

PRODUCT INFORMATION PACKET



Model No: 110087.00
Catalog No: 110087.00
0.75 HP Agricultural Motor, 1 phase, 1800 RPM, 115/208-230 V, 56 Frame, TEFC
Agricultural Motors



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REGAL



Nameplate Specifications

Output HP	0.75 Hp	Output KW	0.56 kW
Frequency	60 Hz	Voltage	115/208-230 V
Current	10.8/5.4 A	Speed	1725 rpm
Service Factor	1.15	Phase	1
Efficiency	70 %	Power Factor	64
Duty	Continuous	Insulation Class	B
Design Code	L	KVA Code	L
Frame	56	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Manual	Ambient Temperature	40 °C
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	N	IP Code	54

Technical Specifications

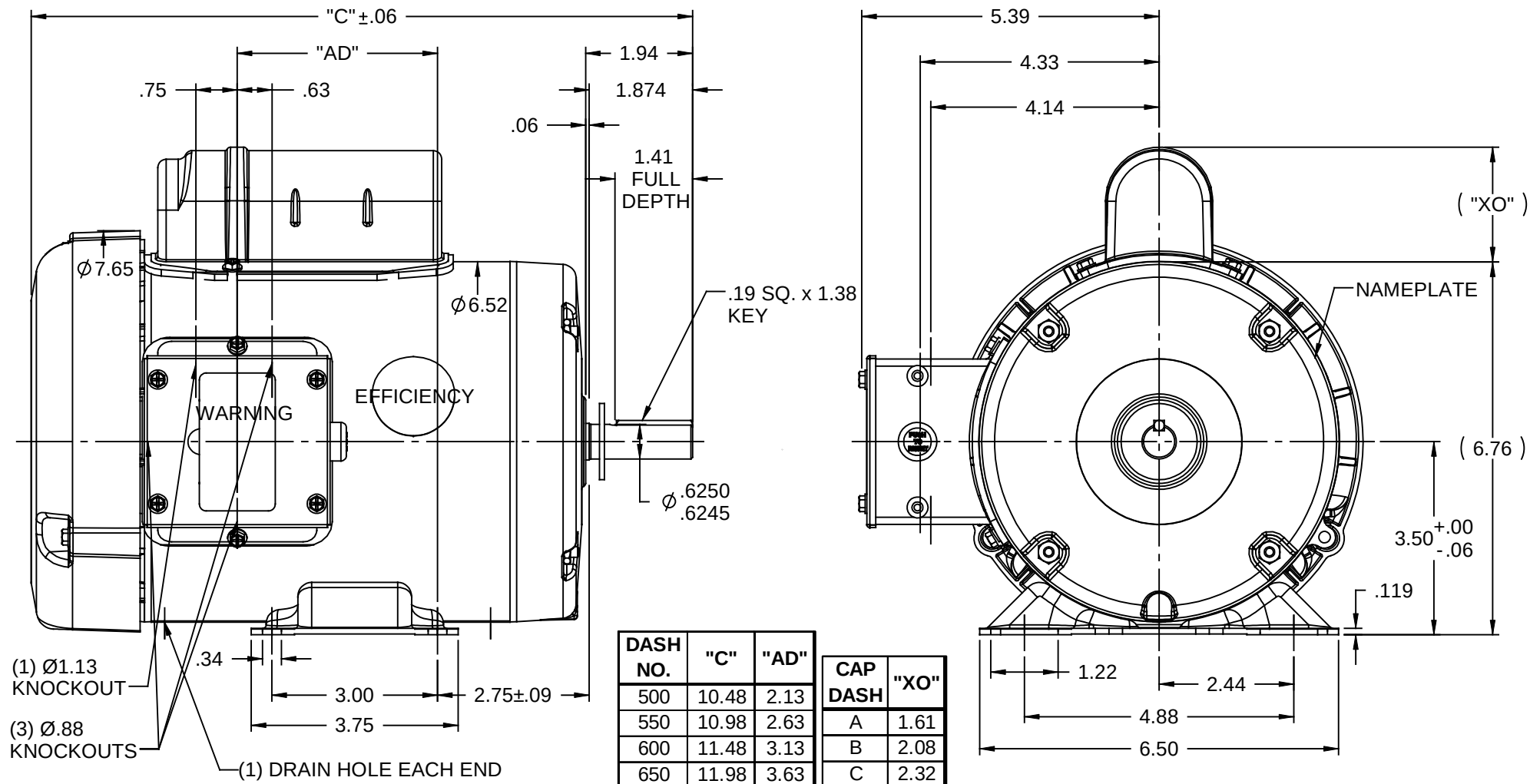
Electrical Type	Capacitor Start Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Resistance Main	2.6 Ohms	Mounting	Rigid base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 56	Overall Length	11.48 in
Frame Length	6.00 in	Shaft Diameter	0.625 in
Shaft Extension	1.88 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	028774-600B	Connection Drawing	005003.03

