

PRODUCT INFORMATION PACKET

Model No: 056T34F5301

Catalog No: D391

General Purpose Motor, 0.50 HP, 3 Ph, 60 Hz, 208-230/460 V, 3600 RPM, 56C Frame, TEFC



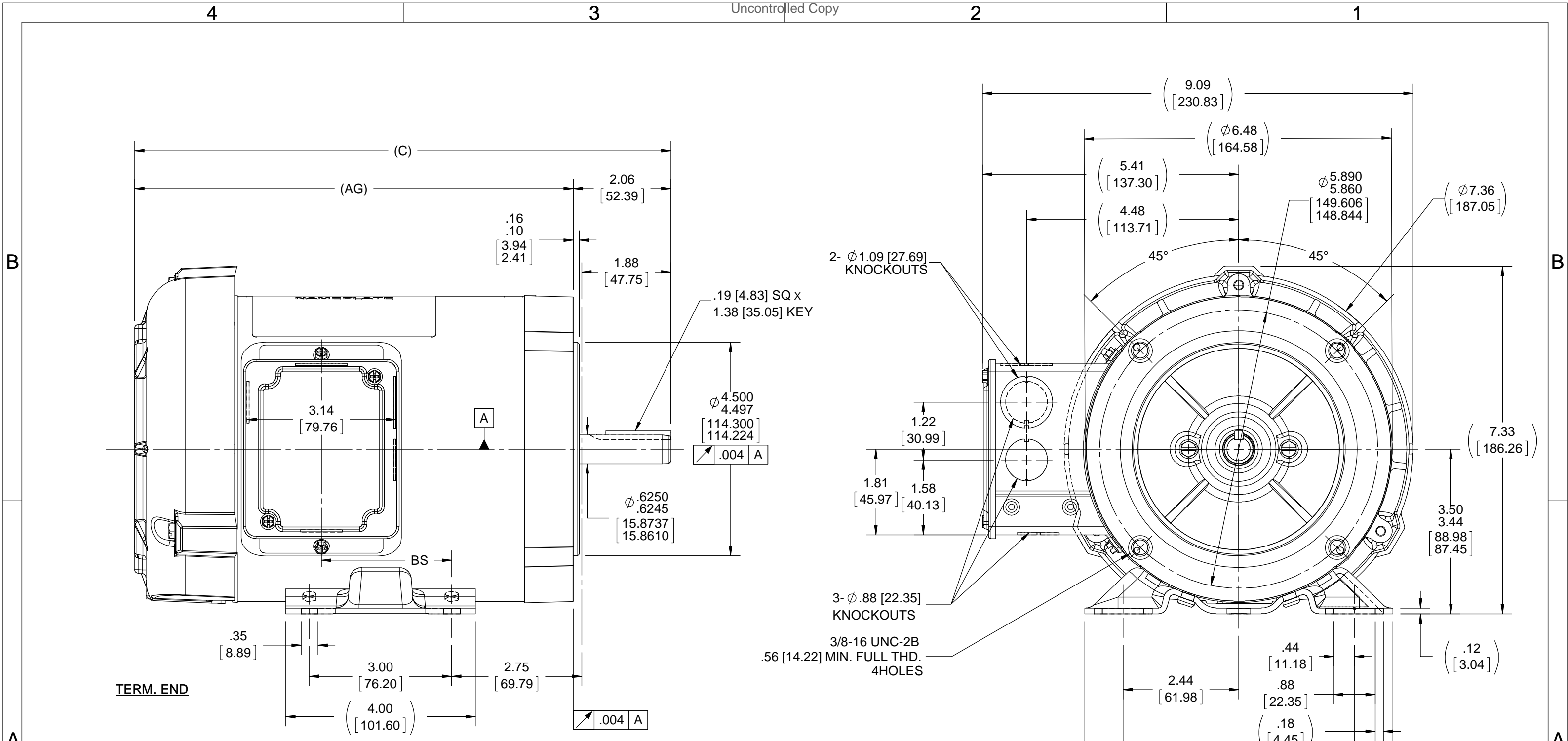
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Nameplate Specifications

| | | | |
|------------------------|----------------------|----------------------------|------------------------------------|
| Output HP | 0.50 Hp | Output KW | 0.37 kW |
| Frequency | 60 Hz | Voltage | 208-230/460 V |
| Current | 2.0-2.2/1.1 A | Speed | 3450 rpm |
| Service Factor | 1.15 | Phase | 3 |
| Efficiency | 66 % | Power Factor | 69.7 |
| Duty | Continuous | Insulation Class | F |
| Design Code | B | KVA Code | P |
| Frame | 56C | Enclosure | Totally Enclosed Fan Cooled |
| Thermal Protection | No Protection | Ambient Temperature | 40 °C |
| Drive End Bearing Size | 6203 | Opp Drive End Bearing Size | 6203 |
| UL | Recognized | CSA | Y |
| CE | Y | IP Code | 43 |
| Number of Speeds | 1 | | |

