

PRODUCT INFORMATION PACKET



Model No: 110424.00

Catalog No: 110424.00

Special Voltage Motor, 1.50 HP, 1 Ph, 50 Hz, 110/220 V, 1500 RPM, 56H Frame, TEFC



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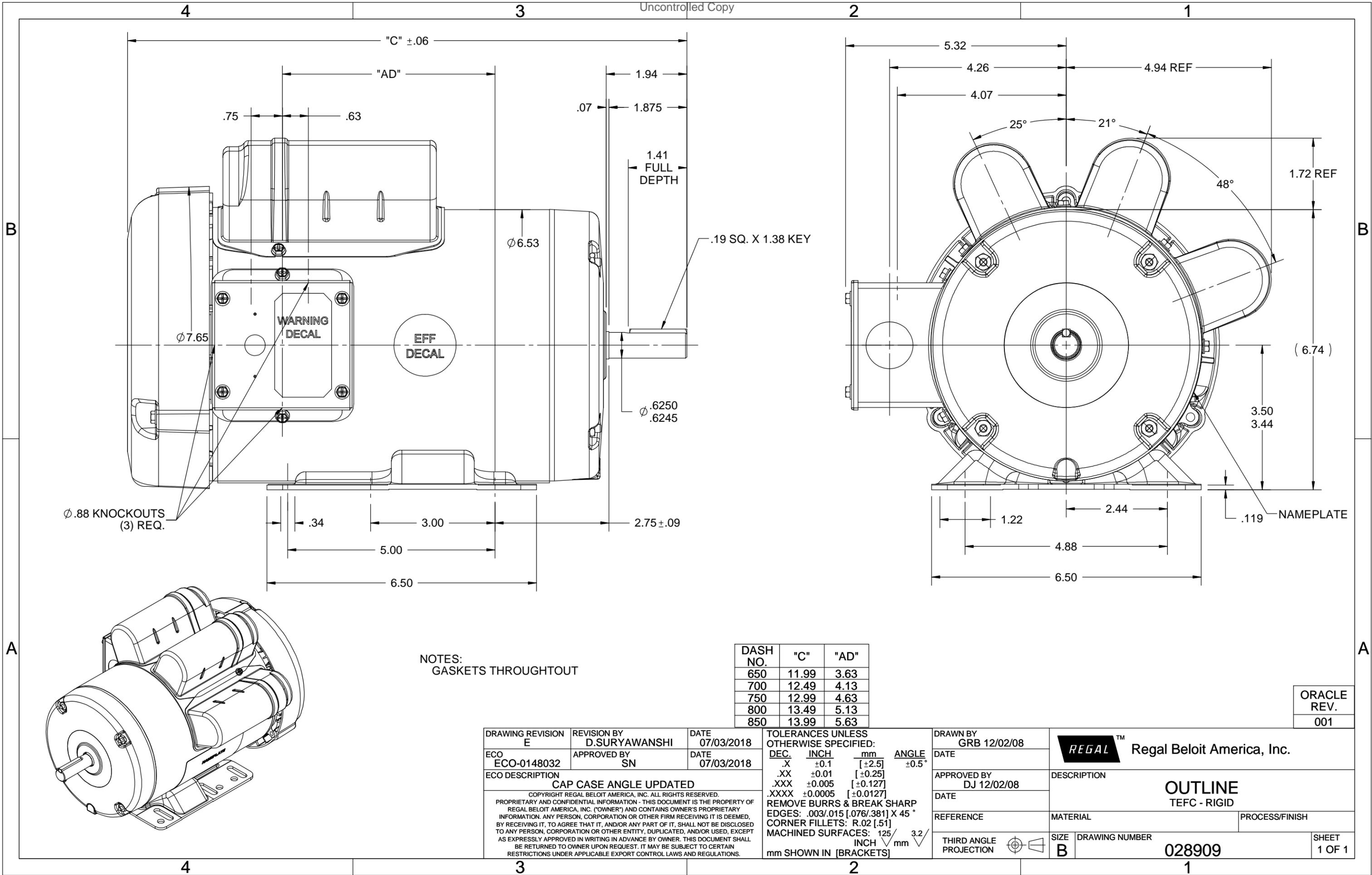


