

PRODUCT INFORMATION PACKET



Model No: 131630.00
Catalog No: 131630.00
Pressure Washer Motor, 5 HP, 1 Ph, 60 Hz, 208-230 V, 1800 RPM, 184TC Frame, DP



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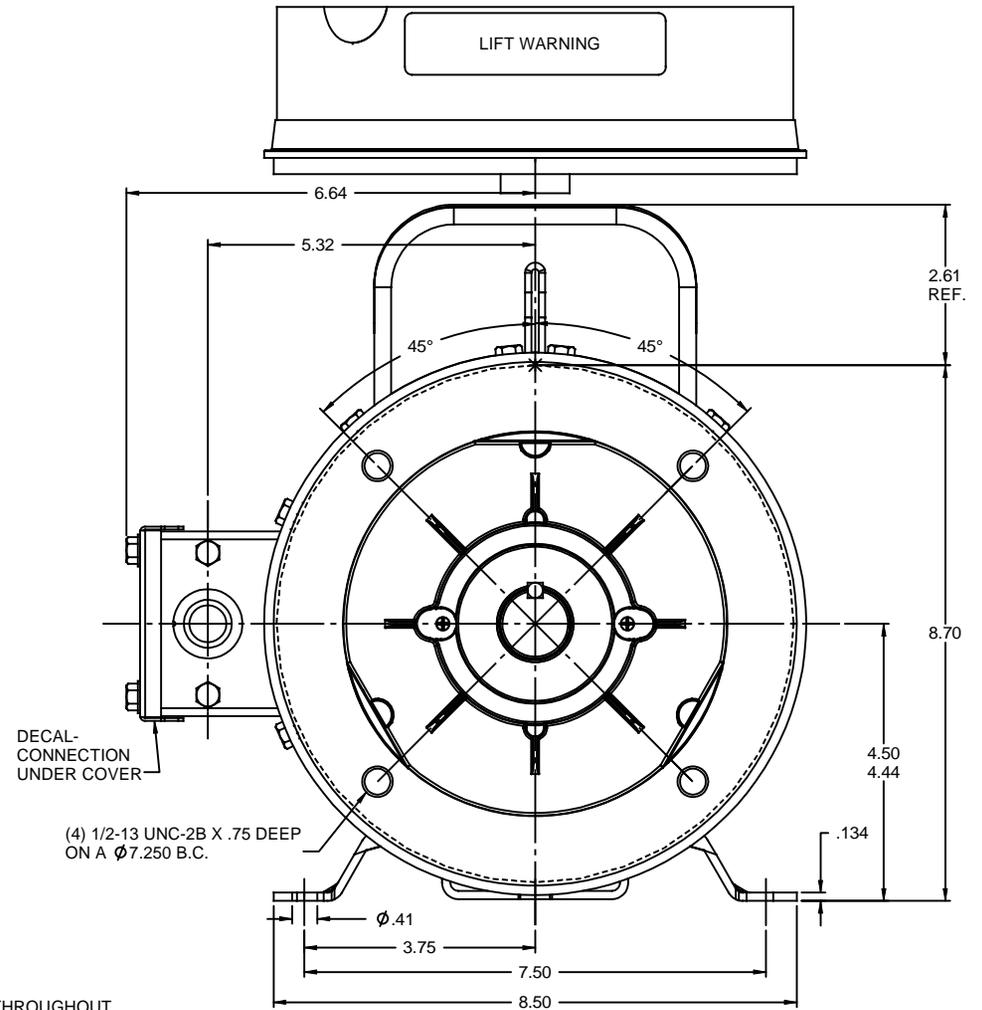
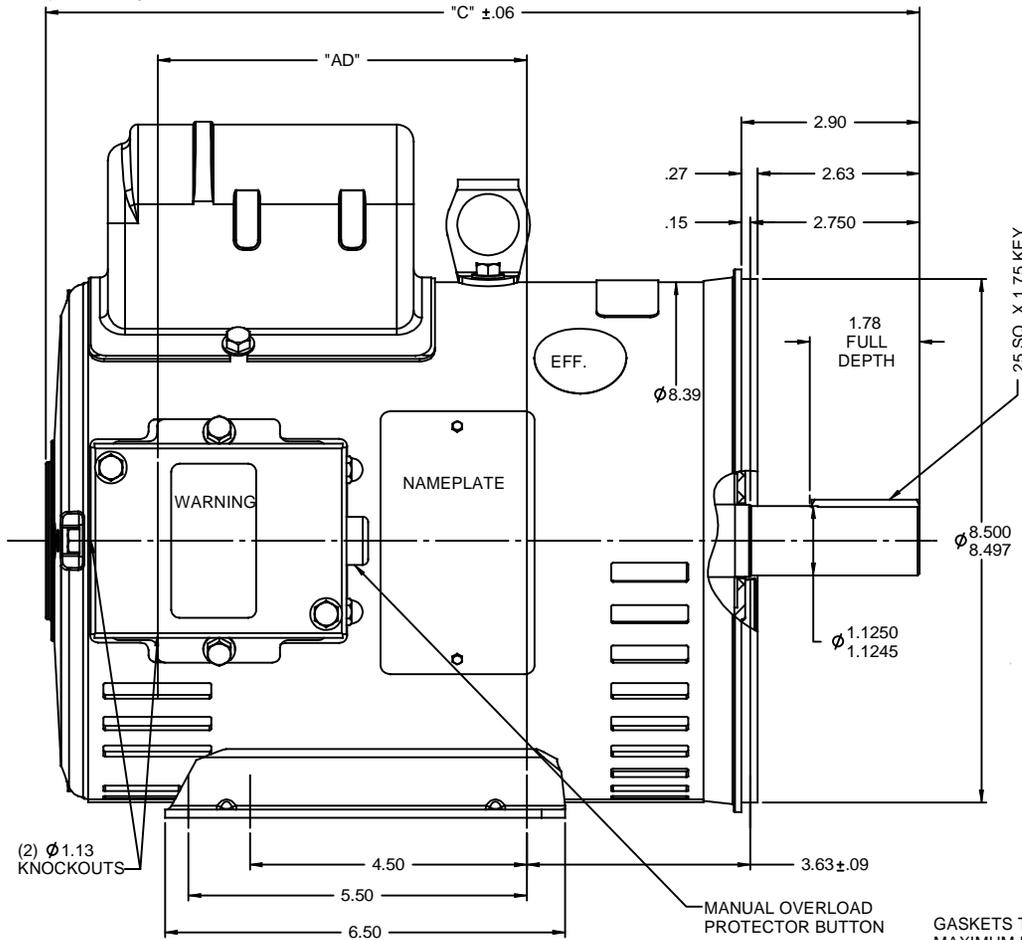
Nameplate Specifications

