

PRODUCT INFORMATION PACKET



Model No: 112483.00

Catalog No: 112483.00

White Duck™ General Purpose Motor, 0.50 HP, 3 Ph, 60 Hz, 575 V, 1800 RPM, 56C Frame, TEFC



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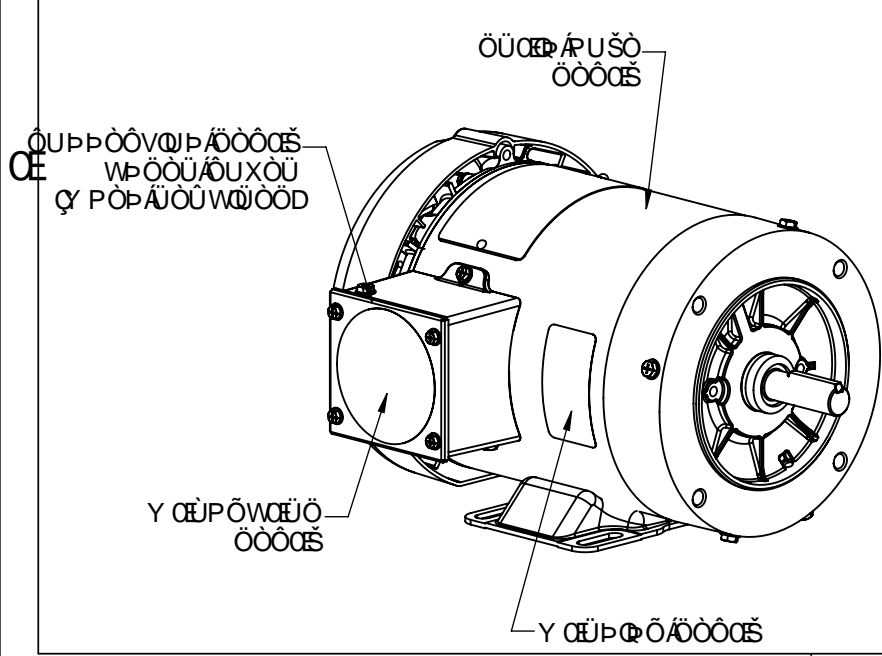
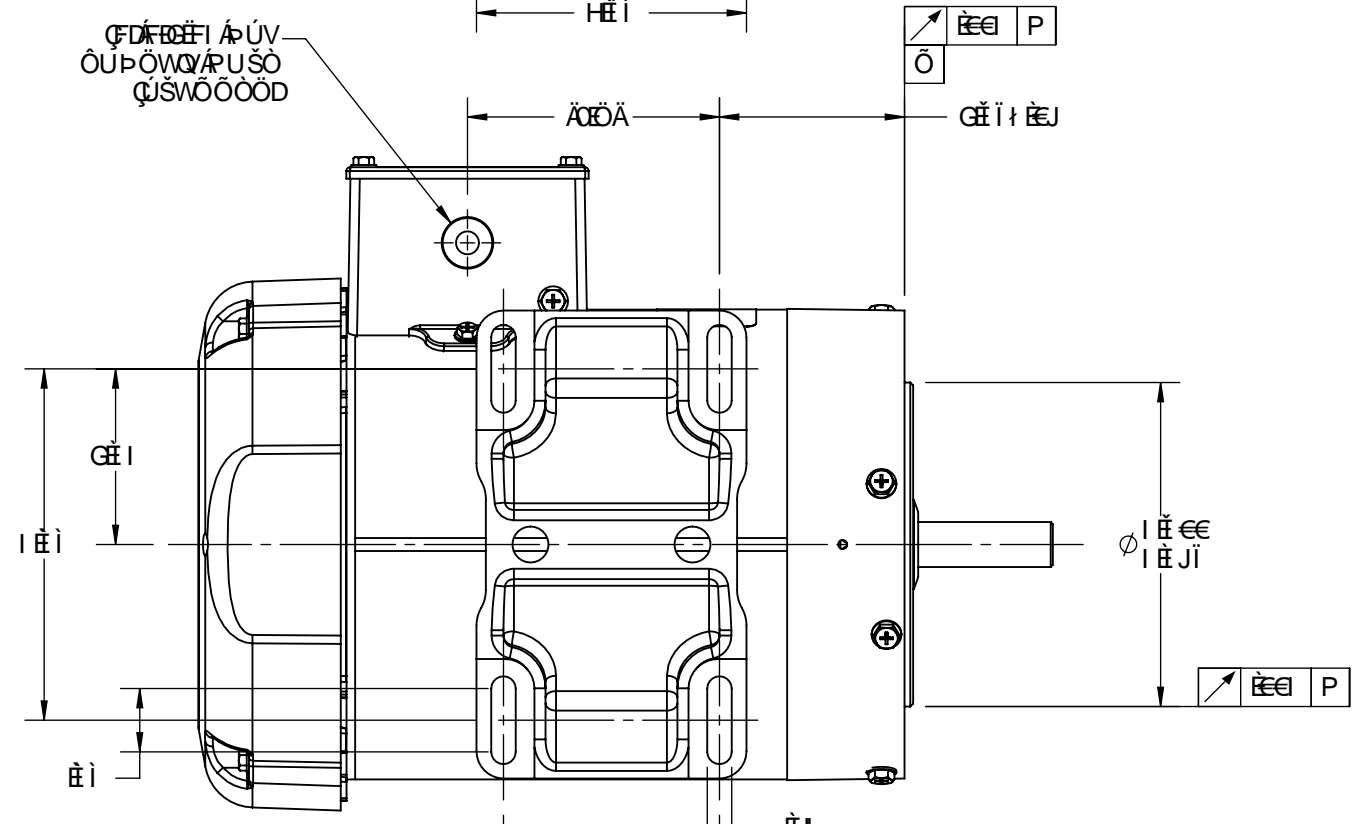
