

PRODUCT INFORMATION PACKET

Model No: 284TTFNA6876
Catalog No: E483
15,1200,TEFC,284T,3/60/230/460
Severe Duty



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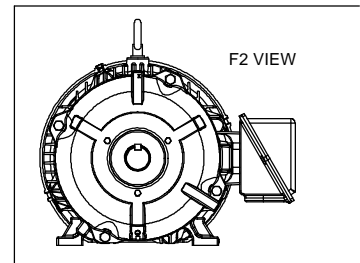
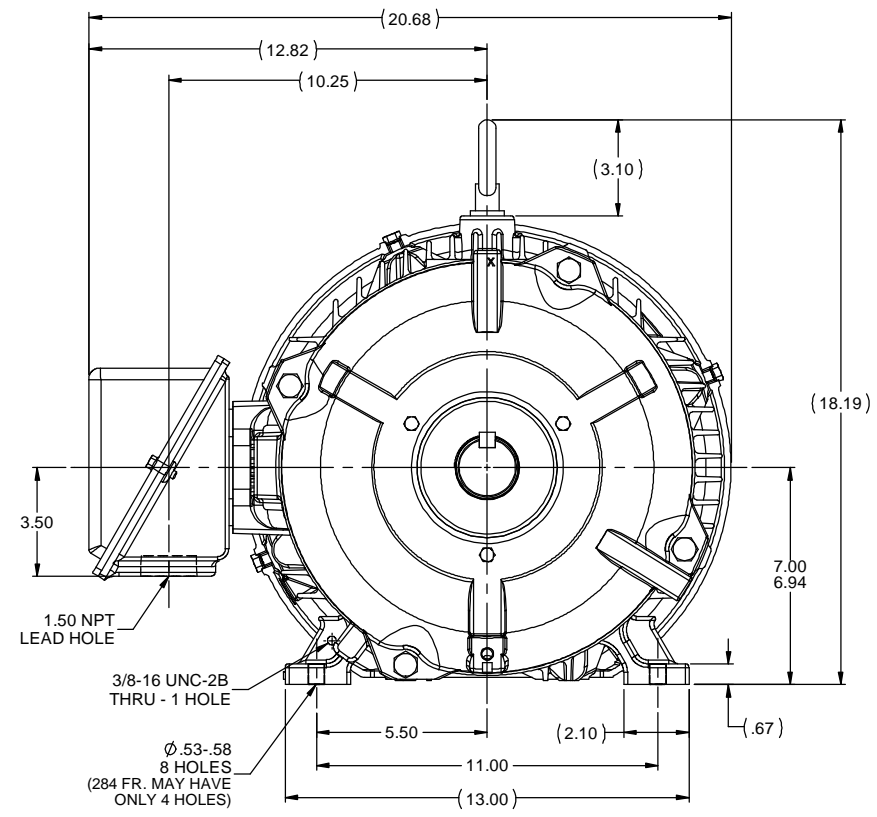
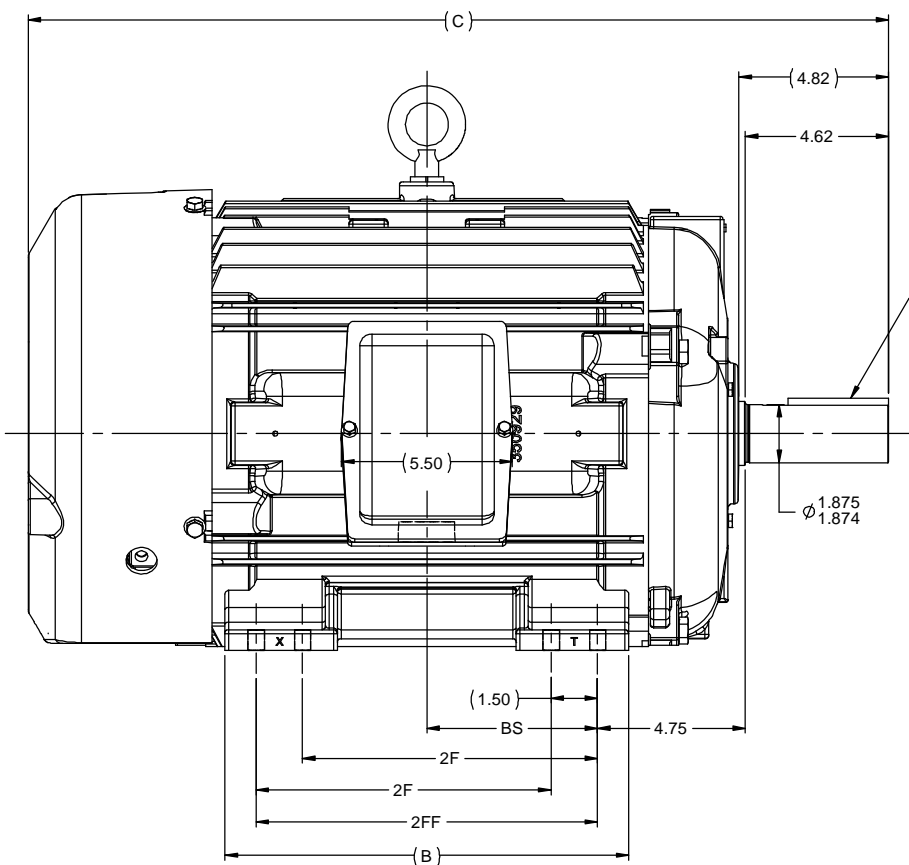
Nameplate Specifications

