

PRODUCT INFORMATION PACKET

Model No: 056T34F15592

Catalog No: J065A

2 HP Jet Pump Motor, 3 phase, 3600 RPM, 230/460 V, 56J Frame, TEFC
Jet Pump Motors



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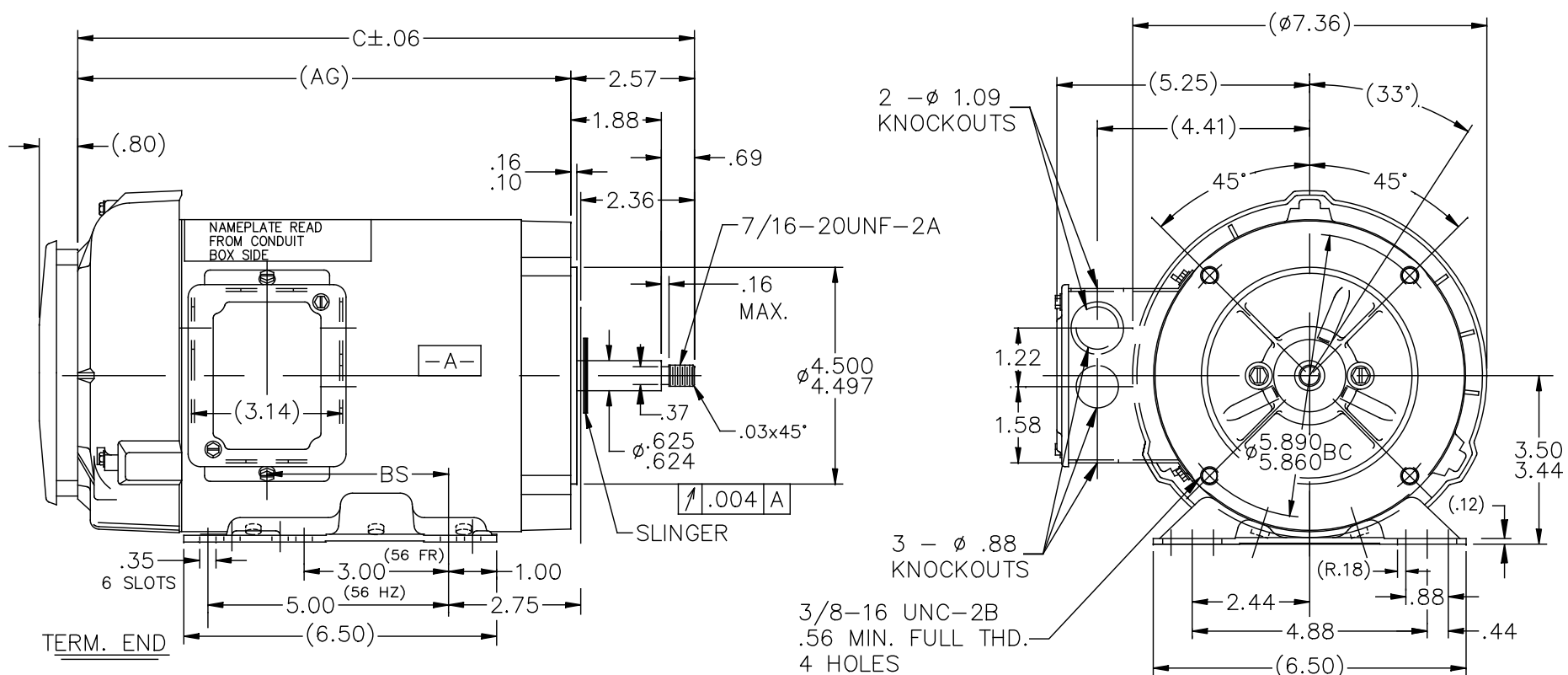
Nameplate Specifications

| | | | |
|------------------------|-------------------|----------------------------|------------------------------------|
| Output HP | 2 Hp | Output KW | 1.5 kW |
| Frequency | 60 Hz | Voltage | 230/460 V |
| Current | 5.0/2.5 A | Speed | 3450 rpm |
| Service Factor | 1.15 | Phase | 3 |
| Efficiency | 85.5 % | Power Factor | 86 |
| Duty | Continuous | Insulation Class | B |
| Design Code | B | KVA Code | K |
| Frame | 56J | Enclosure | Totally Enclosed Fan Cooled |
| Thermal Protection | No | Ambient Temperature | 40 °C |
| Drive End Bearing Size | 6205 | 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 | 7.1 Ohms | Mounting | Rigid Base |
| Motor Orientation | Horizontal | Drive End Bearing | Ball |
| Opp Drive End Bearing | Ball | Frame Material | Rolled Steel |
| Shaft Type | J | Overall Length | 14.82 in |
| Frame Length | 9.06 in | Shaft Diameter | 0.625 in |
| Shaft Extension | 2.57 in | Assembly/Box Mounting | F1 ONLY |
| Outline Drawing | A-108224-906 | Connection Drawing | EE7308 |

