

# PRODUCT INFORMATION PACKET



Model No: 131599.00  
Catalog No: 131599.00  
2 HP Special Voltage Motor, 1 phase, 1500 RPM, 220 V, 182TC Frame, TEFC  
Special Voltage Motors



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### Nameplate Specifications

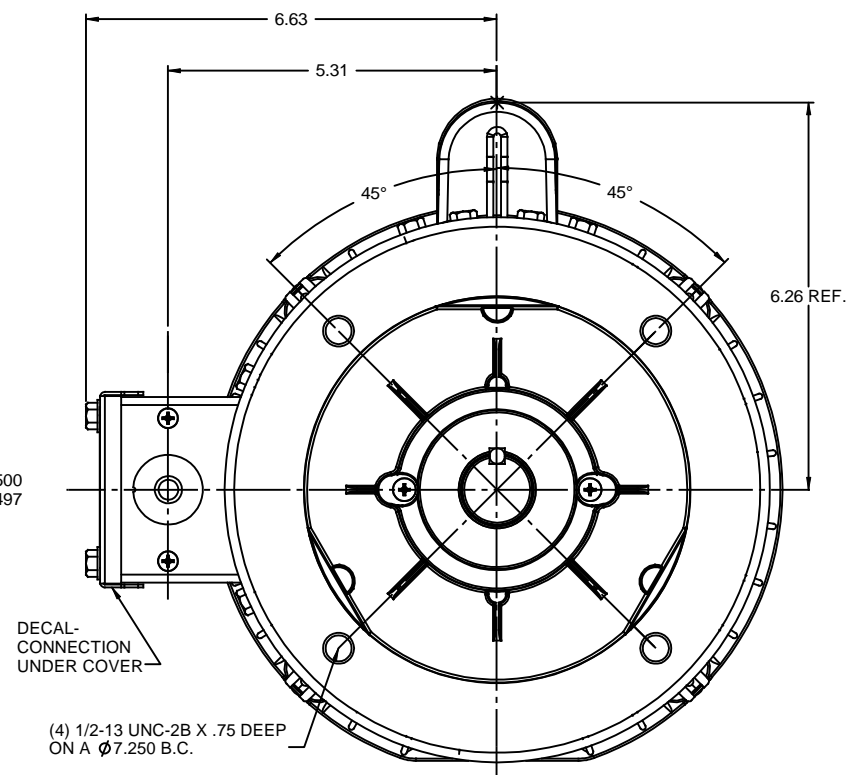
Output HP	2 Hp	Output KW	1.5 kW
Frequency	50 Hz	Voltage	220 V
Current	12.0 A	Speed	1440 rpm
Service Factor	1	Phase	1
Efficiency	70 %	Power Factor	75.6
Duty	Continuous	Insulation Class	F
Design Code	No Design Code	KVA Code	H
Frame	182TC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Manual	Ambient Temperature	40 °C
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6205
UL	Recognized	CSA	Y
CE	Y	IP Code	54
Number of Speeds	1		

