

PRODUCT INFORMATION PACKET



Model No: 5KH35LNB164

Catalog No: HG456

Explosion Proof Motor, 0.17 HP, 1 Ph, 60 Hz, 115 V, 1800 RPM, 48 Frame, EPNV



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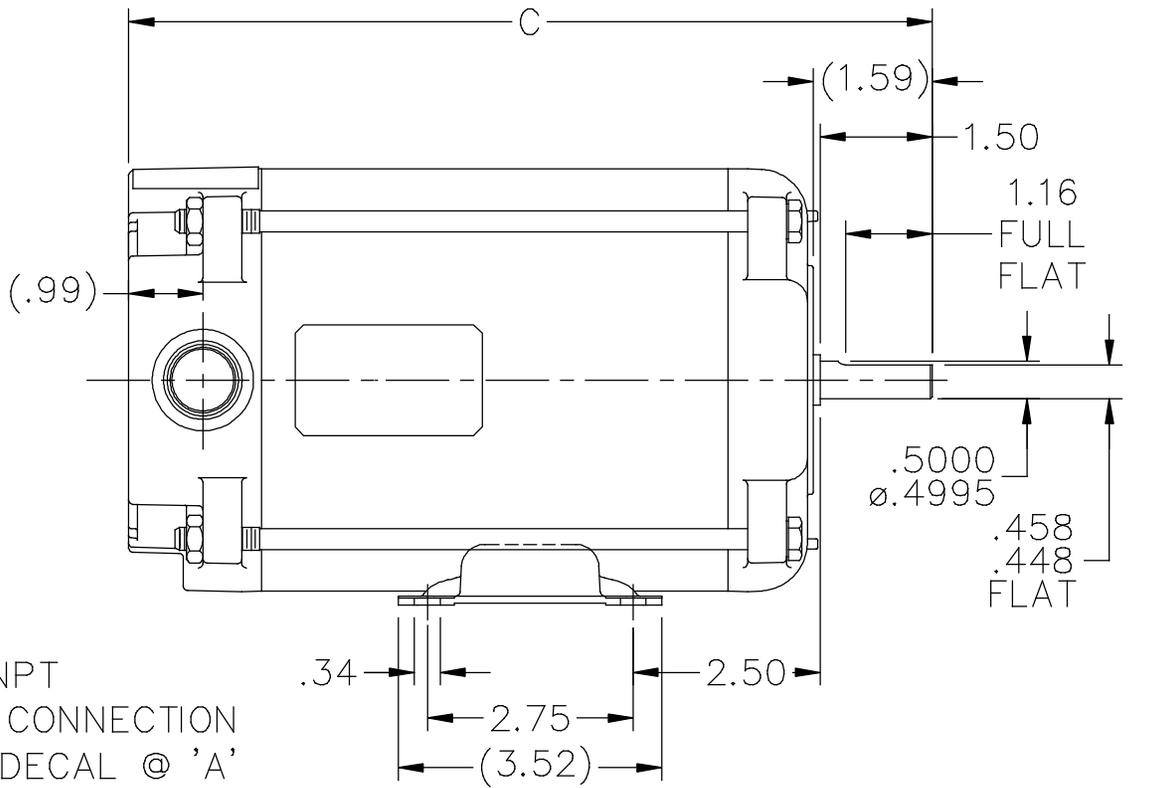
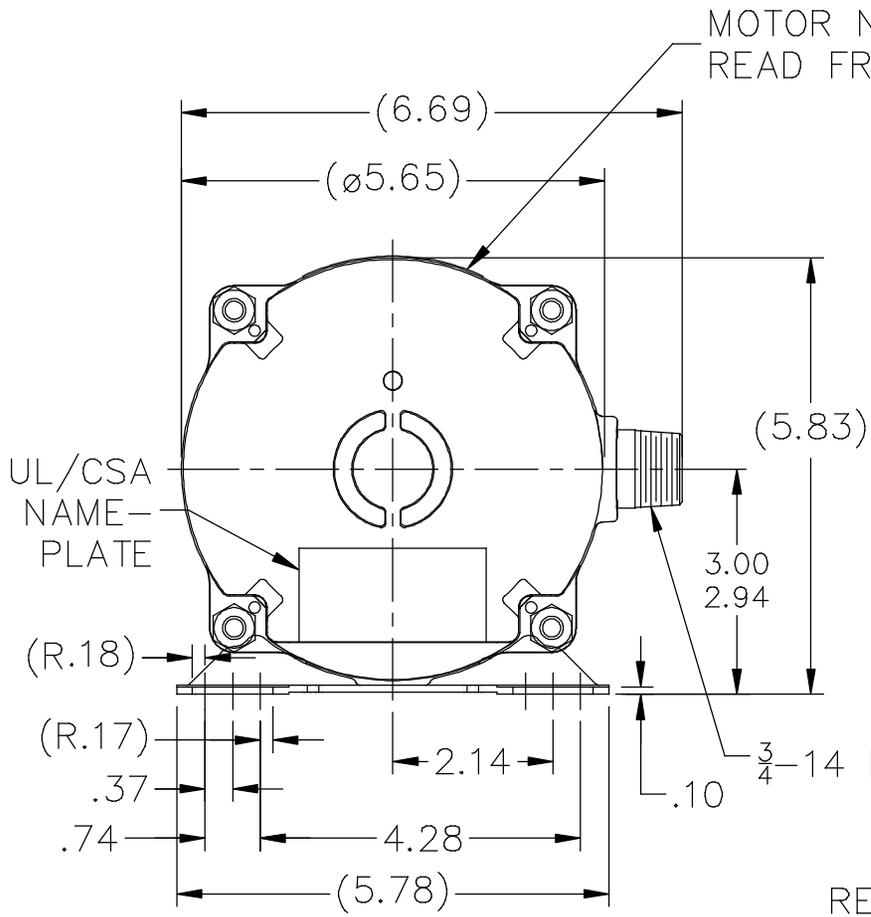


