

PRODUCT INFORMATION PACKET



Model No: 056H17F2018

Catalog No: Y376

Speed Ratio Motor, 0.75 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 56C Frame, TEFC



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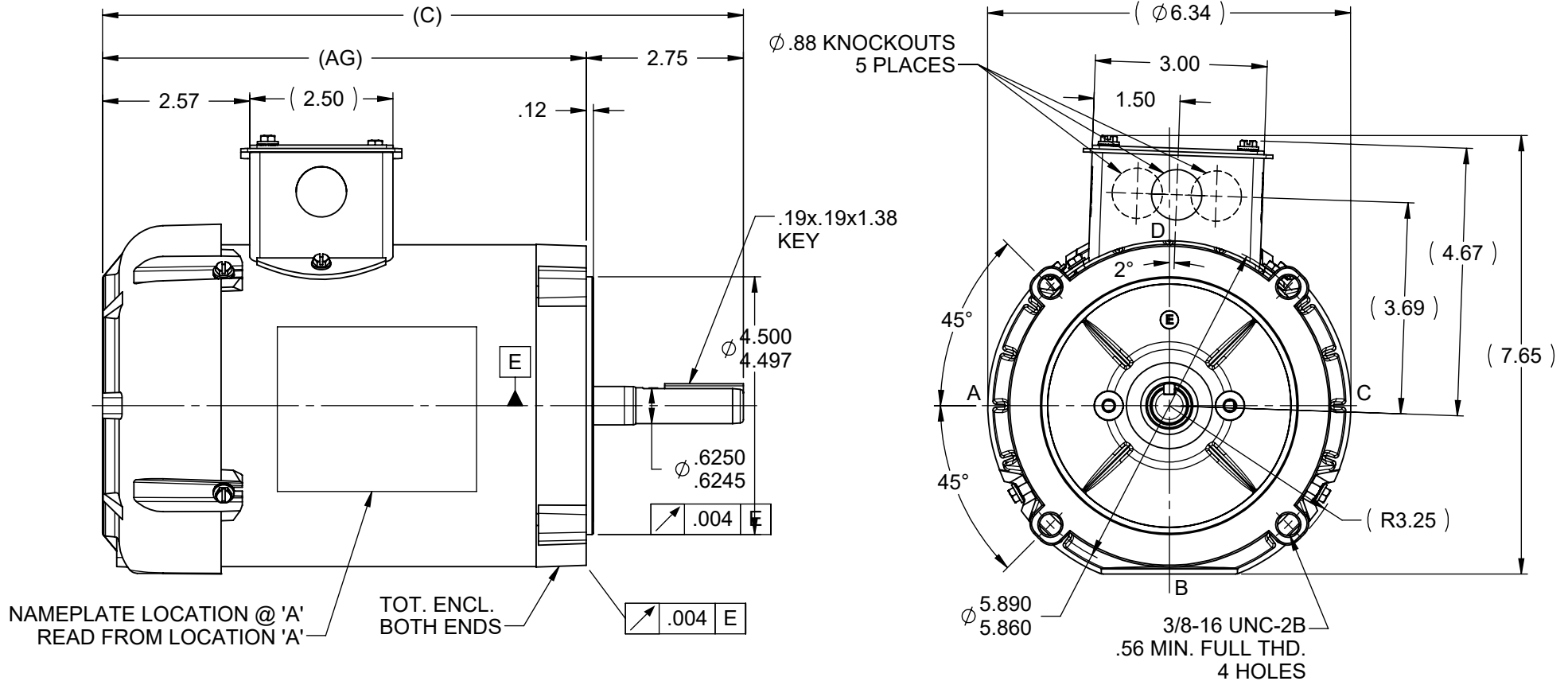


