

PRODUCT INFORMATION PACKET



Model No: 131537.00

Catalog No: 131537.00

Air Compressor Motor, 5 HP, 1 Ph, 60 Hz, 208-230 V, 1800 RPM, 184T Frame, DP



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Nameplate Specifications

Output HP	5 Hp	Output KW	3.7 kW
Frequency	60 Hz	Voltage	208-230 V
Current	23.0-21.0 A	Speed	1740 rpm
Service Factor	1.15	Phase	1
Efficiency	83 %	Power Factor	94
Duty	Continuous	Insulation Class	F
Design Code	L	KVA Code	H
Frame	184T	Enclosure	Drip Proof
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6205
UL	Recognized	CSA	Y
CE	N	IP Code	12
Number of Speeds	1		

Technical Specifications

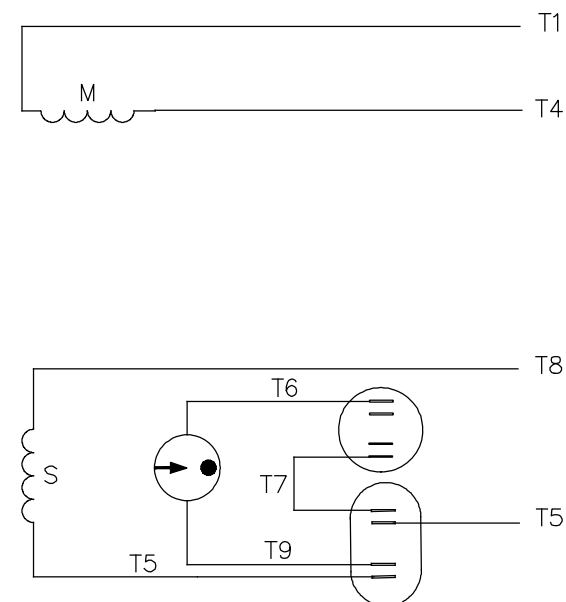
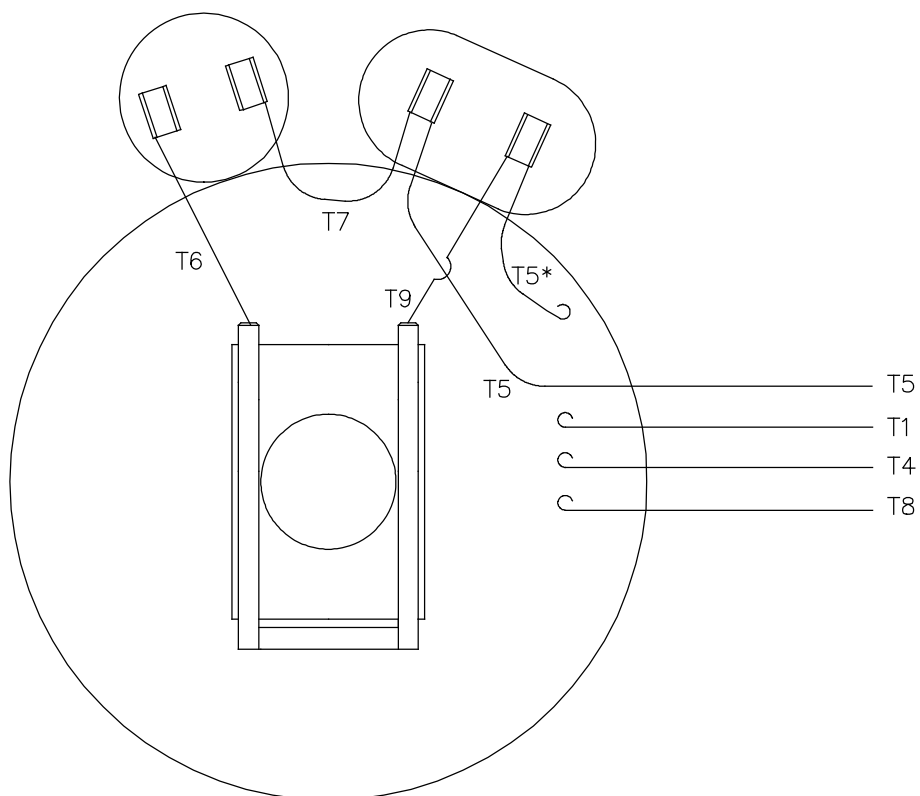
Electrical Type	Capacitor Start Capacitor Run	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Resistance Main	.48 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	14.69 in
Frame Length	10.50 in	Shaft Diameter	1.125 in
Shaft Extension	2.75 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	005018.01	Outline Drawing	035370-1050



DASH NO.	"C"	"AD"
900	13.19	5.75
950	13.69	6.25
1000	14.19	6.75
1050	14.69	7.25
1100	15.19	7.75
1150	15.69	8.25
1200	16.19	8.75
1250	16.69	9.25

DRAWING REVISION E		REVISION BY NK		DATE 8/28/18		TOLERANCES UNLESS OTHERWISE SPECIFIED:				DRAWN BY PG		Regal Beloit America, Inc.					
ECO ECO-0151575		APPROVED BY SR		DATE 8/28/18		DEC. INCH mm ANGLE .X ±0.1 [±2.5] ±0.5° .XX ±0.01 [±0.25] .XXX ±0.005 [±0.127] .XXXX ±0.0005 [±0.0127]				DATE 10/02/97							
ECO DESCRIPTION WHEN REQ'D NOTE ADDED						REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381] X 45 ° CORNER FILLETS: R.02 [.51] MACHINED SURFACES: 125 √ 3.2 / INCH √ mm mm SHOWN IN [BRACKETS]				APPROVED BY		DESCRIPTION OUTLINE DRIP PROOF - RIGID MOUNT					
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												THIRD ANGLE PROJECTION				SIZE B	DRAWING NUMBER 035370