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| DASH | C | AG | BS |
|------|-------|-------|------|
| 606 | 11.82 | 9.25 | 2.78 |
| 656 | 12.32 | 9.75 | 3.28 |
| 706 | 12.82 | 10.25 | 3.78 |
| 806 | 13.82 | 11.25 | 4.78 |
| 906 | 14.82 | 12.25 | 5.78 |

NOTES: CONDUIT BOX CAN BE ROTATED 180°
REMOVABLE BASE

| | | | | TOLERANCES UNLESS SPECIFIED | | REGAL™ Regal Beloit America, Inc. | DRAWN KR 09/29/2014 | |
|--|--|-------------|-----|-----------------------------|--------|--|---------------------|-------------|
| | | | | DEC. | INCHES | | CHK SM 09/29/2014 | APPD |
| | | | | .X | ±.1 | TITLE OUTLINE 56 FR.-BB-TEFC-C' FACE-3φ (DIST.) | SCALE | 1:1 |
| B | ADDED DASH # 906 | SL 04/20/16 | PVR | .XXX | ±.005 | | REF | 100801 |
| A | CREATED NEW OUTLINE DRW. PER ECO-0060937 | KR 09/29/14 | SM | .XXXX | ±.0005 | | FINISH | PREV |
| NO. | REVISION | BY & DATE | CHK | ANG | ±7'30" | RFP | CAD FILE | 108224 |
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| | | | | | | SIZE | DRAWING NO. | PAGE 1 OF 1 |
| | | | | | | A | 108224 | B |



| NO. | | REVISION | | BY & DATE | | CHK | | ANG | | FINISH | | PREV | |
|--|--|----------|------------|-----------------|-------|--------|--|--------------------|--|-----------|--|--------|--|
| 5 | CHG TO REGAL LOGO | SL | 09/10/2015 | AB | | | | | | | | | |
| 4 | REVISED IEC NOTATIONS | MSG | 11/15/2011 | CMN | .X | ±.1 | | | | | | | |
| 3 | ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194 | MSG | 5/10/2010 | MJS | .XX | ±.02 | | | | | | | |
| 2 | ADDED THE OPTIONAL CORD CONNECTION MU46318 | RDH | 04/24/2003 | DRS | .XXX | ±.005 | | | | | | | |
| 1 | REDRAWN | RM | 11/20/1990 | | .XXXX | ±.0005 | | | | | | | |
| 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 | |

REGAL™ Regal Beloit America, Inc.

DRAWN RM 11/20/1990
 CHK ML 11/21/1990
 APPD SAS 04/24/2003
 SCALE 1=1
 REF
 FMF
 PREV

CERTIFICATION DATA SHEET

Model#: 56T34F15592 A
CONN. DIAGRAM: EE7308
OUTLINE: A-108224-906

WINDING#: ZT2142 FR 3
ASSEMBLY: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

| HP | KW | SYNC. RPM | F.L. RPM | FRAME | ENCLOSURE | KVA CODE | DESIGN |
|---------|-----------|-----------|-----------|-------|-----------|----------|--------|
| 2&1 1/2 | 1.49&1.12 | 3600 | 3450&2850 | 56J | TEFC | K | B |

| PH | Hz | VOLTS | FL AMPS | START TYPE | DUTY | INSL | S.F | AMB°C | ELEVATION |
|----|-------|---------------------|---------------|--------------------|----------------|------|-----------|-------|-----------|
| 3 | 60/50 | 230/460#190/ 380 | 5/2.5&4.6/2.3 | ACROSS THE LINE | CONTINUOU S | B3 | 1.15/1.15 | 40 | 3300 |

| FULL LOAD EFF: 85.5&85.5 | 3/4 LOAD EFF: 85.9 | 1/2 LOAD EFF: 84 | GTD. EFF | ELEC. TYPE | NO LOAD AMPS |
|-----------------------------|--------------------|-------------------|----------|-----------------|--------------|
| FULL LOAD PF: 86&85 | 3/4 LOAD PF: 82 | 1/2 LOAD PF: 72.5 | 84 | SQ CAGE IND RUN | 2 / 1 |

| F.L. TORQUE | LOCKED ROTOR AMPS | L.R. TORQUE | B.D. TORQUE | F.L. RISE°C |
|-------------|-------------------|---------------|----------------|-------------|
| 3 LB-FT | 43.4 / 21.7 | 9.5 LB-FT 316 | 12.2 LB-FT 406 | 40 |

| SOUND PRESSURE @ 3 FT. | SOUND POWER | ROTOR WK^2 | MAX. WK^2 | SAFE STALL TIME | STARTS /HOUR | APPROX. MOTOR WGT |
|---------------------------|-------------|---------------|-----------|-----------------|-----------------|----------------------|
| 69 dBA | 79 dBA | 0.065 LB-FT^2 | 4 LB-FT^2 | 20 SEC. | 2 | 80 LBS. |

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

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

| BEARINGS | | GREASE | SHAFT TYPE | SPECIAL DE | SPECIAL ODE | SHAFT MATERIAL | FRAME MATERIAL |
|----------|------|------------|------------|------------|-------------|--------------------------|-------------------|
| DE | OPE | | | | | | |
| BALL | BALL | POLYREX EM | JET PUMP | NONE | NONE | 416 STAINLESS (C-503) | ROLLED STEEL |
| 6205 | 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: NONE |
| INV. HP SPEED RANGE: NONE |
| ENCODER: NONE |
| NONE NONE |
| NONE NONE PPR |
| BRAKE: NONE NONE |
| NONE P/N NONE |
| NONE NONE |
| NONE FT-LB NONE V NONE Hz |

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DATE: 06/29/2017 07:47:45 AM
 FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.