Nameplate Specifications

| | | | |
|------------------------|----------------------|----------------------------|------------------------------------|
| Phase | 3 | Output HP | 0.75 Hp |
| Output KW | 0.56 kW | Voltage | 230/460 V |
| Speed | 1725 rpm | Service Factor | 1.0 |
| Frame | 56C | Enclosure | Totally Enclosed Fan Cooled |
| Thermal Protection | No Protection | Efficiency | 75.5 % |
| Ambient Temperature | 40 °C | Frequency | 60 Hz |
| Current | 2.8/1.4 A | Power Factor | 70.5 |
| Duty | Continuous | Insulation Class | H |
| Design Code | INV | KVA Code | L |
| 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 Inverter Duty | Starting Method | Inverter Only |
| Poles | 4 | Rotation | Reversible |
| Resistance Main | 23 Ohms | Mounting | Round |
| Motor Orientation | Horizontal | Drive End Bearing | Ball |
| Opp Drive End Bearing | Ball | Frame Material | Rolled Steel |
| Shaft Type | NEMA 56 | Overall Length | 11.19 in |
| Frame Length | 6.25 in | Shaft Diameter | 0.625 in |
| Shaft Extension | 2.06 in | Assembly/Box Mounting | F3 |
| Inverter Load | CONSTANT 20:1 | | |
| Outline Drawing | A-SS403148-625 | Connection Drawing | A-EE7308 |



| DASH | C | AG |
|------|-------|-------|
| 500 | 9.94 | 7.88 |
| 525 | 10.19 | 8.13 |
| 575 | 10.69 | 8.63 |
| 625 | 11.19 | 9.13 |
| 750 | 12.44 | 10.38 |

| | | | | TOLERANCES UNLESS SPECIFIED | | Regal Rexnord | Regal Beloit America, Inc. | | DRAWN | |
|--|-------------------------------|-----------------|-----|-----------------------------|--------|---------------|----------------------------|-------|----------------|-----|
| | | | | DEC | INCHES | | CHK | ML | DRS 05-21-2001 | |
| | | | | .X | ±.1 | | | APPR | TOM 05-25-2001 | |
| 3 | CHG FROM MARATHON TO RRX LOGO | KVDG 13-06-2024 | DS | .XX | ±.03 | TITLE | OUTLINE | SCALE | 3:8 | |
| 2 | REDRAWN ON SOLIDWORKS | DRS 05-17-2005 | ML | .XXX | ±.005 | | | REF | | |
| 1 | NEW DRAWING | DRS 05-25-2001 | | .XXX | ±.0005 | MAT'L | | FMF | | |
| NO | REVISION | BY & DATE | CHK | ANG | ±7'30" | FINISH | | 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 SS403148 | SIZE | DRAWING NO | REV |
| | | | | | | DIST | WP | A | SS403148 | 3 |



| 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 | | | | | |

CERTIFICATION DATA SHEET

Model#: 56H17F2018 A WINDING#: TE48412 R4 3
 CONN. DIAGRAM: A-EE7308 ASSEMBLY: F3
 OUTLINE: A-SS403148-625

TYPICAL MOTOR PERFORMANCE DATA

| HP | KW | SYNC. RPM | F.L. RPM | FRAME | ENCLOSURE | KVA CODE | DESIGN |
|-----|-----|-----------|----------|-------|-----------|----------|--------|
| 3/4 | .56 | 1800 | 1725 | 56C | TEFC | L | INV |

| PH | Hz | VOLTS | FL AMPS | START TYPE | DUTY | INSL | S.F | AMB°C | ELEVATION |
|----|----|---------|---------|---------------|------------|------|-----|-------|-----------|
| 3 | 60 | 230/460 | 2.8/1.4 | INVERTER ONLY | CONTINUOUS | H1 | 1.0 | 40 | 3300 |

| FULL LOAD EFF: 75.5 | 3/4 LOAD EFF: 73 | 1/2 LOAD EFF: 67 | GTD. EFF | ELEC. TYPE | NO LOAD AMPS |
|---------------------|------------------|-------------------|----------|------------------|--------------|
| FULL LOAD PF: 70.5 | 3/4 LOAD PF: 62 | 1/2 LOAD PF: 49.5 | 72 | SQ CAGE INV DUTY | 1.9 / 1 |

