

PRODUCT INFORMATION PACKET



Model No: 113373.00

Catalog No: 113373.00

Definite Purpose Motor, 1 & 0.44 HP, 1 Ph, 60 Hz, 230 & 230 V, 1800 & 1800 RPM, 56H Frame, DP



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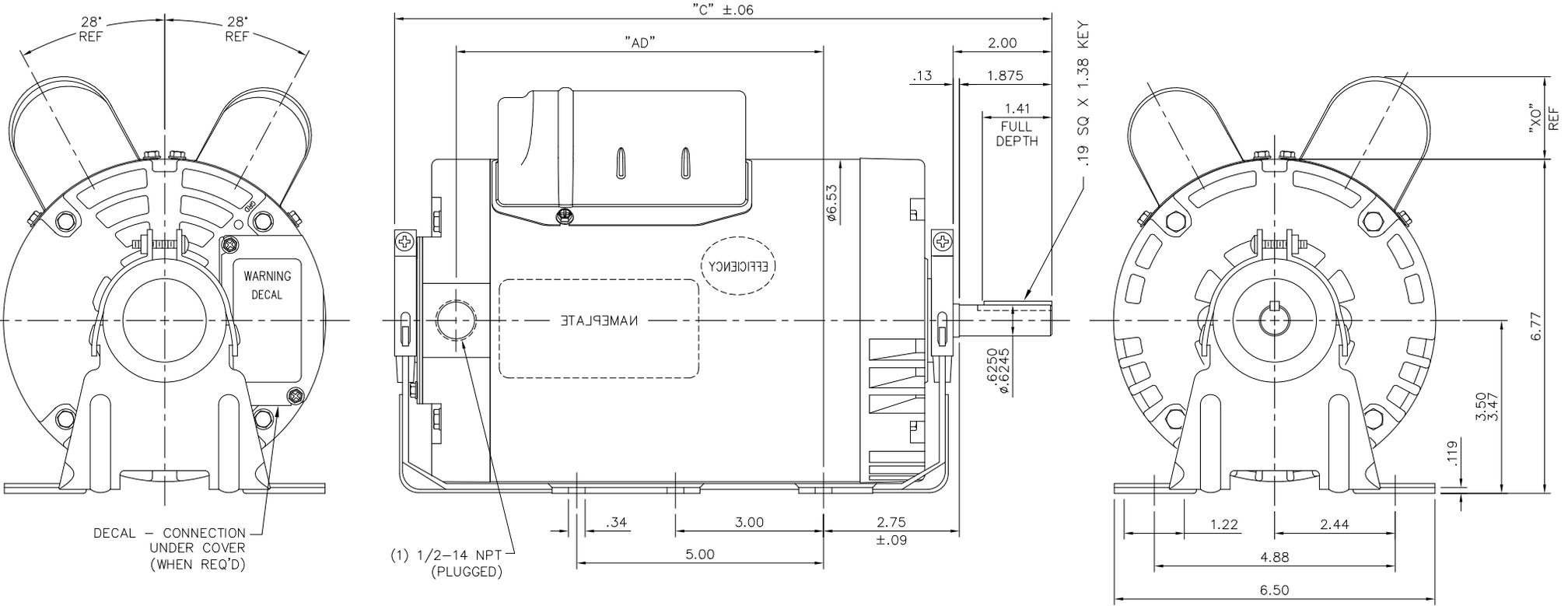


Nameplate Specifications

Phase	1	Output HP	1 & 0.44 Hp
Output KW	0.75 & 0.33 kW	Voltage	230 & 230 V
Speed	1725 & 1140 rpm	Service Factor	1.00 & 1.00
Frame	56H	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	69 & 53 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	6.5 & 4.6 A	Power Factor	76
Duty	Continuous	Insulation Class	F
Design Code	2VT	KVA Code	K
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	N	IP Code	22
Number of Speeds	2		