Data Sheet

Date: 1/3/2019
 Customer: _____
 Attention: _____
 Submitted by: FAREEDA DUDEKULA



56T34F15592

Submittal

Data @ 460 V

Motor Load Data

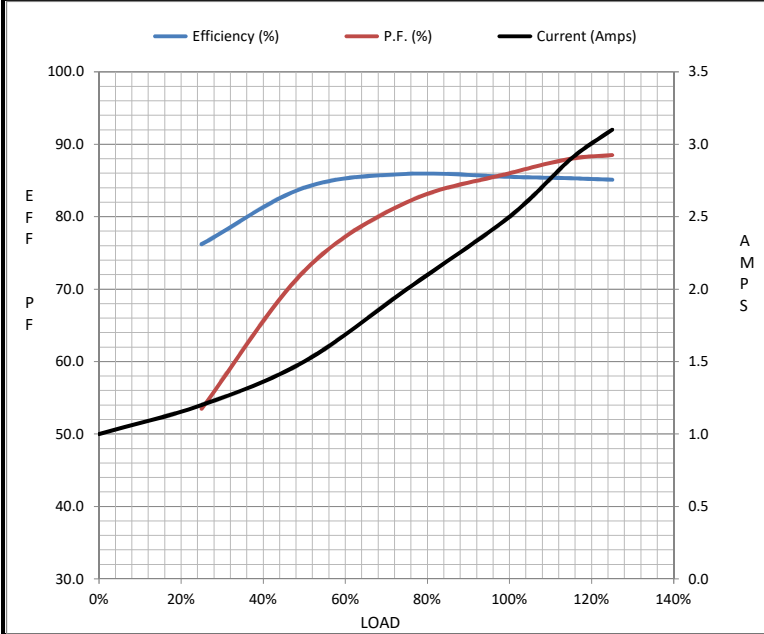
| Load | 0% | 25% | 50% | 75% | 100% | 115% | 125% | LR |
|----------------|------|------|------|------|------|-------|------|------|
| Current (Amps) | 1.00 | 1.20 | 1.50 | 2.00 | 2.50 | 2.90 | 3.1 | 21.7 |
| Torque (ft-lb) | 0.00 | 0.74 | 1.48 | 2.23 | 3.0 | 3.5 | 3.8 | 9.5 |
| RPM | 3600 | 3575 | 3550 | 3525 | 3500 | 3,485 | 3470 | 0 |
| Efficiency (%) | | 76.2 | 84.0 | 85.9 | 85.5 | 85.3 | 85.1 | |
| P.F. (%) | 20.0 | 53.5 | 72.5 | 82.0 | 86.0 | 88.0 | 88.5 | 42.0 |

Motor Speed Data

| | LR | Pull-Up | BD | Rated | Idle |
|----------------|------|---------|------|-------|------|
| Speed (RPM) | 0 | 1500 | 2615 | 3500 | 3600 |
| Current (Amps) | 21.7 | 20.5 | 14.5 | 2.50 | 1.00 |
| Torque (ft-lb) | 9.5 | 9.4 | 12.2 | 3.0 | 0.00 |

Information Block

| | | | | |
|-----------------------------|-------------------------|--------|--------|----------|
| HP | 2.0 | | | |
| Sync. RPM | 3600 | | | |
| Frame | 56 | | | |
| Enclosure | TEFC | | | |
| Construction | TS | | | |
| Voltage | 230/460#190/380 V | | | |
| Frequency | 60 Hz | | | |
| Design | B | | | |
| LR Code letter | K | | | |
| Service Factor | 1.15 | | | |
| Temp Rise @ FL | 36 °C | | | |
| Duty | CONT | | | |
| Ambient | 40 °C | | | |
| Elevation | 3300 feet | | | |
| Rotor/Shaft wk ² | 0.07 Lb-Ft ² | | | |
| Ref Wdg | ZT2142 FR | | | |
| Sound Pressure @ 1M | 69 dBA | | | |
| VFD Rating | NONE | | | |
| Outline Dwg | A-108224-906 | | | |
| Conn. Diag | EE7308 | | | |
| Additional Specifications: | | | | |
| 0 | | | | |
| 0 | | | | |
| EQUIV CKT (OHMS / PHASE) | | | | |
| R1 | R2 | X1 | X2 | Xm |
| 4.4020 | 3.1240 | 6.5320 | 5.5380 | 208.7400 |



Speed - Torque Curve

