

# PRODUCT INFORMATION PACKET

Model No: 324TTTS16535

Catalog No: U1875

40 HP Severe Duty Motor, 3 phase, 1800 RPM, 230/460 V, 324TV Frame, TEAO  
Low Voltage NEMA Cooling Tower Motors



### Nameplate Specifications

|                        |             |                            |                           |
|------------------------|-------------|----------------------------|---------------------------|
| Output HP              | 40 Hp       | Output KW                  | 30.0 kW                   |
| Frequency              | 60 Hz       | Voltage                    | 230/460 V                 |
| Current                | 95.0/47.5 A | Speed                      | 1780 rpm                  |
| Service Factor         | 1.15        | Phase                      | 3                         |
| Efficiency             | 94.1 %      | Power Factor               | 83                        |
| Duty                   | Continuous  | Insulation Class           | F                         |
| Design Code            | B           | KVA Code                   | G                         |
| Frame                  | 324TV       | Enclosure                  | Totally Enclosed Air Over |
| Thermal Protection     | No          | Ambient Temperature        | 40 °C                     |
| Drive End Bearing Size | 6312        | Opp Drive End Bearing Size | 6311                      |
| UL                     | Recognized  | CSA                        | Y                         |
| CE                     | Y           | IP Code                    | 56                        |

### Technical Specifications

|                       |                              |                       |                  |
|-----------------------|------------------------------|-----------------------|------------------|
| Electrical Type       | Squirrel Cage Inverter Rated | Starting Method       | Line Or Inverter |
| Poles                 | 4                            | Rotation              | Reversible       |
| Resistance Main       | .135 Ohms                    | Mounting              | Rigid base       |
| Motor Orientation     | Horizontal Or Up Or Down     | Drive End Bearing     | Ball             |
| Opp Drive End Bearing | Ball                         | Frame Material        | Cast Iron        |
| Shaft Type            | T                            | Overall Length        | 27.72 in         |
| Frame Length          | 13.00 in                     | Shaft Diameter        | 2.125 in         |
| Shaft Extension       | 5.5 in                       | Assembly/Box Mounting | F1/F2 CAPABLE    |
| Connection Drawing    | A-EE7308                     | Outline Drawing       | B-SS310468-1300  |

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| NO.  |  | REVISION |            | BY & DATE |       | CHK    |  | ANG |  | FINISH  |                 | PREV   |                    |           |        |
|--|--|----------|------------|-----------|-------|--------|--|-----|--|---------|-----------------|--------|--------------------|-----------|--------|
| 5  | CHG TO REGAL LOGO                              | SL       | 09/10/2015 | AB        |       |        |  |     |  |         |                 |        |                    |           |        |
| 4  | REVISED IEC NOTATIONS                          | MSG      | 11/15/2011 | CMN       | .X    | ±.1    |  |     |  |         |                 |        |                    |           |        |
| 3  | ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194 | MSG      | 5/10/2010  | MJS       | .XX   | ±.02   |  |     |  |         |                 |        |                    |           |        |
| 2  | ADDED THE OPTIONAL CORD CONNECTION MU46318     | RDH      | 04/24/2003 | DRS       | .XXX  | ±.005  |  |     |  |         |                 |        |                    |           |        |
| 1  | REDRAWN  | RM       | 11/20/1990 |           | .XXXX | ±.0005 |  |     |  |         |                 |        |                    |           |        |
|  |  |          |            |           |       |        |  |     |  |         |                 |        |                    |           |        |
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|  |  |          |            |           |       |        |  |     |  | DIST WP |                 |        |                    |           |        |

**REGAL**™ Regal Beloit America, Inc.

DRAWN RM 11/20/1990  
 CHK ML 11/21/1990  
 APPD SAS 04/24/2003  
 SCALE 1=1  
 REF  
 FMF  
 PREV

TITLE CONNECTION DIAGRAM  
 3Ø - DUAL VOLTAGE MOTOR