Technical Specifications

| | | | |
|-----------------------|------------------------------------|-----------------------|------------------------|
| Electrical Type | Squirrel Cage Induction Run | Starting Method | Across The Line |
| Poles | 2 | Rotation | Reversible |
| Resistance Main | 8.34 Ohms | Mounting | Bolt-on Base |
| Motor Orientation | Horizontal Or Up Or Down | Drive End Bearing | Ball |
| Opp Drive End Bearing | Ball | Frame Material | Rolled Steel |
| Shaft Type | NEMA 56 | Overall Length | 11.81 in |
| Frame Length | 6.56 in | Shaft Diameter | 0.625 in |
| Shaft Extension | 2.06 in | Assembly/Box Mounting | F1 ONLY |
| Outline Drawing | A-100141-656 | Connection Drawing | A-EE7308 |



NOTE :-
 1. CONDUIT BOX CAN BE ROTATED 180° STEP.
 2. REMOVABLE BASE.
 3. NAMEPLATE READ FROM CONDUIT BOX SIDE.

| DASH | C | AG | BS |
|------|---------------|----------------|---------------|
| 606 | 11.31[287.27] | 9.25 [234.95] | 2.75 [69.85] |
| 656 | 11.81[299.97] | 9.75 [247.65] | 3.25 [82.55] |
| 706 | 12.31[312.67] | 10.25 [260.35] | 3.75 [95.25] |
| 756 | 12.81[325.37] | 10.75 [273.05] | 4.25 [107.95] |
| 806 | 13.31[338.07] | 11.25 [285.75] | 4.75 [120.65] |
| 856 | 13.81[350.77] | 11.75 [298.45] | 5.25 [133.35] |

| | | | | | |
|--|-------------------------------|--------------------|---|---|---------------------------------|
| DRAWING REVISION M | REVISION BY M. CHATLAPALLI | DATE 01/10/2019 | TOLERANCES UNLESS OTHERWISE SPECIFIED: DEC. INCH mm ANGLE .X ±0.1 [±2.5] ±7° 30" .XX ±0.03 [±0.76] .XXX ±0.005 [±0.127] .XXXX ±0.0005 [±0.0127] REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381] X 45° CORNER FILLETS: R.02 [0.51] MACHINED SURFACES: 200 INCH/mm 5.1 mm SHOWN IN [BRACKETS] | DRAWN BY BLR | Regal Beloit America, Inc. |
| ECO ECO-0159684 | APPROVED BY S. MACHARLA | DATE 01/10/2019 | | DATE 05-27-1997 | |
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| | | | THIRD ANGLE PROJECTION | MATERIAL | DRAWING NUMBER 100141 |
| | | | | SIZE B | SHEET 1 OF 1 |

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 | | | | |
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| | | | | | | | DIST WP | | | | | |



Regal Beloit America, Inc.

FORM 3531 REV.3 02/07/99

** Subject to change without notice.



MARATHON ELECTRIC CORPORATION
TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at

