

# PRODUCT INFORMATION PACKET



Model No: 101644.00  
Catalog No: 101644.00  
0.75 HP Auger Drive Motor, 1 phase, 1500 RPM, 110/220 V, 48Y Frame, TEFC  
Auger Drive Motors



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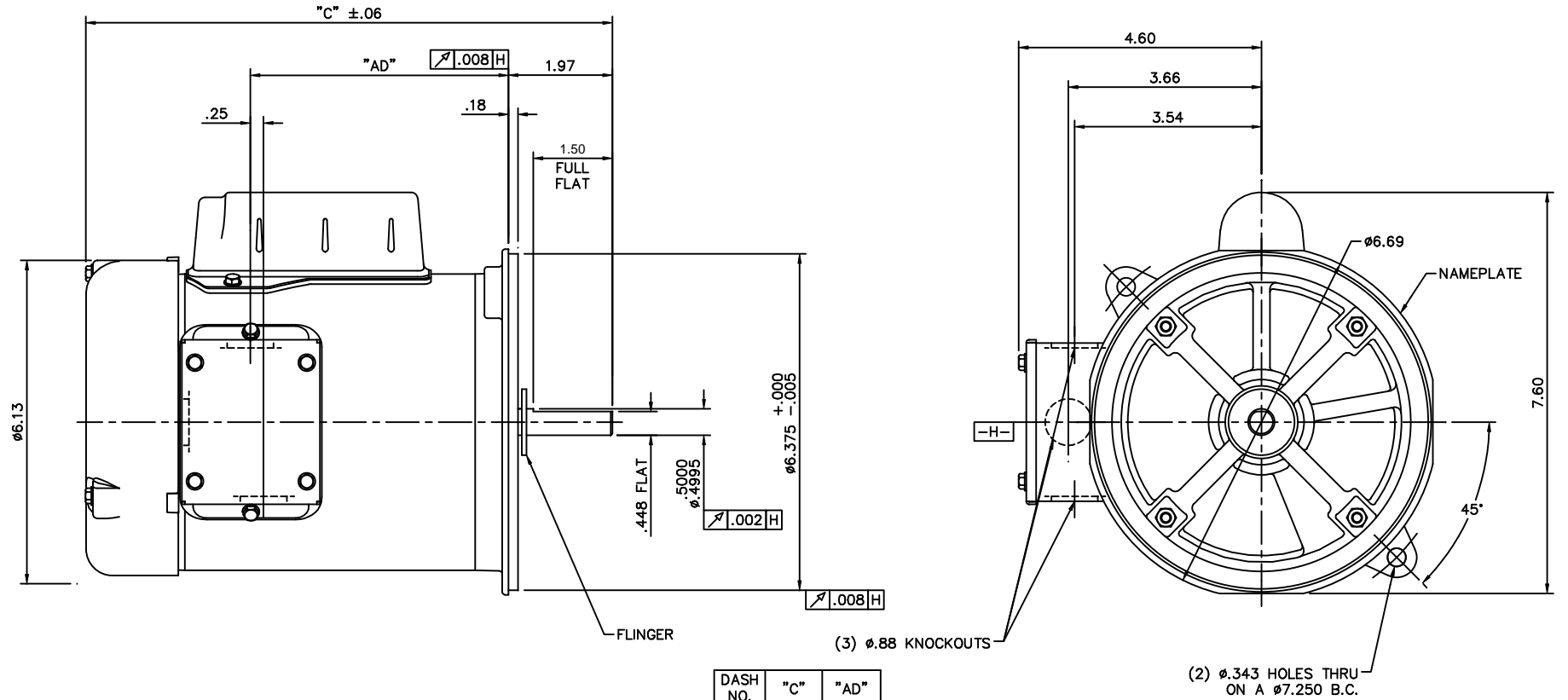
**Nameplate Specifications**

Output HP	0.75 Hp	Output KW	0.56 kW
Frequency	50 Hz	Voltage	110/220 V
Current	11.6/5.8 A	Speed	1425 rpm
Service Factor	1	Phase	1
Efficiency	69 %	Power Factor	64
Duty	Continuous	Insulation Class	F
Design Code	NO DESIGN CODE	KVA Code	K
Frame	48Y	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	43

