

PRODUCT INFORMATION PACKET



Model No: 121095.00

Catalog No: 121095.00

Special Voltage Motor, 2 HP, 3 Ph, 50 Hz, 220/380/440 V, 1500 RPM, 145T Frame, TEFC



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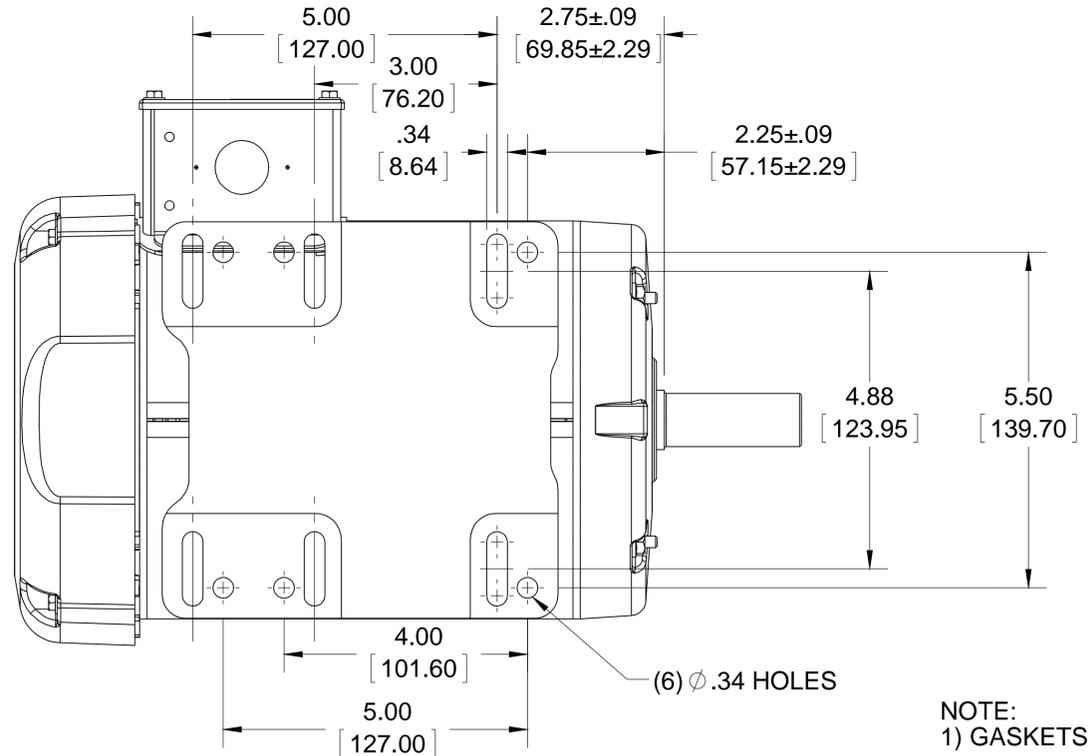
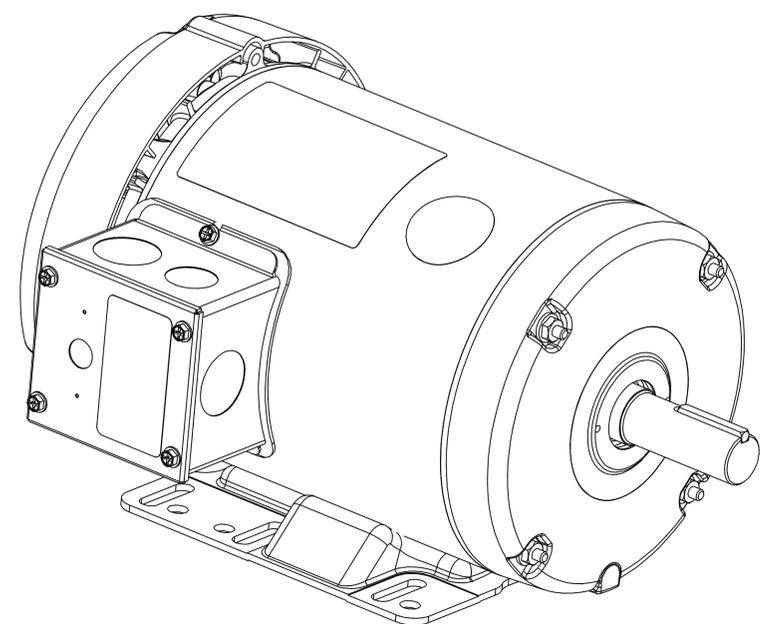
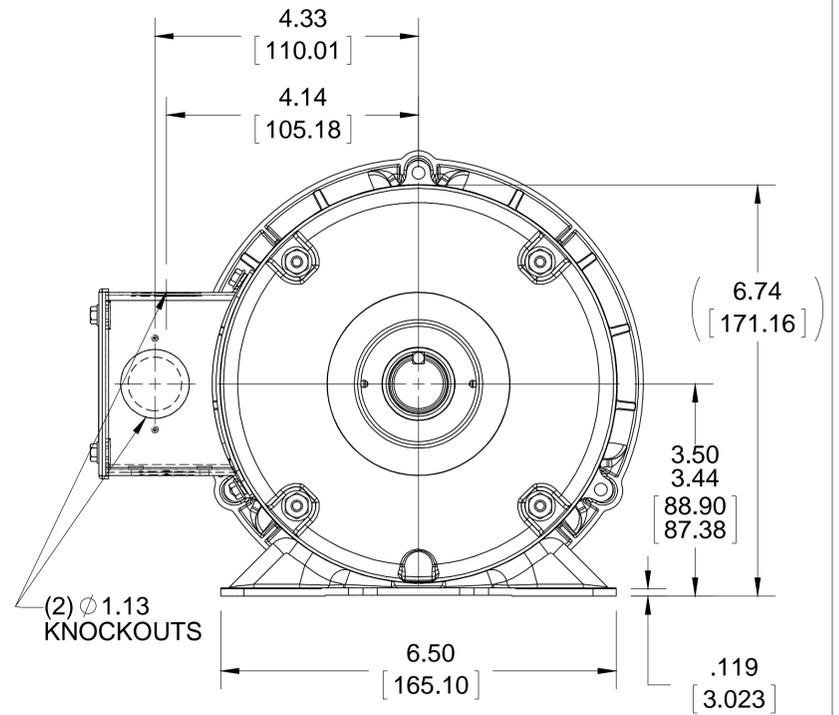
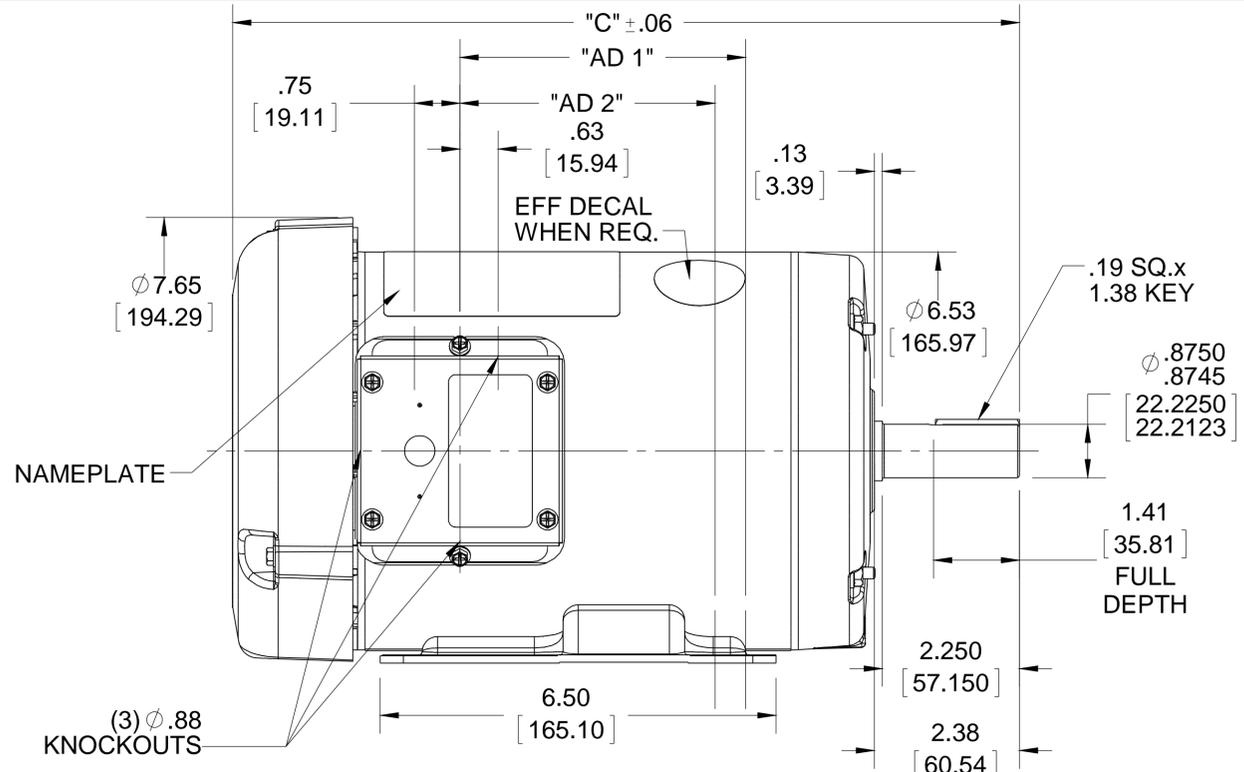
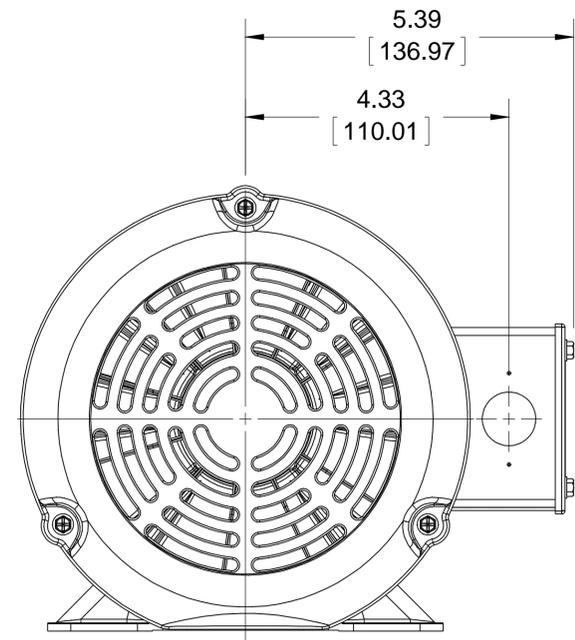


