# PRODUCT INFORMATION PACKET

Model No: 256TTDX7024
Catalog No: H627
25 HP General Purpose Motor, 3 phase, 3600 RPM, 200 V, 256T Frame, ODP
General Purpose Motors

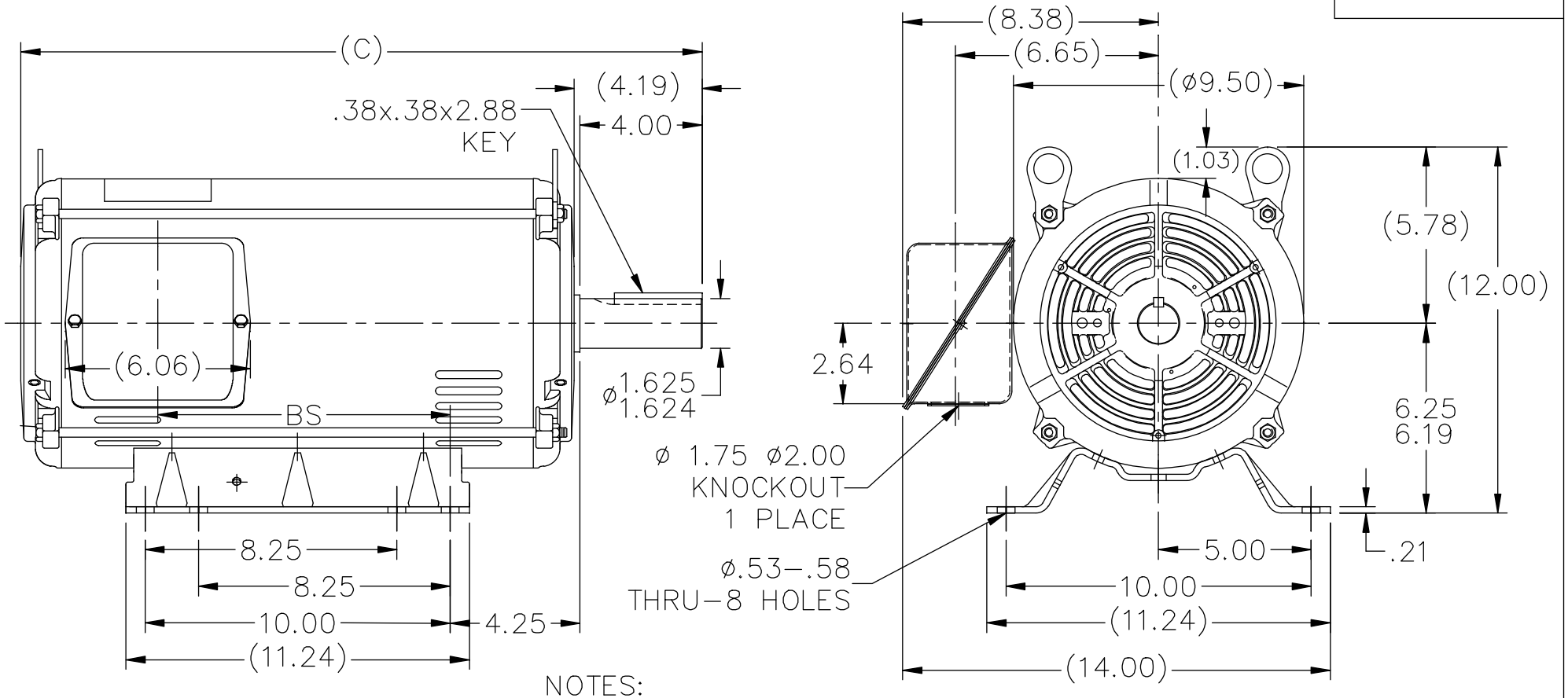
marathon® Motors

## Nameplate Specifications

| | | | |
|---|---|---|---|
| Output HP | **25 Hp** | Output KW | **18.7 kW** |
| Frequency | **60 Hz** | Voltage | **200 V** |
| Current | **70.0 A** | Speed | **3515 rpm** |
| Service Factor | **1.15** | Phase | **3** |
| Efficiency | **89.5 %** | Power Factor | **84.9** |
| Duty | **Continuous** | Insulation Class | **B** |
| Design Code | **B** | KVA Code | **G** |
| Frame | **256T** | Enclosure | **Drip Proof** |
| Thermal Protection | **No** | Ambient Temperature | **40 °C** |
| Drive End Bearing Size | **6309** | Opp Drive End Bearing Size | **6208** |
| UL | **Recognized** | CSA | **Y** |
| CE | **Y** | IP Code | **12** |
| Number of Speeds | **1** | | |