**Technical Specifications**

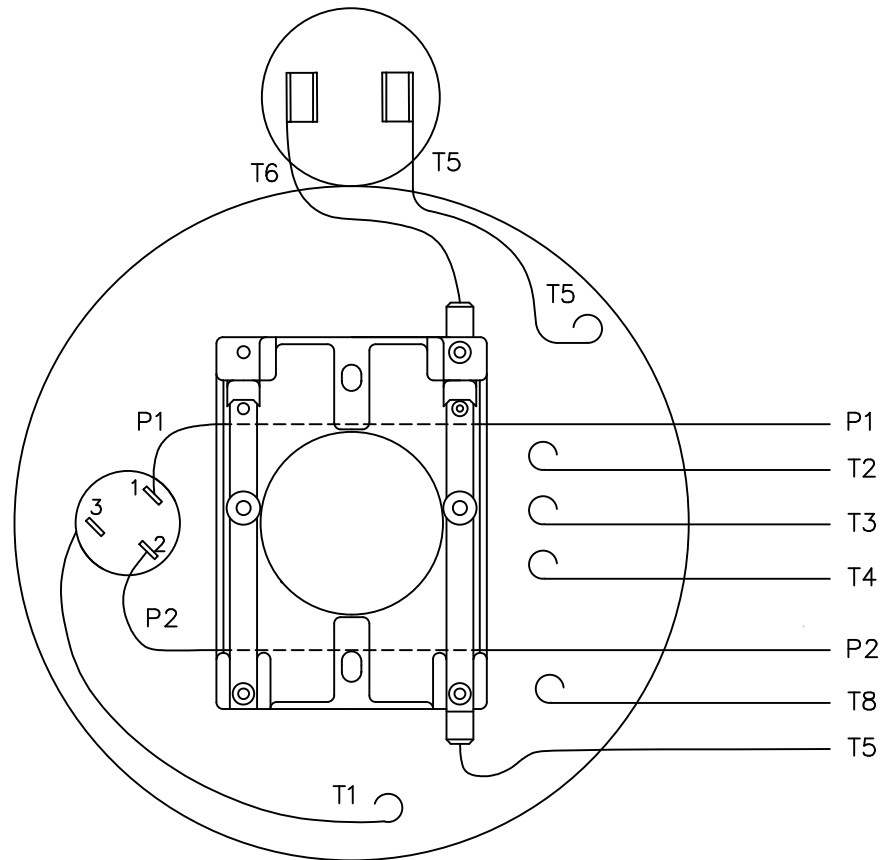
Electrical Type	Capacitor Start Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Resistance Main	.523 Ohms	Mounting	Round
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 48	Overall Length	12.22 in
Frame Length	7.75 in	Shaft Diameter	0.500 in
Shaft Extension	1.5 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	031779-775	Connection Drawing	005003.72

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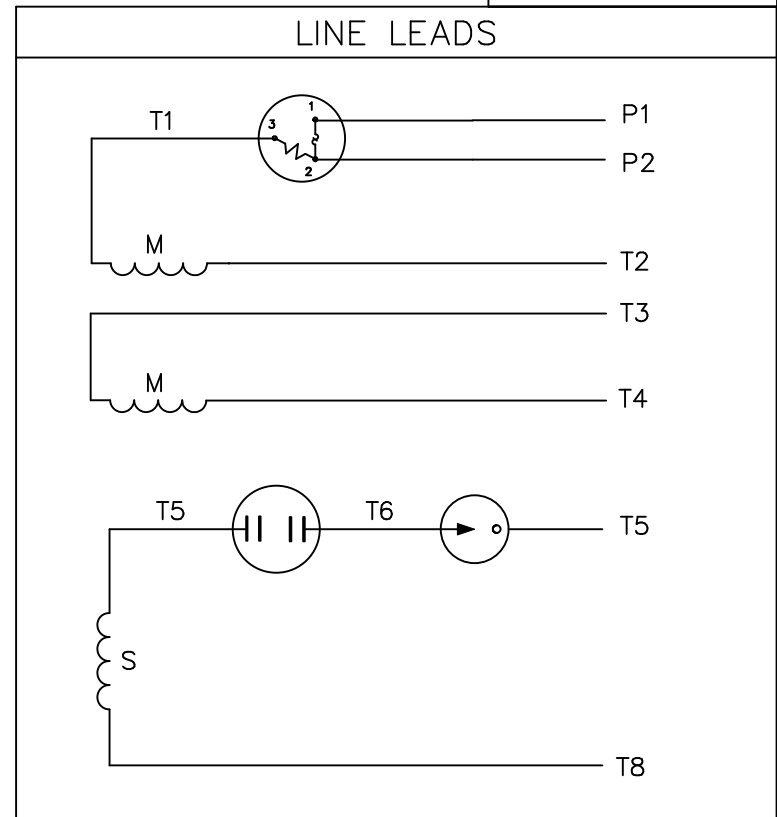