Nameplate Specifications

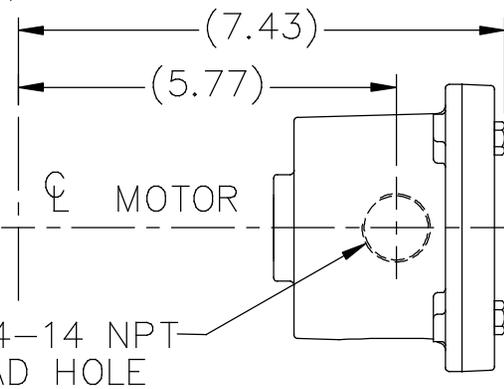
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|------------------------|-----------------------------|----------------------------|--------------------------------------|
| Phase | 1 | Output HP | 0.17 Hp |
| Output KW | 0.13 kW | Voltage | 115 V |
| Speed | 1725 rpm | Service Factor | 1.0 |
| Frame | 48 | Enclosure | Explosion Proof Non Ventilated |
| Thermal Protection | Automatic | Efficiency | 62 % |
| Ambient Temperature | 40 °C | Frequency | 60 Hz |
| Current | 3.3 A | Power Factor | 63 |
| Duty | Continuous | Insulation Class | A |
| Design Code | NO DESIGN CODE | KVA Code | T |
| Drive End Bearing Size | 6203 | Opp Drive End Bearing Size | 6203 |
| UL | UL Listed And CSA Certified | CSA | Y |
| CE | N | IP Code | 54 |
| Number of Speeds | 1 | Hazardous Location | EXP PROOF CL I GR D CL II GR F&G T3B |

Technical Specifications

| | | | |
|-----------------------|------------------|-----------------------|----------------------------|
| Electrical Type | Split Phase | Starting Method | Across The Line |
| Poles | 4 | Rotation | Selective Counterclockwise |
| Resistance Main | 0 Ohms | Mounting | Rigid Base |
| Motor Orientation | Horizontal | Drive End Bearing | Ball |
| Opp Drive End Bearing | Ball | Frame Material | Rolled Steel |
| Shaft Type | NEMA 48 | Overall Length | 10.31 in |
| Frame Length | 5.80 in | Shaft Diameter | 0.500 in |
| Shaft Extension | 1.59 in | Assembly/Box Mounting | F1 ONLY |
| Outline Drawing | A-SS403455GE-580 | Connection Drawing | A-EE7116K-GE |



