

PRODUCT INFORMATION PACKET



Model No: 100443.00

Catalog No: 100443.00

General Purpose Motor, 0.33 & 0.33 HP, 3 Ph, 60 & 50 Hz, 230/460 & 208-230/460 V, 1800 & 1500 RPM,
48 Frame, TENV

Operational at 208-230/460 V @60HZ



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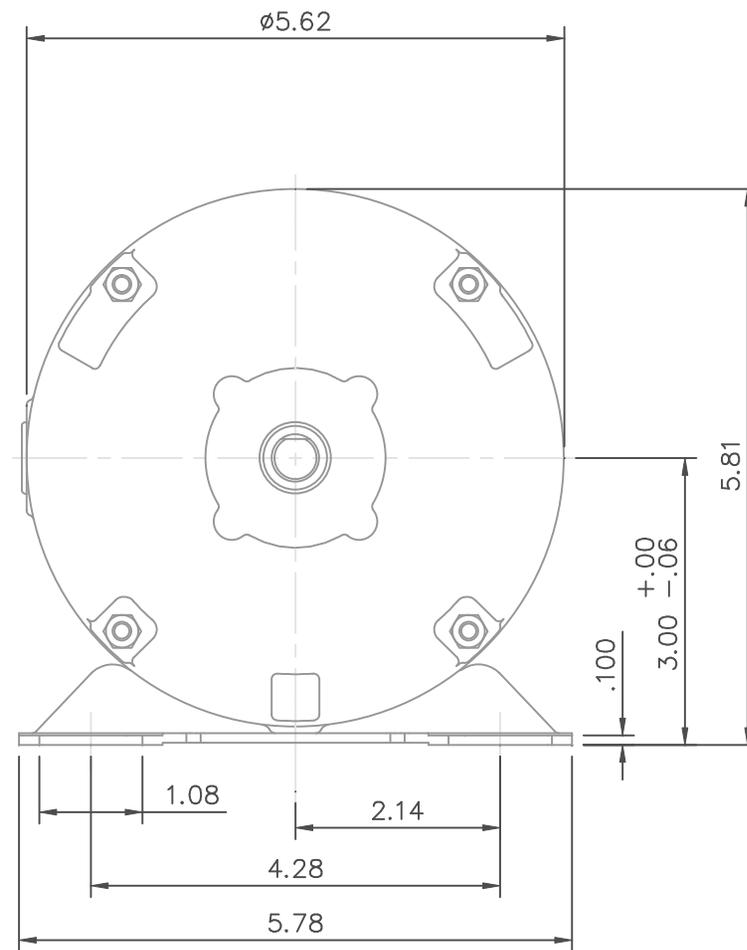
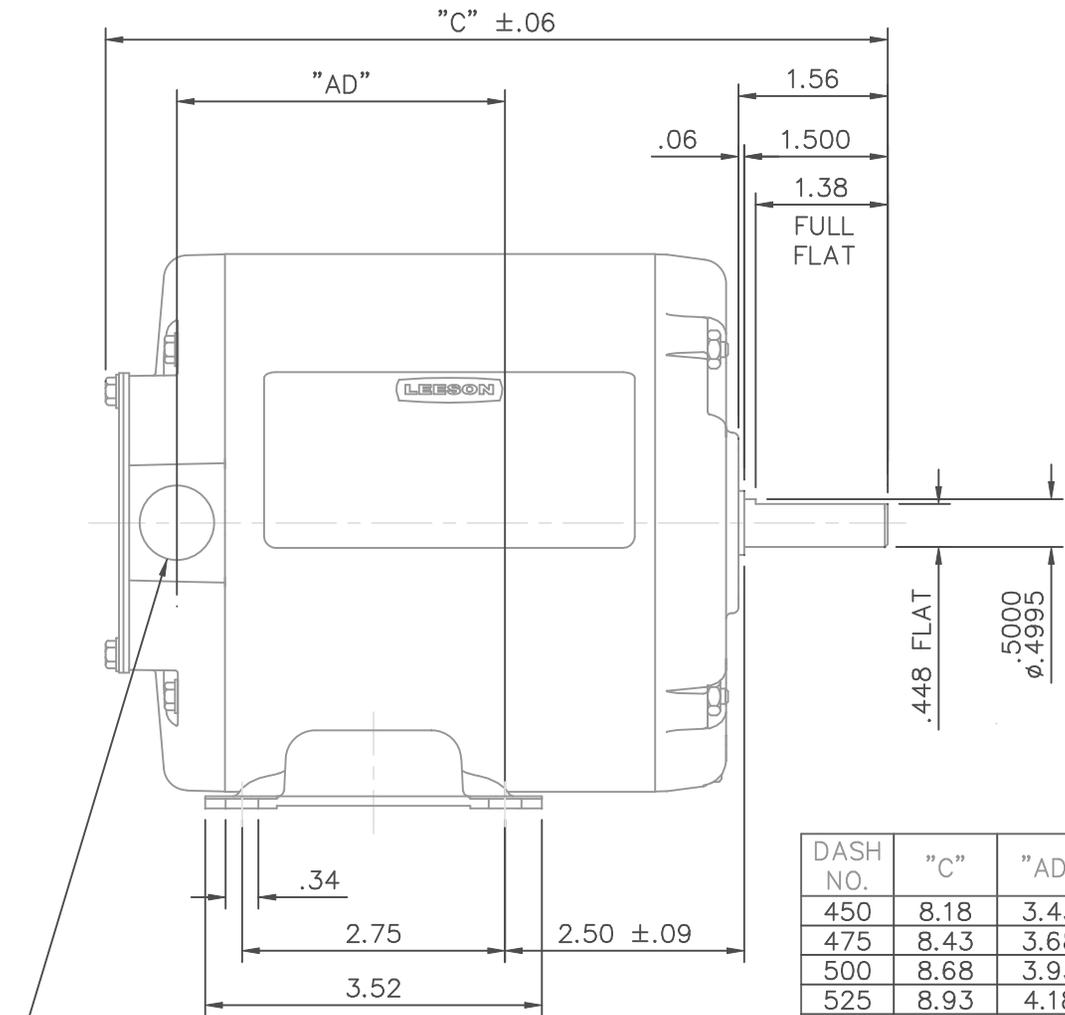