DASH NO.	"C"	"AD"
550	9.97	4.89
575	10.22	5.14
600	10.47	5.39
625	10.72	5.64
650	10.97	5.89
675	11.22	6.14
700	11.47	6.39
725	11.72	6.64
750	11.97	6.89
775	12.22	7.14
800	12.47	7.39

		TOLERANCES UNLESS SPECIFIED		<b>LEESON</b>	ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN KMM 08/02/04
		DEC.	INCHES			CHK
		.X	±.1			APPD
		.XX	±.03			SCALE 1=2
		.XXX	±.005	TITLE	OUTLINE - 48Y FRAME OIL BURNER FLANGE MOUNT - TEFC	REF 031647
		.XXXX	±.0005	MAT'L	1 PHASE	FMF PR040409
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"	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	031779
				DIST	SIZE	DRAWING NO. 031779
					B	REV.



VIEW FROM OUTSIDE OF MOTOR AT SWITCH END



	ROTATION FACING LEAD END	L1	L2	JOIN	INSULATE SEPARATE
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	---

NO.	REVISION	BY & DATE	CHK	TOLERANCES UNLESS SPECIFIED	
				DEC.	INCHES
				.X	±.1
				.XX	±.01
				.XXX	±.005
				.XXXX	±.0005
				ANG	±1/2°



ELECTRIC MOTORS  
GEARMOTORS  
AND DRIVES

DRAWN	KMM 02/18/05
CHK	
APPD	PG 02/18/05
SCALE	5=8
REF	005003-52
FMF	
PREV	

TITLE	EXTERNAL WIRING DIAGRAM TYPE "C" W/PROTECTOR
MAT'L.	DUAL VOLTAGE - DUAL ROTATION
FINISH	"BRF" SWITCH

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		DIST			A	005003-72	



CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: 005003.72

CATALOG #: 101644.00

OUTLINE: 031779-775

MOUNTING: F1 ONLY

WINDING #: CE484271 3 A

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3/4	0.56	1500	1425	48Y	TEFC	K	NO DESIGN CODE

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	50	110/220	11.6/5.8	ACROSS THE LINE	CONTINUOUS	F3	1.0	40

FULL LOAD EFF:	69	3/4 LOAD EFF:	66.2	1/2 LOAD EFF:	59.8	GTD. EFF		ELEC. TYPE
FULL LOAD PF:	64	3/4 LOAD PF:	55.3	1/2 LOAD PF:	44.3	64	CAP START	IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C		
43.5 0Z-FT	54 / 27	130 0Z-FT	299 %	110 0Z-FT	253 %	95

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	33 LBS.

\*\*\* SUPPLEMENTAL INFORMATION \*\*\*

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
OIL BURNER	STANDARD	ROUND	HORIZONTAL	FALSE	NONE	FALSE	NONE	RED - LEESON (POWDER)

BEARINGS DE ODE	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
BALL BALL	MULTEMP SRL	STANDARD 48	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDS	BRG RTDS	NONE	FALSE	NONE
NONE	MANUAL	NONE	NONE			