Nameplate Specifications

| | | | |
|------------------------|-----------------------|----------------------------|------------------------------------|
| Phase | 3 | Output HP | 2 Hp |
| Output KW | 1.5 kW | Voltage | 220/380/440 V |
| Speed | 1440 rpm | Service Factor | 1.15 |
| Frame | 145T | Enclosure | Totally Enclosed Fan Cooled |
| Thermal Protection | No Protection | Efficiency | 81.5 % |
| Ambient Temperature | 40 °C | Frequency | 50 Hz |
| Current | 6.3/3.7/3.2 A | Power Factor | 76 |
| Duty | Continuous | Insulation Class | F |
| Design Code | NO DESIGN CODE | KVA Code | J |
| Drive End Bearing Size | 6205 | Opp Drive End Bearing Size | 6203 |
| UL | Recognized | CSA | Y |
| CE | Y | IP Code | 54 |
| Number of Speeds | 1 | | |

Technical Specifications

| | | | |
|-----------------------|------------------------------------|-----------------------|------------------------|
| Electrical Type | Squirrel Cage Induction Run | Starting Method | Across The Line |
| Poles | 4 | Rotation | Reversible |
| Resistance Main | 2.3 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 | 13.18 in |
| Frame Length | 7.25 in | Shaft Diameter | 0.875 in |
| Shaft Extension | 2.25 in | Assembly/Box Mounting | F1 ONLY |
| Outline Drawing | 028765-725 | Connection Drawing | 005381.01 |



