# PRODUCT INFORMATION PACKET

Model No: 145TTFR16448
Catalog No: FX32BK008
FLEX-IN-1™ General Purpose Motor, 1.50 & 1.50 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 1800 & 1500 RPM, 145TC Frame, TEFC



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## Nameplate Specifications

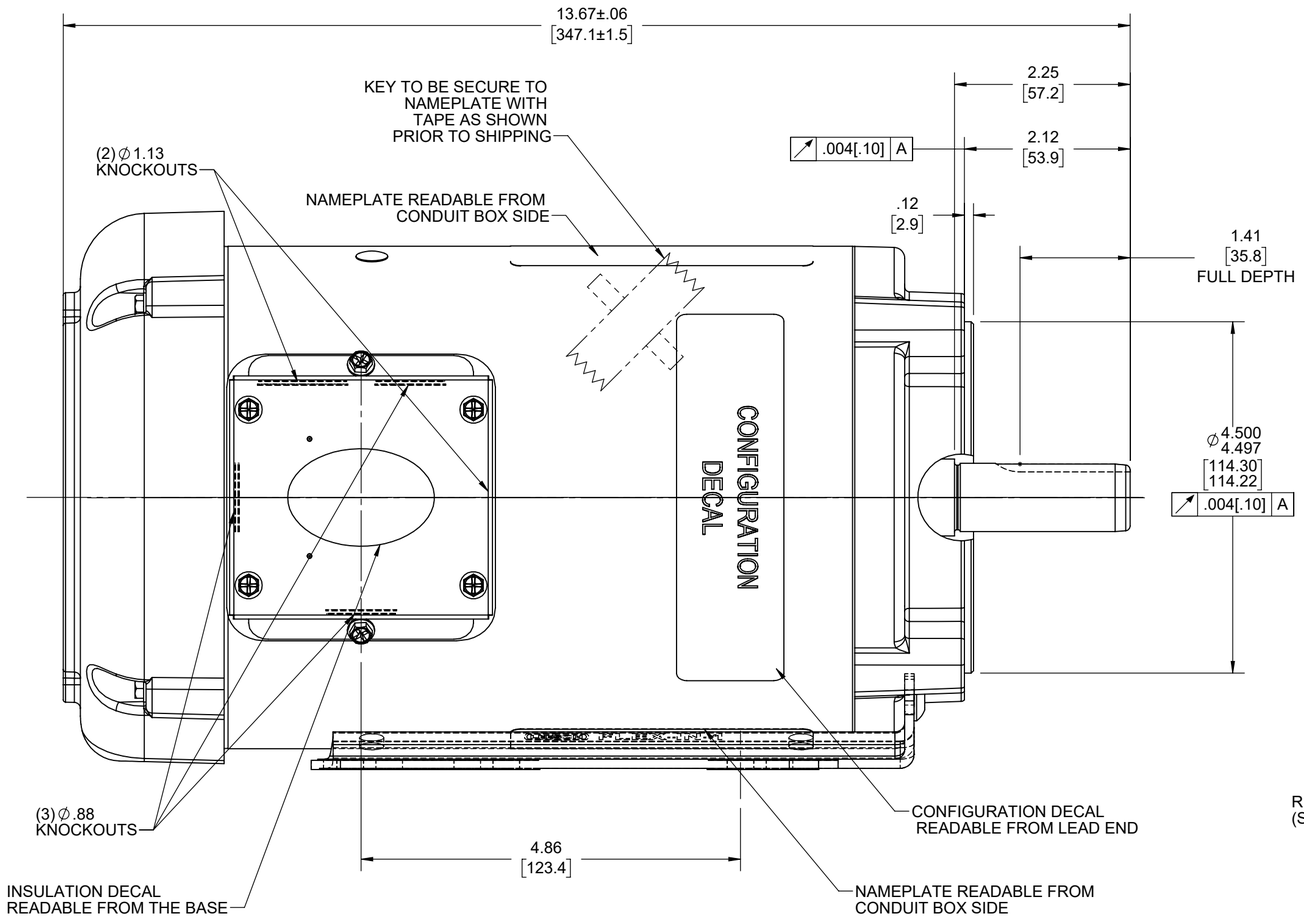
| | | | |
|---|---|---|---|
| Phase | 3 | Output HP | 1.50 & 1.50 Hp |
| Output KW | 1.1 & 1.1 kW | Voltage | 208-230/460 & 190/380 V |
| Speed | 1755 & 1450 rpm | Service Factor | 1.15 & 1.00 |
| Frame | 145TC | Enclosure | Totally Enclosed Fan Cooled |
| Thermal Protection | Thermostat | Efficiency | 86.5 & 85.5 % |
| Ambient Temperature | 40 °C | Frequency | 60 & 50 Hz |
| Current | 4.7-4.6/2.3 & 5.4/2.7 A | Power Factor | 71 |
| Duty | Continuous | Insulation Class | F |
| Design Code | A | KVA Code | P |
| Drive End Bearing Size | 6205 | Opp Drive End Bearing Size | 6203 |
| UL | Recognized | CSA | Y |
| CE | Y | IP Code | 43 |
| Number of Speeds | 1 | | |