Nameplate Specifications

| | | | |
|------------------------|----------------|----------------------------|-----------------------------|
| Phase | 1 | Output HP | 1.50 Hp |
| Output KW | 1.1 kW | Voltage | 110/220 V |
| Speed | 1425 rpm | Service Factor | 1 |
| Frame | 56H | Enclosure | Totally Enclosed Fan Cooled |
| Thermal Protection | No Protection | Efficiency | 76 % |
| Ambient Temperature | 40 °C | Frequency | 50 Hz |
| Current | 17.2/8.6 A | Power Factor | 78 |
| Duty | Continuous | Insulation Class | F |
| Design Code | NO DESIGN CODE | KVA Code | J |
| Drive End Bearing Size | 6203 | Opp Drive End Bearing Size | 6203 |
| UL | Recognized | CSA | Y |
| CE | Y | IP Code | 54 |
| Number of Speeds | 1 | | |

Technical Specifications

| | | | |
|-----------------------|-------------------------------|-----------------------|----------------------------|
| Electrical Type | Capacitor Start Capacitor 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 | NEMA 56 | Overall Length | 13.49 in |
| Frame Length | 8.00 in | Shaft Diameter | 0.625 in |
| Shaft Extension | 1.88 in | Assembly/Box Mounting | F1 ONLY |
| Connection Drawing | 005414.02 | Outline Drawing | 028909-800 |



NOTES:
GASKETS THROUGHOUT

| DASH NO. | "C" | "AD" |
|----------|-------|------|
| 650 | 11.99 | 3.63 |
| 700 | 12.49 | 4.13 |
| 750 | 12.99 | 4.63 |
| 800 | 13.49 | 5.13 |
| 850 | 13.99 | 5.63 |