Phase	1	Output HP	5 Hp
Output KW	3.7 kW	Voltage	208-230 V
Speed	1740 rpm	Service Factor	1.15
Frame	184TC	Enclosure	Drip Proof
Thermal Protection	Manual	Efficiency	83 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	23.0-21.0 A	Power Factor	94
Duty	Continuous	Insulation Class	F
Design Code	L	KVA Code	H
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6205
UL	Recognized	CSA	Y
CE	N	IP Code	22
Number of Speeds	1		

Technical Specifications

Electrical Type	Capacitor Start Capacitor Run	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Resistance Main	.48 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	14.70 in
Frame Length	10.50 in	Shaft Diameter	1.125 in
Shaft Extension	2.75 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	035373-1050	Connection Drawing	005056.03

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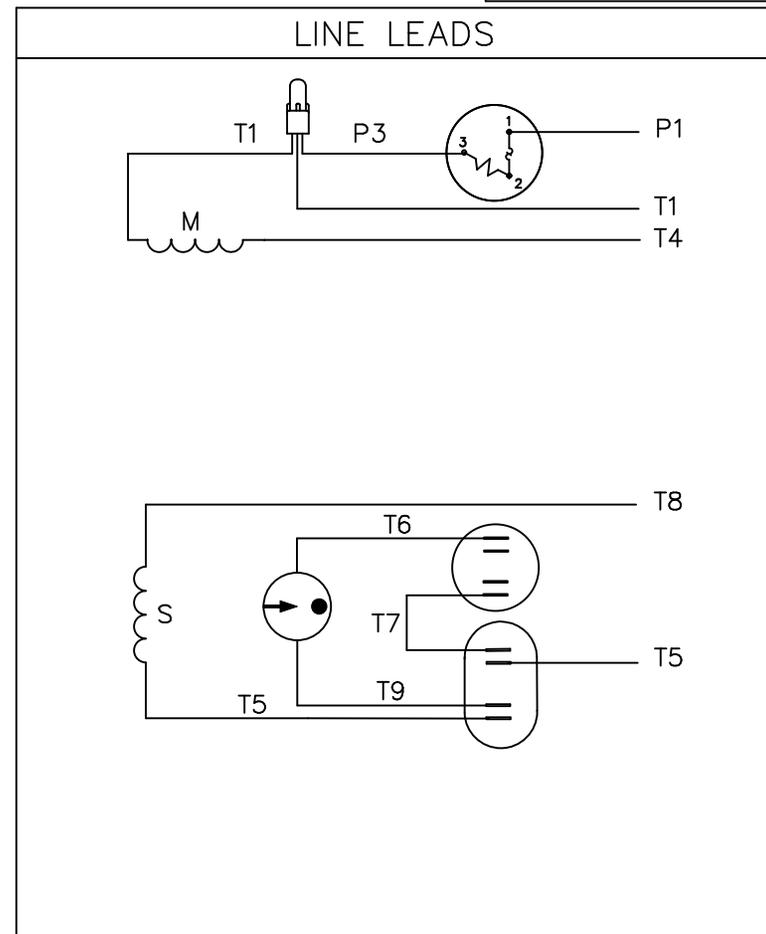
