

PRODUCT INFORMATION PACKET



Model No: 120997.00
Catalog No: 120997.00
Other Purpose Motor, 2 HP, 1 Ph, 60 Hz, 115/230 V, 3600 RPM, 143Y Frame, TEFC



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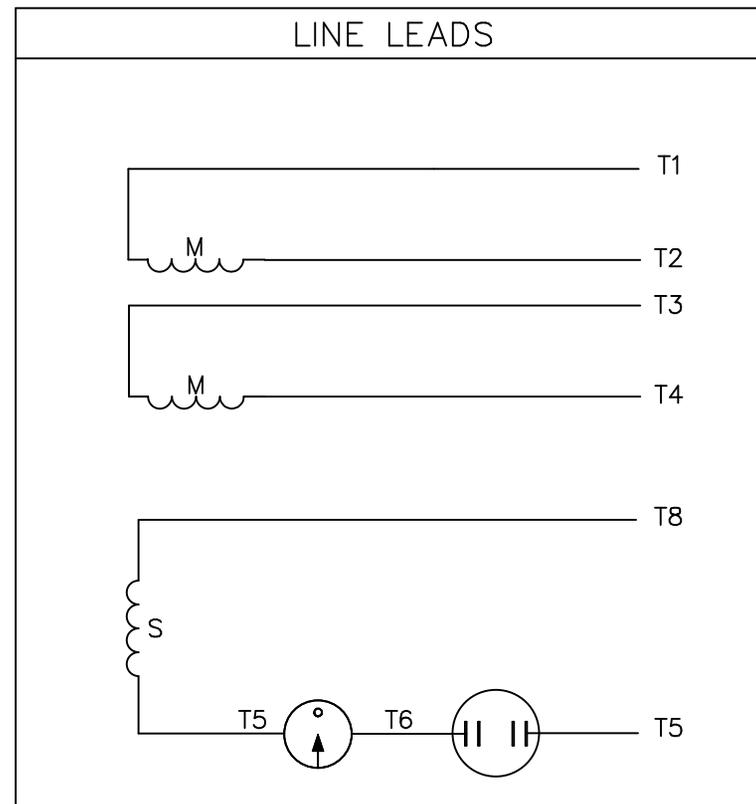
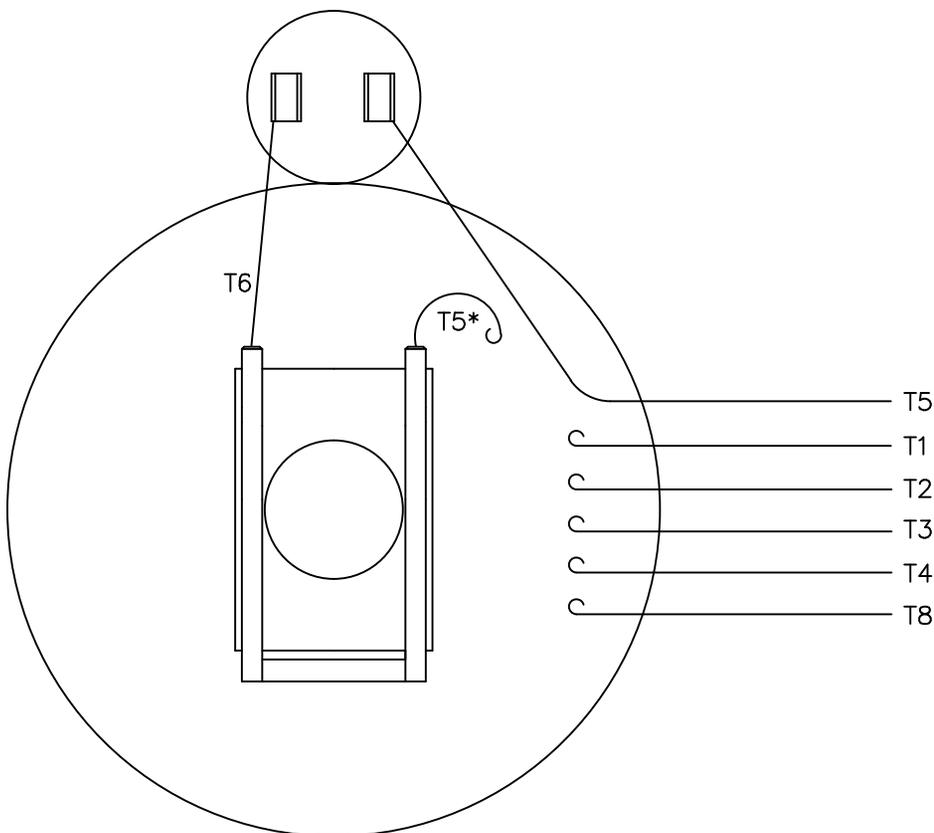
Nameplate Specifications