## Technical Specifications

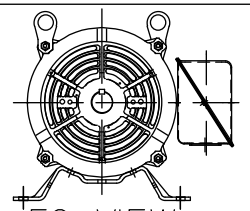
| | | | |
|---|---|---|---|
| Electrical Type | **Squirrel Cage Induction Run** | Starting Method | **Across The Line** |
| Poles | **2** | Rotation | **Reversible** |
| Resistance Main | **.42 Ohms** | Mounting | **Rigid Base** |
| Motor Orientation | **Horizontal** | Drive End Bearing | **Ball** |
| Opp Drive End Bearing | **Ball** | Frame Material | **Rolled Steel** |
| Shaft Type | **T** | Overall Length | **22.32 in** |
| Frame Length | **15.45 in** | Shaft Diameter | **1.625 in** |
| Shaft Extension | **4.19 in** | Assembly/Box Mounting | **F1/F2 CAPABLE** |
| Connection Drawing | **A-EE7300U** | Outline Drawing | **A-SS86503-1545** |




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.)
4. F2 MOUNT –USES 2ND HOLE ON 1370 FRAME.

| DASH | FR. | C | BS | MOUNTING |
|---|---|---|---|---|
| | | | | |
| | | | | |
| 1370 | 254T | 20.57 | 7.68 | F1 OR F2 |
| 1545 | 254T/256T | 22.32 | 9.43 | F1 OR F2 |




| NO. | REVISION | BY & DATE | CHK |
|---|---|---|---|
| 8 | ADDED F2 VIEW | UD 11/13/13 | GR |
| 7 | UPDATED DRAWING | TJW 04/27/2007 | |
| 6 | REDRAWN IN AUTOCAD | TAT 05-19-2005 | ML |
| 5 | UPDATED CONDUIT BOX CN 28427 | TJB 01-31-2000 | |
| 4 | ADDED NOTE #4 FOR F2 MOUNT CN 24000-581 | MH 06-10-1997 | |
| 3 | DASH 1545 WAS FOR 256T FR. ONLY CN 18683 | KL 09-12-1994 | |

| TOLERANCES UNLESS SPECIFIED | |
|---|---|
| DEC. | INCHES |
| .X | ±.1 |
| .XX | ±.03 |
| .XXX | ±.005 |
| .XXXX | ±.0005 |
| ANG | ±7'30" |

MARATHON ELECTRIC

| | |
|---|---|
| DRAWN | SMC 04-22-1993 |
| CHK | MOL 04-23-1993 |
| APPD | DRN 09-13-1993 |
| SCALE | 1=5 |
| REF | |
| FMF | |
| PREV | |

TITLE OUTLINE
250 FR. – BB – DR.PR.

MAT'L.

