

PRODUCT INFORMATION PACKET



Model No: 102966.00
Catalog No: 102966.00
Fan and Blower Motor, 0.75 HP, 1 Ph, 60 Hz, 277 V, 1800 RPM, S56H Frame, DP



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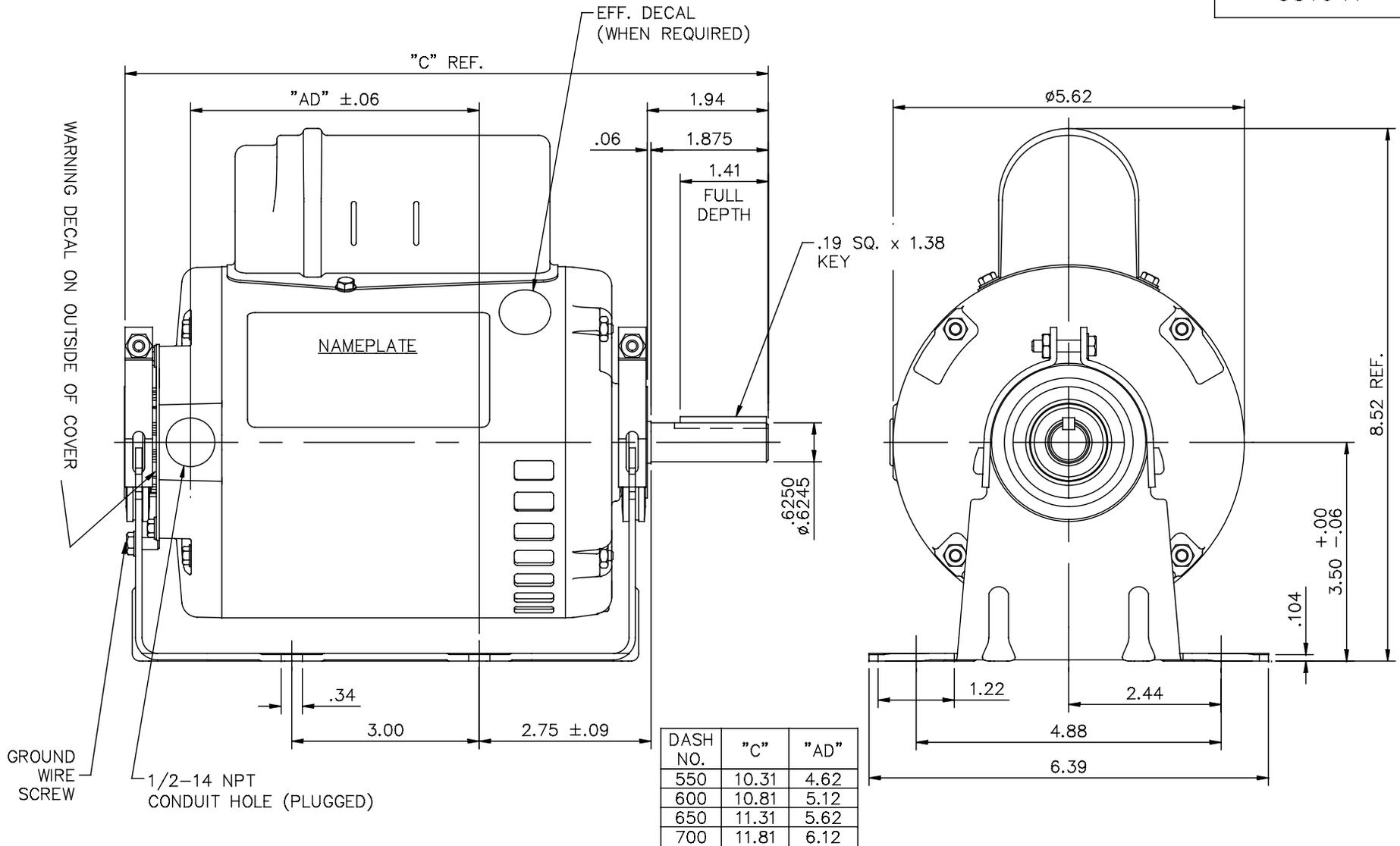
Nameplate Specifications

