

# PRODUCT INFORMATION PACKET

**marathon®**  
Motors

Model No: 254TTDX4344  
Catalog No: E186  
15,1800,DP,254JM,3/60/575  
JM



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**REGAL**

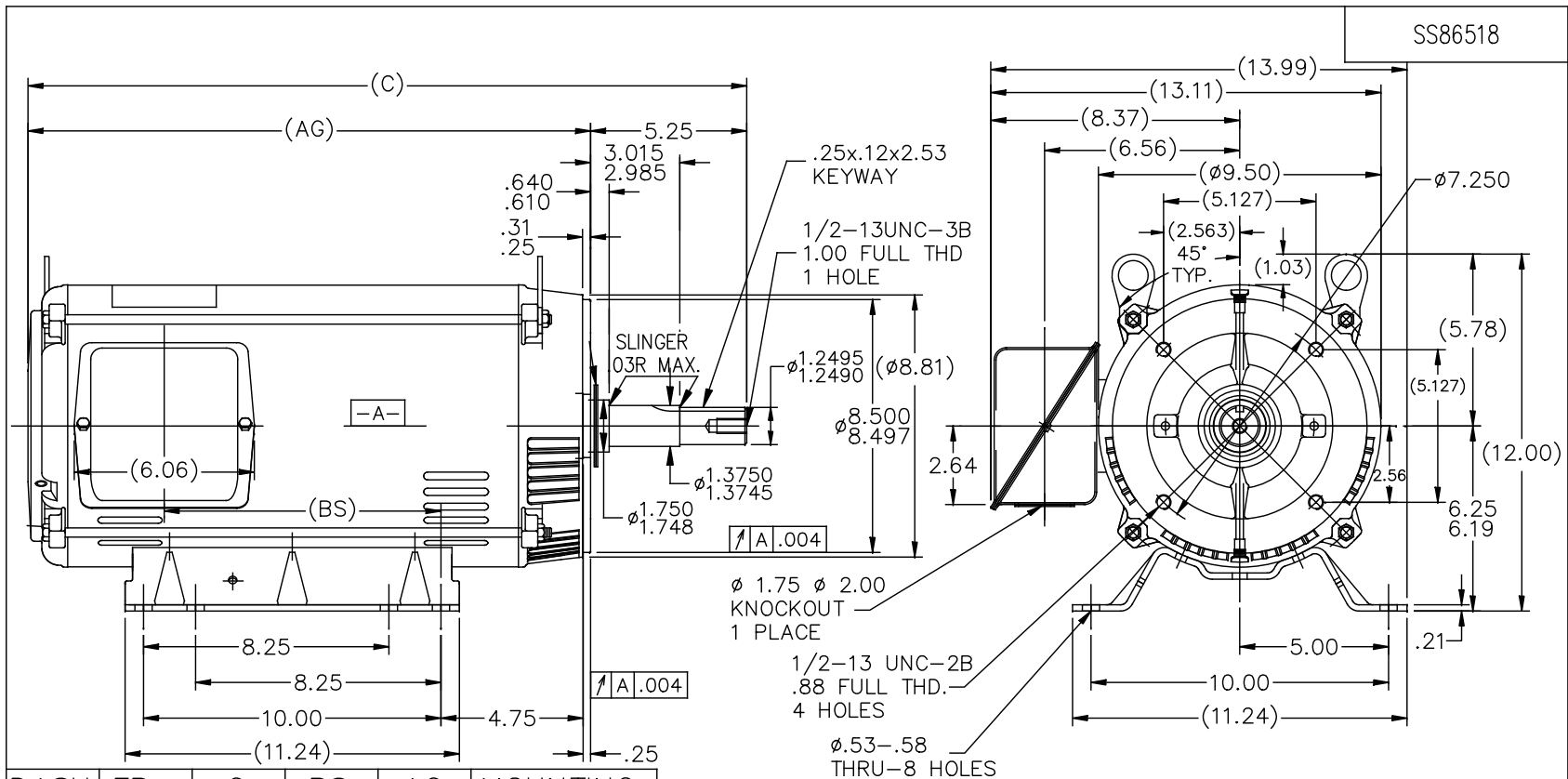


## Nameplate Specifications

|                            |        |                        |            |
|----------------------------|--------|------------------------|------------|
| Output HP                  | 15 Hp  | Output KW              | 11.2 kW    |
| Frequency                  | 60 Hz  | Voltage                | 575 V      |
| Current                    | 15.4 A | Speed                  | 1760 rpm   |
| Service Factor             | 1.15   | Phase                  | 3          |
| Efficiency                 | 91 %   | Duty                   | CONTINUOUS |
| Insulation Class           | B      | Design Code            | B          |
| KVA Code                   | G      | Frame                  | 254JM      |
| Enclosure                  | DP     | Overload Protector     | NOT        |
| Ambient Temperature        | 40 °C  | Drive End Bearing Size | 6309       |
| Opp Drive End Bearing Size | 6208   | UL                     | Recognized |
| CSA                        | Y      | CE                     | Y          |
| IP Code                    | 12     |                        |            |