### Technical Specifications

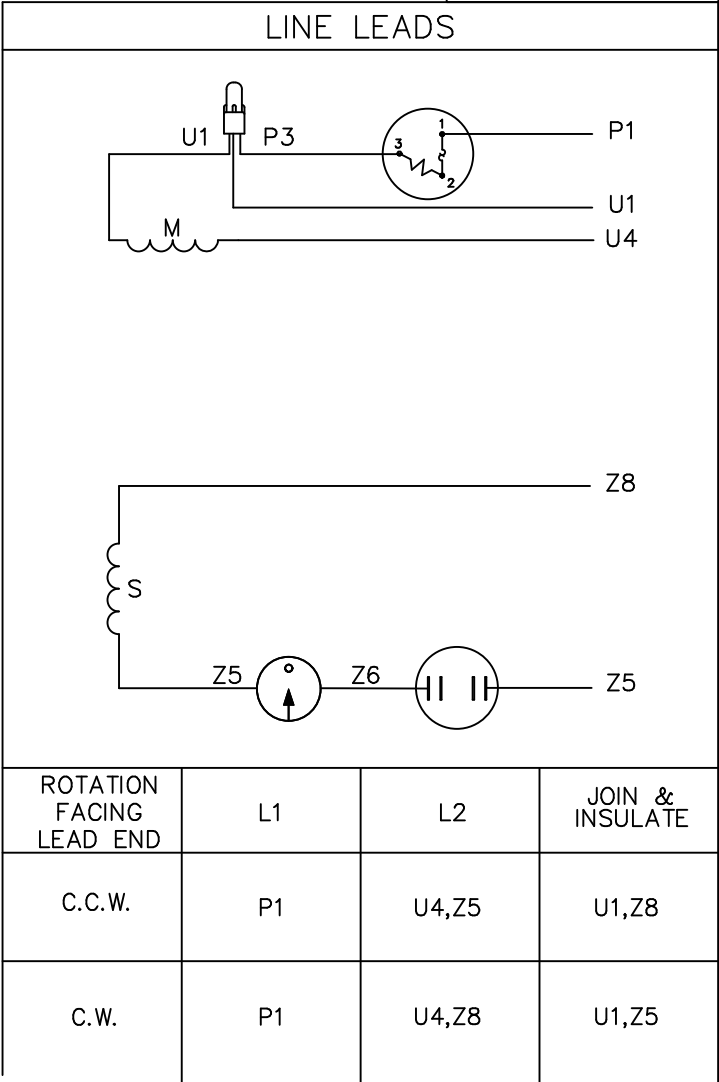
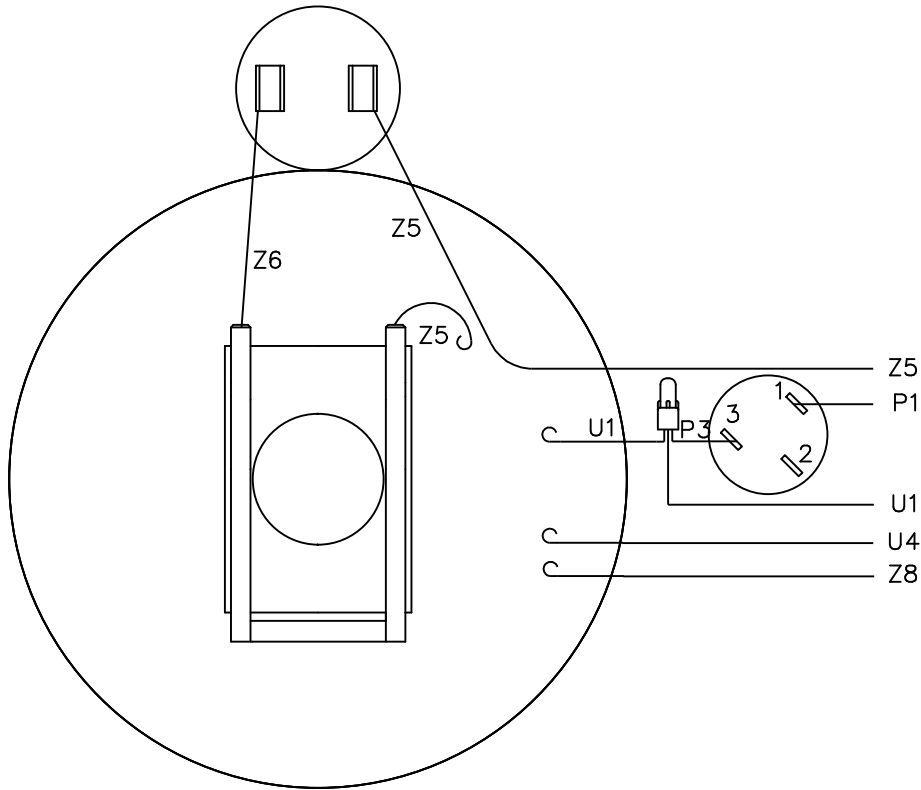
Electrical Type	Capacitor Start Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Resistance Main	0 Ohms	Mounting	Round
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	14.94 in
Frame Length	9.50 in	Shaft Diameter	1.125 in
Shaft Extension	2.75 in	Assembly/Box Mounting	F1 Only
Outline Drawing	035715-950	Connection Drawing	005410.02