| F.L. TORQUE | LOCKED ROTOR AMPS | L.R. TORQUE | B.D. TORQUE | F.L. RISE°C |
|-------------|-------------------|---------------|---------------|-------------|
| 2.28 LB-FT | 18 / 9 | 8.5 LB-FT 373 | 9.5 LB-FT 417 | 65 |

| SOUND PRESSURE @ 3 FT. | SOUND POWER | ROTOR WK^2 | MAX. WK^2 | SAFE STALL TIME | STARTS / HOUR | APPROX. MOTOR WGT |
|------------------------|-------------|---------------|-----------|-----------------|---------------|-------------------|
| 60 dBA | 70 dBA | 0.055 LB-FT^2 | 0 LB-FT^2 | 0 SEC. | 0 | 25 LBS. |

EQUIVALENT WYE CKT.PARAMETERS (OHMS PER PHASE)

| R1 | R2 | X1 | X2 | XM |
|--------|---------|---------|-------|---------|
| 13.986 | 12.5874 | 15.6114 | 8.316 | 292.572 |

| RM | ZREF | XR | TD | TD0 |
|---------|------|------|--------|-------|
| 10546.2 | 378 | 1.37 | 0.0034 | 0.063 |

***** SUPPLEMENTAL INFORMATION *****

| DE BRACKET TYPE | ODE BRACKET TYPE | MOUNT TYPE | ORIENTATION | SEVERE DUTY | HAZARDOUS LOCATION | DRIP COVER | SCREENS | PAINT |
|-----------------|------------------|------------|-------------|-------------|--------------------|------------|---------|----------------|
| C-FACE | STANDARD | ROUND | HORIZONTAL | FALSE | NONE | FALSE | NONE | BLACK (POWDER) |

| BEARINGS | | GREASE | SHAFT TYPE | SPECIAL DE | SPECIAL ODE | SHAFT MATERIAL | FRAME MATERIAL |
|----------|------|------------|-------------|------------|-------------|--------------------------|----------------|
| DE | OPE | | | | | | |
| BALL | BALL | POLYREX EM | STANDARD 56 | NONE | NONE | 1144 STRESSPROOF (C-223) | ROLLED STEEL |
| 6203 | 6203 | | | | | | |

| THERMO-PROTECTORS | | | | THERMISTORS | CONTROL | SPACE /n HEATERS |
|-------------------|------------|----------|----------|-------------|---------|------------------|
| THERMOSTATS | PROTECTORS | WDG RTDs | BRG RTDs | | | |
| NONE | NOT | NONE | NONE | NONE | FALSE | NONE VOLTS |

If Inverter equals NONE, contact factory for further information

| |
|---|
| INVERTER TORQUE: CONSTANT 20:1 INV. HP SPEED RANGE: 2.0 X BASE SPEED |
| ENCODER: NONE NONE NONE NONE NONE PPR |
| BRAKE: NONE NONE |

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| | | | |
|------------|------|--------|---------|
| NONE | P/N | NONE | |
| NONE | NONE | | |
| NONE FT-LB | | NONE V | NONE Hz |

DATE: 06/28/2017 12:57:46 AM
FORM 3531 REV.3 02/07/99
** Subject to change without notice.



REGAL REXNORD CORPORATION
TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at

