

# PRODUCT INFORMATION PACKET



Model No: 215THFS18051  
Catalog No: 215THFS18051  
10,1800,TEBC-AXIAL,215TC,3/60/230/460

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### Nameplate Specifications

|                        |             |                            |  |
|------------------------|-------------|----------------------------|--|
| Phase                  | 3           | Output HP                  | 10 Hp                                  |
| Output KW              | 7.5 kW      | Voltage                    | 230/460 V                              |
| Speed                  | 1765 rpm    | Service Factor             | 1                                      |
| Frame                  | 215TC       | Enclosure                  | Totally Enclosed Blower cooled - Axial |
| Thermal Protection     | Thermostat  | Efficiency                 | 90.2 %                                 |
| Ambient Temperature    | 40 °C       | Frequency                  | 60 Hz                                  |
| Current                | 25.4/12.7 A | Power Factor               | 81                                     |
| Duty                   | Continuous  | Insulation Class           | H                                      |
| Design Code            | INV         | KVA Code                   | H                                      |
| Drive End Bearing Size | 6309        | Opp Drive End Bearing Size | 6207                                   |
| UL                     | Recognized  | CSA                        | Y                                      |
| CE                     | Y           | IP Code                    | 43                                     |
| Number of Speeds       | 1           |                            |  |

### Technical Specifications



|                       |                             |                       |               |
|-----------------------|-----------------------------|-----------------------|---------------|
| Electrical Type       | Squirrel Cage Inverter Duty | Starting Method       | Inverter Only |
| Poles                 | 4                           | Rotation              | Reversible    |
| Resistance Main       | .9 Ohms                     | Mounting              | Rigid Base    |
| Motor Orientation     | Horizontal                  | Drive End Bearing     | Ball          |
| Opp Drive End Bearing | Ball                        | Frame Material        | Cast Iron     |
| Shaft Type            | T                           | Assembly/Box Mounting | F3            |
| Outline Drawing       | B-SS810038-1000             | Connection Drawing    | A-EE7308T     |

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NOTES:  
1- NAMEPLATE READ FROM 'A' LOCATION ON MOTOR.

| DASH | FRAME   | B    | C     | AG    | 2F   | 2FF  | BS   |
|------|---------|------|-------|-------|------|------|------|
| 1000 | 213/5TC | 9.75 | 33.38 | 30.25 | 5.50 | 7.00 | 2.38 |

|  |  |                   |  |                               |  |  |  |                    |  |  |  |   |  |                            |  |
|--|--|-------------------|--|-------------------------------|--|--|--|--------------------|--|--|--|---|--|----------------------------|--|
| DRAWING REVISION<br>B  |  | REVISION BY<br>VS |  | REV DATE/© DATE<br>05/27/2022 |  | TOLERANCES (EXCEPT AS NOTED):<br>DEC. INCH mm ANGLE<br>.X ±0.1 [±3] ±7° 30"<br>.XX ±0.03 [±0.8]<br>.XXX ±0.005 [±0.13]<br>.XXXX ±0.0005 [±0.013] |  |                    |  | DRAWN BY<br>AJW  |  | <div></div> Regal Beloit America, Inc. |  |                            |  |
| REQUEST NUMBER<br>NMR-0214287  |  | APPROVED BY<br>VS |  | DATE<br>05/27/2022            |  |  |  |                    |  | DATE<br>12-29-2014   |  | DESCRIPTION<br><br>OUTLINE<br>210TC FR.-TEBC-AXIAL  |  |                            |  |
| REQUEST NUMBER DESCRIPTION<br>VIEWS UPDATED  |  |                   |  |                               |  | APPROVED BY<br>TB  |  | DATE<br>01/30/2015 |  |  |  |   |  |                            |  |
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|  |  |                   |  |                               |  | mm DIMENSIONS IN [BRACKETS]<br>ARE FOR REFERENCE ONLY  |  |                    |  | THIRD ANGLE PROJECTION  |  | SIZE<br>B   |  | DRAWING NUMBER<br>SS810038 |  |

## HIGH VOLTAGE



NOTE FOR FACTORY USE ONLY:  
 TO SURGE TEST FOR COMMON CONNECT:  
 HIGH VOLT: CONNECT P1 TO T1  
 THEN P2 TO L1  
 LOW VOLT: CONNECT P1 TO T1 & T7,  
 THEN P2 TO L1

## LOW VOLTAGE

THREE PHASE  
DUAL VOLTAGE MOTOR

## VIEW OF TERMINAL END

NOTE: LEAD'S COLOR CAN BE YELLOW OR WHITE FOR MT2 PLANT

|                       |                   |                    |
|-----------------------|-------------------|--------------------|
| DRAWING REVISION<br>T | REVISION BY<br>ZR | DATE<br>01-14-2019 |
| ECO<br>ECO-0159915    | APPROVED BY<br>DR | DATE<br>01-15-2019 |

ECO DESCRIPTION  
ADDED TERMINAL CONNECTION DIAGRAM

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|                            |                           |
|----------------------------|---------------------------|
| DRAWN BY<br>SMC            | DATE<br>05-13-1992        |
| APPROVED BY<br>TB          | DATE<br>05-13-1992        |
| REFERENCE<br>EE7308/EE7300 | THIRD ANGLE<br>PROJECTION |



Regal Beloit America, Inc.

## DESCRIPTION

**CONN DIAGRAM-INTERNAL**  
 3 PHASE - DUAL VOLTAGE MOTOR

## MATERIAL

## PROCESS/FINISH

SIZE  
A

## DRAWING NUMBER

EE7308T

SHEET  
1 OF 1

