

PRODUCT INFORMATION PACKET



Model No: 131600.00
Catalog No: 131600.00
2 HP Special Voltage Motor, 1 phase, 1500 RPM, 220 V, 182T Frame, TEFC
Special Voltage Motors



Regal and Leeson are trademarks of Regal Rexnord Corporation or one of its affiliated companies.
©2021 Regal Rexnord Corporation, All Rights Reserved. MC017097E



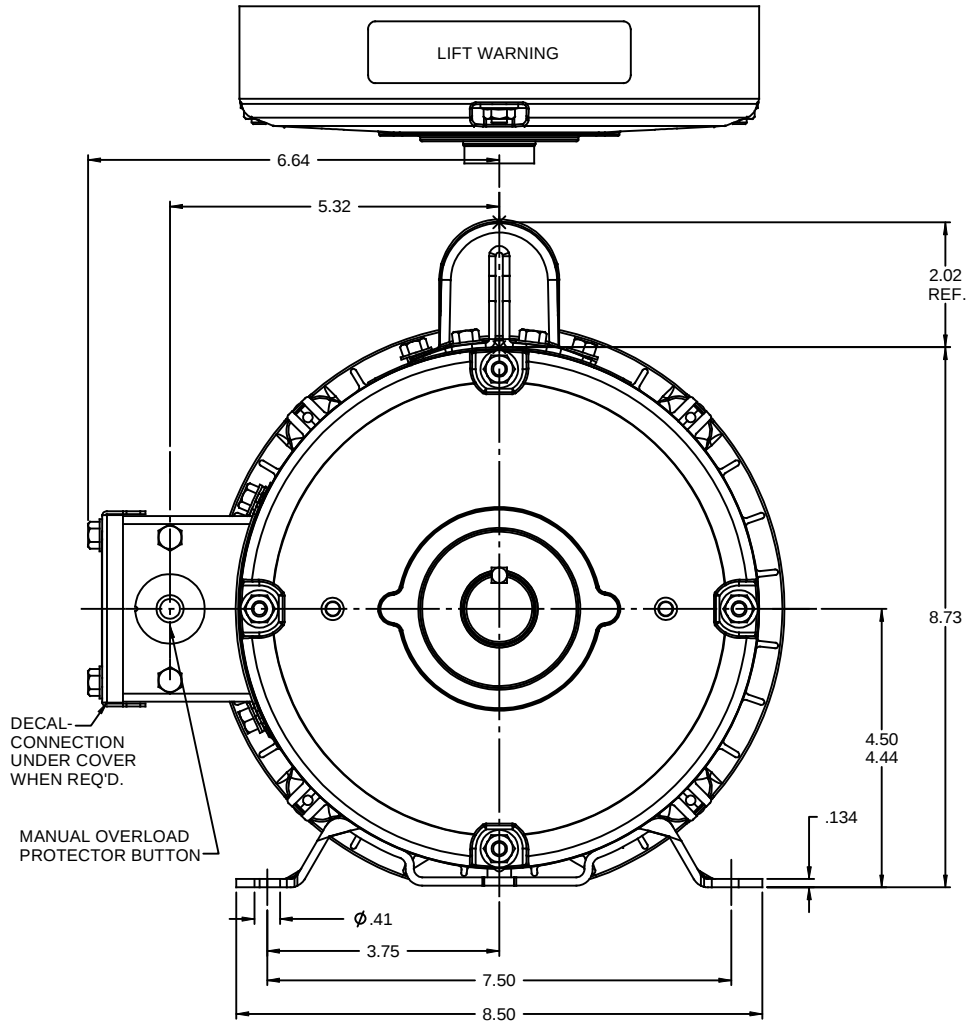
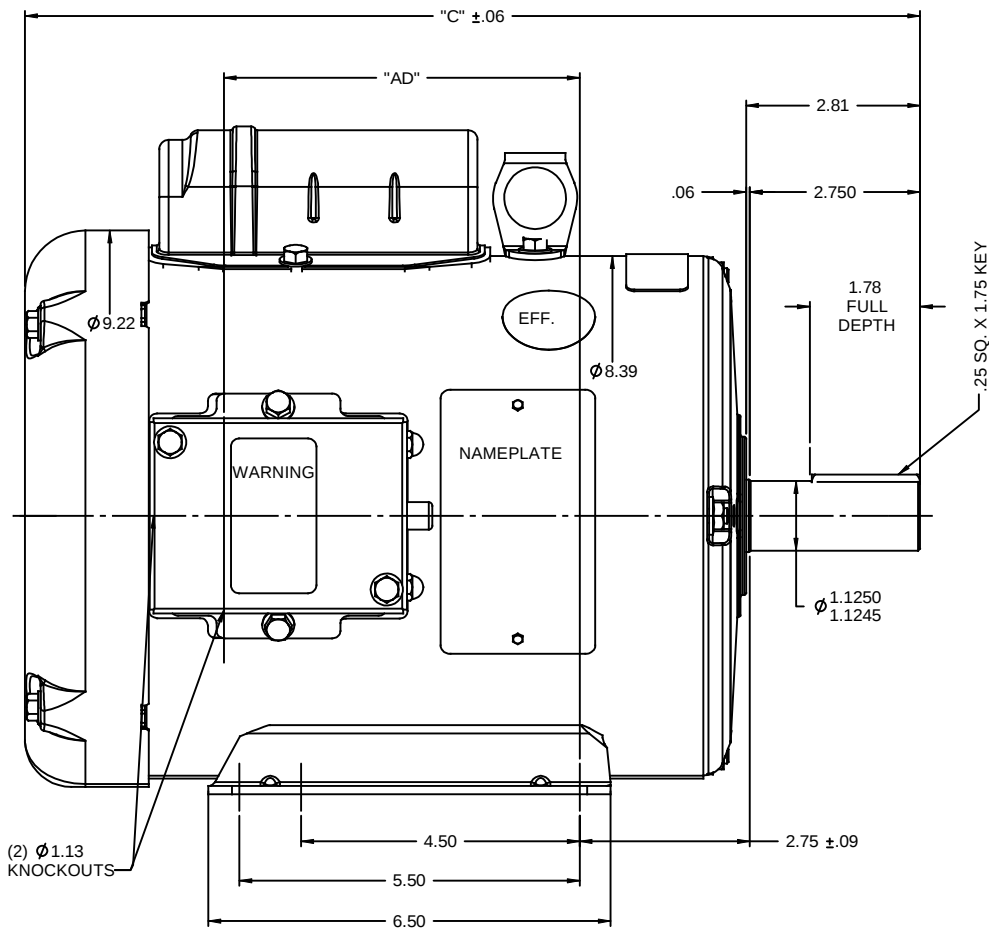
Nameplate Specifications