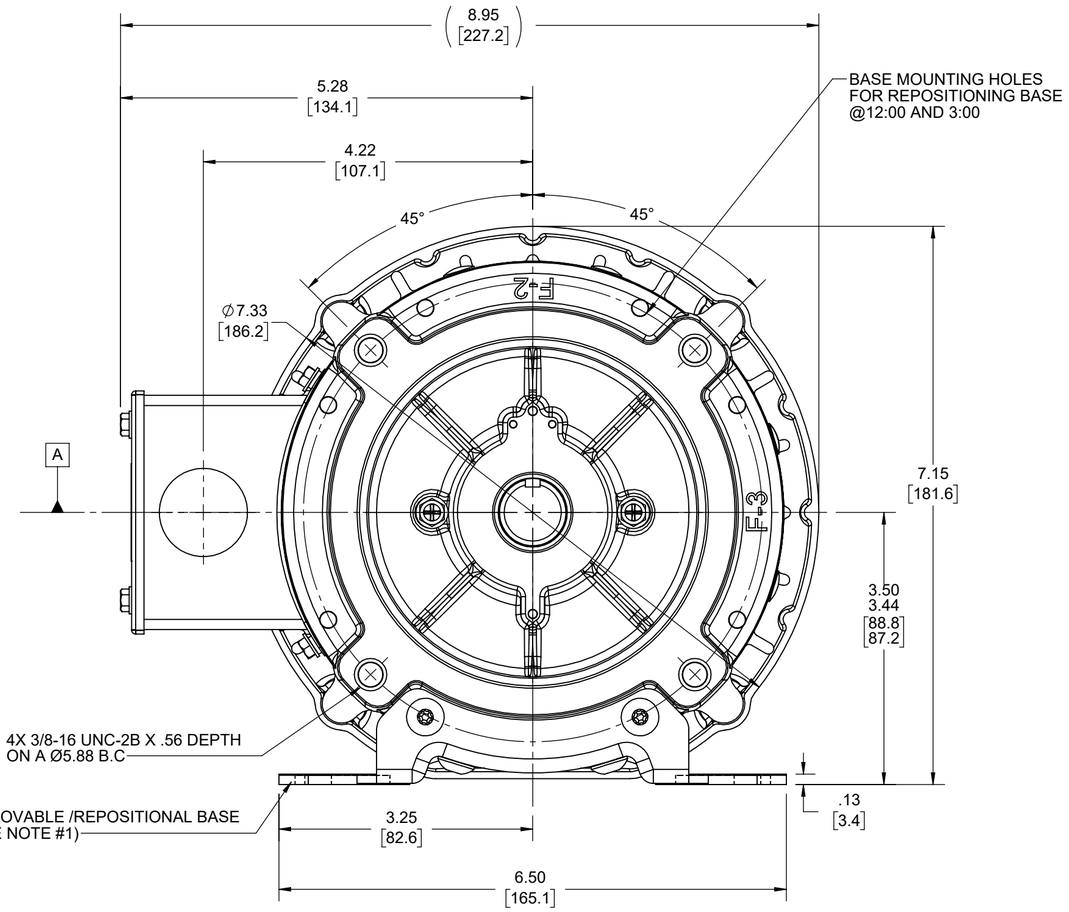
## Technical Specifications

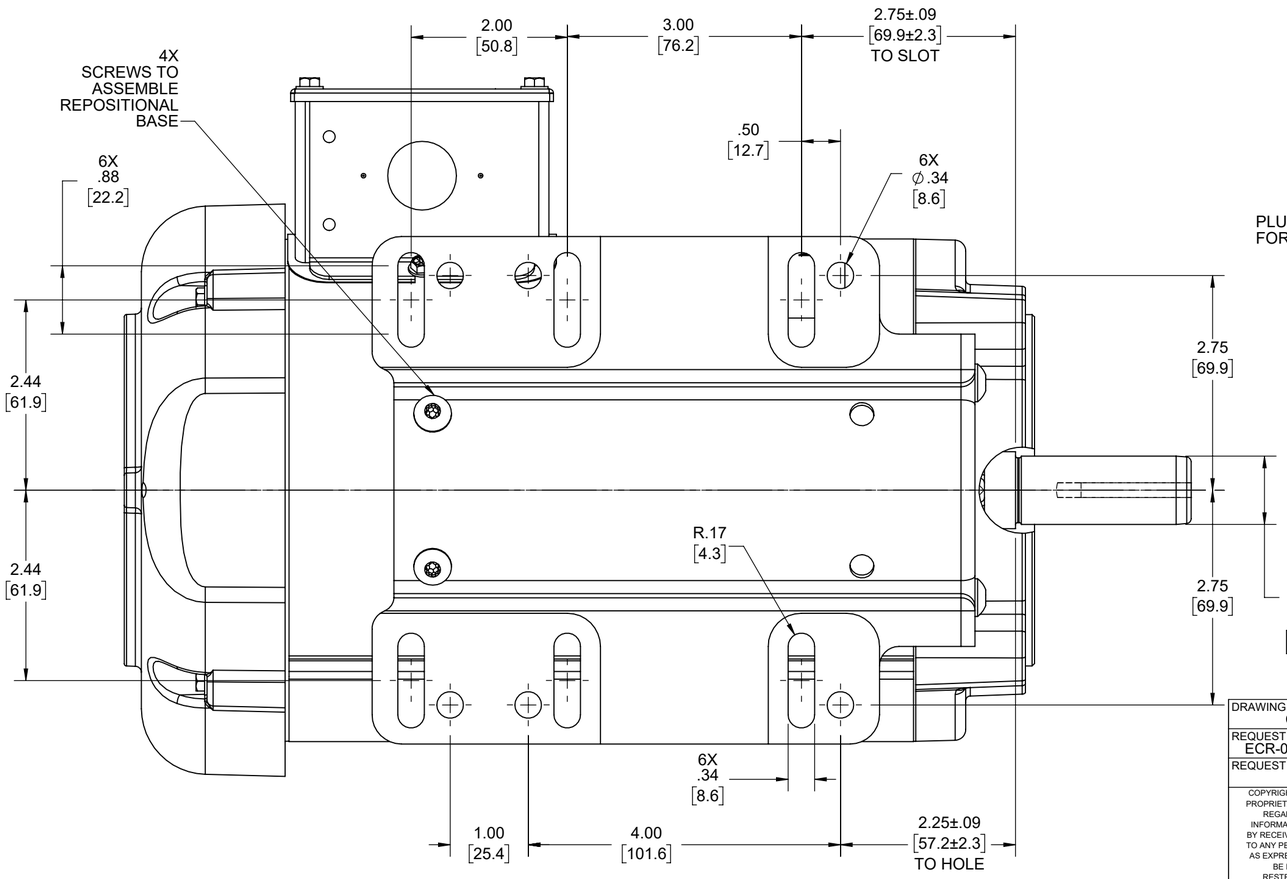
| | | | |
|---|---|---|---|
| Electrical Type | Squirrel Cage Inverter Rated | Starting Method | Line Or Inverter |
| Poles | 4 | Rotation | Reversible |
| Resistance Main | 7.9 Ohms | Mounting | Bolt-on Base |
| Motor Orientation | Horizontal Or Up Or Down | Drive End Bearing | Ball |
| Opp Drive End Bearing | Ball | Frame Material | Rolled Steel |
| Shaft Type | T | Assembly/Box Mounting | F1 ¿ F2/F3 CAPABLE |
| Inverter Load | CONSTANT 10:1 | | |
| Outline Drawing | OL56100916-001 | Connection Drawing | CDTD113 |