NOTE:
1) GASKETS THROUGHOUT

| DASH NO. | "C" | "AD 1" | "AD 2" | ORACLE REV | 10 |
|----------|-------|--------|--------|------------|----|
| 600 | 11.93 | 3.69 | 3.19 | | |
| 650 | 12.43 | 4.19 | 3.69 | | |
| 675 | 12.68 | 4.44 | 3.94 | | |
| 700 | 12.93 | 4.69 | 4.19 | | |
| 725 | 13.18 | 4.94 | 4.44 | | |
| 750 | 13.43 | 5.19 | 4.69 | | |
| 800 | 13.93 | 5.69 | 5.19 | | |
| 850 | 14.43 | 6.19 | 5.69 | | |

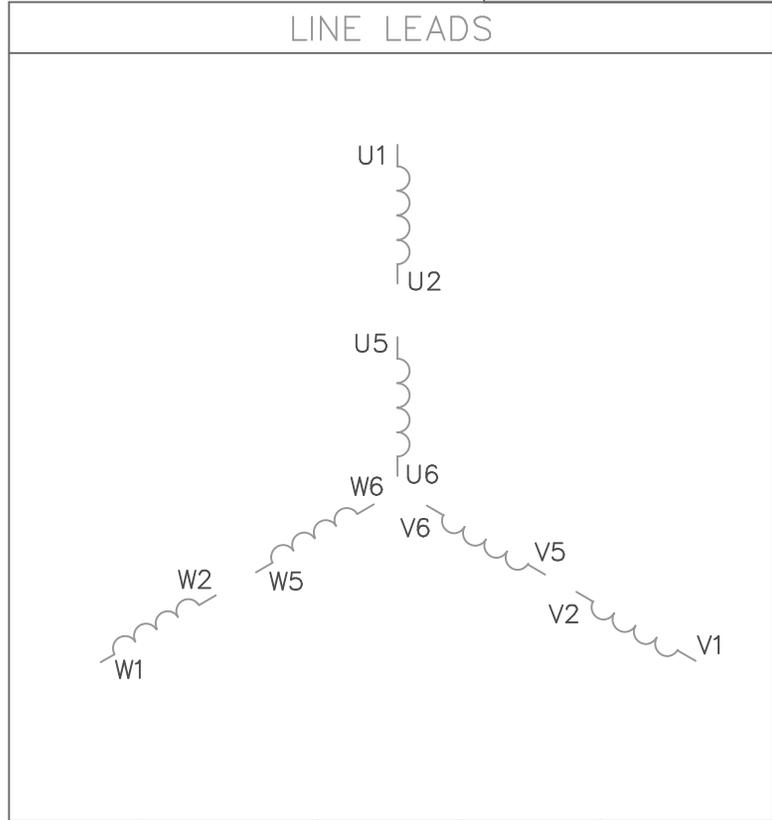
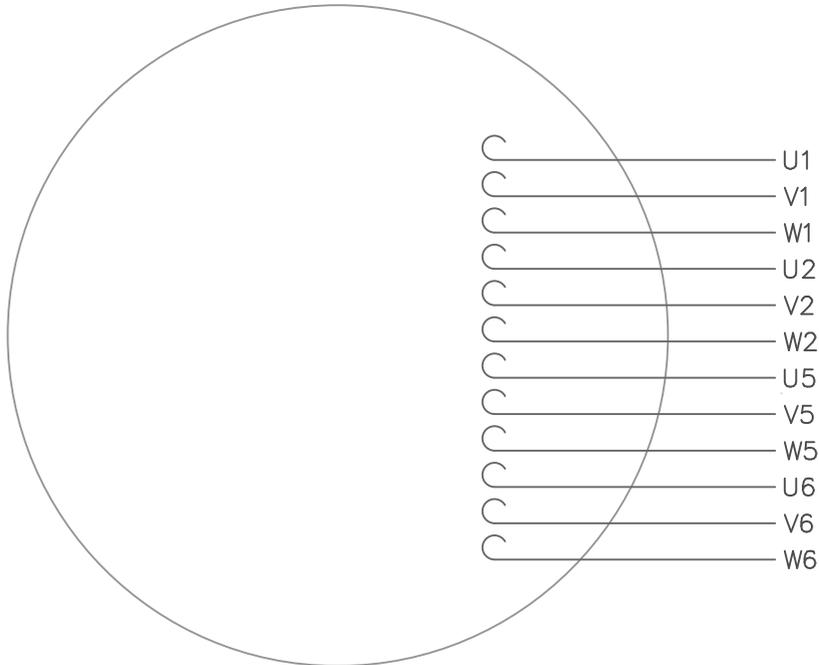
| | | |
|---|---------------------------|--------------------------|
| DRAWING REVISION H | REVISION BY LST | DATE 4/10/15 |
| ECO ECO-0075607 | APPROVED BY SK | DATE 8/17/2014 |
| ECO DESCRIPTION UPDATE DASH TABLE | | |
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| | | | |
|--|---------|-----------|-------|
| TOLERANCES UNLESS OTHERWISE SPECIFIED: | | | |
| DEC. | INCH | mm | ANGLE |
| .X | ±0.1 | [±2.5] | ±0.5° |
| .XX | ±0.03 | [±0.76] | |
| .XXX | ±0.005 | [±0.127] | |
| .XXXX | ±0.0005 | [±0.0127] | |
| REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381] | | | |
| CORNER FILLETS: .02 [0.51] | | | |
| MACHINED SURFACES: 125 3.2 INCH mm | | | |
| mm SHOWN IN [BRACKETS] | | | |