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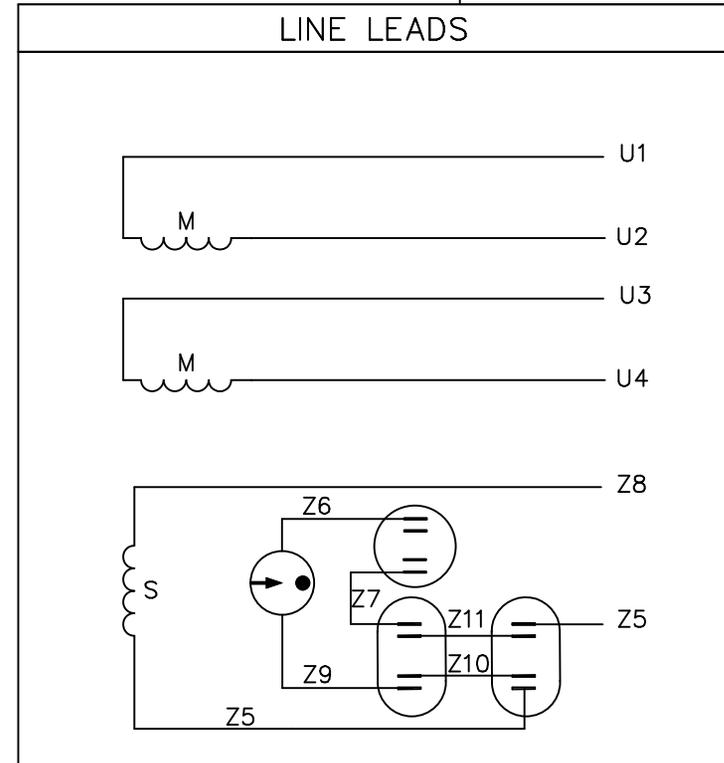
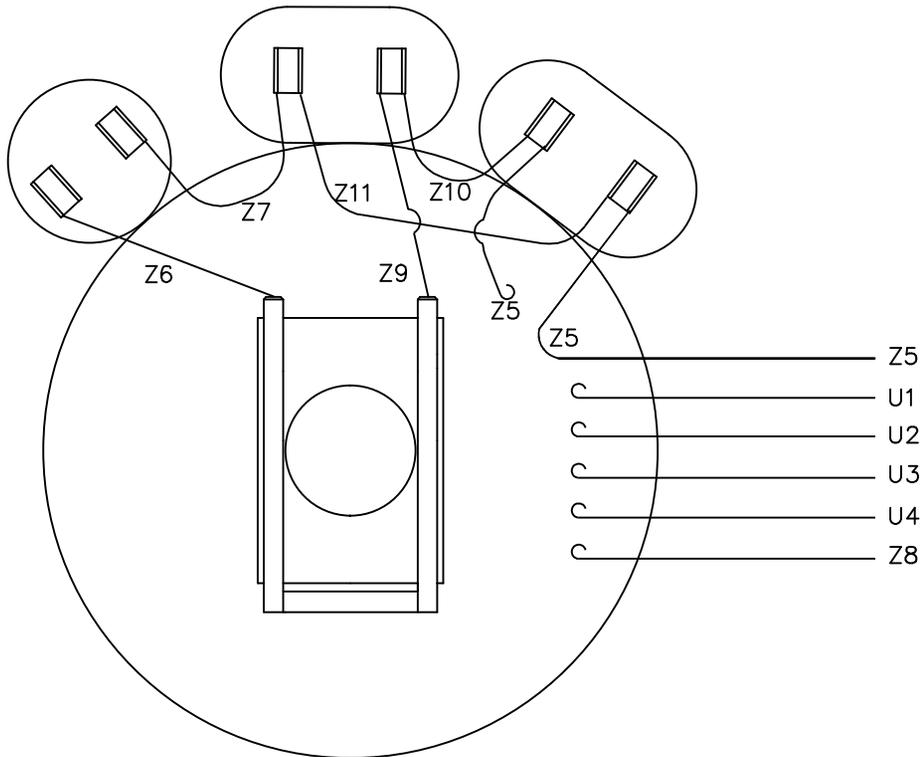
| | | |
|--|------------------------------|--------------------|
| DRAWING REVISION E | REVISION BY D.SURYAWANSHI | DATE 07/03/2018 |
| ECO ECO-0148032 | APPROVED BY SN | DATE 07/03/2018 |
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| | | | |
|---|---------|-----------|-------|
| TOLERANCES UNLESS OTHERWISE SPECIFIED: | | | |
| 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] | |
| REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381] X 45° CORNER FILLETS: R.02 [.51] MACHINED SURFACES: 125 INCH 3.2 mm SHOWN IN [BRACKETS] | | | |

| | |
|----------------------------|------|
| DRAWN BY GRB 12/02/08 | DATE |
| APPROVED BY DJ 12/02/08 | DATE |
| REFERENCE | |
| THIRD ANGLE PROJECTION | |

| | |
|---|--------------------------------|
| REGAL ™ Regal Beloit America, Inc. | |
| DESCRIPTION | OUTLINE TEFC - RIGID |
| MATERIAL | PROCESS/FINISH |
| SIZE B | DRAWING NUMBER 028909 |
| | SHEET 1 OF 1 |