Technical Specifications

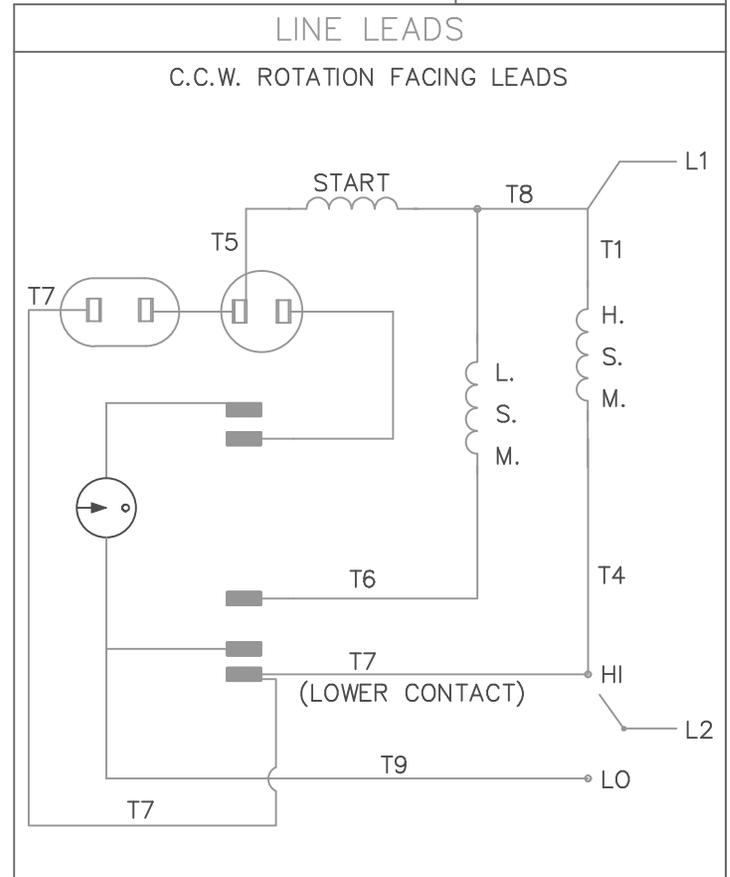
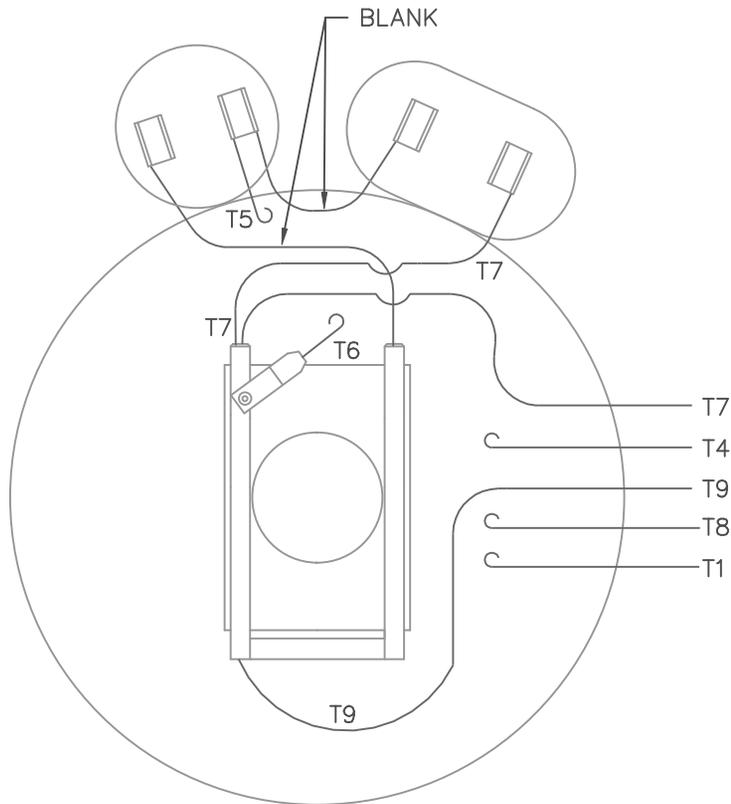
Electrical Type	Capacitor Start Capacitor Run	Starting Method	Across The Line
Poles	4//6	Rotation	Selective Counterclockwise
Resistance Main	0 Ohms	Mounting	Resilient Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 56	Overall Length	12.82 in
Frame Length	7.00 in	Shaft Diameter	0.625 in
Shaft Extension	1.88 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	005228.01	Outline Drawing	028757-700B



DASH NO.	"C"	"AD"	CAP. DASH	"XO"
600	11.82	5.95	A	1.08
650	12.32	6.45	B	1.42
700	12.82	6.95	C	1.69
750	13.32	7.45		
800	13.82	7.95		