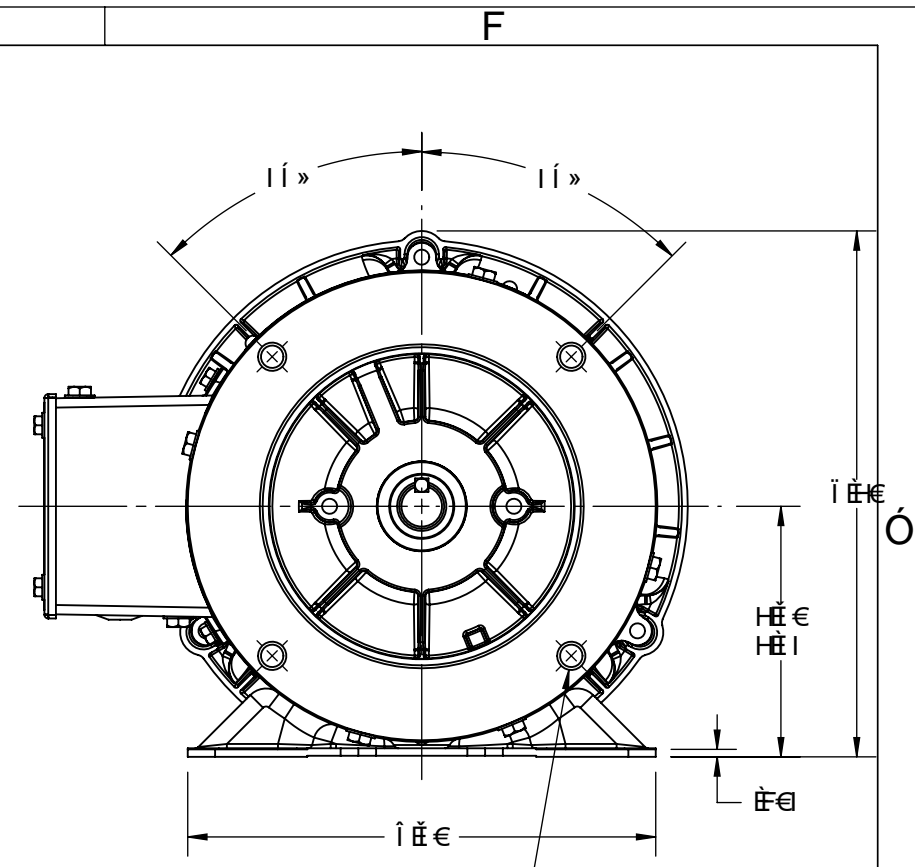
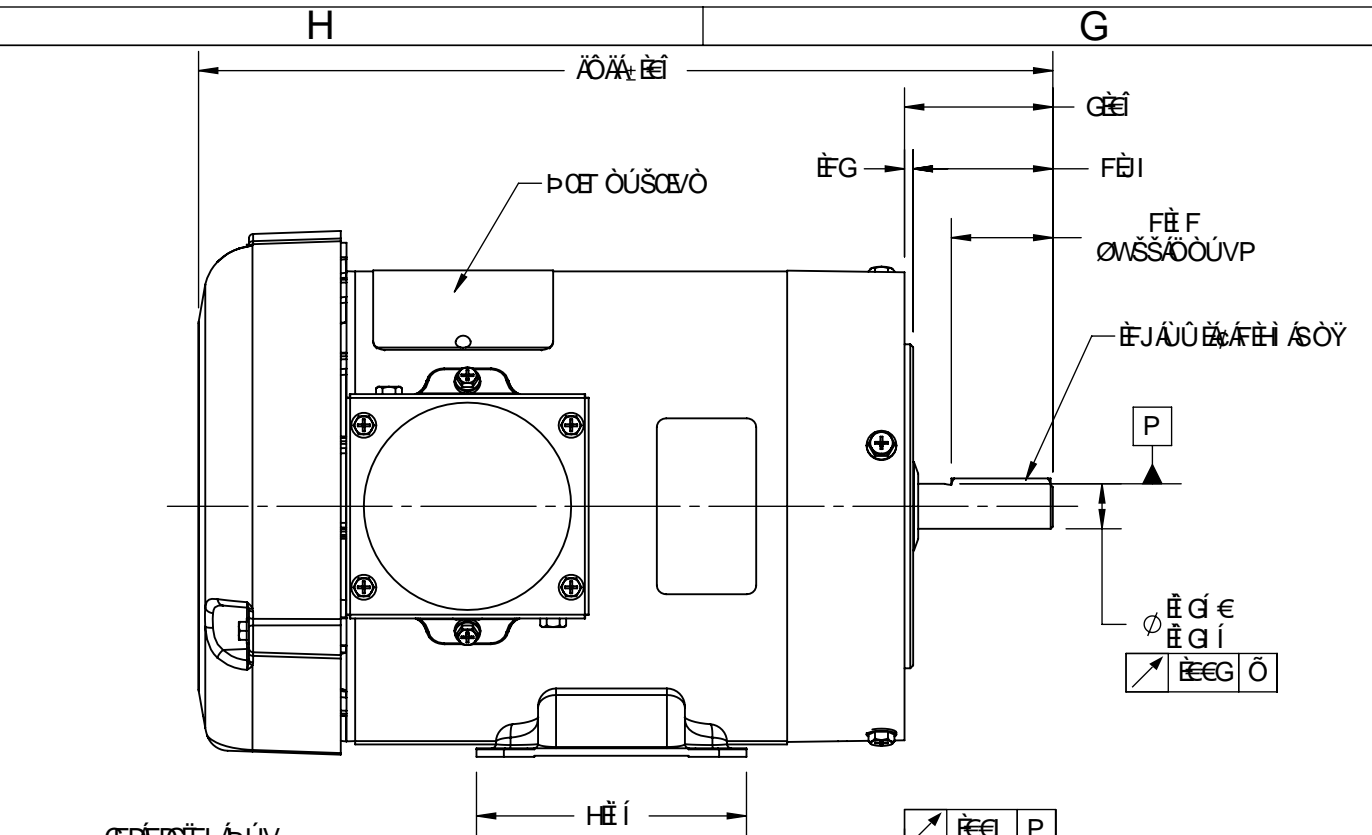
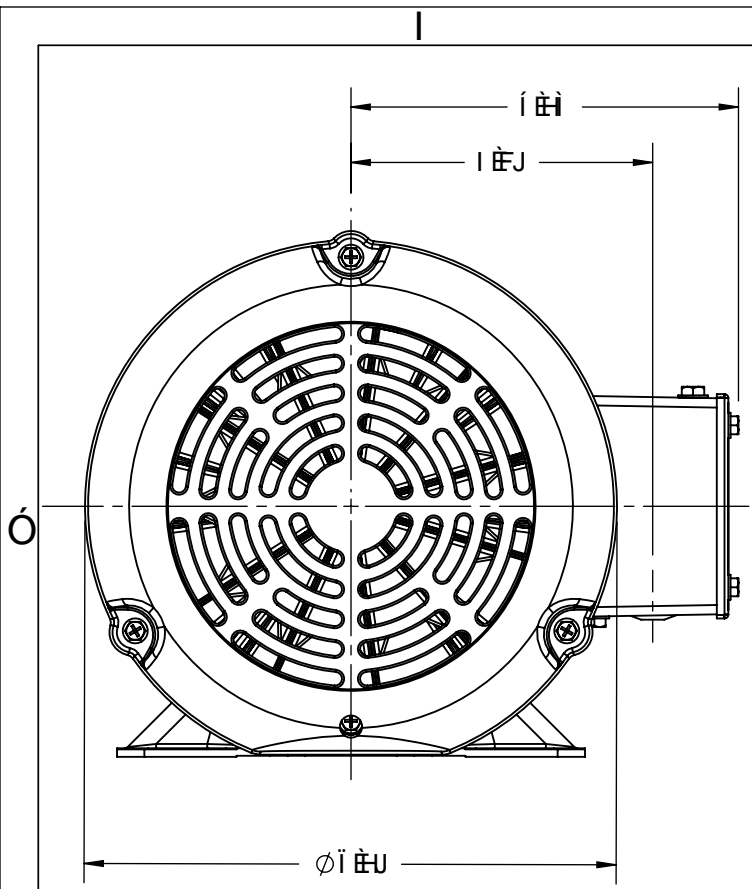