| |
|----------------------------|
| DRAWN BY JJK |
| DATE 06/13/07 |
| APPROVED BY |
| DATE |
| REFERENCE 034941 |
| THIRD ANGLE PROJECTION |

| | |
|---|-----------------------------------|
| REGAL ™ Regal Beloit America, Inc. | |
| DESCRIPTION OUTLINE 140T/56HZ FRAME TEFC - RIGID | |
| MATERIAL | PROCESS/FINISH GENERAL PURPOSE |
| SIZE B | DRAWING NUMBER 028765 |
| | SHEET 1 OF 1 |

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



| VOLTAGE | L1 | L2 | L3 | JOIN |
|----------------|----------------|----------------|----------------|-------------------------------|
| (2Δ) LOW | U1,W2 U5,W6 | V1,U2 V5,U6 | W1,V2 W5,V6 | ----- |
| (2Y) MEDIUM | U1,U5 | V1,V5 | W1,W5 | (U2,V2,W2) (U6,V6,W6) |
| (1Δ) HIGH | U1,W6 | V1,U6 | W1,V6 | (U2,U5) (V2,V5) (W2,W5) |

| | | | | | |
|-----|------------------------------|-----|----------|---------------------------------------|---------|
| | | | | TOLERANCES UNLESS OTHERWISE SPECIFIED | |
| | | | | DECIMALS | |
| | | | | .00 | ± .01 |
| | | | | .000 | ± .005 |
| 1 | REDRAWN TO CURRENT STANDARDS | DBT | 05/30/97 | .0000 | ± .0005 |
| NO. | REVISION | BY | DATE | FRACTIONS | ± 1/64 |
| | | | | ANGLES | ± 1/2° |
| | | | | INCH/MM | |