## Technical Specifications

|                       |                 |                       |                 |
|-----------------------|-----------------|-----------------------|-----------------|
| Electrical Type       | SQ CAGE IND RUN | Starting Method       | ACROSS THE LINE |
| Poles                 | 4               | Rotation              | REV             |
| Mounting              | RIGID           | Motor Orientation     | HORIZONTAL      |
| Drive End Bearing     | BALL            | Opp Drive End Bearing | BALL            |
| Frame Material        | ROLLED STEEL    | Shaft Type            | JM              |
| Overall Length        | 24.17 in        | Frame Length          | 15.15 in        |
| Shaft Diameter        | 1.25 in         | Shaft Extension       | 5.25 in         |
| Assembly/Box Mounting | F1/F2 CAPABLE   |                       |                 |
| Outline Drawing       | A-SS86518-1515  | Connection Diagram    | A-EE7300        |



SS86518

| DASH | FR.       | C     | BS   | AG    | MOUNTING |
|------|-----------|-------|------|-------|----------|
| 1340 | 254JM     | 22.42 | 7.68 | 17.17 | F1 OR F2 |
| 1515 | 254/256JM | 24.17 | 9.43 | 18.92 | F1 OR F2 |

## NOTES:

1. NAMEPLATE TO BE READ FROM C'BOX SIDE OF MOTOR.
2. BOX CAN BE MOUNTED IN 90° STEPS.
3. BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°. (EXCEPT AS NOTED.)

|  |  | TOLERANCES UNLESS SPECIFIED |  | DEC. |  | INCHES |  | DRAWN DJK 10-19-1993 |  |
|--|--|-----------------------------|--|------|--|--------|--|----------------------|--|
|  |  |                             |  |      |  |        |  | CHK ML 10-22-1993    |  |
|  |  |                             |  |      |  |        |  | APPD DRN 10-22-1993  |  |
|  |  |                             |  |      |  |        |  | SCALE 1=5            |  |
|  |  |                             |  |      |  |        |  | REF                  |  |
|  |  |                             |  |      |  |        |  | FMF                  |  |
|  |  |                             |  |      |  |        |  | PREV                 |  |
|  |  |                             |  |      |  |        |  | RFP                  |  |
|  |  |                             |  |      |  |        |  | CAD FILE ss86518     |  |
|  |  |                             |  |      |  |        |  | SIZE A               |  |
|  |  |                             |  |      |  |        |  | DRAWING NO. SS86518  |  |
|  |  |                             |  |      |  |        |  | PAGE OF 7            |  |
|  |  |                             |  |      |  |        |  | REV. 7               |  |

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DIST LB



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TITLE OUTLINE  
250 JM FR. - BB - TS - DR.PR. - 'C' FACE

MAT'L. "JM EXT."

FINISH

# THREE PHASE - SINGLE VOLTAGE MOTOR - CONDUIT BOX @ 'A'

TO REVERSE ROTATION:  
INTERCHANGE ANY TWO  
LINE LEAD CONNECTIONS.

## TERMINAL BLOCK WHEN SPECIFIED



### IF MOTOR HAS 6 LEADS



A-9806 DECAL

### OPTIONAL CORD CONNECTION



## VIEW OF TERMINAL END

|   |                    |                    |
|---|--------------------|--------------------|
| DRAWING REVISION<br>AB  | REVISION BY<br>JJB | DATE<br>06-27-2017 |
| ECO<br>ECO-0125361  | APPROVED BY<br>TB  | DATE<br>06-27-2017 |
| ECO DESCRIPTION<br>UPDATED TO CURRENT STANDARDS   |                    |                    |
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|                           |
|---------------------------|
| DRAWN BY<br>DA            |
| DATE<br>03-26-1993        |
| APPROVED BY<br>TB         |
| DATE<br>03-26-1993        |
| REFERENCE                 |
| THIRD ANGLE<br>PROJECTION |



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DESCRIPTION  
**CONNECTION DIAGRAM**  
EXTERNAL - SINGLE VOLTAGE - 3Ø MOTOR

MATERIAL PROCESS/FINISH

|           |                          |                 |
|-----------|--------------------------|-----------------|
| SIZE<br>A | DRAWING NUMBER<br>EE7300 | SHEET<br>1 OF 1 |
|-----------|--------------------------|-----------------|