

PRODUCT INFORMATION PACKET



Model No: 131605.00

Catalog No: 131605.00

5 HP Close-Coupled Pump Motor, 1 phase, 1800 RPM, 208-230 V, 184JM Frame, ODP
Close-Coupled Pump Motors



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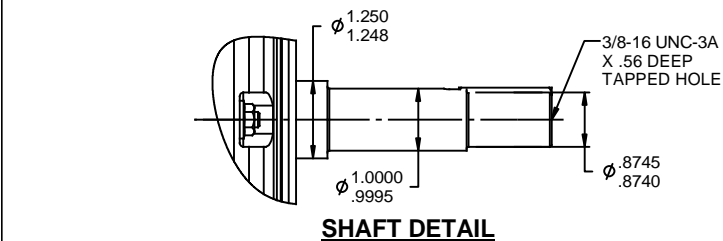


Nameplate Specifications

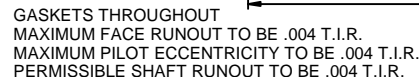
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|------------------------|-------------|----------------------------|------------|
| Output HP | 5 Hp | Output KW | 3.7 kW |
| Frequency | 60 Hz | Voltage | 208-230 V |
| Current | 23.0-21.0 A | Speed | 1740 rpm |
| Service Factor | 1.15 | Phase | 1 |
| Efficiency | 83 % | Power Factor | 94 |
| Duty | Continuous | Insulation Class | F |
| Design Code | L | KVA Code | H |
| Frame | 184JM | Enclosure | Drip Proof |
| Thermal Protection | No | Ambient Temperature | 40 °C |
| Drive End Bearing Size | 6207 | Opp Drive End Bearing Size | 6205 |
| UL | Recognized | CSA | Y |
| CE | N | IP Code | 22 |
| Number of Speeds | 1 | | |

Technical Specifications

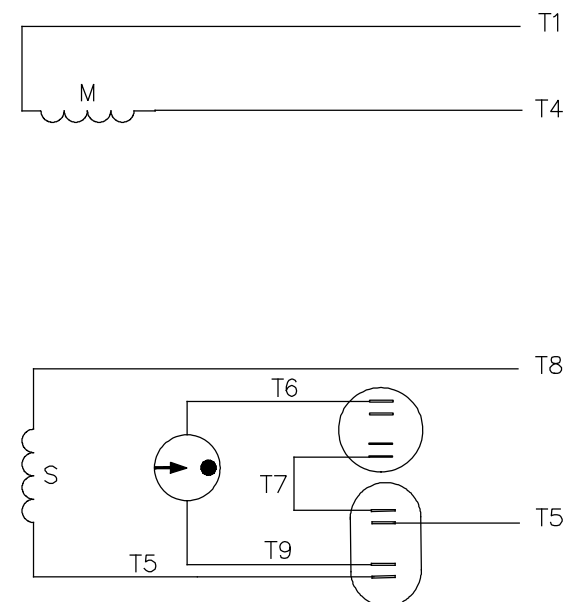
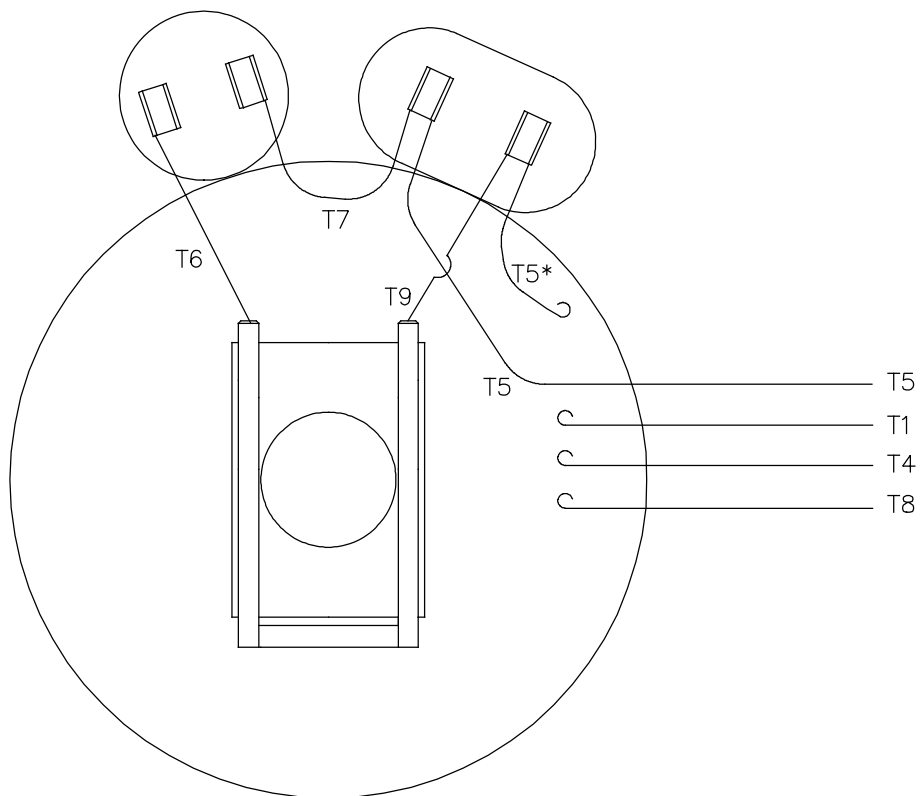
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|-----------------------|-------------------------------|-----------------------|----------------------------|
| Electrical Type | Capacitor Start Capacitor Run | Starting Method | Across The Line |
| Poles | 4 | Rotation | Selective Counterclockwise |
| 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 | JM | Overall Length | 16.32 in |
| Frame Length | 10.50 in | Shaft Diameter | 0.875 in |
| Shaft Extension | 4.21 in | Assembly/Box Mounting | F1 ONLY |
| Connection Drawing | 005018.01 | Outline Drawing | 035390-1050 |



| DASH NO. | "C" | "AD" |
|----------|-------|------|
| 900 | 14.82 | 5.13 |
| 950 | 15.32 | 5.63 |
| 1000 | 15.82 | 6.13 |
| 1050 | 16.32 | 6.63 |
| 1100 | 16.82 | 7.13 |
| 1150 | 17.32 | 7.63 |
| 1200 | 17.82 | 8.13 |