				TOLERANCES UNLESS SPECIFIED		REGAL-BELOIT CORPORATION		DRAWN RVD 08/08/06	
				DEC.	INCHES	REGAL-BELOIT CORPORATION		CHK UJM 08/08/06	
				.X	±.1	APPD		SCALE 1=2	
				.XX	±.03	TITLE		REF 028747	
				.XXX	±.005	OUTLINE - 56H FRAME		FMF	
				.XXXX	±.0005	DRIP PROOF - RESILIENT		PREV	
02	ADDED MYLAR NAMEPLATE & DECALS	AP	8/30/22	PP	.XXXX	GENERAL PURPOSE		RFP	
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"	FINISH		CAD FILE 028757	
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	DRAWING NO.		SIZE B		REV. 02
				DIST	028757		028757		02

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



ROTATION FACING LEAD END	L1	L2	
		HI SPEED	LOW SPEED
C.C.W.	T1,T8	T4,T7	T9
C.W.	T4,T8	T1,T7	T9

				TOLERANCES UNLESS OTHERWISE SPECIFIED	
				DECIMALS	
07	CLARIFIED BLANK LEADS PER ASSY	SAW	11/12/98	.00	± .01
06	REDRAWN ON CAD	KH DBT	06/09/97	.000	± .005
NO.	REVISION	BY	DATE	FRACTIONS	± 1/64
				ANGLES	± 1/2°
				INCH/MM	

LEESON ELECTRIC CORPORATION					
DRAWN PG 07/10/85		TITLE EXTERNAL WIRING DIAGRAM			
CH'K'D. TEM		TYPE "K" W/O PROTECTOR			
APPR. 07/18/85		MAT'L. DECAL - 080092			
SCALE 1=1		SINGLE VOLT - DUAL ROT. - DUAL SPEED			
REF. 005209		FINISH GENERAL	SIZE A	DRAWING NO.	
FMF 85624D1		SLICING		005228-01	

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

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 005228.01
OUTLINE: 028757-700B
WINDING #: K63(4-6)15 DR 2 A

CATALOG #: 113373.00
MOUNTING: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1&7/16	0.75&0.33	1200	1725&1140	56H	DP	K	NO DESIGN CODE

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60/60	230&230	6.5&4.6	ACROSS THE LINE	CONTINUOUS	F4	1.0/1.0	40

FULL LOAD EFF:	69&53	3/4 LOAD EFF:	50.3	1/2 LOAD EFF:	43	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	76&59	3/4 LOAD PF:	51.6	1/2 LOAD PF:	42.9	63.5		CAP START CAP RUN	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
2 LB-FT	39	6.8 LB-FT 340 %	3.6 LB-FT 180 %	61

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
- dBA	- dBA	0.135 LB-FT^2	- LB-FT^2	10 SEC.	0	42 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	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	NOT	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



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

CERTIFICATION DATA SHEET

CUSTOMER:
ORDER #:
CONN. DIAGRAM: 005228.01
OUTLINE: 028757-700B
WINDING #: K63(4-6)15 DR 2 A

CUSTOMER PO#:
CATALOG #:
CUSTOMER PART #:
MOUNTING: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1&7/16	0.75&0.33	1800	1725&1140	56H	DP	K	NO DESIGN CODE

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60/60	230&230	6.5&4.6	ACROSS THE LINE	CONTINUOUS	F4	1.0/1.0	40

FULL LOAD EFF:	69&53	3/4 LOAD EFF:	65.8	1/2 LOAD EFF:	58	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	76&59	3/4 LOAD PF:	69.6	1/2 LOAD PF:	58.7	64		CAP START CAP RUN	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
3 LB-FT	39	6.8 LB-FT 227 %	8.6 LB-FT 287 %	61

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.135 LB-FT^2	0 LB-FT^2	10 SEC.	0	0 LBS.

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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	BALL	POLYREX EM	STANDARD 56	VERIFY	VERIFY	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

PREPARED BY: Dinesh
Suddula **DATE:**
03/22/2019 05:58:00 AM
FORM 3531 REV.3 02/07/99
** Subject to change without
notice.