Nameplate Specifications

Phase	3	Output HP	0.50 Hp
Output KW	0.37 kW	Voltage	575 V
Speed	1725 rpm	Service Factor	1.15
Frame	56C	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	74 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	0.80 A	Power Factor	63
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	K
Drive End Bearing Size	6205	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	N	IP Code	55
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	75 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 56	Overall Length	10.62 in
Frame Length	4.75 in	Shaft Diameter	0.625 in
Shaft Extension	1.88 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	005102.01	Outline Drawing	607-0002-525



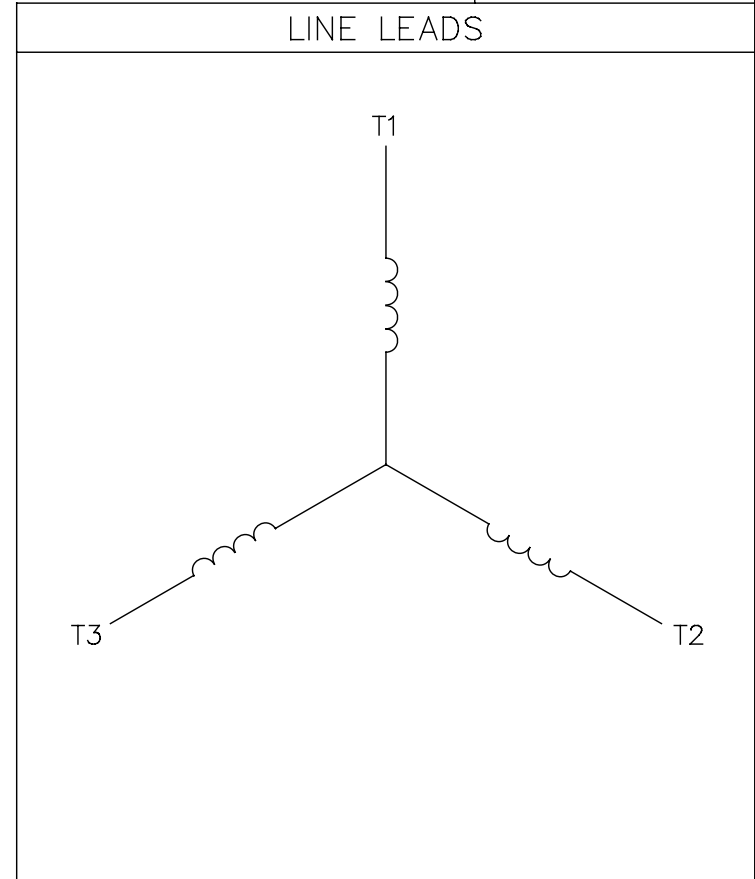
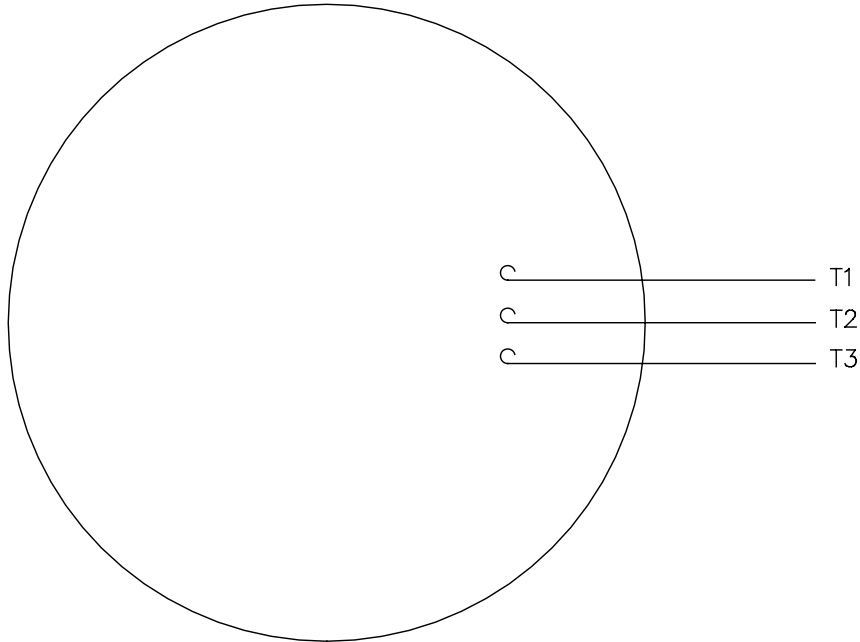
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005102-01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



CONNECT LEADS AS FOLLOWS  
FOR FOUR CONDUCTOR CORD ( )

|       |             |               |               |         |
|-------|-------------|---------------|---------------|---------|
| CORD  | L1<br>(RED) | L2<br>(WHITE) | L3<br>(BLACK) | (GREEN) |
| MOTOR | T1          | T2            | T3            | GROUND  |

|                                                                                                                                                                                                                                        |                                    |              |     |                                |        |                                                            |  |                   |             |      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|--------------|-----|--------------------------------|--------|------------------------------------------------------------|--|-------------------|-------------|------|
|                                                                                                                                                                                                                                        |                                    |              |     | TOLERANCES<br>UNLESS SPECIFIED |        | <b>REGAL</b> ™ <b>Regal Beloit America, Inc.</b>           |  | DRAWN JRW 9/11/75 |             |      |
|                                                                                                                                                                                                                                        |                                    |              |     | DEC.                           | INCHES |                                                            |  | CHK               |             |      |