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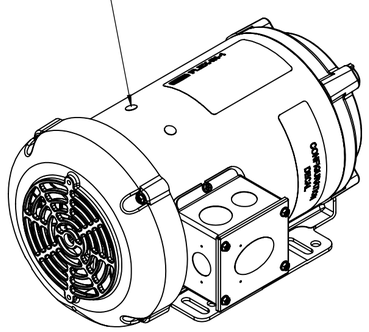
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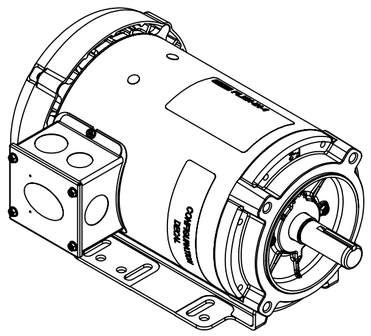



NOTES:
1)REPOSITIONAL BASE CAN BE REMOVED FOR C-FACE MOUNTING OR REPOSITIONED TO 12:00 OR 3:00 FACING SHAFT END OF MOTOR FOR NEMA F-2 OR F-3 CONDUIT BOX LOCATION.

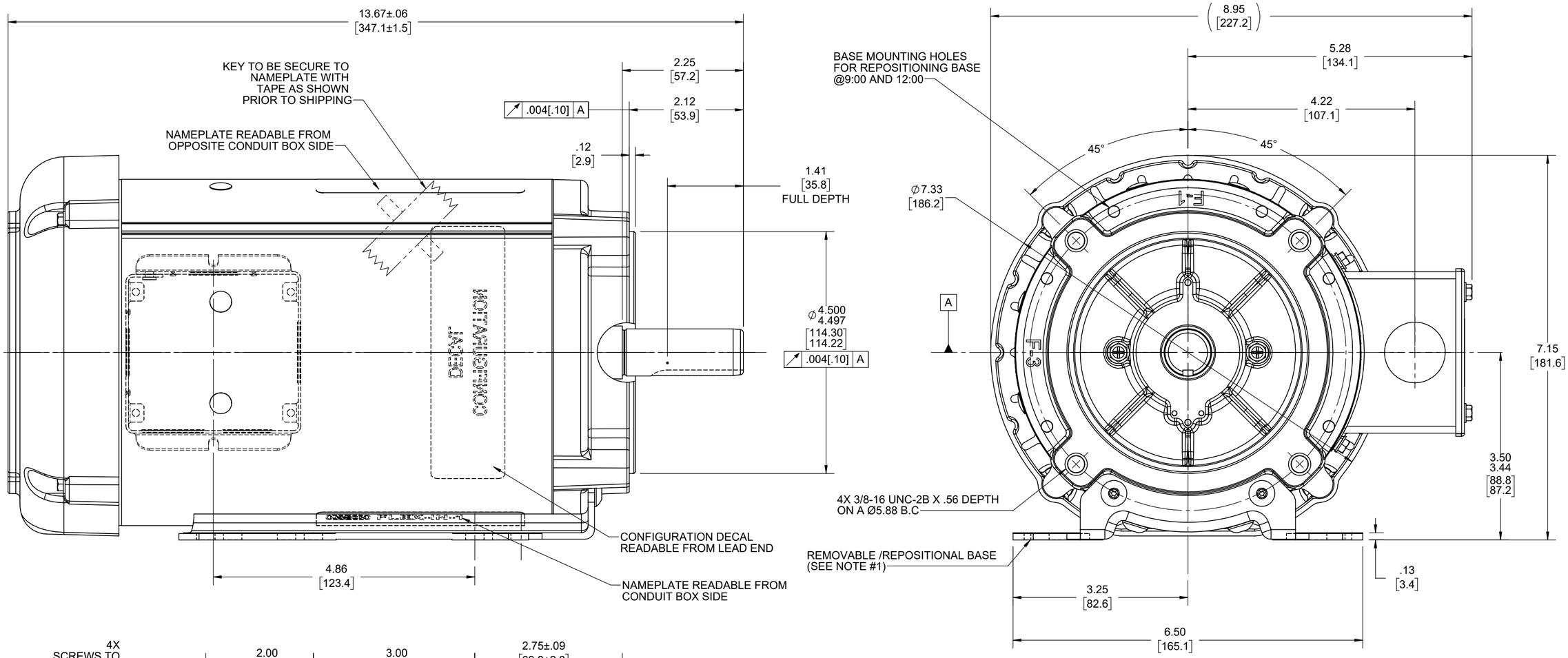


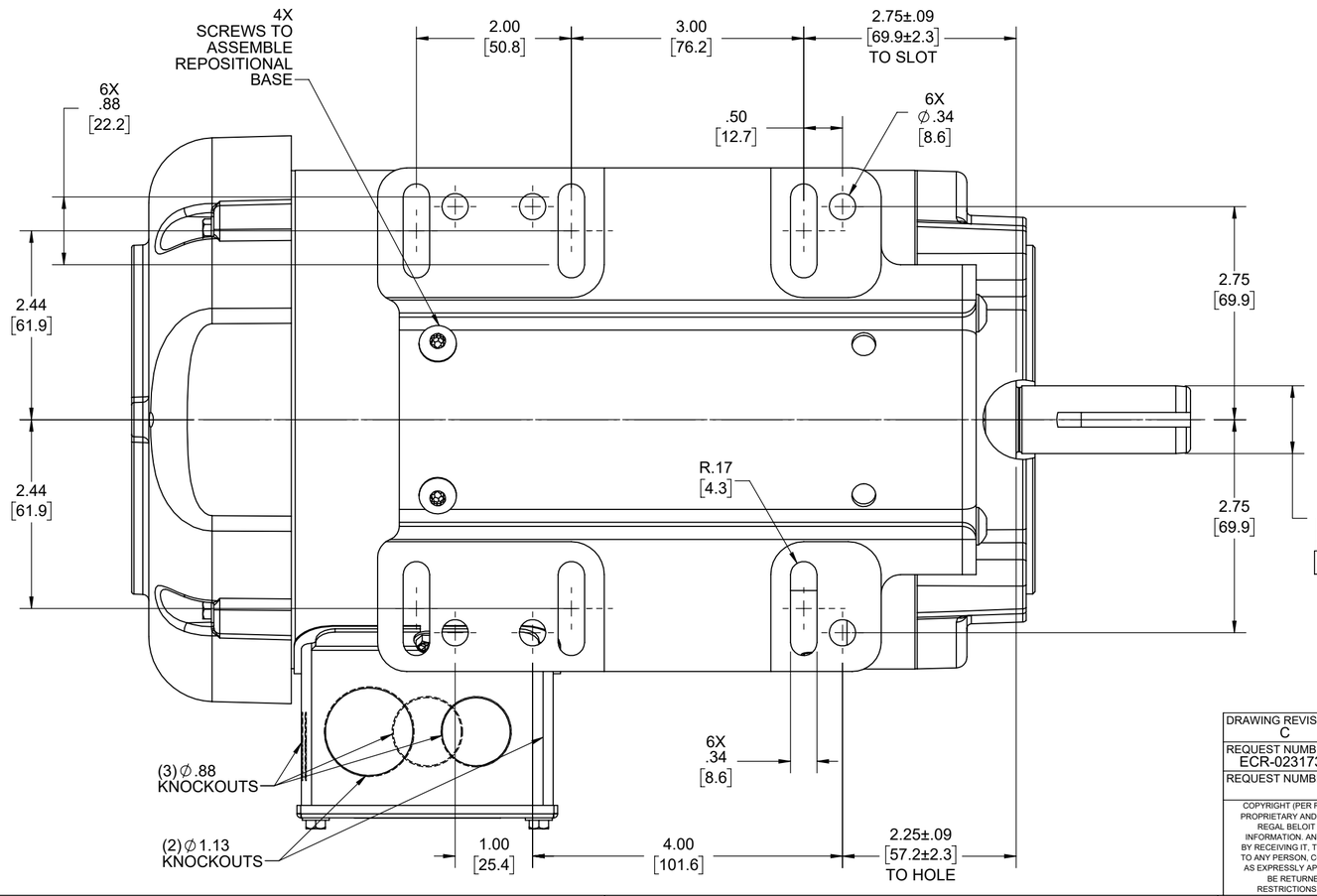



| | | | | | |
|---|---|---|---|---|---|
| DRAWING REVISION: C | REVISION BY: M.P | REV DATE/© DATE: 03/06/2024 | TOLERANCES (EXCEPT AS NOTED): | DRAWN BY: PS | Regal Rexnord — Regal Beloit America, Inc. |
| REQUEST NUMBER: ECR-0231732 | APPROVED BY: P.V.R | DATE: 03/06/2024 | DEC. INCH mm ANGLE<br>.X ±0.1 [±3] ±0.5°<br>.XX ±0.02 [±0.5]<br>.XXX ±0.005 [±0.13]<br>.XXXX ±0.0005 [±0.013] | DATE: 08/28/2023 | DESCRIPTION: OUTLINE<br>56-140FR,TEFC, C-FACE, BOLT-ON |
| REQUEST NUMBER DESCRIPTION: UPDATED AS PER ECR | | | REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45°<br>CORNER FILLETS: R.02 [.5]<br>MACHINED SURFACES: 125 / 3.2 INCH / mm | APPROVED BY: PVR | |
| | | | mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY | DATE: 08/28/2023 | |
| | | | | REFERENCE: OL56100872 | MATERIAL / PROCESS/FINISH |
| | | | | THIRD ANGLE PROJECTION | SIZE: C — DRAWING NUMBER: OL56100916-001 — SHEET: 1 OF3 |