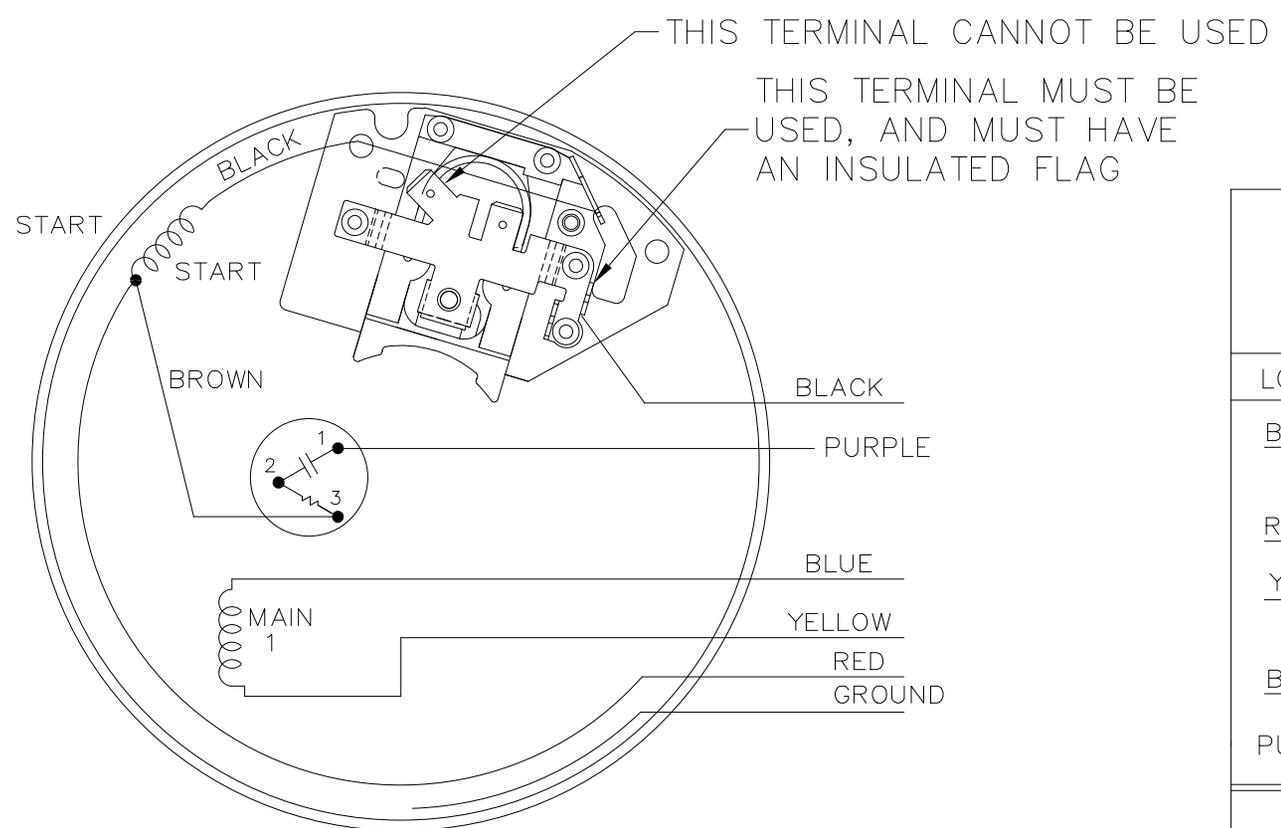
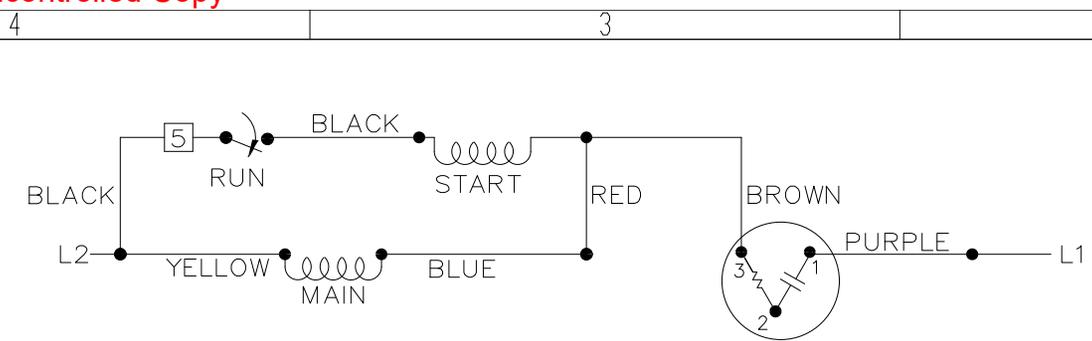
VIEW OF CONDUIT BOX