|                                                                                                                                                                                                                                        |                                    |              |     | .X                             | ±.1    |                                                            |  | APPD JCW 9/11/75  |             |      |
| 08                                                                                                                                                                                                                                     | UPDATED TO REGAL LOGO              | SAJ 06/26/15 | AJY | .XX                            | ±.01   | TITLE<br>EXTERNAL WIRING DIAGRAM<br>TYPE "T" W/O PROTECTOR |  | SCALE 1=1         |             |      |
| 07                                                                                                                                                                                                                                     | UPDATED TO CURRENT STANDARDS       | DBT 5/30/97  |     | .XXX                           | ±.005  |                                                            |  | REF W-T6343-6     |             |      |
| 06                                                                                                                                                                                                                                     | REDRAWN ON CAD; ADDED DECAL NUMBER | SAW 1/24/95  |     | .XXXX                          | ±.0005 |                                                            |  | FMF 6T17FB7       |             |      |
| NO.                                                                                                                                                                                                                                    | REVISION                           | BY & DATE    | CHK | ANG                            | ±1/2"  | FINISH                                                     |  | PREV              |             |      |
| THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT<br>IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED<br>THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT |                                    |              |     | RFP                            | 5/1/02 | CAD FILE 00510201                                          |  | SIZE              | DRAWING NO. | REV. |
|                                                                                                                                                                                                                                        |                                    |              |     | DIST BRF-NLV                   |        |                                                            |  | A                 | 005102-01   | 08   |