460 Volts
60 HZ
0.75 HP

HP 0.75

PHASE 3

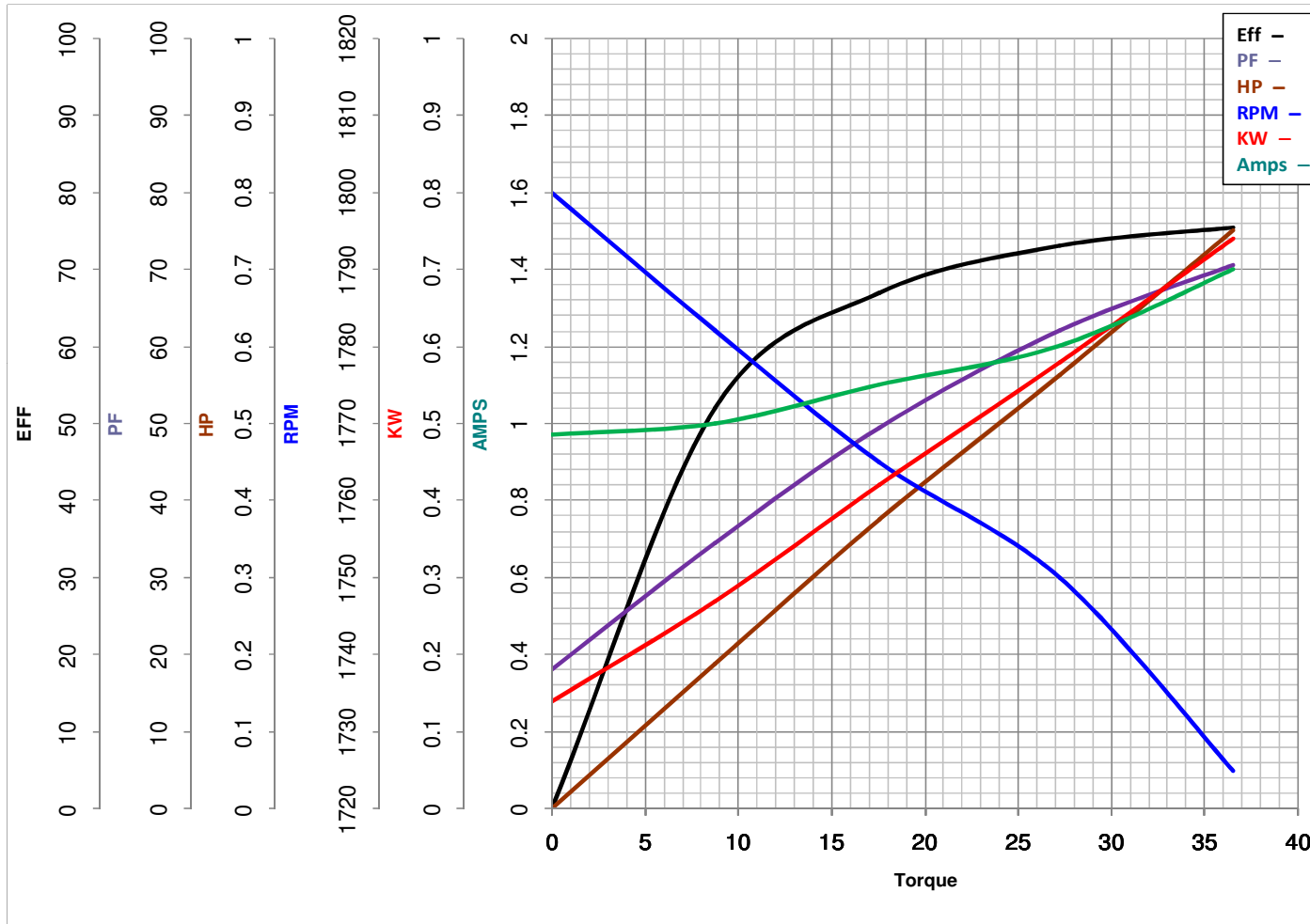
Model No 56H17F2018

VOLTS 230/460

Catalog No Y376

HZ 60

RPM 1725



Torque in Oz.Ft

FL TORQUE 36.48 Oz.Ft
BD TORQUE 152.0 Oz.Ft
LR TORQUE 136 Oz.Ft

FL AMPS 2.8/1.4
PU TORQUE 134.4 Oz.Ft
LR AMPS 9

WINDING TE48412-3

Date 1/24/2019

EC Declaration of Conformity

The undersigned representing
the manufacturer:

Regal Beloit America
1946 West Cook Road
Fort Wayne, IN 46818

and the authorized representative
established within the Community:

Regal Beloit Italy
Via Modena, 18
24040 Ciserano(BG) - Italy

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 : 056H17F2018

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

Catalog No : Y376

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:



Zach Stauffer
Vice President, Engineering

Authorized Representative in the Community:



Stefano Casiraghi
Technology Director, Engineering

Created on 07/08/2025

CE 25