LEESON ELECTRIC CORPORATION

EXT. WIRING DIAGRAM
TYPE "T" W/O PROTECTOR

DECAL - 080590

FINISH STOCK

SIZE A

DRAWING NO. 005381-01

REF. 005352 PG 3

FMF



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

CERTIFICATION DATA SHEET

CATALOG #: 121095.00

CONN. DIAGRAM: 005381.01

OUTLINE: 028765-725

WINDING #: T634211 FR 4 A

MOUNTING: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

| HP | kW | SYNC. RPM | F.L. RPM | FRAME | ENCLOSURE | KVA CODE | DESIGN |
|----|------|-----------|----------|-------|-----------|----------|----------------|
| 2 | 1.49 | 1500 | 1440 | 145T | TEFC | J | NO DESIGN CODE |

| PH | Hz | VOLTS | AMPS | START TYPE | DUTY | INSL | S.F. | AMB°C |
|----|----|-------------|---------------|-----------------|------------|------|------|-------|
| 3 | 50 | 220/380/440 | 6.3/3.65/3.15 | ACROSS THE LINE | CONTINUOUS | F4 | 1.15 | 40 |

| FULL LOAD EFF: | 81.5 | 3/4 LOAD EFF: | 77.2 | 1/2 LOAD EFF: | 72.4 | GTD. EFF | ELEC. TYPE |
|----------------|------|---------------|------|---------------|------|----------|-----------------|
| FULL LOAD PF: | 76 | 3/4 LOAD PF: | 50.9 | 1/2 LOAD PF: | 40.2 | 0 | SQ CAGE IND RUN |

| F.L. TORQUE | LOCKED ROTOR AMPS | L.R. TORQUE | B.D. TORQUE | F.L. RISE°C |
|-------------|--------------------|--------------|----------------|-------------|
| 7.2 LB-FT | 40.8 / 23.6 / 20.4 | 22 LB-FT 0 % | 26.3 LB-FT 0 % | 84 |

| SOUND PRESSURE @ 3 FT. | SOUND POWER | ROTOR WK^2 | MAX. WK^2 | SAFE STALL TIME | STARTS / HOUR | APPROX. MOTOR WGT |
|------------------------|-------------|------------|-------------|-----------------|---------------|-------------------|
| - dBA | - dBA | 0 LB-FT^2 | 0.1 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 | 1144 STRESSPROOF (C-223) | ROLLED STEEL |
| 6205 | 6203 | | | | | | |

| THERMO-PROTECTORS | | | | THERMISTORS | CONTROL | SPACE HEATERS |
|-------------------|------------|----------|----------|-------------|---------|---------------|
| THERMOSTATS | PROTECTORS | WDG RTDs | BRG RTDs | | | |
| NONE | NOT | 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 |