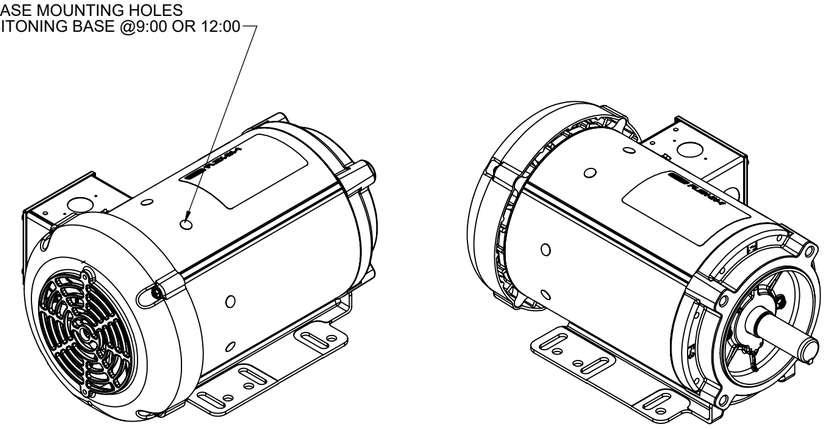
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NOTES:
1)REPOSITIONAL BASE CAN BE REMOVED FOR C-FACE MOUNTING OR REPOSITIONED TO 12:00 OR 9:00 FACING SHAFT END OF MOTOR FOR NEMA F-1 OR F-3 CONDUIT BOX LOCATION.




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| | | |
|---|---|---|
| DRAWING REVISION: C | REVISION BY: M.P | REV DATE/© DATE: 03/06/2024 |
| REQUEST NUMBER: ECR-0231732 | APPROVED BY: P.V.R | DATE: 03/06/2024 |
| REQUEST NUMBER DESCRIPTION: UPDATED AS PER ECR | | |

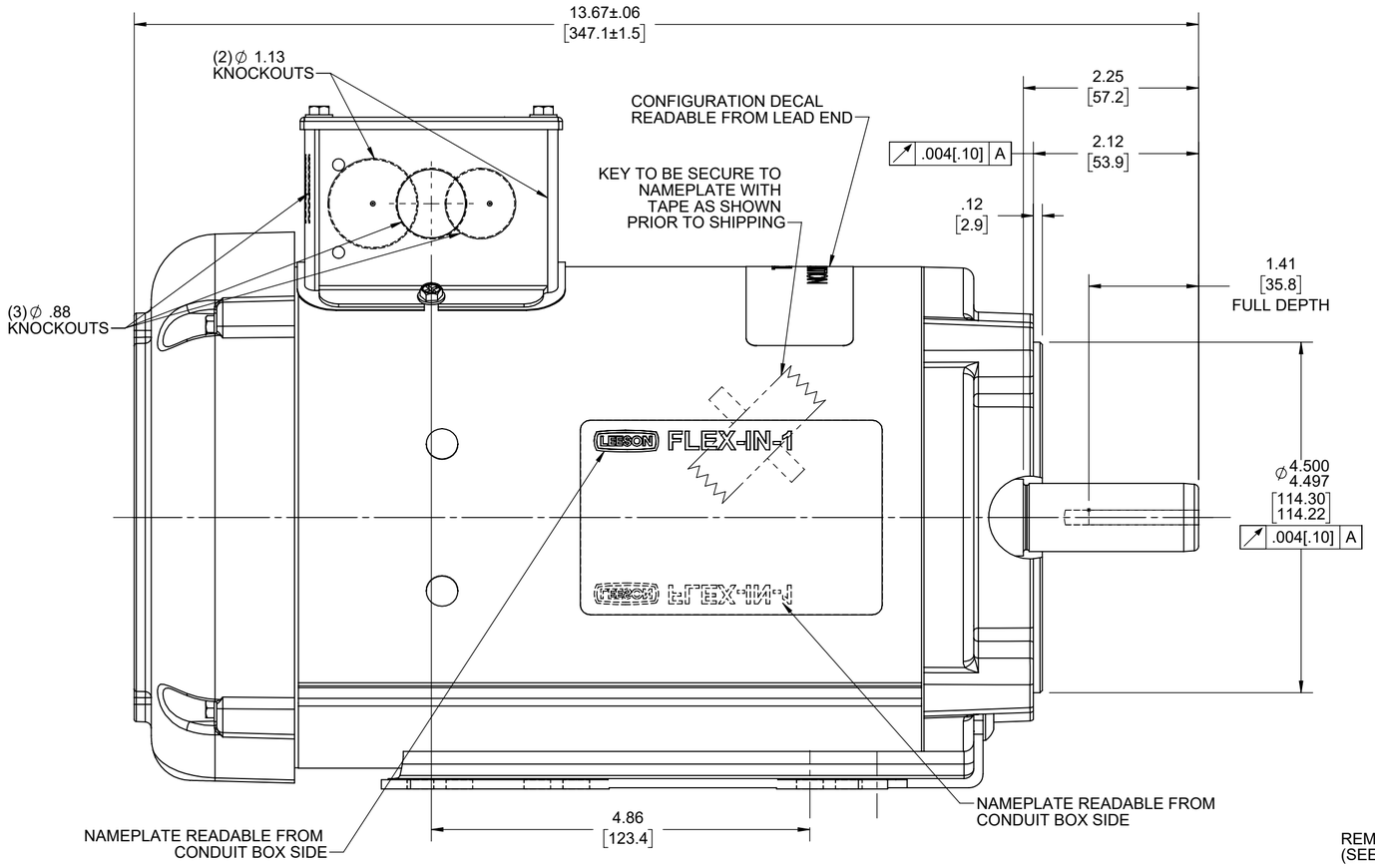
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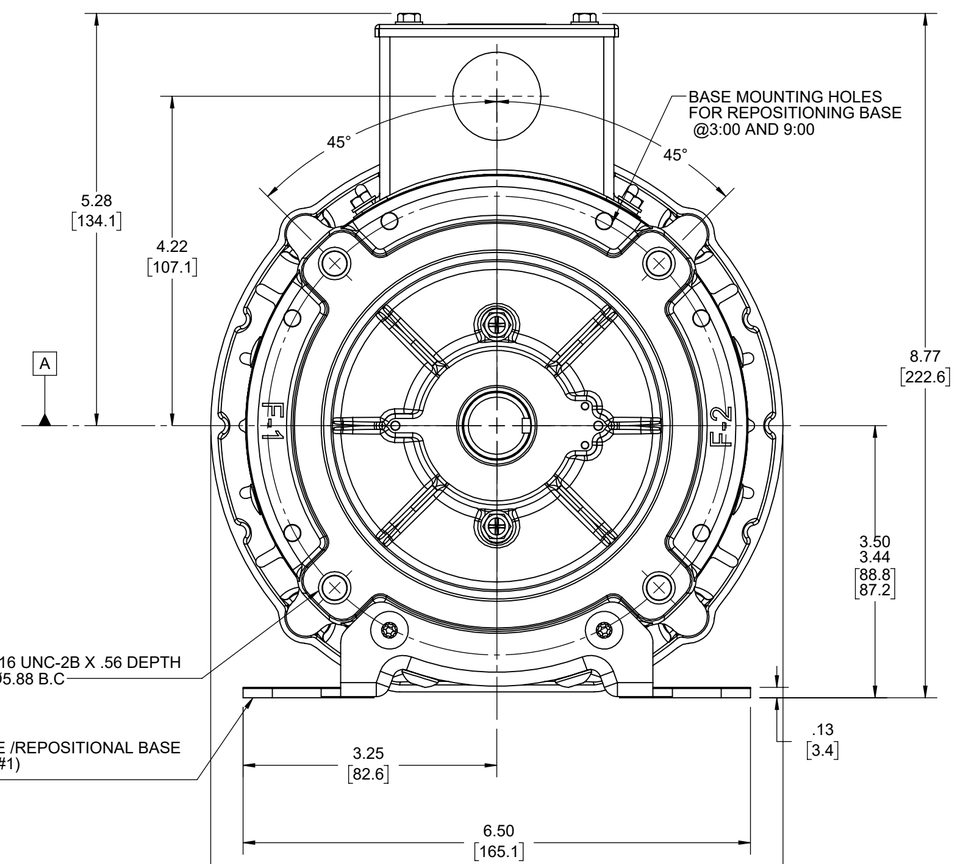
| DEC. | INCH | mm | ANGLE |
|---|---|---|---|
| .X | ±0.1 | [±3] | ±0.5° |
| .XX | ±0.02 | [±0.5] | |
| .XXX | ±0.005 | [±0.13] | |
| .XXXX | ±0.0005 | [±0.013] | |