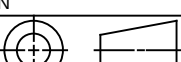
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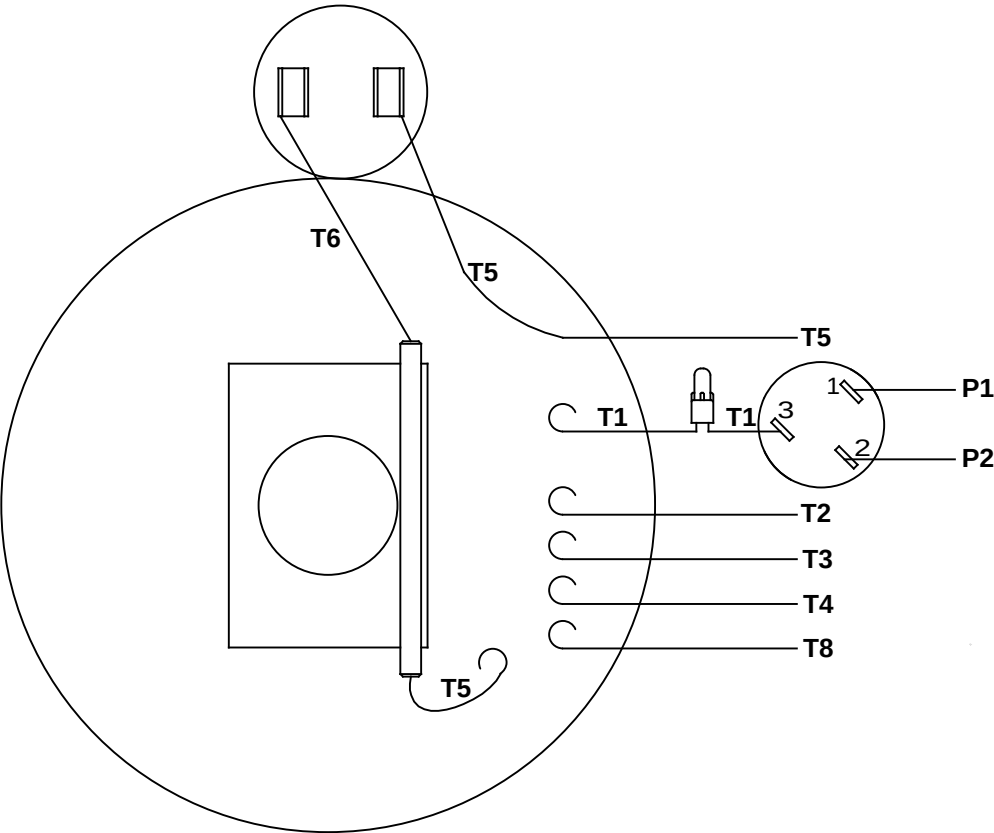
NOTES:

- 1) MANUAL OVERLOAD PROTECTOR.
- 2) FLINGER ON SHAFT.
- 3) GASKETS THROUGHOUT.
- 4) DRAIN HOLE IN FRAME (BOTH ENDS).