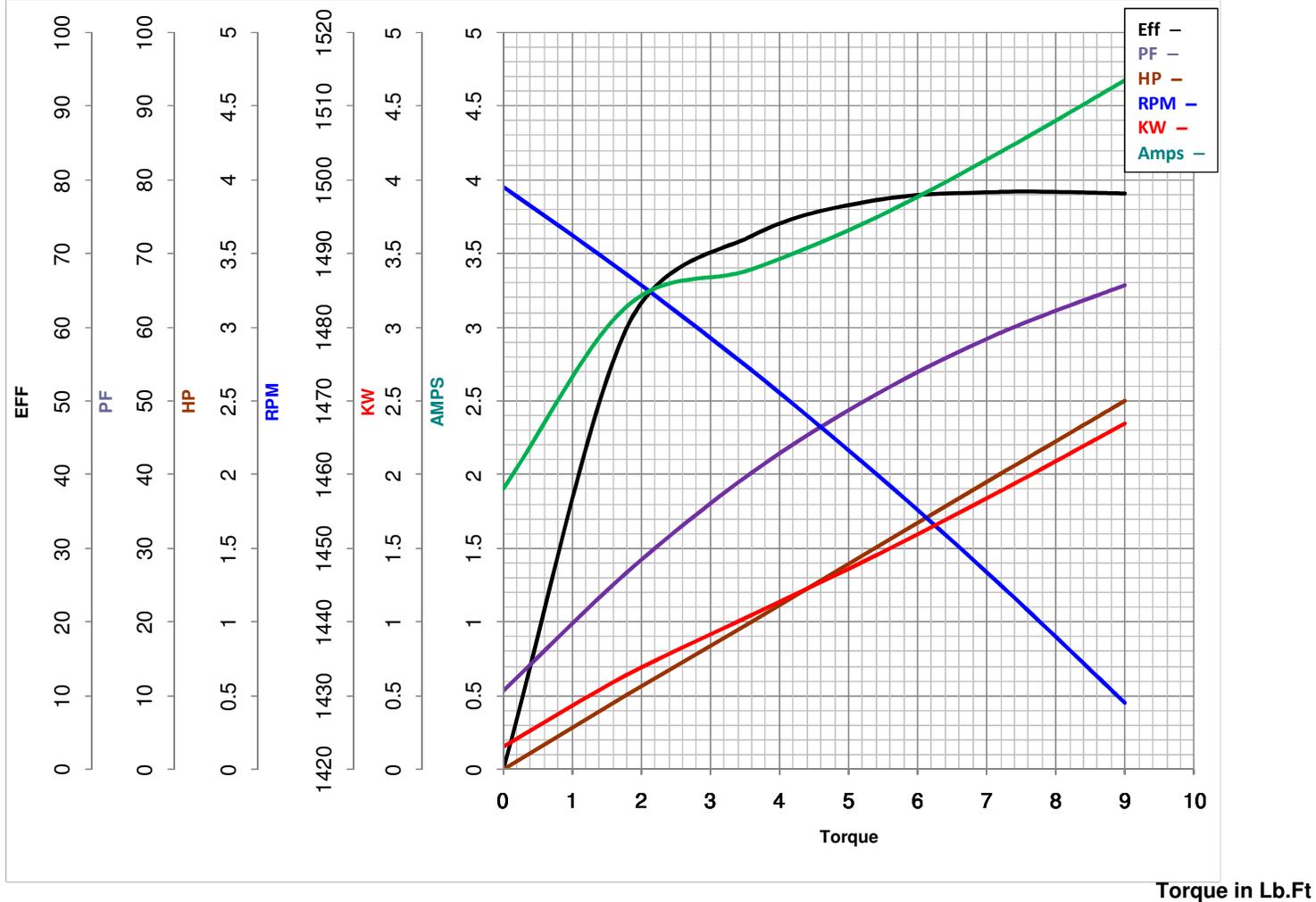


LEESON ELECTRIC CORPORATION
TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 121095.00

Catalog No 121095.00

Curve at 440 Volts HP 2.00 PHASE 3
50 HZ
2 HP VOLTS 220/380/440
HZ 50 RPM 1440



| | | | | |
|-----------|-------------|-------|-----------|----------------------|
| FL TORQUE | <u>7.2</u> | Lb.Ft | FL AMPS | <u>6.3/3.65/3.15</u> |
| BD TORQUE | <u>26.3</u> | Lb.Ft | PU TORQUE | <u>21.9</u> Lb.Ft |
| LR TORQUE | <u>22</u> | Lb.Ft | LR AMPS | <u>20.41</u> |
| WINDING | T634211-4 | | Date | <u>6/4/2018</u> |

EC Declaration of Conformity

The undersigned representing
the manufacturer:

Regal Beloit America
1946 West Cook Road
Fort Wayne, IN 46818

and the authorized representative
established within the Community:

Regal Beloit Italy
Via Modena, 18
24040 Ciserano(BG) - Italy

are committed to providing customers with products that comply with applicable regulations and international protocols to which they are subject, including the requirements of the European Parliament Directive on the Harmonization of the laws relating to electrical equipment designed for use within certain voltage limits (2014/35/EU).

Regal Beloit America declares that the following product(s), to which this declaration relates, are in conformity with the relevant sections of the EC standards listed below.

This statement supersedes any statements previously issued pertaining to the product(s) listed below and is subject to change without notice.

Model No : 121095.00

(Model No. may contain prefix and/or suffix characters)

Catalog No : 121095.00

Rework No : N/A

Directives :

Low Voltage Directive 2014/35/EU

Harmonized Standards Used :

EN 60034-1: 2010 (IEC 60034-1: 2010)

EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:



Zach Stauffer
Vice President, Engineering

Authorized Representative in the Community:



Stefano Casiraghi
Technology Director, Engineering

Created on 07/08/2025

CE 25