Output HP	2 Hp	Output KW	1.5 kW
Frequency	60 Hz	Voltage	115/230 V
Current	22.0/11.0 A	Speed	3450 rpm
Service Factor	1	Phase	1
Efficiency	71 %	Power Factor	78
Duty	Saw	Insulation Class	B
Design Code	L	KVA Code	J
Frame	143Y	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6205	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	2	Rotation	Fixed Counterclockwise
Resistance Main	0 Ohms	Mounting	Round
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	Single Special Extension	Overall Length	12.86 in
Frame Length	7.50 in	Shaft Diameter	0.750 in
Shaft Extension	1.75 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	028924-750B	Connection Drawing	005062.01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



	ROTATION FACING LEAD END	L1	L2	JOIN
HIGH VOLT	C.C.W.	T1	T4 T5	T2, T3 T8
	C.W.	T1	T4 T8	T2, T3 T5
LOW VOLT	C.C.W.	T1, T3 T8	T2, T4 T5	---
	C.W.	T1, T3 T5	T2, T4 T8	---

* THIS LEAD MAY BE WHITE

		TOLERANCES UNLESS SPECIFIED		LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN JRW 12/05/74	
		DEC.	INCHES	ELECTRIC MOTORS GEARMOTORS AND DRIVES		CHK	
		.X	±.1	EXT. WIRING DIAGRAM TYPE "C" W/O PROTECTOR		APPD T.E.M.	
12	ALTERNATE T5 LEAD MARKING WAS RED	RLW 8/6/02	.XX ±.01	DECAL - 004012		SCALE 1=1	
11	ADDED ALTERNATE T5 LEAD MARKING	RLW 5/31/02	KH .XXX ±.005	FINISH		REF A-005061	
10	UPDATED TO CURRENT STANDARDS	DBT 06/09/97	.XXXX ±.0005	CAD FILE 00506201		FMF	
NO.	REVISION	BY & DATE	CHK ANG ±1/2"	SIZE A		DRAWING NO. 005062-01	
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		REV. 12	
				DIST NLV			



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CERTIFICATION DATA SHEET

CATALOG #: 120997.00

CONN. DIAGRAM: 005062.01

OUTLINE: 028924-750B

MOUNTING: F1 ONLY

WINDING #: C632244 3 A

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
2	1.49	3600	3450	143Y	TEFC	J	L

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115/230	22/11	ACROSS THE LINE	SAW	B4	1.0	40

FULL LOAD EFF:	71	3/4 LOAD EFF:	74.3	1/2 LOAD EFF:	69.6	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	78	3/4 LOAD PF:	77.2	1/2 LOAD PF:	57.6	66	CAP START IND RUN		

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
3 LB-FT	138 / 69	6.6 LB-FT 220 %	8.8 LB-FT 293 %	85

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.074 LB-FT^2	0.1 LB-FT^2	0 SEC.	0	45 LBS.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	ROUND	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLACK (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	SGL SPL EXT	SPECIAL	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
6205	6203						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

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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
NONE FT-LB NONE V NONE HZ