\*

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

T  
 O  
 N  
 E  
 S

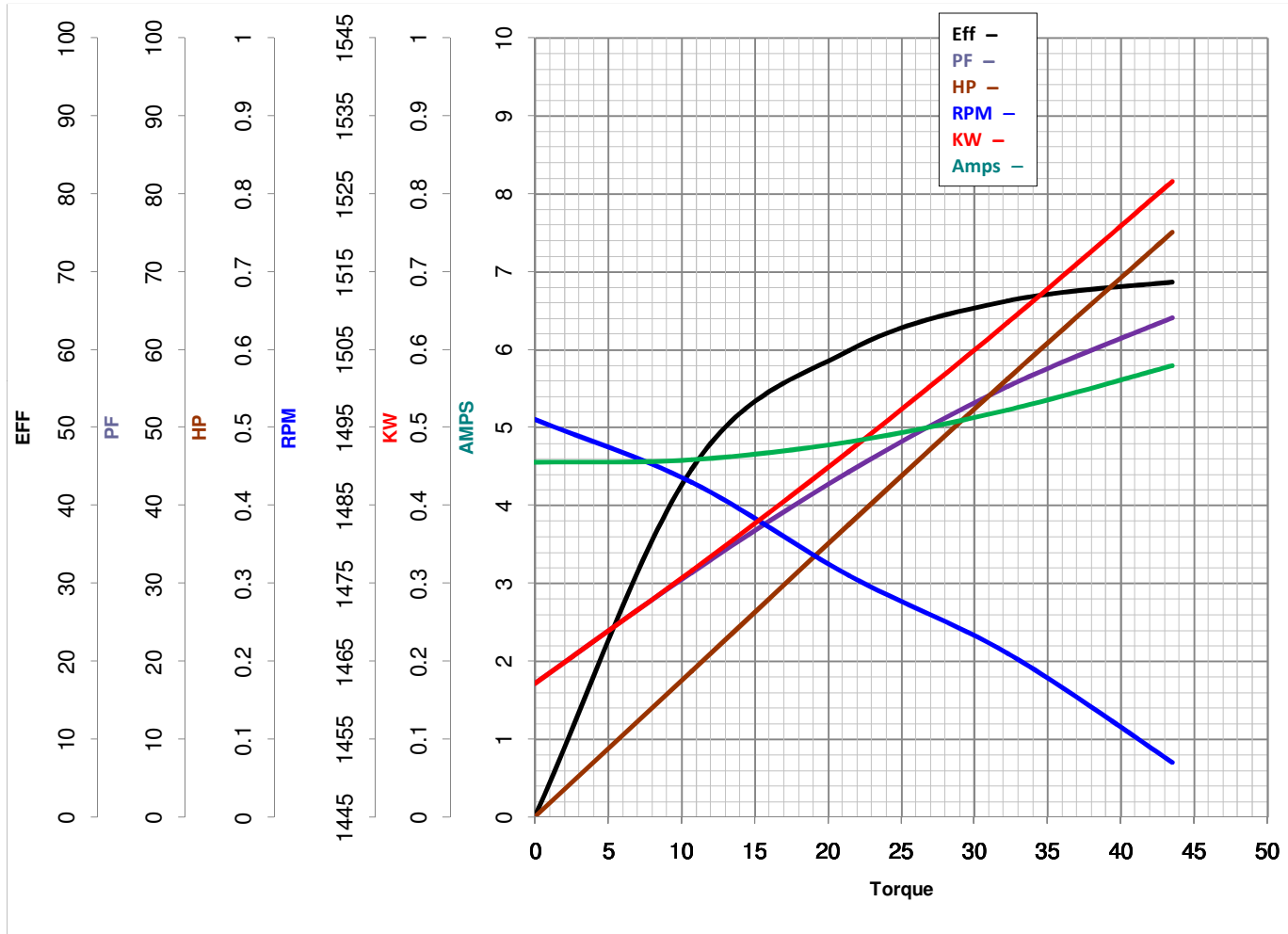


**LEESON ELECTRIC CORPORATION**  
 TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 101644.00

Catalog No 101644.00

Curve at 220 Volts      HP 0.76      PHASE 1  
50 HZ  
0.75 HP      VOLTS 110/220  
    HZ 50      RPM 1425



Torque in Oz.Ft

FL TORQUE 43.5 Oz.Ft  
 BD TORQUE 110.0 Oz.Ft  
 LR TORQUE 130 Oz.Ft

FL AMPS 11.6/5.8  
 PU TORQUE 101.8 Oz.Ft  
 LR AMPS 27

WINDING CE484271-3

Date 3/27/2018