Nameplate Specifications

Phase	3	Output HP	0.33 & 0.33 Hp
Output KW	0.25 & 0.25 kW	Voltage	230/460 & 208-230/460 V
Speed	1725 & 1425 rpm	Service Factor	1.15 & 1.15
Frame	48	Enclosure	Totally Enclosed Non Ventilated
Thermal Protection	No Protection	Efficiency	78 & 78 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	1.2/.6 & 1.4/.7 A	Power Factor	65
Duty	Continuous	Insulation Class	B
Design Code	N	KVA Code	M
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	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	11.69 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 48	Overall Length	9.68 in
Frame Length	6.00 in	Shaft Diameter	0.500 in
Shaft Extension	1.5 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	005010.01	Outline Drawing	031652-600



DASH NO.	"C"	"AD"
450	8.18	3.43
475	8.43	3.68
500	8.68	3.93
525	8.93	4.18
550	9.18	4.43
575	9.43	4.68
600	9.68	4.93
625	9.93	5.18
650	10.18	5.43
675	10.43	5.68

1/2-14 NPT
CONDUIT HOLE
(PLUGGED)

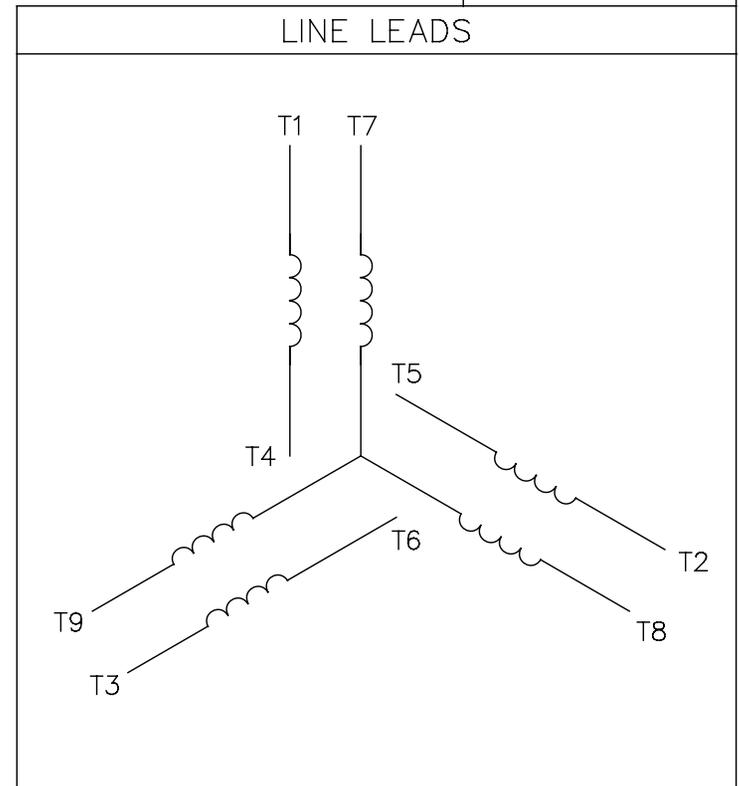
GASKETS THROUGHOUT

			TOLERANCES UNLESS OTHERWISE SPECIFIED			LEESON ELECTRIC CORPORATION			
			DEC.	INCHES	METRIC				
			.X	±.1	±2.5	DRAWN	PG 9/28/01	TITLE	OUTLINE - 48 FRAME RIGID MOUNT - TENV
			.XX	±.03	±.76	APPR.		MAT'L.	3 PHASE
			.XXX	±.005	±.127	R.F.P.		SCALE	1=2
NO.	REVISION	BY & DATE	CH'K'D.	.XXXX	±.0005	±.0127	SCALE	1=2	
			FRACTIONS	±1/64		REF.	031086	FINISH	
			ANGLES	±1/2°		FMF	100123	REV.	DRAWING NO. 031652

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005010-01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



VOLTAGE	L1	L2	L3	JOIN & INSULATE
HIGH	T1	T2	T3	(T4,T7) (T5,T8) (T6,T9)
LOW	T1,T7	T2,T8	T3,T9	T4,T5,T6

				TOLERANCES UNLESS SPECIFIED		REGAL ™ Regal Beloit America, Inc.		DRAWN RDW 04/12/02				
				DEC.	INCHES			CHK				
				.X	±.1			APPD				
				.XX	±.01			SCALE 1=1				
				.XXX	±.005	TITLE		REF FIG.2-51				
A	UPDATED TO REGAL LOGO			SAJ	06/26/15	AJY	.XXXX	±.0005	MAT'L. DECAL - 004014	FMF		
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	04/12/02		CAD FILE	00501001		SIZE	DRAWING NO.	REV.
				DIST	BRF-NLV			A	005010-01		A	



CERTIFICATION DATA SHEET

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

CATALOG #: 100443.00

CONN. DIAGRAM: 005010.01

OUTLINE: 031652-600

MOUNTING: F1 ONLY

WINDING #: TE48468 NR 3 A

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/3&1/3	0.25&0.25	1800	1725&1425	48	TENV	M	N

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	208-230/460&208-230/460	1.2/.6&1.4/.7	ACROSS THE LINE	CONTINUOUS	B3	1.15/1.15	40

FULL LOAD EFF:	78&78	3/4 LOAD EFF:	76.3	1/2 LOAD EFF:	70.4	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	65&65	3/4 LOAD PF:	56.7	1/2 LOAD PF:	44.7	-	SQ CAGE IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
16.08 OZ-FT	8.7 / 4.4	75.5 OZ-FT 472 %	80.8 OZ-FT 505 %	0

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
- dBA	- dBA	-1 LB-FT^2	- LB-FT^2	- SEC.	-	0 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	BLUE - LEESON (ENAMEL)

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	NOT	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
NONE FT-LB NONE V NONE HZ