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



| | ROTATION FACING LEAD END | L1 | L2 | JOIN & INSULATE |
|-----------|--------------------------|-------------|-------------|-----------------|
| HIGH VOLT | C.C.W. | U1 | U4 Z5 | U2,U3 Z8 |
| | C.W. | U1 | U4 Z8 | U2,U3 Z5 |
| LOW VOLT | C.C.W. | U1,U3 Z8 | U2,U4 Z5 | ---- |
| | C.W. | U1,U3 Z5 | U2,U4 Z8 | ---- |

| | | | | | | | | | | |
|---|----------|----|------|---------------------------------------|---------|------------------------------------|-------------------------|--------|-----------|-------------|
| | | | | TOLERANCES UNLESS OTHERWISE SPECIFIED | | LEESON ELECTRIC CORPORATION | | | | |
| | | | | DECIMALS | | | | | | |
| | | | | .00 | ± .01 | DRAWN DBT 07/21/97 | TITLE | | | |
| | | | | .000 | ± .005 | CH'K'D. | EXTERNAL WIRING DIAGRAM | | | |
| | | | | .0000 | ± .0005 | APPR. | TYPE "K" W/O PROTECTOR | | | |
| NO. | REVISION | BY | DATE | FRACTIONS | ± 1/64 | SCALE | MAT'L. | | | |
| | | | | ANGLES | ± 1/2° | REF. | DECAL - 80642 | | | |
| 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 | | | | INCH/MM | | FMF | FINISH | I.E.C. | SIZE | DRAWING NO. |
| | | | | | | | MARKINGS | A | 005414-02 | |



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

CERTIFICATION DATA SHEET

CATALOG #: 110424.00

CONN. DIAGRAM: 005414.02

OUTLINE: 028909-800

MOUNTING: F1 ONLY

WINDING #: K634281 FR 5 A

TYPICAL MOTOR PERFORMANCE DATA

| HP | kW | SYNC. RPM | F.L. RPM | FRAME | ENCLOSURE | KVA CODE | DESIGN |
|-------|------|-----------|----------|-------|-----------|----------|----------------|
| 1 1/2 | 1.12 | 1500 | 1425 | 56H | TEFC | J | NO DESIGN CODE |

| PH | Hz | VOLTS | AMPS | START TYPE | DUTY | INSL | S.F. | AMB°C |
|----|----|---------|----------|-----------------|------------|------|------|-------|
| 1 | 50 | 110/220 | 17.2/8.6 | ACROSS THE LINE | CONTINUOUS | F4 | 1.0 | 40 |

| FULL LOAD EFF: | 76 | 3/4 LOAD EFF: | 75 | 1/2 LOAD EFF: | 68.1 | GTD. EFF | | ELEC. TYPE | |
|----------------|----|---------------|------|---------------|------|----------|--|-------------------|--|
| FULL LOAD PF: | 78 | 3/4 LOAD PF: | 68.9 | 1/2 LOAD PF: | 58.4 | 72 | | CAP START CAP RUN | |

| F.L. TORQUE | LOCKED ROTOR AMPS | L.R. TORQUE | B.D. TORQUE | F.L. RISE°C |
|-------------|-------------------|------------------|------------------|-------------|
| 5.4 LB-FT | 106 / 53 | 13.8 LB-FT 251 % | 12.8 LB-FT 233 % | 100 |

| SOUND PRESSURE @ 3 FT. | SOUND POWER | ROTOR WK^2 | MAX. WK^2 | SAFE STALL TIME | STARTS / HOUR | APPROX. MOTOR WGT |
|------------------------|-------------|--------------|-----------|-----------------|---------------|-------------------|
| 0 dBA | 10 dBA | 0.15 LB-FT^2 | 0 LB-FT^2 | 10 SEC. | 0 | 50 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 | STANDARD 56 | NONE | NONE | 1144 STRESSPROOF (C-223) | ROLLED STEEL |
| 6203 | 6203 | | | | | | |

| 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 |

EC Declaration of Conformity

The undersigned representing
the manufacturer:

Regal Beloit America
100 East Randolph St.
Wausau, WI 54401

and the authorized representative
established within the Community:

Marathon Electric UK
6F Thistleton Road Ind. Estate
Market Overton
Oakham, Rutland LE15 7PP UK

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 : 110424.00

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

Catalog No : 110424.00

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:



Michael A. Logsdon
Vice President, Technology

Authorized Representative in the Community:



Julian Clark
Marketing Engineer

Created on 09/01/2022

CE 22