

PRODUCT INFORMATION PACKET



Model No: 821135.00

Catalog No: 821135.00

..30HP..1800RPM.286TYZ.TEFC.230/460VAC.3PH.60HZ.CONT.40C.1.15 SF.2 & 4 Bolt SAE C.....

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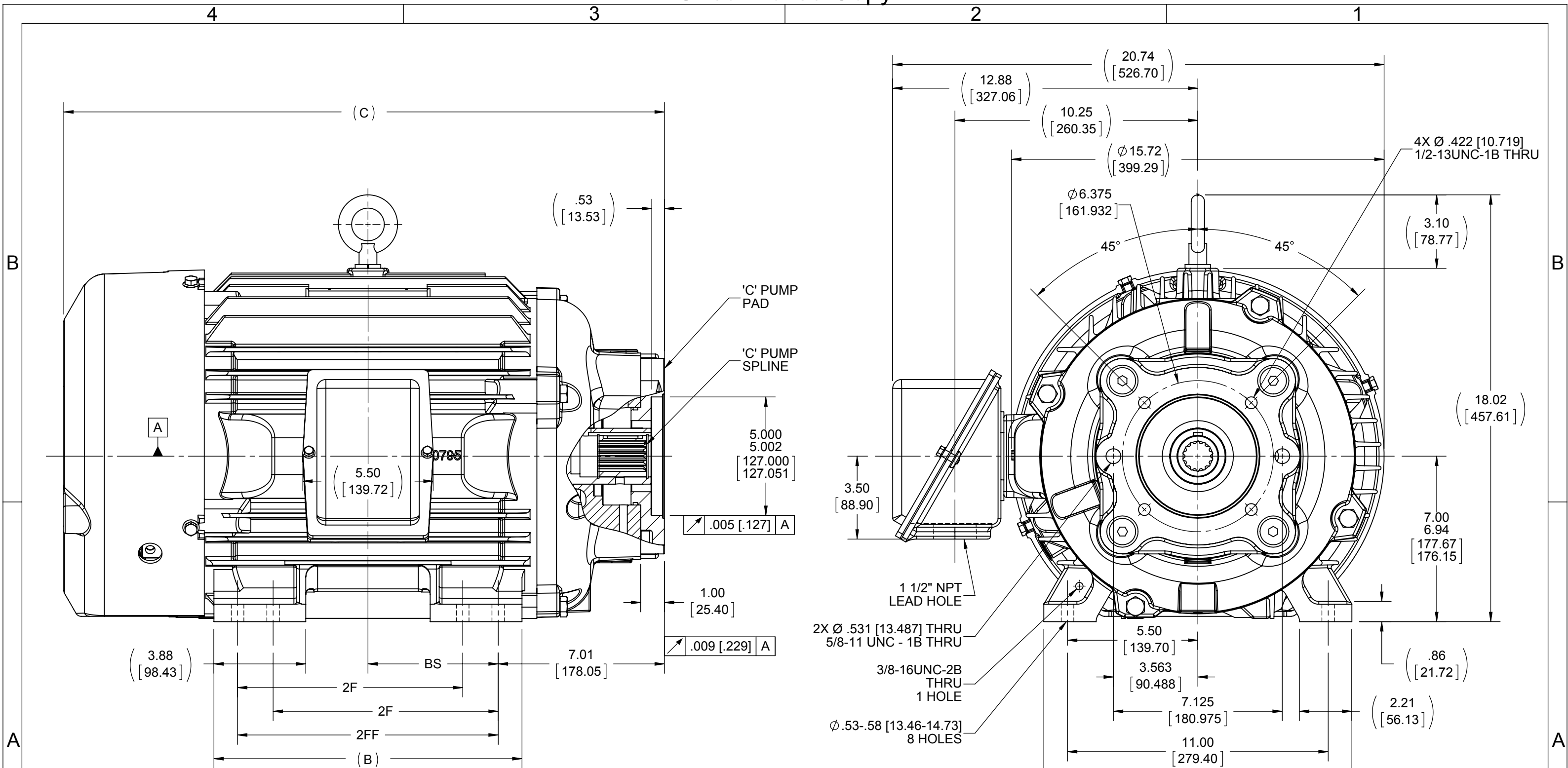
Nameplate Specifications