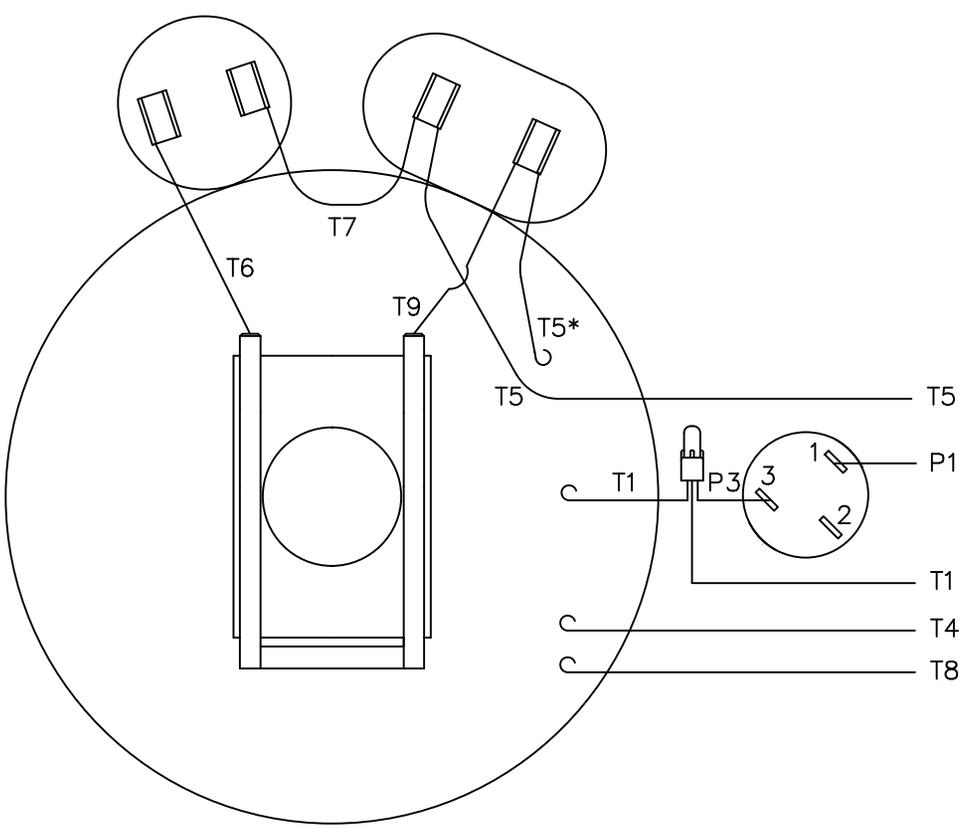


GASKETS THROUGHOUT
 MAXIMUM FACE RUNOUT TO BE .004 T.I.R.
 MAXIMUM PILOT ECCENTRICITY TO BE .004 T.I.R.
 PERMISSIBLE SHAFT RUNOUT TO BE .002 T.I.R.

DASH NO.	"C"	"AD"
900	13.20	5.00
950	13.70	5.50
1000	14.20	6.00
1050	14.70	6.50
1100	15.20	7.00
1150	15.70	7.50
1200	16.20	8.00
1250	16.70	8.50

REVISION		BY & DATE	CHK	ANG	FINISH	PREV	SIZE	DRAWING NO	REV
- UPDATED & REDRAWN ON SOLIDWORKS		LST 11/16/2009	XX	XXX	±.0005				
REVISION		BY & DATE	CHK	ANG	±1/2°	FINISH	RFP	PREV	
THIRD ANGLE PROJECTION									
TOLERANCES UNLESS SPECIFIED:									
DEC INCHES									
X ±.1									
.XX ±.03									
.XXX ±.005									
- .XXXX ±.0005									
TITLE									
OUTLINE - 180TC FRAME									
DRIP PROOF - RIGID "C" FACE									
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VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



