEESON		CHK	ML 09-04-2002	
				.X	±.1	TITLE CONNECTION DIAGRAM		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		
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 102005-52-LE	SIZE	DRAWING NO.	PAGE OF	REV.
				DIST	WP		A	102005-52-LE		1



CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: A-102005-52-LE

CATALOG #: 117863.00

OUTLINE: A-100137LE-656

MOUNTING: F1 ONLY

WINDING #: ZC404 3

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/2	0.37	1800	1725	56	TEFC	L	L

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115/208-230	8.8/4.2-4.4	ACROSS THE LINE	CONTINUOUS	B3	1.15	40

FULL LOAD EFF:	66	3/4 LOAD EFF:	58.3	1/2 LOAD EFF:	54.3	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	58	3/4 LOAD PF:	50.3	1/2 LOAD PF:	40.5	62	CAP START IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L,R. TORQUE	B,D. TORQUE	F.L. RISE°C
24.1 OZ-FT	42.6 / 21.3	83.8 OZ-FT - %	72.3 OZ-FT - %	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	26 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

*
N
O
T
E
S

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