LEESON ELECTRIC CORPORATION
 TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 113373.00

Curve at 230
60
1

Volts
 HZ
 HP

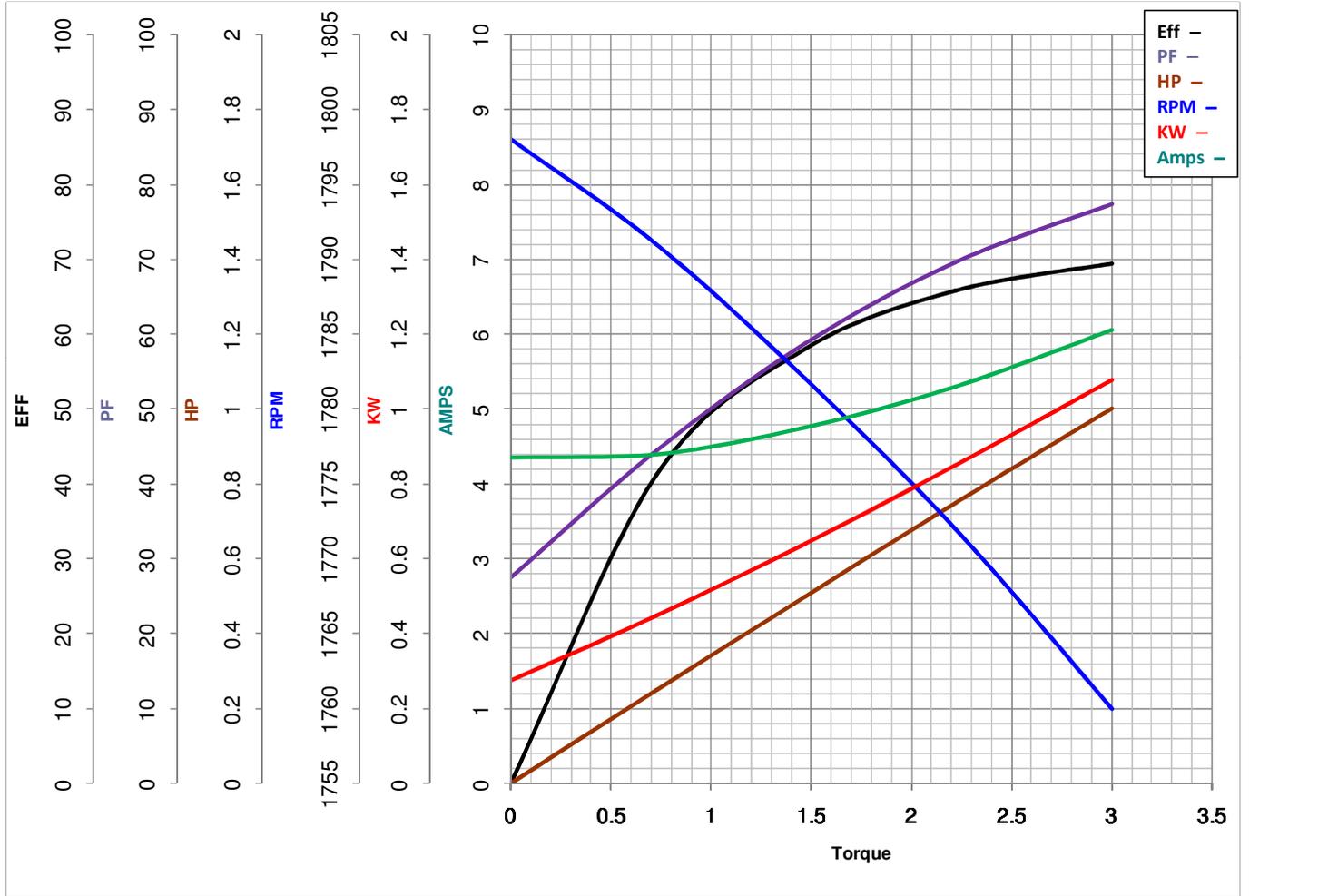
HP 1&0.4375
 VOLTS 230&230

PHASE 1

Catalog No 113373.00

HZ 60&60

RPM 1725&1140



Torque in Lb.Ft

FL TORQUE 3 Lb.Ft
 BD TORQUE 8.6 Lb.Ft
 LR TORQUE 6.8 Lb.Ft

FL AMPS 6.5
 PU TORQUE 5.9 Lb.Ft
 LR AMPS 3.9

WINDING K63(4-6)15-2

Date 5/2/2018