| | | | |
|----------------------------|------------------|------------------------|-------------------|
| Output HP | 15 Hp | Output KW | 11.2 kW |
| Frequency | 60 Hz | Voltage | 230/460 V |
| Current | 41/20.4 A | Speed | 1178 rpm |
| Service Factor | 1.15 | Phase | 3 |
| Efficiency | 91.7 % | Duty | CONTINUOUS |
| Insulation Class | F | Design Code | B |
| KVA Code | G | Frame | 284T |
| Enclosure | TEFC | Overload Protector | NOT |
| Ambient Temperature | 40 °C | Drive End Bearing Size | 6311 |
| Opp Drive End Bearing Size | 6210 | UL | Recognized |
| CSA | Y | CE | Y |
| IP Code | 54 | | |

Technical Specifications

| | | | |
|-----------------------|--------------------------|-----------------------|-------------------------|
| Electrical Type | SQ CAGE INV RATED | Starting Method | LINE OR INVERTER |
| Poles | 6 | Rotation | REV |
| Mounting | RIGID | Motor Orientation | HORIZONTAL |
| Drive End Bearing | BALL | Opp Drive End Bearing | BALL |
| Frame Material | CAST IRON | Shaft Type | T |
| Overall Length | 26.21 in | Frame Length | 12.75 in |
| Shaft Diameter | 1.88 in | Shaft Extension | 4.82 in |
| Assembly/Box Mounting | F1/F2 CAPABLE | | |
| Outline Drawing | B-SS311057-1275 | Connection Diagram | A-EE7308 |

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- NOTES:
 1. CONDUIT BOX CAN BE ROTATED UP TO 270 ° FROM ITS ORIGINAL POSITION.
 2. CONDUIT BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180 °.
 3. NAMEPLATE TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

| | | | | | | |
|-------------|--------------|----------|----------|-----------|------------|-----------|
| 1275 | 284T | 26.21 | 12.50 | 9.50 | --- | 4.75 |
| 1425 | 284/286T | 27.71 | 13.00 | 9.50 | 11.00 | 5.50 |
| DASH | FRAME | C | B | 2F | 2FF | BS |

| | | TOLERANCES UNLESS SPECIFIED | | marathon electric | | DRAWN |
|----|--------------------------------|-----------------------------|----------------------------|-------------------|----------|-----------------|
| | | DEC | INCHES | | | CAV 10-18-2000 |
| 4 | UPDATED TO NEW FRAME DESIGN | MU106205 | MSG 08-22-2012 | MSG | x | ±.1 |
| 3 | REDRAWN IN AUTOCAD - NO CHANGE | | TAT 06-29-2004 | ML | xx | ±.03 |
| 2 | ADDED NOTE 3 | MU35810 | DAH 02-06-2001 | ML | xxx | ±.005 |
| 1 | NEW DRAWING | MU34031 | MSG 08-23-2012 | ML | xxxx | ±.0005 |
| NO | REVISION | BY & DATE | CHK | LANG | ± 1/2° | FINISH |
| | | | RFP 10-18-2000 | | PREV | |
| | | | NETWORK FILE NAME SS311057 | | SIZE | DRAWING NO |
| | | | | | B | SS311057 |
| | | | | | | REV |
| | | | | | | 4 |