1051 CHEYENNE AVE.  
GRAFTON, WI 53024  
PH. 262-377-8810

**CERTIFICATION DATA SHEET**

**CONN. DIAGRAM:** 005102.01  
**OUTLINE:** 607-0002-475  
**WINDING #:** T634199 FR 4 A

**CATALOG #:** 112483.00  
**MOUNTING:** F1 ONLY

**TYPICAL MOTOR PERFORMANCE DATA**

| HP  | kW   | SYNC. RPM | F.L. RPM | FRAME | ENCLOSURE | KVA CODE | DESIGN |
|-----|------|-----------|----------|-------|-----------|----------|--------|
| 1/2 | 0.37 | 1800      | 1725     | 56C   | TEFC      | K        | B      |

| PH | Hz | VOLTS | AMPS | START TYPE      | DUTY       | INSL | S.F. | AMB°C |
|----|----|-------|------|-----------------|------------|------|------|-------|
| 3  | 60 | 575   | .8   | ACROSS THE LINE | CONTINUOUS | F4   | 1.15 | 40    |

| FULL LOAD EFF: | 74 | 3/4 LOAD EFF: | 67 | 1/2 LOAD EFF: | 60 | GTD. EFF | ELEC. TYPE      |
|----------------|----|---------------|----|---------------|----|----------|-----------------|
| FULL LOAD PF:  | 63 | 3/4 LOAD PF:  | 55 | 1/2 LOAD PF:  | 43 | 66       | SQ CAGE IND RUN |

| F.L. TORQUE | LOCKED ROTOR AMPS | L.R. TORQUE       | B.D. TORQUE       | F.L. RISE°C |
|-------------|-------------------|-------------------|-------------------|-------------|
| 24.16 OZ-FT | 4.2               | 60.48 OZ-FT 250 % | 82.24 OZ-FT 340 % | 110         |

| SOUND PRESSURE @ 3 FT. | SOUND POWER | ROTOR WK^2   | MAX. WK^2   | SAFE STALL TIME | STARTS / HOUR | APPROX. MOTOR WGT |
|------------------------|-------------|--------------|-------------|-----------------|---------------|-------------------|
| 0 dBA                  | 10 dBA      | 0.05 LB-FT^2 | 0.1 LB-FT^2 | 0 SEC.          | 0             | 31 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               | FALSE      | NONE    | WHITE - LEESON (EPOXY) |

| BEARINGS |      | GREASE     | SHAFT TYPE  | SPECIAL DE | SPECIAL ODE | SHAFT MATERIAL        | FRAME MATERIAL |
|----------|------|------------|-------------|------------|-------------|-----------------------|----------------|
| DE       | ODE  |            |             |            |             |                       |                |
| BALL     | BALL | POLYREX EM | STANDARD 56 | NONE       | NONE        | 303 STAINLESS (C-501) | ROLLED STEEL   |
| 6205     | 6203 |            |             |            |             |                       |                |

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

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|-------------------------------------------------------------------------------|
| <b>INVERTER TORQUE:</b> NONE                                                  |
| <b>INV. HP SPEED RANGE:</b> NONE                                              |
| <b>ENCODER:</b> NONE<br>NONE NONE<br>NONE NONE PPR                            |
| <b>BRAKE:</b> NONE NONE<br>NONE P/N NONE<br>NONE NONE<br>FT-LB NONE V NONE Hz |



