

# PRODUCT INFORMATION PACKET

**marathon**<sup>®</sup>  
Motors

Model No: 256TTDX7054

Catalog No: M124

Other Purpose Motor, 20 & 15 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 1800 & 1500 RPM,  
256JP Frame, DP

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The logo for Regal Rexnord, featuring a stylized 'R' icon followed by the text 'RegalRexnord'.

### Nameplate Specifications

|                        |                                 |                            |                                    |
|------------------------|---------------------------------|----------------------------|------------------------------------|
| Phase                  | <b>3</b>                        | Output HP                  | <b>20 &amp; 15 Hp</b>              |
| Output KW              | <b>14.9 &amp; 11.2 kW</b>       | Voltage                    | <b>208-230/460 &amp; 190/380 V</b> |
| Speed                  | <b>1750 &amp; 1460 rpm</b>      | Service Factor             | <b>1.15 &amp; 1.15</b>             |
| Frame                  | <b>256JP</b>                    | Enclosure                  | <b>Drip Proof</b>                  |
| Thermal Protection     | <b>No Protection</b>            | Efficiency                 | <b>88.5 &amp; 89.5 %</b>           |
| Ambient Temperature    | <b>40 °C</b>                    | Frequency                  | <b>60 &amp; 50 Hz</b>              |
| Current                | <b>56-53/26.5 &amp; 48/24 A</b> | Power Factor               | <b>79.2</b>                        |
| Duty                   | <b>Continuous</b>               | Insulation Class           | <b>B</b>                           |
| Design Code            | <b>B</b>                        | KVA Code                   | <b>G</b>                           |
| Drive End Bearing Size | <b>6309</b>                     | Opp Drive End Bearing Size | <b>6208</b>                        |
| UL                     | <b>No</b>                       | CSA                        | <b>Y</b>                           |
| CE                     | <b>Y</b>                        | IP Code                    | <b>12</b>                          |
| Number of Speeds       | <b>1</b>                        |                            |                                    |

### Technical Specifications

|                       |                                    |                       |                        |
|-----------------------|------------------------------------|-----------------------|------------------------|
| Electrical Type       | <b>Squirrel Cage Induction Run</b> | Starting Method       | <b>Across The Line</b> |
| Poles                 | <b>4</b>                           | Rotation              | <b>Reversible</b>      |
| Resistance Main       | <b>.5 Ohms</b>                     | Mounting              | <b>Rigid Base</b>      |
| Motor Orientation     | <b>Horizontal</b>                  | Drive End Bearing     | <b>Ball</b>            |
| Opp Drive End Bearing | <b>Ball</b>                        | Frame Material        | <b>Rolled Steel</b>    |
| Shaft Type            | <b>JP</b>                          | Overall Length        | <b>27.04 in</b>        |
| Frame Length          | <b>15.15 in</b>                    | Shaft Diameter        | <b>1.250 in</b>        |
| Shaft Extension       | <b>8.15 in</b>                     | Assembly/Box Mounting | <b>F1/F2 CAPABLE</b>   |
| Outline Drawing       | <b>A-SS86519-1515</b>              | Connection Drawing    | <b>A-EE7308</b>        |



EE7308

THREE PHASE  
DUAL VOLTAGE MOTOR



VIEW OF TERMINAL END

REF.  
WINDING DIAGRAM

T8Y, T2Y, T2BL, T4BX, T2EC, T2G  
T6BZ, T2B, T6BL, T4AV, T6B, T4B

OPTIONAL CORD  
CONNECTION

L1 — WHITE  
L2 — RED  
L3 — BLACK

| NO.  | REVISION                                       | BY & DATE      | CHK | ANG   | TOLERANCES<br>UNLESS SPECIFIED |        | FINISH                   | DRAWN RM 11/20/1990 |        |                    |           |        |
|--|--|----------------|-----|-------|--------------------------------|--------|--------------------------|---------------------|--------|--------------------|-----------|--------|
|  |  |                |     |       | DEC.                           | INCHES |                          |                     |        |                    |           |        |
| 5  | CHG TO REGAL LOGO                              | SL 09/10/2015  | AB  |       |                                |        |                          | CHK ML 11/21/1990   |        |                    |           |        |
| 4  | REVISED IEC NOTATIONS                          | MSG 11/15/2011 | CMN | .X    | ±.1                            |        |                          | APPD SAS 04/24/2003 |        |                    |           |        |
| 3  | ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194 | MSG 5/10/2010  | MJS | .XX   | ±.02                           |        | TITLE CONNECTION DIAGRAM | SCALE 1=1           |        |                    |           |        |
| 2  | ADDED THE OPTIONAL CORD CONNECTION MU46318     | RDH 04/24/2003 | DRS | .XXX  | ±.005                          |        | 3Ø - DUAL VOLTAGE MOTOR  | REF                 |        |                    |           |        |
| 1  | REDRAWN  | RM 11/20/1990  |     | .XXXX | ±.0005                         |        | MAT'L.                   | FMF                 |        |                    |           |        |
|  |  |                |     |       | ±7'30"                         |        |                          | PREV                |        |                    |           |        |
| 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 THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT |  |                |     |       |                                |        | RFP                      | CAD FILE ee7308     | SIZE A | DRAWING NO. EE7308 | PAGE OF 5 | REV. 5 |
|  |  |                |     |       |                                |        | DIST WP                  |                     |        |                    |           |        |