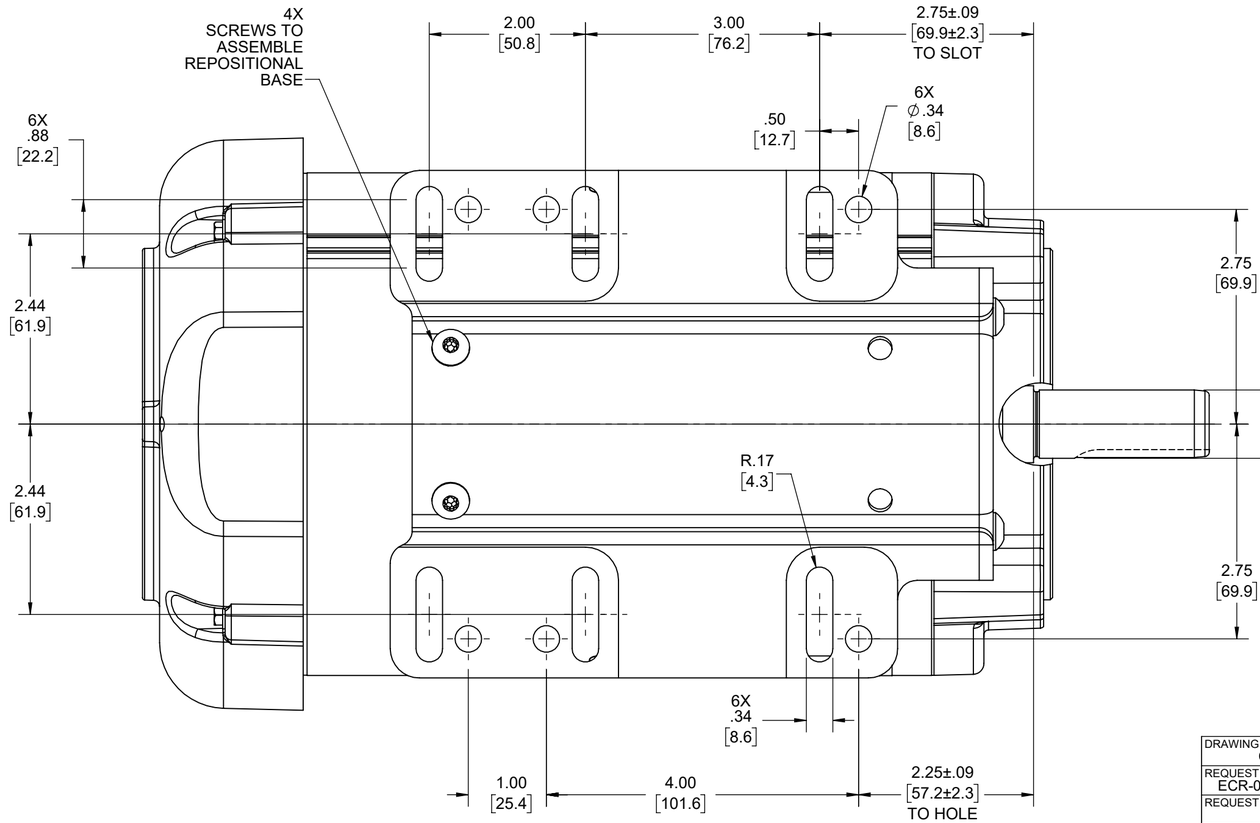
REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45°
CORNER FILLETS: R.02 [.5]
MACHINED SURFACES: 125 INCH / 3.2 mm
mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY

| | |
|---|---|
| DRAWN BY: PS | Regal Rexnord — Regal Beloit America, Inc. |
| DATE: 08/28/2023 | |
| APPROVED BY: PVR | DESCRIPTION: OUTLINE |
| DATE: 08/28/2023 | 56-140FR,TEFC, C-FACE, BOLT-ON |
| REFERENCE: OL56100872 | MATERIAL / PROCESS/FINISH |
| THIRD ANGLE PROJECTION | SIZE: C — DRAWING NUMBER: OL56100916-001 — SHEET: 2 OF3 |

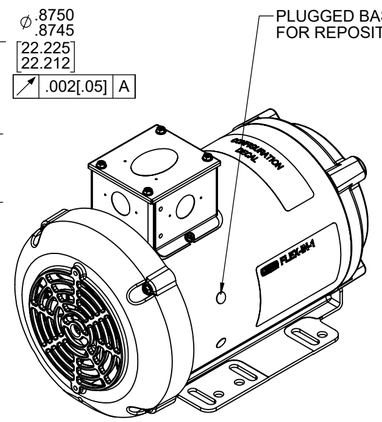
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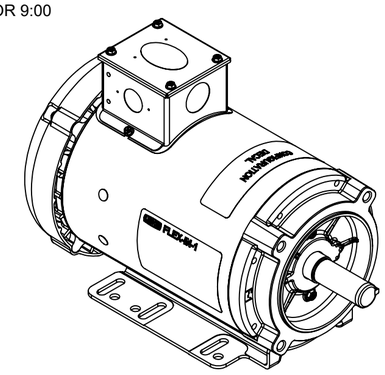



NOTES:
1)REPOSITIONAL BASE CAN BE REMOVED FOR
C-FACE MOUNTING OR REPOSITIONED TO 3:00 OR 9:00 FACING SHAFT
END OF MOTOR FOR NEMA F-1 OR F-2 CONDUIT BOX LOCATION




| | | |
|---|---|---|
| DRAWING REVISION: C | REVISION BY: M.P | REV DATE/© DATE: 03/06/2024 |
| REQUEST NUMBER: ECR-0231732 | APPROVED BY: P.V.R | DATE: 03/06/2024 |
| REQUEST NUMBER DESCRIPTION: UPDATED AS PER ECR | | |

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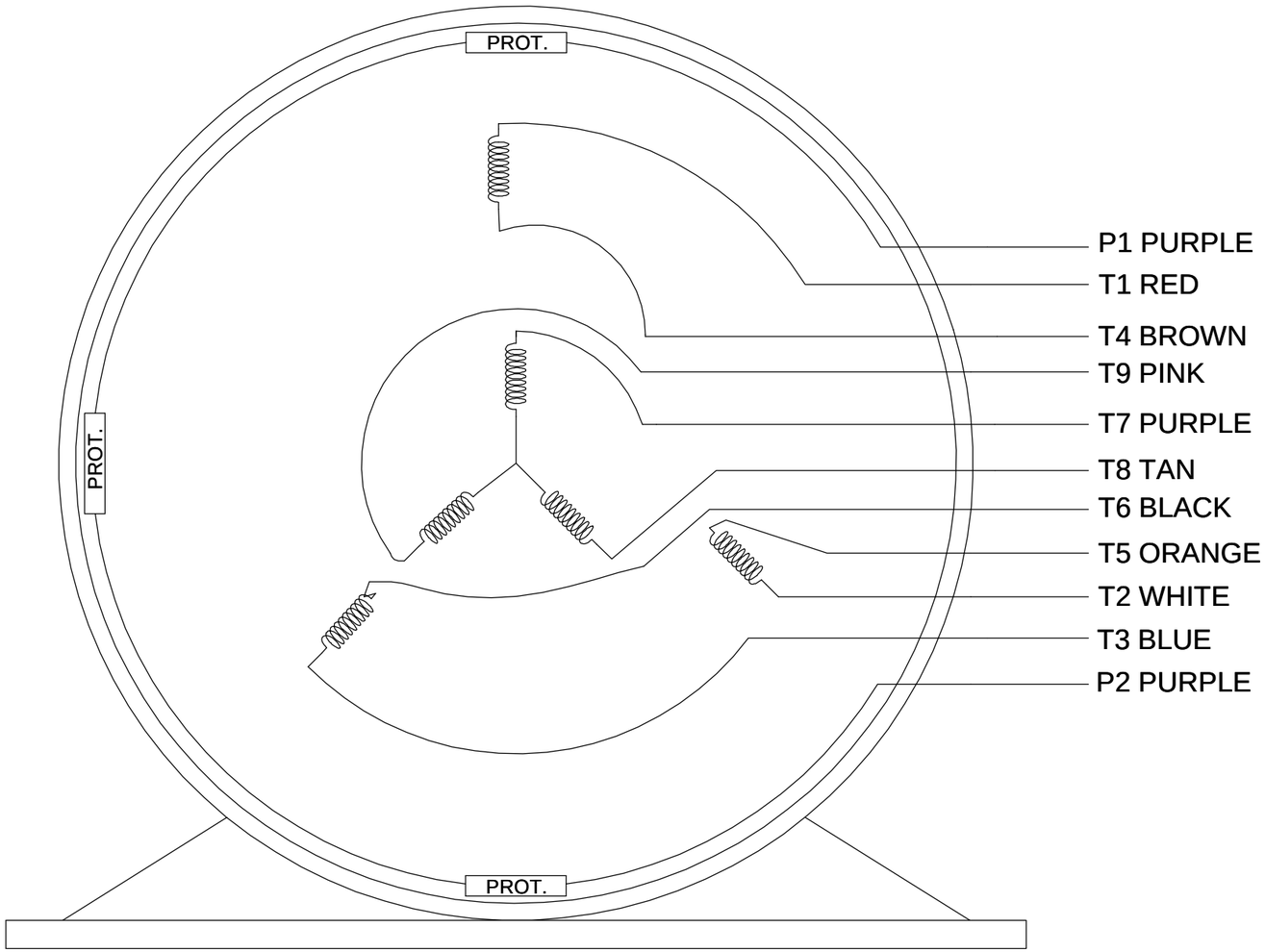
TOLERANCES (EXCEPT AS NOTED):