LINE LEADS



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

* THIS LEAD MAY BE WHITE

				TOLERANCES UNLESS SPECIFIED		 Regal Beloit America, Inc.	DRAWN ADH 02/19/74	
				DEC.	INCHES		CHK WRK 02/20/74	
21	LOGO UPDATED FROM LEESON TO MARATHON	AS 07/03/19	AS .X	±.1	APPD JCW 02/20/74			
20	ALTERNATE T5 LEAD MARKING WAS RED	RLW 7/22/02	KH .XX	±.01	TITLE EXTERNAL WIRING DIAGRAM TYPE "K" W/O PROTECTOR	SCALE 1=1		
19	ADDED ALTERNATE T5 LEAD MARKING	RLW 5/31/02	KH .XXX	±.005		REF		
18	REDRAWN ON CAD	DBT 06/24/97	.XXXX	±.0005	MAT'L. DECAL - 004018	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		CAD FILE 00501801	SIZE A	DRAWING NO. 005018-01	REV 21
			DIST BRF-NLV					



CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: 005018.01

CATALOG #: 131537.00

OUTLINE: 035370-1050

MOUNTING: F1 ONLY

WINDING #: K8450 DR 2 A

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
5	3.73	1800	1740	184T	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	86 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	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

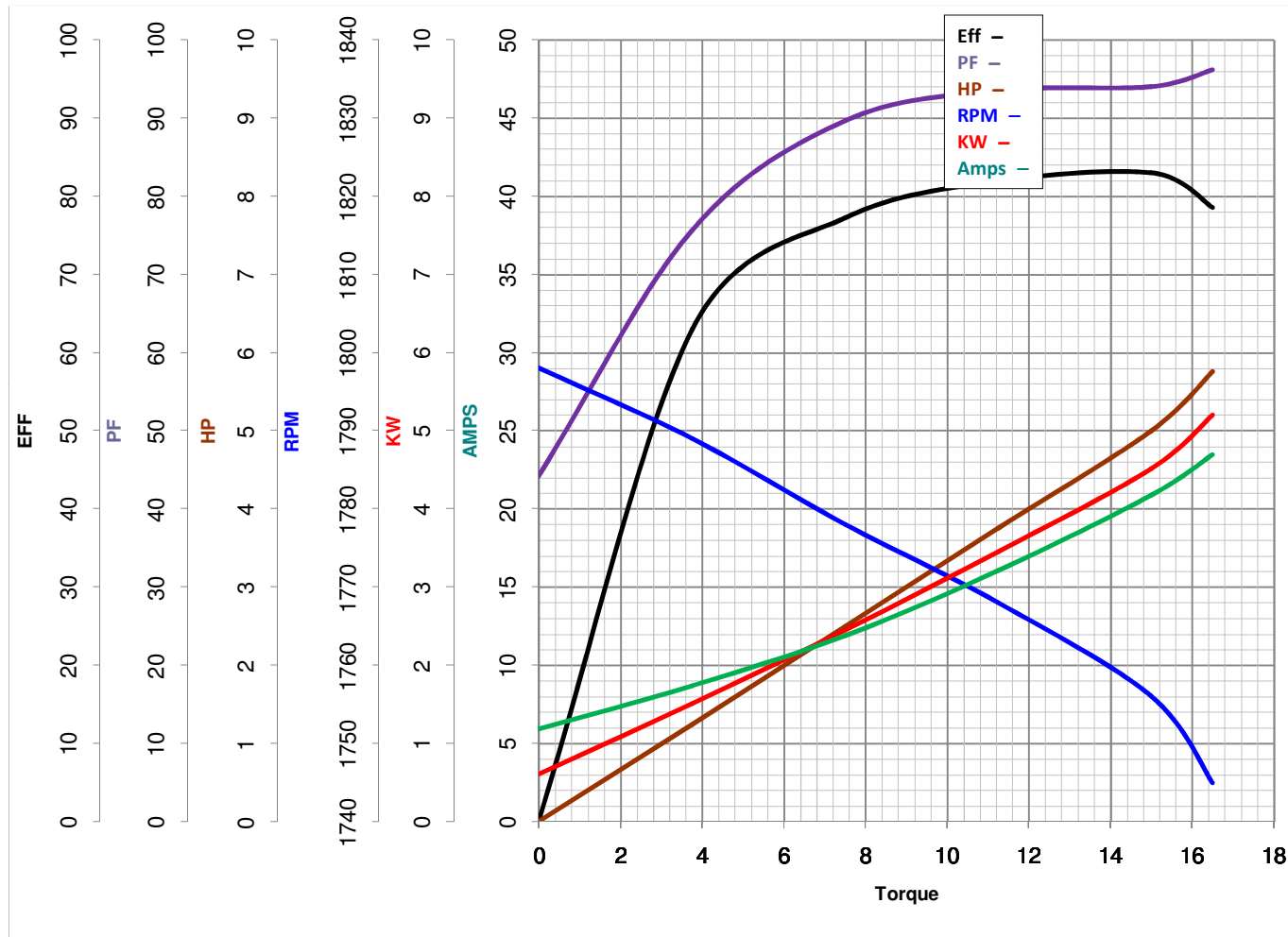


LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 131537.00

Curve at

230
60
5Volts
HZ
HPHP 5.00PHASE 1VOLTS 208-230Catalog No 131537.00HZ 60RPM 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 3/26/2018