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	182T	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	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	14.96 in
Frame Length	9.50 in	Shaft Diameter	1.125 in
Shaft Extension	2.75 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	005410.02	Outline Drawing	035750-950

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:10/12/2021

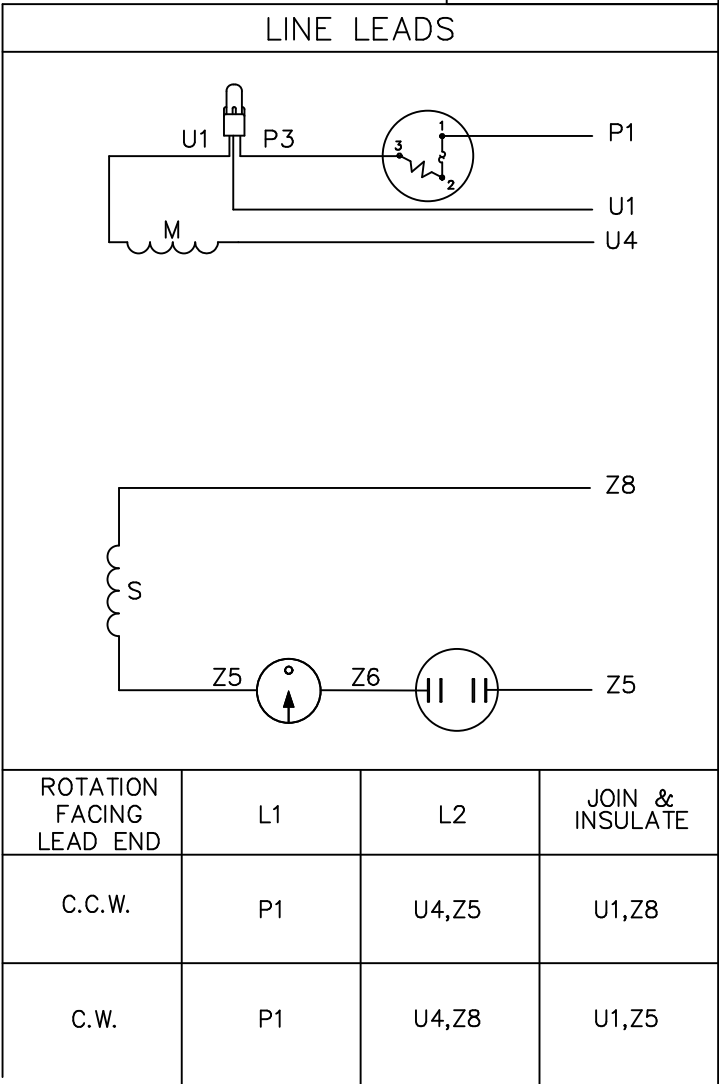
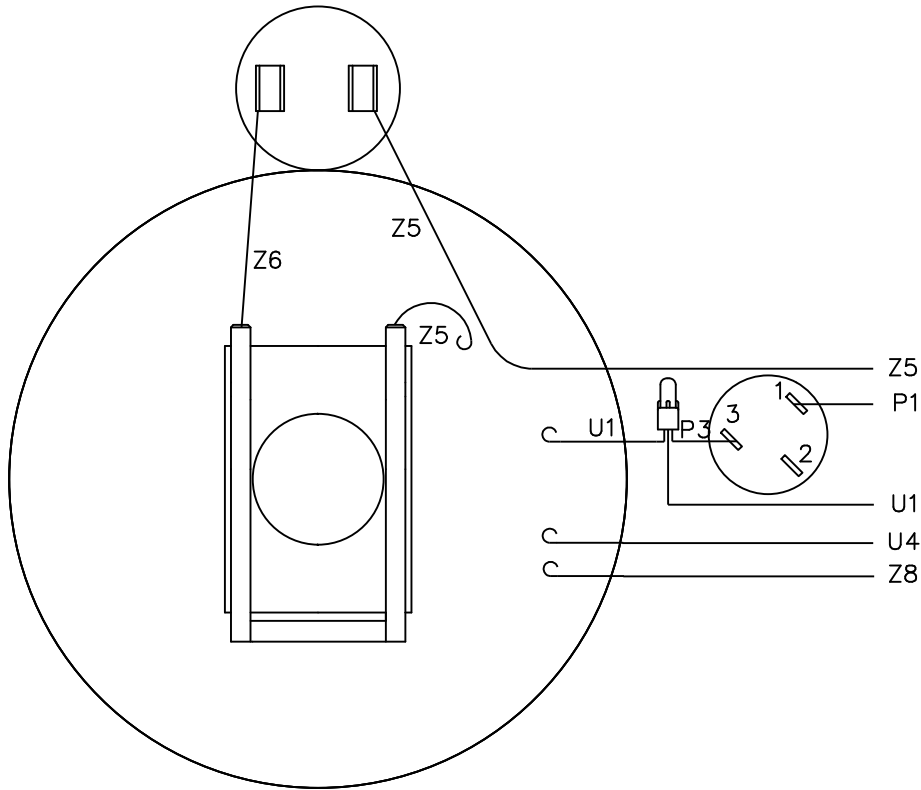


GASKETS THROUGHOUT

DASH NO.	"C"	"AD"
800	13.46	4.75
850	13.96	5.25
900	14.46	5.75
950	14.96	6.25
1000	15.46	6.75
1050	15.96	7.25
1100	16.46	7.75
1150	16.96	8.25

			TOLERANCES UNLESS SPECIFIED:		 REGAL-BELOIT CORPORATION	DRAWN LST 1/7/10	
			DEC	INCHES		CHK	
			X	±.1		APPR	
			XX	±.03		SCALE	1:2
			XXX	±.005		REF	
			XXXX	±.0005	MAT'L	FMF	
NO	REVISION	BY & DATE	CHK	ANG	±1/2"	FINISH	PAGE OF
			RFP			PREV	
THIRD ANGLE PROJECTION			NETWORK FILE NAME		SIZE	DRAWING NO	REV
					B	035750	

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
243
/ograve
242
/ntilde
241
/eth
240
/idieresis
239
/icircumflex
238
/iacute
237
/igrave
236
/edieresis
235
/ecircumflex
234
/eacute
233
/egrave
232
/ccedilla
231
/ae
230
/aring
229
/adieresis
228
/atilde
227
/acircumflex
226
/aacute
225
/agrave
224
/germandbls
223
/Thorn
222
/Yacute
221
/Udieresis



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

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 005410.02
OUTLINE: 035750-950
WINDING #: C8425 FR 4 B

CATALOG #: 131600.00

MOUNTING: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
2	1.49	1500	1440	182T	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	74 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						
6206	6205	POLYREX EM	T	NONE	NONE	AISI 1045 (C-240)	ROLLED STEEL

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



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

CERTIFICATION DATA SHEET

CUSTOMER:
ORDER #:
CONN. DIAGRAM: 005410.02
OUTLINE: 035750-950
WINDING #: C8425 FR 4 B

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

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
2	1.49	1500	1440	182T	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: 0	1/2 LOAD EFF: 0	GTD. EFF	ELEC. TYPE
FULL LOAD PF: 75.6	3/4 LOAD PF: 0	1/2 LOAD PF: 0	0	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
- dBA	- dBA	0.357 LB-FT^2	- LB-FT^2	10 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	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