| DEC. | INCH | mm | ANGLE |
|---|---|---|---|
| .X | ±0.1 | [±3] | ±0.5° |
| .XX | ±0.02 | [±0.5] | |
| .XXX | ±0.005 | [±0.13] | |
| .XXXX | ±0.0005 | [±0.013] | |

REMOVE BURRS & BREAK SHARP
EDGES: .003/.015 [.08/.38] X 45°
CORNER FILLETS: R.02 [.5]
MACHINED SURFACES: 125 INCH / 3.2 mm
mm DIMENSIONS IN [BRACKETS]
ARE FOR REFERENCE ONLY

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|---|---|
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| REFERENCE: OL56100872 | MATERIAL / PROCESS/FINISH |
| THIRD ANGLE PROJECTION | SIZE: C — DRAWING NUMBER: OL56100916-001 — SHEET: 3 OF3 |

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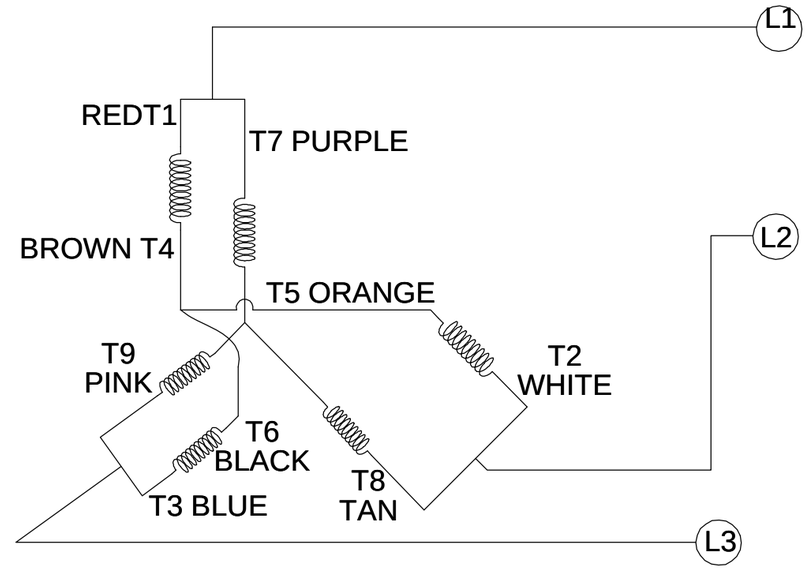

VIEW OF TERMINAL END

NOTES:

1. TO REVERSE ROTATION, INTERCHANGE ANY TWO LINE CONNECTIONS TO L1, L2, OR L3.
2. CONNECTION DIAGRAM-NAMEPLATE DD10042-002.

## CCW LOW VOLTAGE

001




## CCW HIGH VOLTAGE

002




| | | |
|---|---|---|
| DRAWING REVISION: D | REVISION BY: KHADHAR | DATE: 12/05/2018 |
| ECO: ECO-0157853 | APPROVED BY: CD | DATE: 12/05/2018 |
| ECO DESCRIPTION: UPDATED CONNECTION DIAGRAM NAMEPLATE NUM. | | |

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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]
CORNER FILLETS: .02 [.51]
MACHINED SURFACES: 125 INCH / 3.2 mm
mm SHOWN IN [BRACKETS]

| | |
|---|---|
| DRAWN BY: G. RODRIGUEZ | Regal Beloit America, Inc. |
| DATE: 25-01-2016 | |
| APPROVED BY: E.VILLA | DESCRIPTION: CONN DIAGRAM-EXTERNAL |
| DATE: 25-01-2016 | |
| REFERENCE: EE7308T | MATERIAL / PROCESS/FINISH |
| THIRD ANGLE PROJECTION | SIZE: B / DRAWING NUMBER: CDTD113 / SHEET: 1 OF 1 |

# 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 : 145TTFR16448

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

Catalog No : FX32BK008

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