LEAD DESCRIPTION: 1 BLACK, 1 PURPLE, 1 BLUE,
1 GREEN, 1 YELLOW, AND 1 RED ALL EXITING A
SEALED PIPE NIPPLE, 26" LONG.

| DASH | C |
|------|-------|
| 517 | 9.68 |
| 580 | 10.31 |
| 623 | 10.74 |

| NO. | REVISION | BY & DATE | CHK | TOLERANCES UNLESS SPECIFIED | | FINISH | DRAWN RWR 03-15-2005 |
|--|--|----------------|-----|--------------------------------|------------|---|------------------------|
| | | | | DEC. | INCHES | | |
| 3 | ADDED VIEW OF COND BOX INSTALL ISAAC 12-5139 | WGJ 03-05-2013 | DD | .X | ±.1 |  REGAL-BELOIT CORPORATION TITLE OUTLINE 48 FRAME - XP MAT'L. FINISH | CHK ML 03-18-2005 |
| 2 | CHG. LEADS FROM 6" TO 26" CN39528 | RWR 08/26/2005 | ML | .XX | ±.03 | | APPD MJS 03-21-2005 |
| 1 | ADD UL/CSA AND MOTOR NAMEPLATES, CHANGED | MJK 04/29/2005 | | .XXX | ±.005 | | SCALE 3=8 |
| | STUDS TO OVERBOLTS CN 46061 | | | .XXXX | ±.0005 | | REF A-SS403455 |
| | | | | | | | FMF |
| | | | | ANG | ±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 | 03-21-2005 | CAD FILE ss403455ge | SIZE A |
| | | | | DIST | WP | | DRAWING NO. SS403455GE |
| | | | | | | | PAGE 1 OF 1 |
| | | | | | | | REV. 3 |



SINGLE VOLTAGE WITH OVERLOAD PROTECTION SELECT ROTATION

LOW VOLT. CCW ROT.

BLUE

RED

YELLOW

BLACK — LINE 2

PURPLE — LINE 1

FOR CW ROT. INTERCHANGE BLUE WITH YELLOW LEAD.

- A-S4CU1
- A-S6A4
- A-S4A2

| | | |
|-------------------------------|---------------------|-------------------------------|
| DRAWING REVISION A | REVISION BY KVDG | REV DATE / DATE 05/07/2025 |
| REQUEST NUMBER ECR-0242555 | APPROVED BY DS | DATE 05/07/2025 |

REQUEST NUMBER DESCRIPTION
UPDATED THE DRAWING TO RRX TEMPLATE.

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TOLERANCES (EXCEPT AS NOTED):
 DEC. INCH mm ANGLE
 .X ±0.1 [±3] ±0.5°
 .XX ±0.01 [±0.3]
 .XXX ±0.005 [±0.13]
 .XXXX ±0.0005 [±0.013]
 REMOVE BURRS & BREAK SHARP
 EDGES: .003/.015 [.08/.38] X 45
 CORNER FILLETS: R.02 [.5]
 MACHINED SURFACES: 125/ 3.2/
 INCH mm
 mm DIMENSIONS IN [BRACKETS]
 ARE FOR REFERENCE ONLY

| |
|-------------------------|
| DRAWN BY NB |
| DATE 03-14-2006 |
| APPROVED BY VL |
| DATE 03-14-2006 |
| REFERENCE EE7116K-GE |
| THIRD ANGLE PROJECTION |

| | | | |
|----------------------------|---------------------------|-----------------------------------|---------------------------|
| Regal Beloit America, Inc. | | DESCRIPTION CONNECTION DIAGRAM | |
| | | MAT'L | PROCESS/FINISH MU71130 |
| SIZE B | DRAWING NUMBER EE7116K | SHEET 1 OF 1 | |