Output HP	0.75 Hp	Output KW	0.56 kW
Frequency	60 Hz	Voltage	277 V
Current	4.5 A	Speed	1725 rpm
Service Factor	1.25	Phase	1
Efficiency	70 %	Power Factor	64
Duty	Continuous	Insulation Class	B
Design Code	N	KVA Code	K
Frame	S56H	Enclosure	Drip Proof
Thermal Protection	Automatic	Ambient Temperature	40 °C
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	N	IP Code	22
Number of Speeds	1		

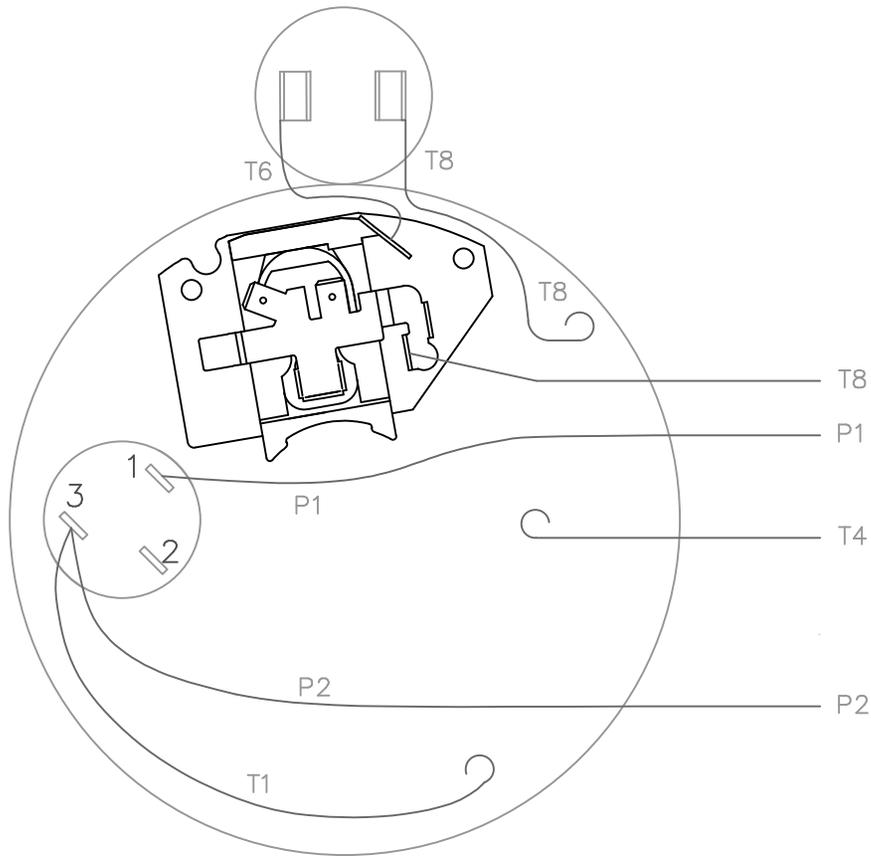
Technical Specifications

Electrical Type	Capacitor Start Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Resistance Main	0 Ohms	Mounting	Resilient Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 56	Overall Length	11.81 in
Frame Length	7.00 in	Shaft Diameter	0.625 in
Shaft Extension	1.88 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	031641-700	Connection Drawing	005162.05