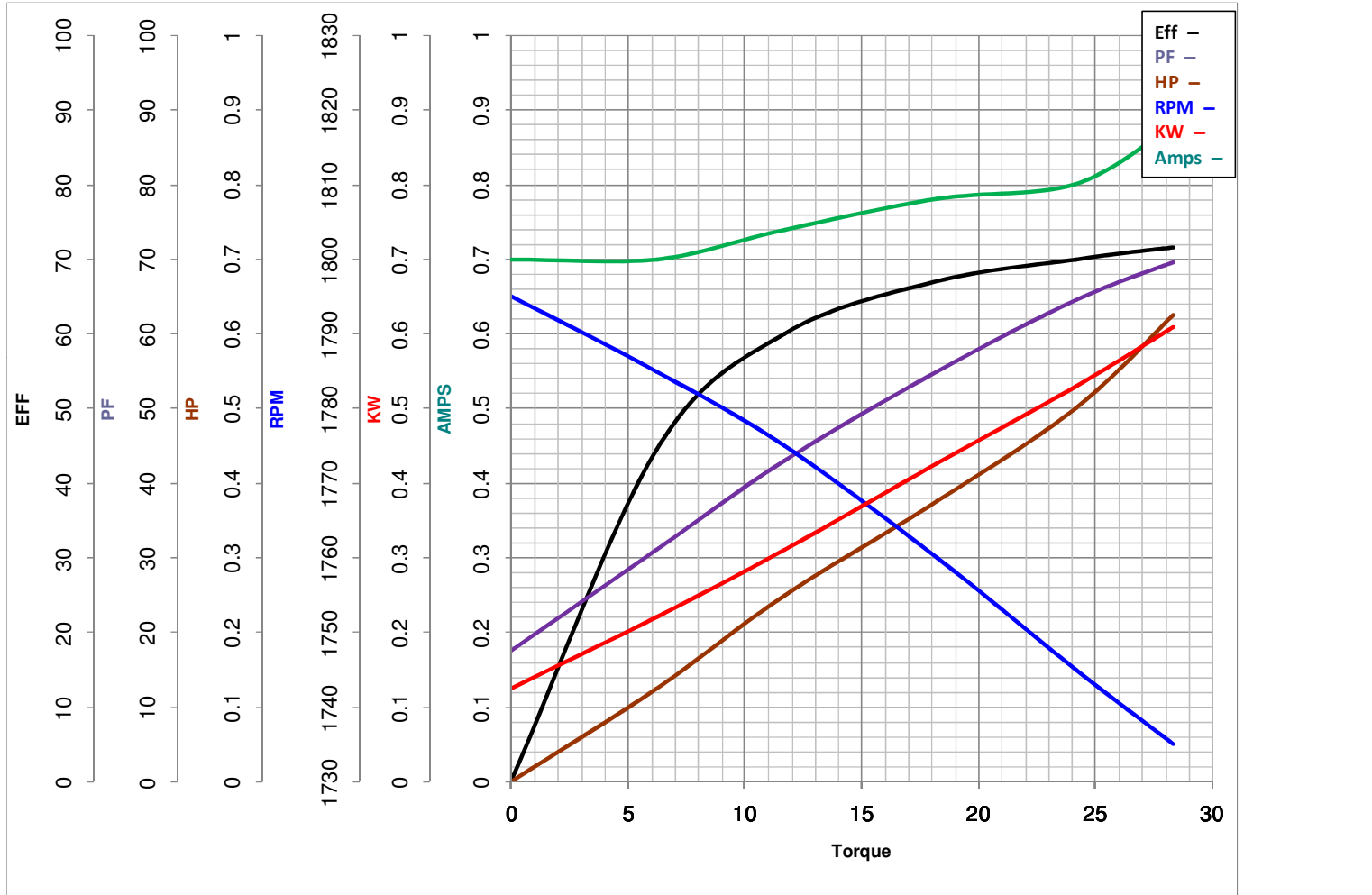
**LEESON ELECTRIC CORPORATION**  
TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 112483

Catalog No 112483

Curve at 575 Volts      HP 0.50      PHASE 3  
60 HZ  
0.5 HP      VOLTS 575

HZ 60      RPM 1725



|           |              |       |           |                 |       |
|-----------|--------------|-------|-----------|-----------------|-------|
| FL TORQUE | <u>24.16</u> | Oz.Ft | FL AMPS   | <u>0.8</u>      |       |
| BD TORQUE | <u>82.2</u>  | Oz.Ft | PU TORQUE | <u>57.8</u>     | Oz.Ft |
| LR TORQUE | <u>60.48</u> | Oz.Ft | LR AMPS   | <u>4.16</u>     |       |
| WINDING   | T634199-     |       | Date      | <u>4/1/2019</u> |       |