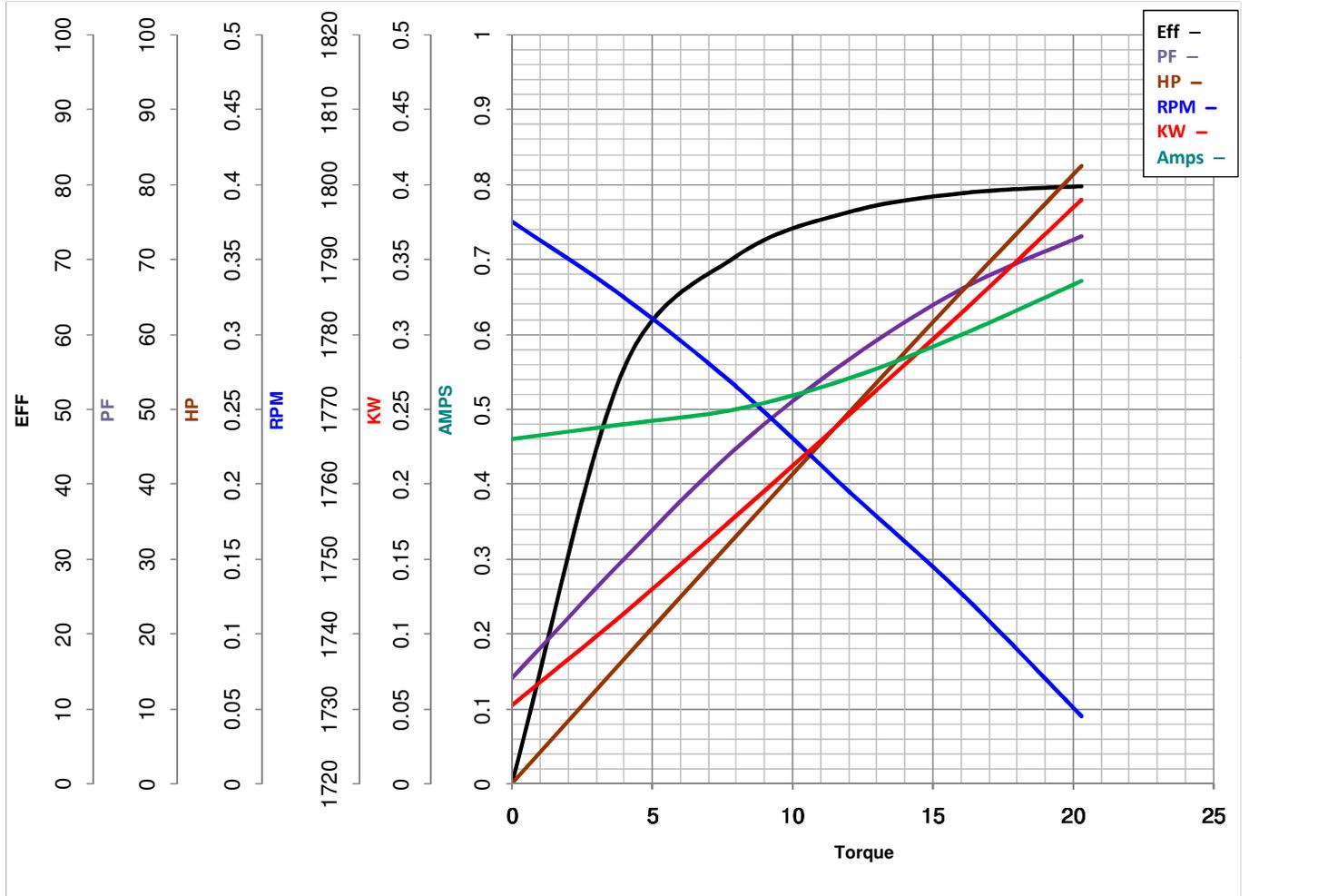
LEESON ELECTRIC CORPORATION
 TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 100443

Curve at 460 Volts HP 0.33&0.33 PHASE 3
60 HZ
0.33 HP VOLTS 208-230/460&208-230/460

Catalog No 100443

HZ 60&50 RPM 1725&1425



FL TORQUE	<u>16.08</u> Oz.Ft	FL AMPS	<u>1.2/6</u>
BD TORQUE	<u>80.8</u> Oz.Ft	PU TORQUE	<u>73.9</u> Oz.Ft
LR TORQUE	<u>75.5</u> Oz.Ft	LR AMPS	<u>4.35</u>
WINDING	TE48468-3	Date	5/23/2018