FINISH



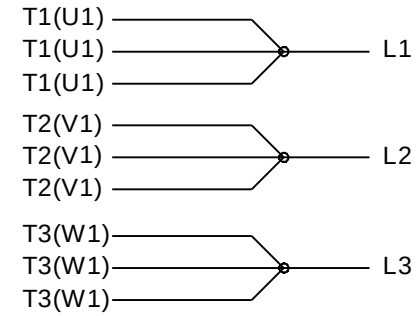
RFP

DIST LB

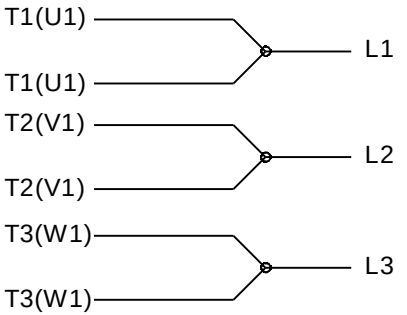
CAD FILE ss86503

| SIZE | DRAWING NO. PAGE OF | REV. |
|---|---|---|
| A | SS86503 | 8 |

IF MOTOR HAS 9 LEADS

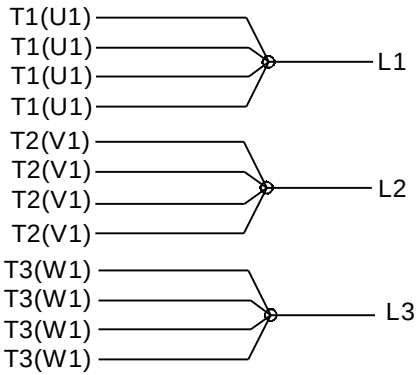


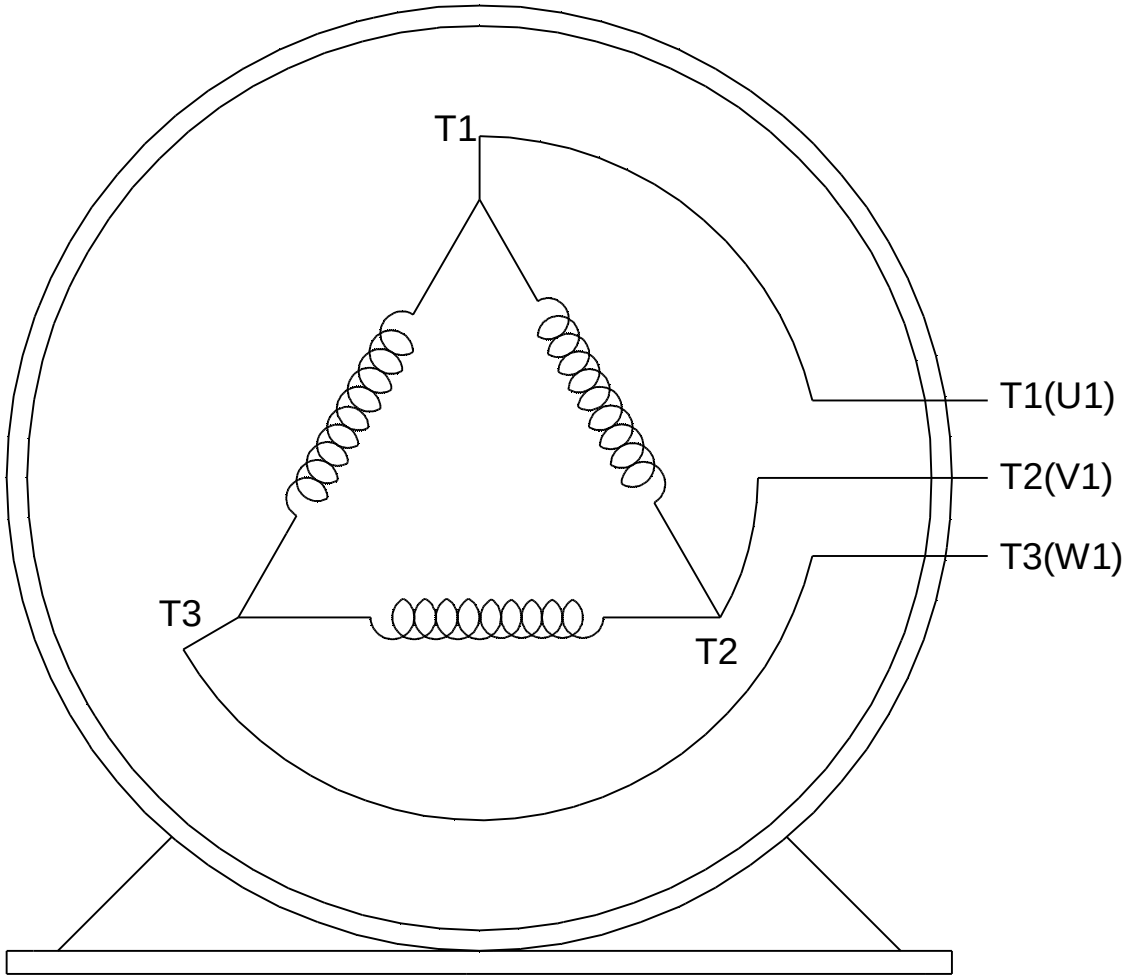

IF MOTOR HAS 6 LEADS




A-9806 DECAL IF CALLED FOR

IF MOTOR HAS 12 LEADS




VIEW OF TERMINAL END

| | | |
|---|---|---|
| DRAWING REVISION: L | REVISION BY: AJW | DATE: 05-04-2015 |
| ECO: ECO-0077067 | APPROVED BY: EWH | DATE: 05-05-2015 |

ECO DESCRIPTION: UPDATED TO SOLIDWORKS



TOLERANCES UNLESS OTHERWISE SPECIFIED:

| DEC. | INCH | mm | ANGLE |
|---|---|---|---|
| .X | ±0.1 | [±2.5] | ±7' 30" |
| .XX | ±0.02 | [±0.51] | |
| XXX | ±0.005 | [±0.127] | |
| .XXXX | ±0.0005 | [±0.0127] | |

REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381] X 45°
CORNER FILLETS: R.02 [.51]
MACHINED SURFACES: 200 INCH / 5.1 mm
mm SHOWN IN [BRACKETS]

| | |
|---|---|
| DRAWN BY: DRS | Regal Beloit America, Inc. |
| DATE: 09-27-1996 | |
| APPROVED BY: GK | DESCRIPTION: CONN DIAGRAM-EXTERNAL 3Ø SINDLE VOLTAGE |
| DATE: 09-30-1996 | |
| REFERENCE | MATERIAL / PROCESS/FINISH |
| THIRD ANGLE PROJECTION | SIZE: A / DRAWING NUMBER: EE7300U / SHEET: 1 OF 1 |