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A diagram showing the front of the unit with a label that reads "LIFT WARNING".

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VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



				TOLERANCES UNLESS OTHERWISE SPECIFIED		LEESON ELECTRIC CORPORATION					
				DECIMALS							
				.00	± .01	DRAWN DBT 07/21/97	TITLE EXTERNAL WIRING DIAGRAM TYPE "C" W/PROTECTOR				
				.000	± .005	CH'K'D.					
				.0000	± .0005	APPR.	MAT'L. DECAL - 080682				
NO.	REVISION		BY	DATE	FRACTIONS	± 1/64					SCALE 1=1
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					ANGLES	± 1/2°	REF. 5	FINISH I.E.C.		SIZE A	DRAWING NO. 005410-02
					INCH/MM		FMF	MARKINGS			

ERROR: syntaxerror  
OFFENDING COMMAND: --nostringval--

STACK:

254  
/yacute  
253  
/udieresis  
252  
/ucircumflex  
251  
/uacute  
250  
/ugrave  
249  
/oslash  
248  
/divide  
247  
/odieresis  
246  
/otilde  
245  
/ocircumflex  
244  
/oacute  
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/igrave  
236  
/edieresis  
235  
/ecircumflex  
234  
/eacute  
233  
/egrave  
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/aring  
229  
/adieresis  
228  
/atilde  
227  
/acircumflex  
226  
/aacute  
225  
/agrave  
224  
/germandbls  
223  
/Thorn  
222  
/Yacute  
221  
/Udieresis



## CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: 005410.02

CATALOG #: 131599.00

OUTLINE: 035715-950

MOUNTING: F1 ONLY

WINDING #: C8425 FR 4 B

## TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
2	1.49	1500	1440	182TC	TEFC	H	NO DESIGN CODE

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	50	220	12	ACROSS THE LINE	CONTINUOUS	F4	1.0	40

FULL LOAD EFF:	70	3/4 LOAD EFF:	67.6	1/2 LOAD EFF:	62.6	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	75.6	3/4 LOAD PF:	67.7	1/2 LOAD PF:	55.9	66	CAP START IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
7.2 LB-FT	62.5	19.5 LB-FT 271 %	16 LB-FT 222 %	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	0.357 LB-FT^2	0.4 LB-FT^2	10 SEC.	0	73 LBS.

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

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	ROUND	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	AISI 1045 (C-240)	ROLLED STEEL
6206	6205						