Generic Customer Submittal Report



CERTIFICATION DATA SHEET

CUSTOMER: REGAL BELOIT DE MEXICO
ORDER #: MU130306
CONN. DIAGRAM: A-EE7116K-GE
OUTLINE: A-SS403455GE-580
WINDING #: SE484371

CUSTOMER PO#:
MODEL #: 5KH35LNB164 A
CUSTOMER PART #:
MOUNTING: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

| HP | kW | SYNC. RPM | F.L. RPM | FRAME | ENCLOSURE | KVA CODE | DESIGN |
|-----|------|-----------|----------|-------|-----------|----------|----------------|
| 1/6 | 0.13 | 1800 | 1725 | 48 | EPNV | T | NO DESIGN CODE |

| PH | Hz | VOLTS | AMPS | START TYPE | DUTY | INSL | S.F. | AMB°C |
|----|----|-------|------|-----------------|------------|------|------|-------|
| 1 | 60 | 115 | 3.3 | ACROSS THE LINE | CONTINUOUS | A | 1 | 40 |

| FULL LOAD EFF: | 62 | 3/4 LOAD EFF: | 54 | 1/2 LOAD EFF: | 46.6 | GTD. EFF | ELEC. TYPE |
|----------------|----------|---------------|----|---------------|------|----------|-------------|
| FULL LOAD PF: | 63(0.63) | 3/4 LOAD PF: | 56 | 1/2 LOAD PF: | 47.8 | 57.5 | SPLIT PHASE |

| F.L. TORQUE | LOCKED ROTOR AMPS | L.R. TORQUE | B.D. TORQUE | F.L. RISE°C |
|-------------|-------------------|-------------|-------------|-------------|
| 24 LB-FT | 5.76 | 105.3 LB-FT | 105.3 LB-FT | 25 |

*** SUPPLEMENTAL INFORMATION ***

| DE BRACKET TYPE | ODE BRACKET TYPE | MOUNT TYPE | ORIENTATION | DUTY | HAZARDOUS LOCATION | DRIP COVER | SCREENS | PAINT |
|-----------------|------------------|------------|-------------|-------|------------------------------|------------|---------|--------------------|
| STANDARD | STANDARD | RIGID | HORIZONTAL | FALSE | PROOF CL I GR D CL II GR F&G | FALSE | | GRAY - GE (POWDER) |

| BEARINGS | | GREASE | SHAFT TYPE | SPECIAL DE | SPECIAL ODE | SHAFT MATERIAL | ROLLED STEEL |
|----------|------|------------|------------|------------|-------------|--------------------------|--------------|
| DE | ODE | | | | | | |
| BALL | BALL | POLYREX EM | T | NONE | NONE | 1144 STRESSPROOF (C-223) | CAST IRON |
| 6203 | 6203 | | | | | | |

| THERMO-PROTECTORS | | | | THERMISTORS | CONTROL | SPACE HEATERS |
|-------------------|------------|----------|----------|-------------|---------|---------------|
| THERMOSTATS | PROTECTORS | WDG RTDs | BRG RTDs | | | |
| NONE | AUTOMATIC | NONE | NONE | NONE | FALSE | NONE |

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| | |
|-----------------------------|---------------------------|
| 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 |

REV 1 - CHANGED LOGO FROM MARATHON TO LEESON - 3/25/2025



REGAL REXNORD CORPORATION
TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at