460 Volts
60 HZ
0.5 HP

HP 0.5&0.33

PHASE 3

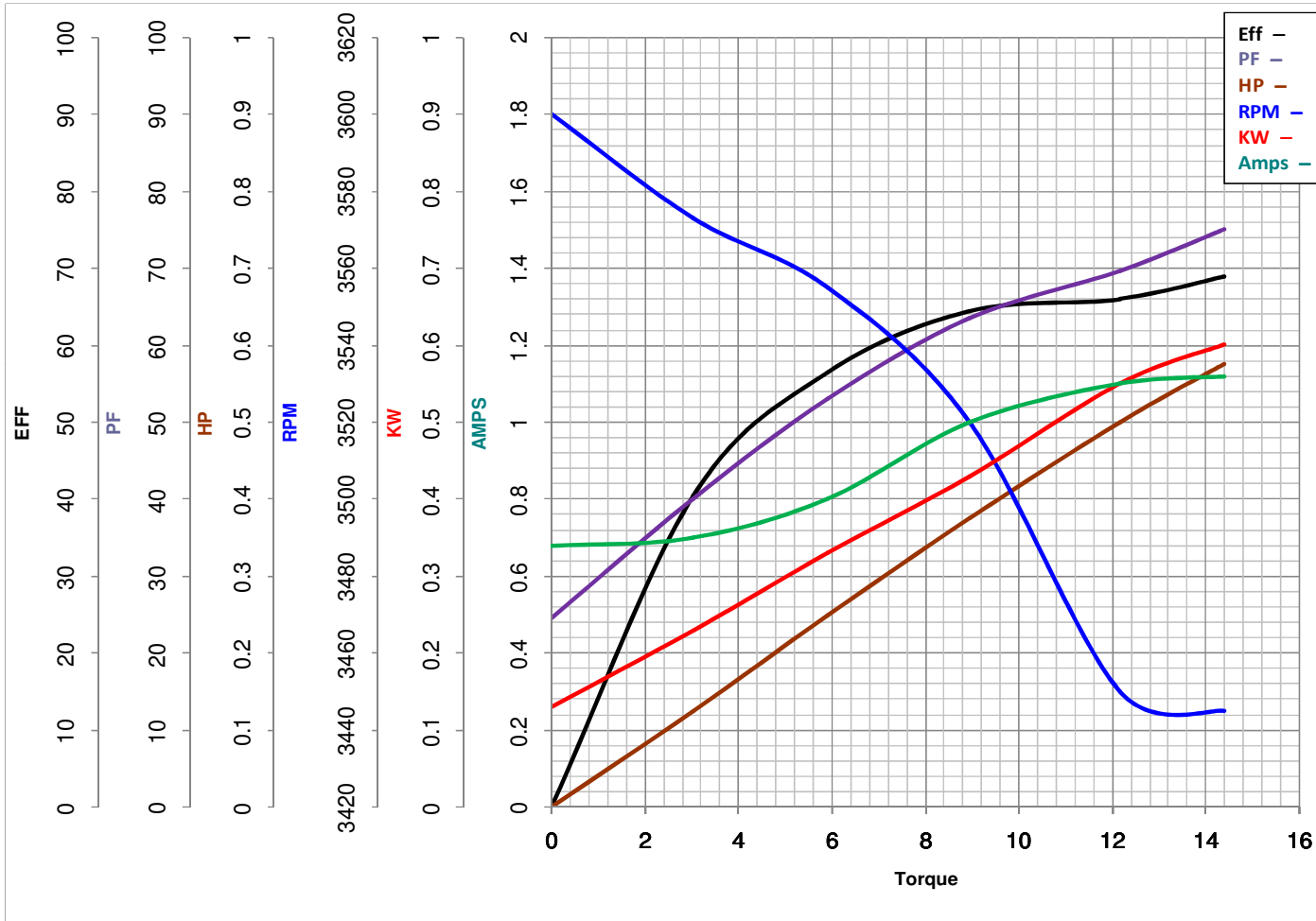
Model No 56T34F5301

VOLTS 208-230/460&190/380

Catalog No D391

HZ 60&50

RPM 3450&2850



Torque in Oz.Ft

FL TORQUE 12.16 Oz.Ft
BD TORQUE 60.8 Oz.Ft
LR TORQUE 48 Oz.Ft

FL AMPS 2-2.2/1.1
PU TORQUE 43.2 Oz.Ft
LR AMPS 8

WINDING ZT206-3

Date 1/11/2019

EC Declaration of Conformity

The undersigned representing
the manufacturer:

Regal Beloit America
100 East Randolph St.
Wausau, WI 54401

and the authorized representative
established within the Community:

Marathon Electric UK
6F Thistleton Road Ind. Estate
Market Overton
Oakham, Rutland LE15 7PP UK

are committed to providing customers with products that comply with applicable regulations and international protocols to which they are subject, including the requirements of the European Parliament Directive on the Harmonization of the laws relating to electrical equipment designed for use within certain voltage limits (2014/35/EU).

Regal Beloit America declares that the following product(s), to which this declaration relates, are in conformity with the relevant sections of the EC standards listed below.

This statement supersedes any statements previously issued pertaining to the product(s) listed below and is subject to change without notice.

Model No : 056T34F5301

(Model No. may contain prefix and/or suffix characters)

Catalog No : D391

Rework No : N/A

Directives :

Low Voltage Directive 2014/35/EU

Harmonized Standards Used :

EN 60034-1: 2010 (IEC 60034-1: 2010)

EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:



Michael A. Logsdon
Vice President, Technology

Authorized Representative in the Community:



Julian Clark
Marketing Engineer

Created on 09/01/2022

CE 22