ROTATION FACING LEAD END	L1	L2	JOIN
C.C.W.	P1	T4, T5	T1, T8
C.W.	P1	T4, T8	T1, T5

* THIS LEAD MAY BE WHITE

				TOLERANCES UNLESS SPECIFIED				DRAWN LST 9/9/03		
				DEC.	INCHES			CHK KH 9/9/03		
				.X	±.1			APPD		
				.XX	±.01			SCALE 1=1		
				.XXX	±.005			REF		
				.XXXX	±.0005	MAT'L. DECAL - 004015		FMF 139045		
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	CAD FILE 00505603ME		SIZE	DRAWING NO.		REV.
				DIST	BRF-NLV		A	005056-03ME		



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

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 005056.03
OUTLINE: 035373-1050
WINDING #: K8450 DR 2 A

CATALOG #: 131630.00
MOUNTING: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
5	3.70	1800	1740	184TC	DP	H	L

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	208-230	23-21	ACROSS THE LINE	CONTINUOUS	F4	1.15	40

FULL LOAD EFF:	83	3/4 LOAD EFF:	81.9	1/2 LOAD EFF:	77.2	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	94	3/4 LOAD PF:	93.5	1/2 LOAD PF:	89.6	80	CAP START CAP RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
15 LB-FT	138	41.1 LB-FT 242 %	32.5 LB-FT 191 %	72

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
62 dBA	72 dBA	0.46 LB-FT^2	0.5 LB-FT^2	10 SEC.	0	80 LBS.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	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

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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



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WINDING #: K8450 DR 2 A

CUSTOMER PO#:
CATALOG #:
CUSTOMER PART #:
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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:**
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PH. 262-377-8810**

CERTIFICATION DATA SHEET

CUSTOMER:
ORDER #:
CONN. DIAGRAM: 005056.03
OUTLINE: 035373-1050
WINDING #: K8450 DR 2 A

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

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HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
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PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
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	BRAKE: NONE NONE NONE P/N NONE NONE NONE NONE FT-LB NONE V NONE Hz

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ORDER #:
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WINDING #: K8450 DR 2 A

CUSTOMER PO#:
CATALOG #:
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MOUNTING: F1 ONLY

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CUSTOMER:
ORDER #:
CONN. DIAGRAM: 005056.03
OUTLINE: 035373-1050
WINDING #: K8450 DR 2 A

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

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CERTIFICATION DATA SHEET

CUSTOMER:
ORDER #:
CONN. DIAGRAM: 005056.03
OUTLINE: 035373-1050
WINDING #: K8450 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
5	3.70	1800	1740	184TC	DP	H	L

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	208-230	23-21	ACROSS THE LINE	CONTINUOUS	F4	1.15	40

FULL LOAD EFF:	83	3/4 LOAD EFF:	83.7	1/2 LOAD EFF:	77.2	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	94	3/4 LOAD PF:	95.4	1/2 LOAD PF:	89.6	80	CAP START CAP RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
15 LB-FT	138	41.1 LB-FT 242 %	32.5 LB-FT 191 %	72

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
62 dBA	72 dBA	0.46 LB-FT^2	0.5 LB-FT^2	10 SEC.	0	0 LBS.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	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:**
02/27/2019 01:20:55 AM
FORM 3531 REV.3 02/07/99
** Subject to change without
notice.



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

CERTIFICATION DATA SHEET

CUSTOMER:
ORDER #:
CONN. DIAGRAM: 005056.03
OUTLINE: 035373-1050
WINDING #: K8450 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
5	3.70	1800	1740	184TC	DP	H	L

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	208-230	23-21	ACROSS THE LINE	CONTINUOUS	F4	1.15	40

FULL LOAD EFF:	83	3/4 LOAD EFF:	83.7	1/2 LOAD EFF:	83	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	94	3/4 LOAD PF:	95.4	1/2 LOAD PF:	94.5	80	CAP START CAP RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
15 LB-FT	138	41.1 LB-FT 242 %	32.5 LB-FT 191 %	72

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***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	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			
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* N O T E S *	INVERTER TORQUE: NONE
	INV. HP SPEED RANGE: NONE
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5	3.70	1800	1740	184TC	DP	H	L

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	208-230	23-21	ACROSS THE LINE	CONTINUOUS	F4	1.15	40

FULL LOAD EFF:	83	3/4 LOAD EFF:	81.9	1/2 LOAD EFF:	83	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	94	3/4 LOAD PF:	93.5	1/2 LOAD PF:	94.5	80	CAP START CAP RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
15 LB-FT	138	41.1 LB-FT 242 %	32.5 LB-FT 191 %	72