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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 | | SCALE 1=1 | |
| 19 | ADDED ALTERNATE T5 LEAD MARKING | RLW 5/31/02 | KH .XXX | ±.005 | | | TYPE "K" W/O PROTECTOR | | 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 | DRAWING NO. | REV |
| | | | DIST BRF-NLV | | | | | A | 005018-01 | 21 |



CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: 005018.01

CATALOG #: 131605.00

OUTLINE: 035390-1050

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 | 3.70 | 1800 | 1740 | 184JM | 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 | 87 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 | JM | NONE | NONE | AISI 1045 (C-240) | ROLLED STEEL |
| 6207 | 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

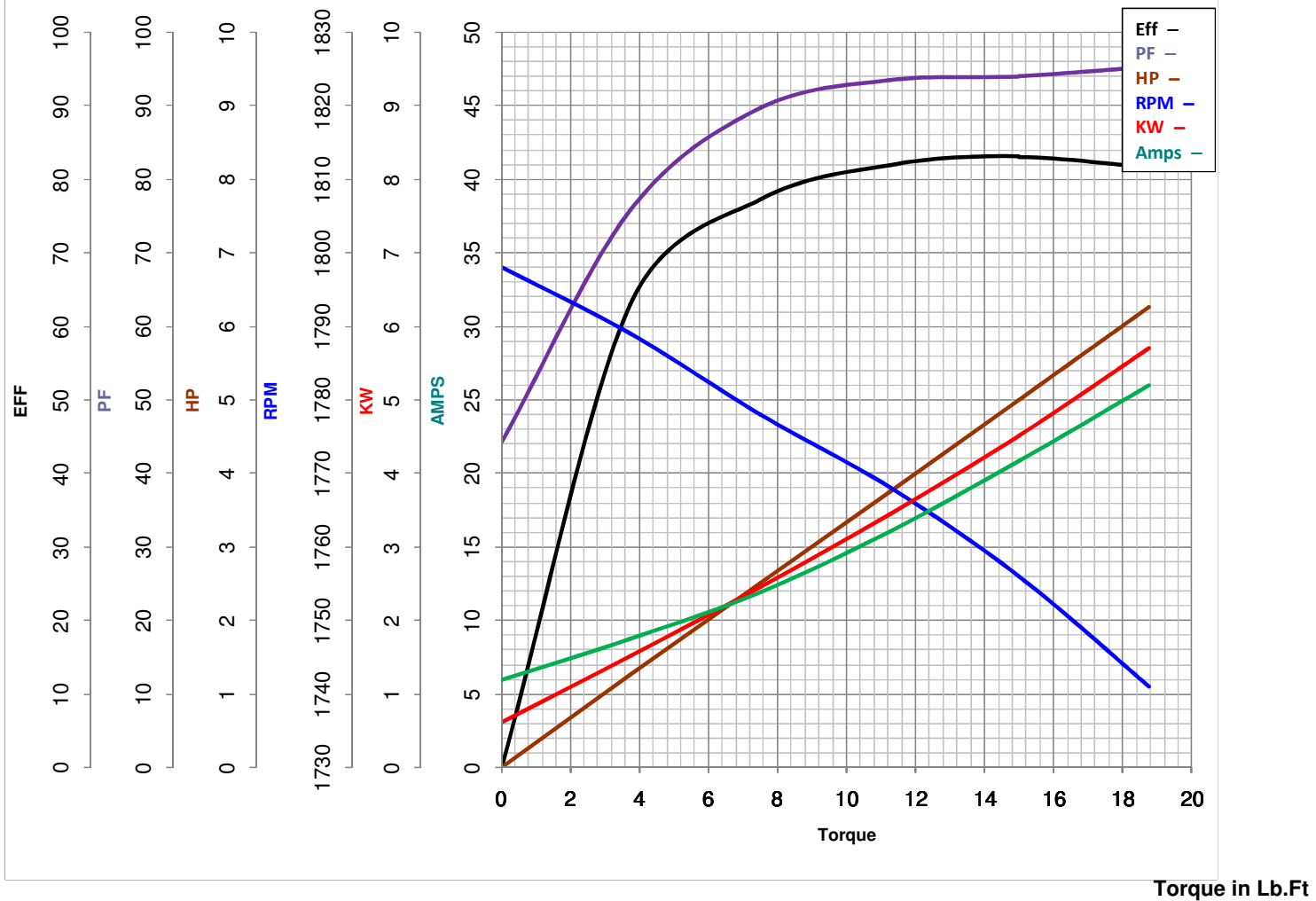
BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz

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LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

 Curve at 230
60
5

 Volts
 HZ
 HP
HP 5.00PHASE 1VOLTS 208-230HZ 60RPM 1740
 FL TORQUE 15 Lb.Ft
 BD TORQUE 32.5 Lb.Ft
 LR TORQUE 41.1 Lb.Ft

WINDING K8450-2

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

Date 7/17/2018