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

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INVERTER TORQUE: NONE  
INV. HP SPEED RANGE: NONE

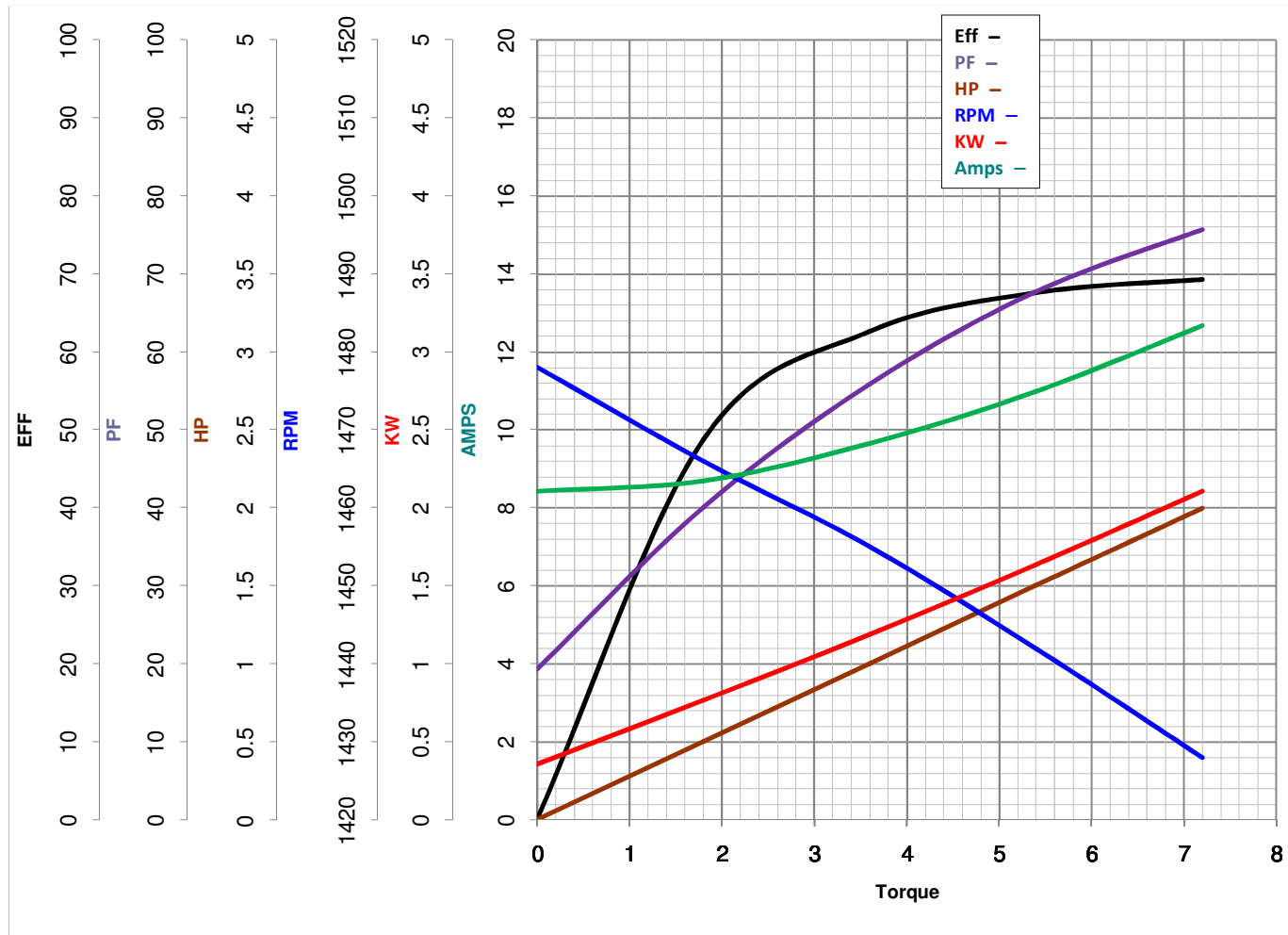
ENCODER: NONE  
NONE NONE  
NONE NONE PPR

BRAKE: NONE NONE  
NONE P/N NONE  
NONE NONE  
NONE FT-LB NONE V NONE Hz



# LEESON ELECTRIC CORPORATION

## TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 131599.00Curve at 220  
50  
2Volts  
HZ  
HPHP 2.00  
  
VOLTS 220PHASE 1Catalog No 131599.00HZ 50RPM 1440

Torque in lb-Ft

FL TORQUE 7.2 lb-Ft  
 BD TORQUE 16.0 lb-Ft  
 LR TORQUE 19.5 lb-Ft

FL AMPS 12  
 PU TORQUE 11.2 lb-Ft  
 LR AMPS 62.5

WINDING C8425-4

Date 4/24/2018