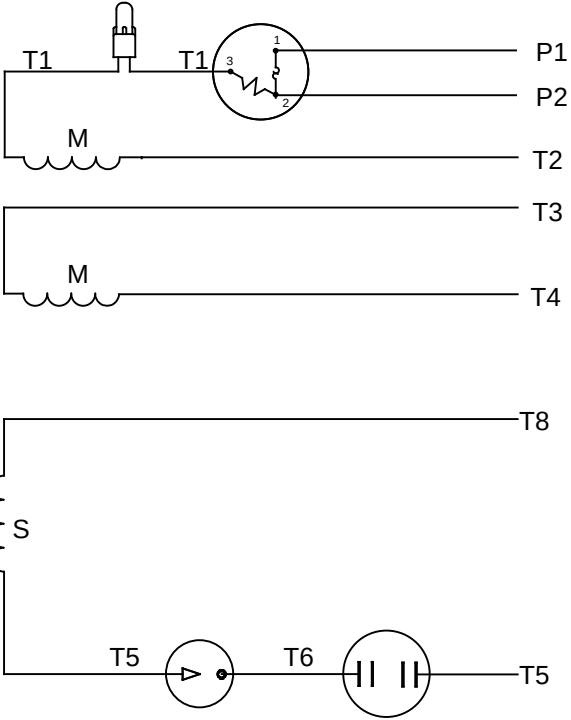
				TOLERANCES UNLESS SPECIFIED			ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN KMM 08/09/07	
				DEC	INCHES				CHK	
				.X	±.1				APPR	
				.XX	±.03				TITLE OUTLINE - 56 FRAME	
				.XXX	±.005				TEFC - RIGID	
01	ADD DRAIN HOLE NOTE PER ISAAC 08-1915	LST 5/7/08	XX	.XXXX	±.0005	MAT'L		FMF 110088.00		
NO	REVISION	BY & DATE	CHK	ANG	±1/2°	FINISH GENERAL PURPOSE		PAGE OF		
THIRD ANGLE PROJECTION 			RFP		PREV		SIZE A	DRAWING NO		REV
			NETWORK FILE NAME					028774		
										01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END



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LINE LEADS



	ROTATION FACING LEAD END	L1	L2	JOIN	INSULATE SEPARATELY
HIGH VOLT	C.C.W.	P1	T4 T5	T2,T3 T8	P2
	C.W.	P1	T4 T8	T2,T3 T5	P2
LOW VOLT	C.C.W.	P1	T2,T4 T5	P2,T3 T8	---
	C.W.	P1	T2,T4 T8	P2,T3 T5	---

				TOLERANCES UNLESS SPECIFIED		ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN WLW 08/20/79	
				DEC	INCHES			CHK	ADN 08/27/76
				.X	±.1	TITLE EXTERNAL WIRING DIAGRAM TYPE "C" W/PROTECTOR		APPR	WRK 08/27/76
				.XX	±.01			SCALE	1:1
06	REDRAWN IN SOLIDWORKS	VJB 7/22/2011	.XXX	±.005	MAT'L DECAL - 004011		REF		FMF
05	REDRAWN ON CAD	DBT 05/27/97	.XXXX	±.0005					
NO	REVISION	BY & DATE	CHK	ANG	±1/2°	FINISH		PAGE	OF
THIRD ANGLE PROJECTION			RFP		PREV		SIZE	DRAWING NO	
			NETWORK FILE NAME		00500303		A	005003-03	
								REV	
								06	



CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: 005003.03

CATALOG #: 110087.00

OUTLINE: 028774-600B

MOUNTING: F1 ONLY

WINDING #: C634258 FR 3 A

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	10.8/5.4	ACROSS THE LINE	CONTINUOUS	B4	1.15	40

FULL LOAD EFF:	70	3/4 LOAD EFF:	67.8	1/2 LOAD EFF:	61.3	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	64	3/4 LOAD PF:	55.3	1/2 LOAD PF:	44.6	66	CAP START IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
35.94 OZ-FT	60.2 / 30.1	114.48 OZ-FT 0 %	98.47 OZ-FT 0 %	78

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
54 dBA	64 dBA	0.08 LB-FT^2	0 LB-FT^2	10 SEC.	0	29 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	RED (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	STANDARD 56	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
NONE FT-LB NONE V NONE Hz



LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 110087.00

Curve at

230

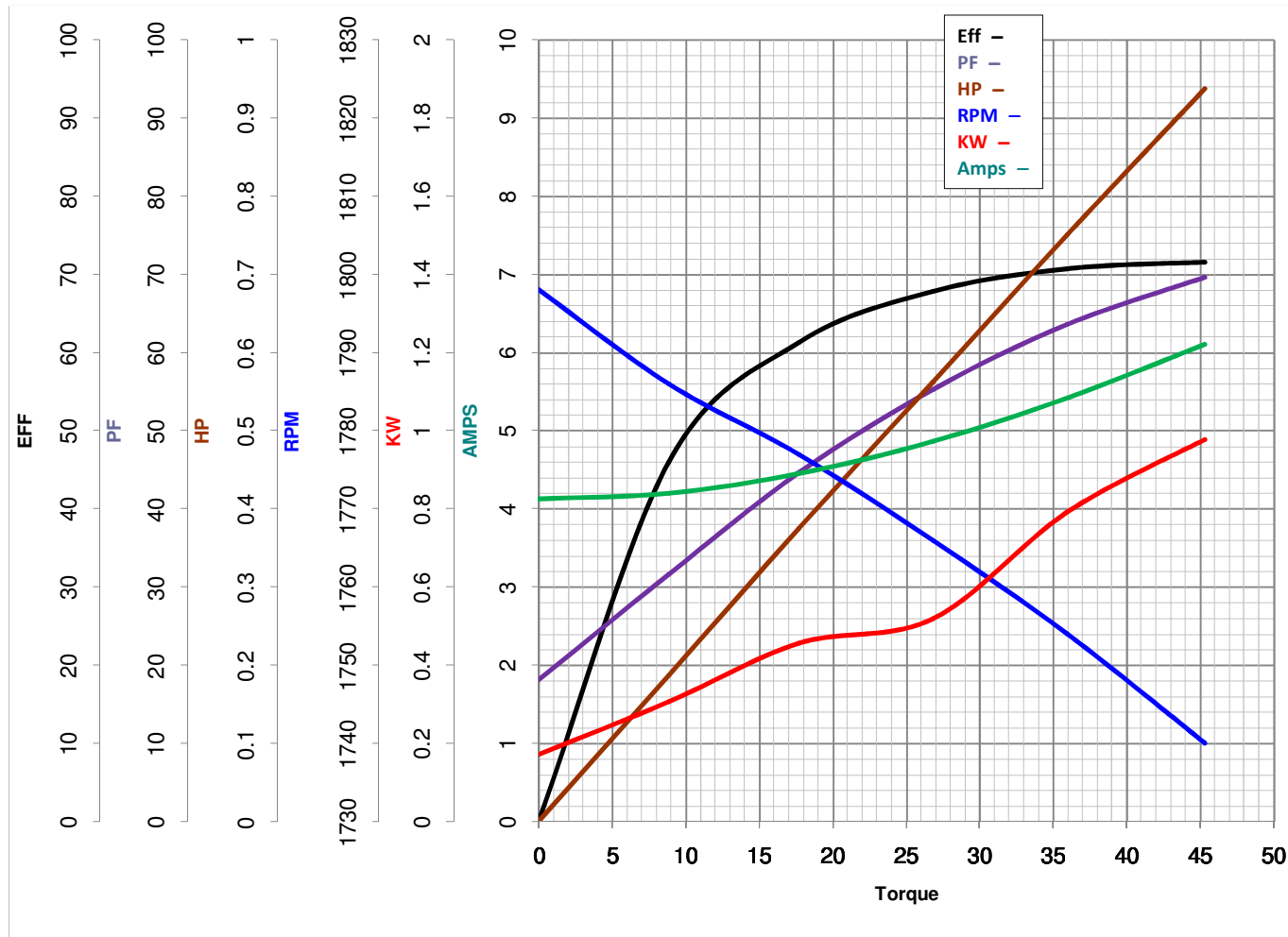
Volts

HP 0.76PHASE 160

HZ

0.75

HP

VOLTS 115/208-230Catalog No 110087.00HZ 60RPM 1725

Torque in Oz.Ft

FL TORQUE 35.94 Oz.FtBD TORQUE 98.5 Oz.FtLR TORQUE 114.5 Oz.Ft

WINDING C634258-3

FL AMPS 10.8/5.4PU TORQUE 84.2 Oz.FtLR AMPS 30.1

Date 3/13/2018