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BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
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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:**
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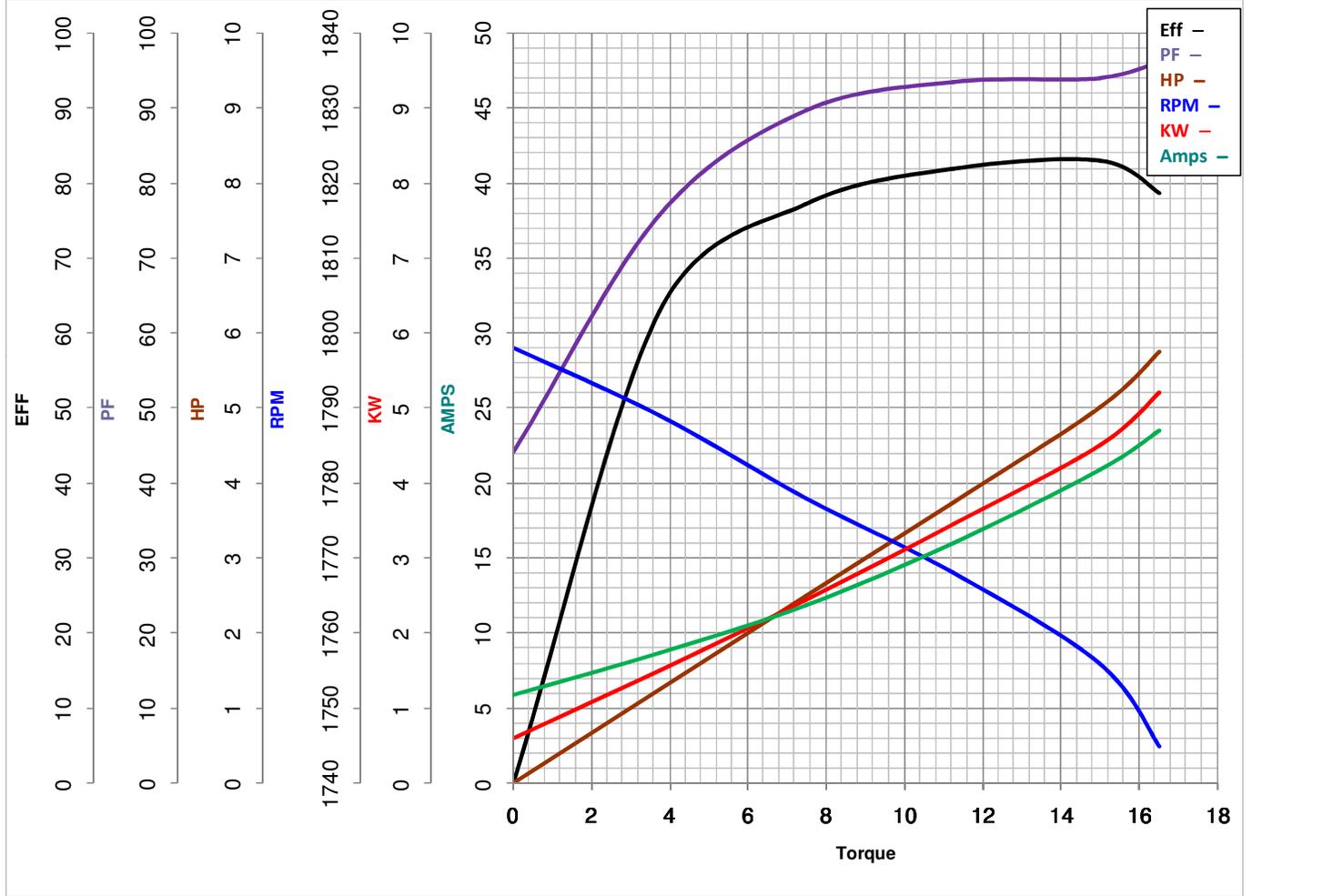
LEESON ELECTRIC CORPORATION
TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 131630.00

Catalog No 131630.00

Curve at 230 Volts HP 5.00 PHASE 1
60 HZ
5 HP VOLTS 208-230

HZ 60 RPM 1740



Torque in Lb.Ft

FL TORQUE 15 Lb.Ft
BD TORQUE 32.5 Lb.Ft
LR TORQUE 41.1 Lb.Ft

FL AMPS 23-21
PU TORQUE 28.9 Lb.Ft
LR AMPS 138

WINDING K8450-2

Date 3/27/2018