| | | | |
|------------------------|---------------------|----------------------------|-----------------------------|
| Phase | 3 | Output HP | 30 & 25 Hp |
| Output KW | 22.4 & 18.7 kW | Voltage | 230/460 & 190/380 V |
| Speed | 1770 & 1470 rpm | Service Factor | 1.15 & 1.0 |
| Frame | 286 | Enclosure | Totally Enclosed Fan Cooled |
| Thermal Protection | No Protection | Efficiency | 93.6 & 93 % |
| Ambient Temperature | 40 °C | Frequency | 60 & 50 Hz |
| Current | 75/37.5 & 75/37.5 A | Power Factor | 80 |
| Duty | Continuous | Insulation Class | F |
| Design Code | B | KVA Code | G |
| Drive End Bearing Size | 6312 | Opp Drive End Bearing Size | 6210 |
| UL | Recognized | CSA | Y |
| CE | Y | IP Code | 55 |
| Number of Speeds | 1 | | |

Technical Specifications

| | | | |
|-----------------------|------------------------------|-----------------------|------------------|
| Electrical Type | Squirrel Cage Inverter Rated | Starting Method | Line Or Inverter |
| Poles | 4 | Rotation | Reversible |
| Resistance Main | .23 Ohms | Mounting | Rigid Base |
| Motor Orientation | Horizontal | Drive End Bearing | Ball |
| Opp Drive End Bearing | Ball | Frame Material | Cast Iron |
| Shaft Type | Hyd Pump Adaptor Shaft | Assembly/Box Mounting | F1/F2 CAPABLE |
| Inverter Load | CONSTANT 10:1 | | |
| Outline Drawing | SS312650-1425 | Connection Drawing | A-EE7308 |

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- NOTES:
- CONDUIT BOX CAN BE ROTATED IN 90° STEPS
 - CONDUIT BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°.
 - NAMEPLATE TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

| DASH | FRAME | B | C | 2F | 2FF | BS |
|------|-----------|-------------------|-------------------|------------------|-------------------|------------------|
| 1275 | 284TZ | 11.50 [292.10] | 23.85 [605.66] | --- | 9.50 [241.30] | 4.75 [120.65] |
| 1425 | 284/286TZ | 13.00 [330.20] | 25.35 [643.76] | 9.50 [241.30] | 11.00 [279.40] | 5.50 [139.70] |

| DRAWING REVISION | REVISION BY | DATE |
|--|-------------|------|
| A | | |
| ECO | APPROVED BY | DATE |
| ECO-0061014 | | |
| ECO DESCRIPTION | | |
| MU113895, NMR-0067885 | | |
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| TOLERANCES UNLESS OTHERWISE SPECIFIED: | ANGLE |
|--|---------|
| DEC. ±0.1 [±2.5] | ±7° 30" |
| .X ±0.03 [±0.76] | |
| .XX ±0.005 [±0.127] | |
| .XXX ±0.0005 [±0.0127] | |
| .XXXX ±0.00005 [±0.00127] | |
| REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381] | |
| CORNER FILLETS: .02 [0.51] | |
| MACHINED SURFACES: 200 INCH 5.1 mm | |
| mm SHOWN IN [BRACKETS] | |

| DRAWN BY | DATE |
|------------------------|------------|
| LPC | 09-26-2014 |
| APPROVED BY | DATE |
| TB | 09-29-2014 |
| PROCESS/FINISH | |
| | |
| THIRD ANGLE PROJECTION | |

| REGAL | Regal Beloit America, Inc. |
|----------------|--|
| DESCRIPTION | OUTLINE 284/286 FR. - 12.50" LAM - TEFC |
| MATERIAL | |
| SIZE | B |
| DRAWING NUMBER | SS312650 |
| SHEET | 1 OF 1 |



| | | | | | | | | | | | |
|--|--|----------------|---------|--------------------------------|-----------------|---|---------------------|-------------|------|----|------|
| | | | | TOLERANCES UNLESS SPECIFIED | |  Regal Beloit America, Inc. | DRAWN RM 11/20/1990 | | | | |
| 5 | CHG TO REGAL LOGO | SL 09/10/2015 | AB | DEC. | INCHES | | 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 | | SCALE 1=1 | | | | |
| 2 | ADDED THE OPTIONAL CORD CONNECTION MU46318 | RDH 04/24/2003 | DRS | .XXX | ±.005 | TITLE CONNECTION DIAGRAM 3Ø – DUAL VOLTAGE MOTOR | REF | | | | |
| 1 | REDRAWN | RM 11/20/1990 | | .XXXX | ±.0005 | MAT'L | FMF | | | | |
| NO. | REVISION | BY & DATE | CHK | ANG | ±7"30" | FINISH | PREV | | | | |
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