460

Volts

HP 0.16

PHASE 1

Model No 5KH35LNB164

60

HZ

VOLTS 115

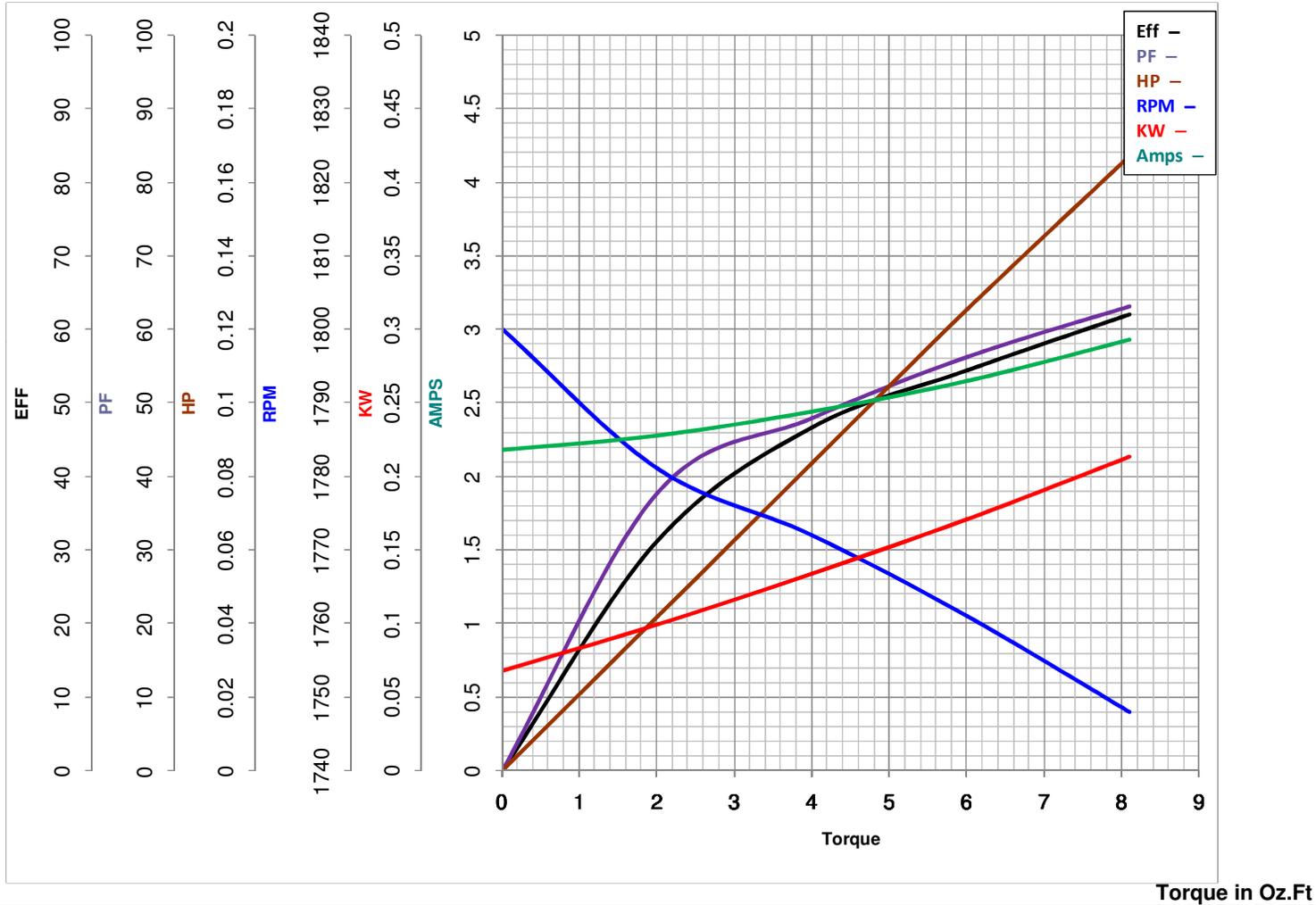
Catalog No HG456

0.16

HP

HZ 60

RPM 1725



| | | | | | |
|-----------|--------------|-------|-----------|-------------|-------|
| FL TORQUE | <u>8.1</u> | Oz.Ft | FL AMPS | <u>3.3</u> | |
| BD TORQUE | <u>21.0</u> | Oz.Ft | PU TORQUE | <u>18.3</u> | Oz.Ft |
| LR TORQUE | <u>18.49</u> | Oz.Ft | LR AMPS | <u>28.2</u> | |
| WINDING | SE484371- | | Date | 3/8/2019 | |