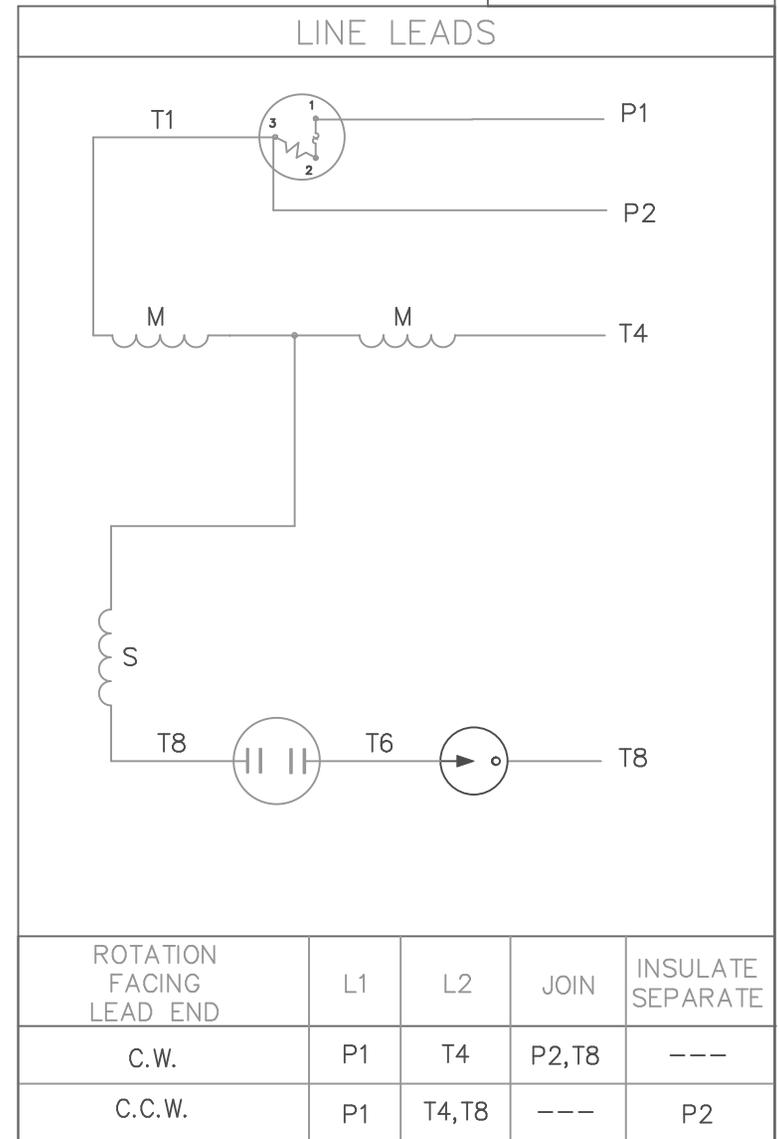
031641



				TOLERANCES UNLESS OTHERWISE SPECIFIED			LEESON ELECTRIC CORPORATION				
				DEC.	INCHES	METRIC					
				.X	±.1	±2.5	DRAWN	PG 7/25/01	TITLE	OUTLINE - S56 FRAME	
A	UPDATED WITH GROUND SCREW, OUTSIDE COVER	SL	10/09/15	JD	.XX	±.03	±.76	APPR.		RESILIENT MOUNT - DRIP PROOF	
	& EFF DECAL				.XXX	±.005	±.127	R.F.P.		MAT'L.	1 PHASE
NO.	REVISION	BY & DATE	CH'K'D.	.XXXX	±.0005	±.0127	SCALE	1=2			
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				FRACTIONS	±1/64	REF.	030485	FINISH	REV.	DRAWING NO.	
				ANGLES	±1/2°	FMF		A		031641	



VIEW FROM OUTSIDE OF MOTOR AT SWITCH END



				TOLERANCES UNLESS SPECIFIED		ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN PG 4/17/02	
				DEC.	INCHES			CHK	
				.X	±.1			APPD	
				.XX	±.01			SCALE 5=8	
				.XXX	±.005			REF PAGE 1	
01	REVERSED ROTATION DESIGNATION TO MATCH INT.	PFH 6/25/03		.XXXX	±.0005	MAT'L. SINGLE VOLTAGE - DUAL ROTATION		FMF 101622.00	
NO.	REVISION	BY & DATE	CHK	ANG	±1/2'	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 00516205		SIZE	DRAWING NO.	
				DIST			A	005162-05	
								REV. 01	



CERTIFICATION DATA SHEET

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

CATALOG #: 102966.00

CONN. DIAGRAM: 005162.05

OUTLINE: 031641-700

MOUNTING: F1 ONLY

WINDING #: CE484207 DR 4 A

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3/4	0.56	1800	1725	S56H	DP	K	N

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	277	4.5	ACROSS THE LINE	CONTINUOUS	B3	1.25	40

FULL LOAD EFF:	70	3/4 LOAD EFF:	67.2	1/2 LOAD EFF:	61.3	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	64	3/4 LOAD PF:	56.4	1/2 LOAD PF:	45.4	66		CAP START IND RUN	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
36 OZ-FT	22.6	114 OZ-FT 317 %	83.5 OZ-FT 232 %	62.2

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	-1 LB-FT^2	0 LB-FT^2	0 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	RESILIENT BASE	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE - LEESON (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL 6203	BALL 6203	MULTEMP SRL	STANDARD 56	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	AUTOMATIC	NONE	NONE	NONE	FALSE	NONE VOLTS

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N
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E

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