*
N
O
T
E
S
*

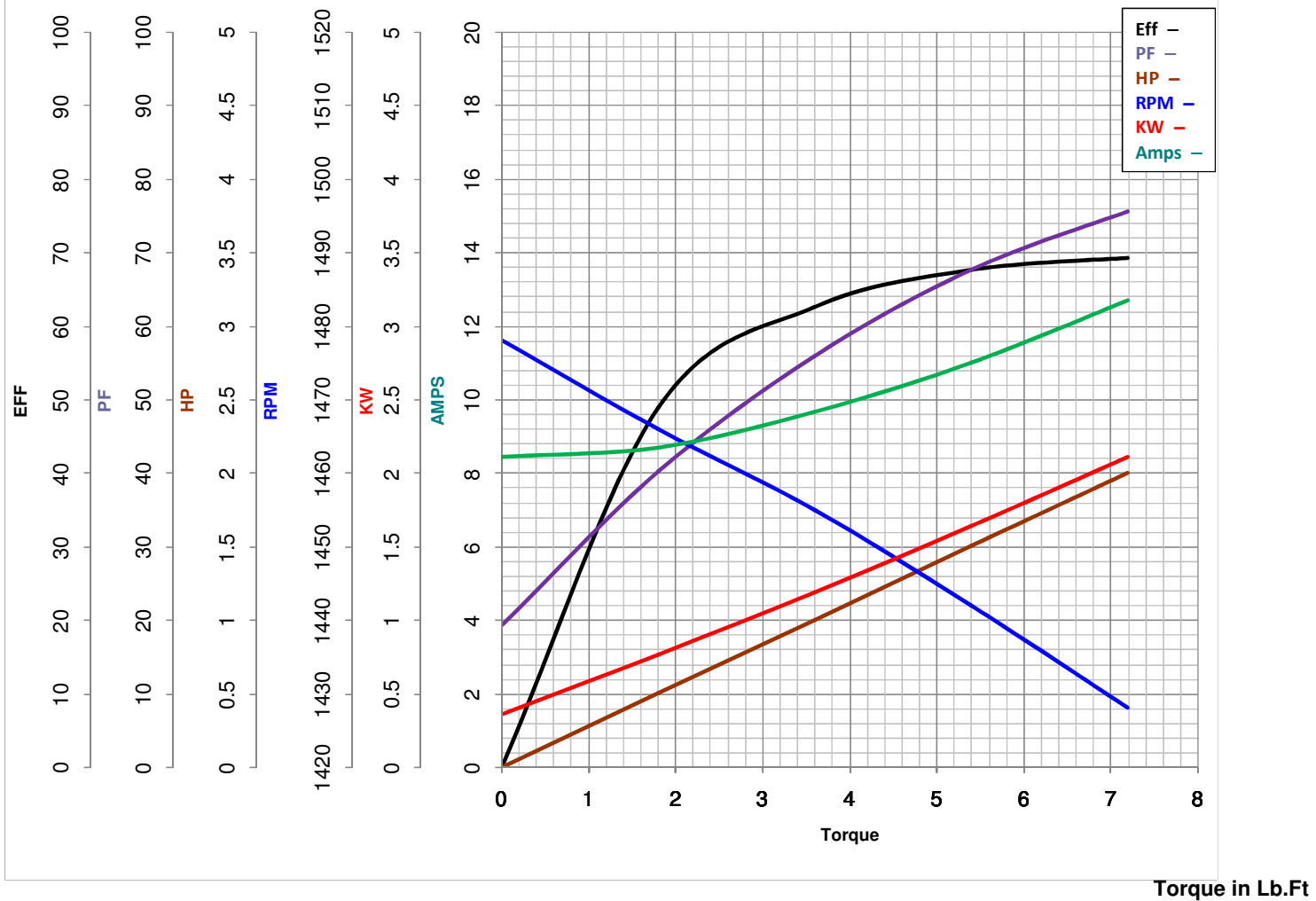
INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE
ENCODER: NONE
NONE NONE
NONE NONE PPR
BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz

PREPARED BY: Dinesh
Suddula **DATE:**
02/22/2019 03:23:43 AM
FORM 3531 REV.3 02/07/99
** Subject to change without
notice.

Model No 131600.00Catalog No 131600.00

LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Curve at 220
50
2Volts
HZ
HPHP 2.00VOLTS 220HZ 50PHASE 1RPM 1440

FL TORQUE 7.2 Lb.Ft
 BD TORQUE 16.0 Lb.Ft
 LR TORQUE 19.5 Lb.Ft

WINDING C8425-4

FL AMPS 12
 PU TORQUE 11.2 Lb.Ft
 LR AMPS 62.5

Date 5/17/2018