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 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 | | | | | |



Data Sheet

2841TFNA6876



Submittal
Data @ 460 V

Date: 6/19/2017

Customer:
Attention:
Submitted by:

FAREEDA DUDEKULA

Motor Load Data

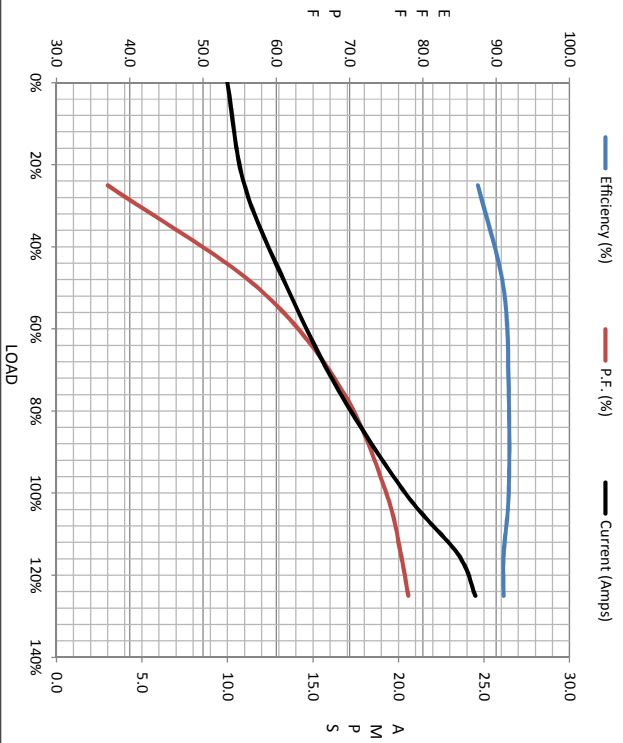
| Load | 0% | 25% | 50% | 75% | 100% | 115% | 125% | LR |
|----------------|------|------|------|------|------|------|------|------|
| Current (Amps) | 10.0 | 11.0 | 13.5 | 16.5 | 20.4 | 23.5 | 24.5 | 116 |
| Torque (ft-lb) | 0.00 | 16.5 | 33.0 | 50.0 | 66.9 | 77.0 | 84.0 | 120 |
| RPM | 1200 | 1194 | 1190 | 1184 | 1178 | 1174 | 1172 | 0 |
| Efficiency (%) | | 87.5 | 91.0 | 91.7 | 91.7 | 91.0 | 91.0 | |
| P.F. (%) | 5.1 | 37.0 | 57.5 | 69.0 | 75.0 | 77.0 | 78.0 | 35.5 |

Motor Speed Data

| | LR | Pull-Up | BD | Rated | Idle |
|----------------|-----|---------|------|-------|------|
| Speed (rpm) | 0 | 700 | 1085 | 1178 | 1200 |
| Current (Amps) | 116 | 110 | 75.0 | 20.4 | 10.0 |
| Torque (ft-lb) | 120 | 115 | 205 | 66.9 | 0.00 |

Information Block

| | |
|----------------------------|-----------------|
| HP | 15.0 |
| Sync. RPM | 1200 |
| Frame | 284 |
| Enclosure | TEFC |
| Construction | TFN |
| Voltage | 230/460 V |
| Frequency | 60 Hz |
| Design | B |
| LR Code letter | G |
| Service Factor | 1.15 |
| Temp Rise @ FL | 55 °C |
| Duty | CONT |
| Ambient | 40 °C |
| Elevation | 1,000 feet |
| Rotor/Shaft wkt | 4.1 Lb-Fe |
| Ref Wdg | 284658 NONE |
| Sound Pressure @ 1M | 56 dBA |
| VFD Rating | CONSTANT 20.1 |
| Outline Dwg | B-SS311057-1275 |
| Conn. Diag | A-EE7308 |
| Additional Specifications: | |
| 0 | |
| EQUIV CKT (OHMS / PHASE) | |
| R1 | R2 |
| 0.3580 | 0.3580 |
| X1 | X2 |
| 1.8640 | 2.0430 |
| Xm | Xm |
| | 28.8150 |



Speed - Torque Curve

