PRODUCT INFORMATION PACKET

Model No: 324THFCD19058 Catalog No: W573A-P XRI®-841 Severe Duty Motor, 40 HP, 3 Ph, 60 Hz, 460 V, 1800 RPM, 324T Frame, TEFC



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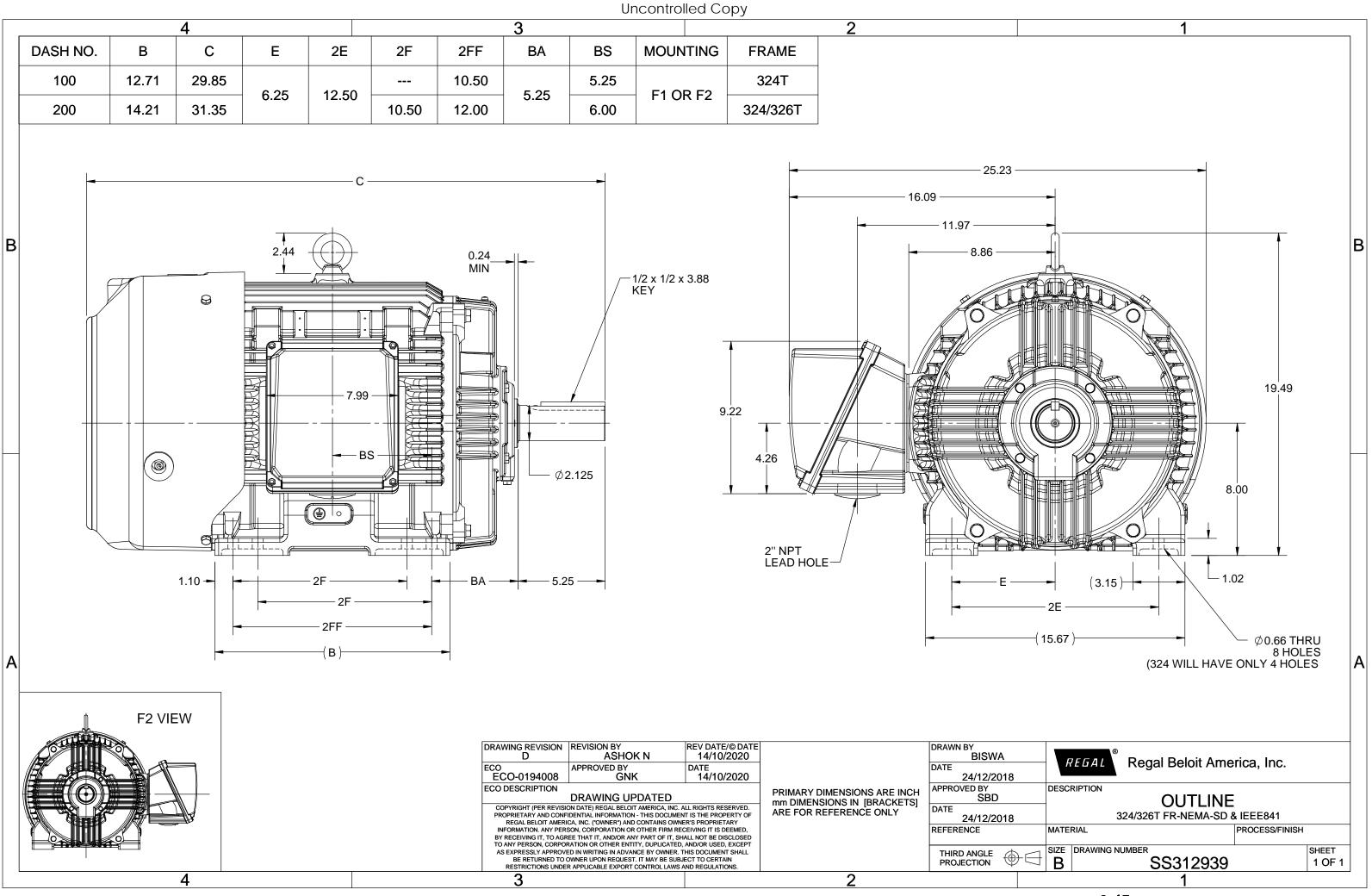
Nameplate Specifications

| Output HP | 40 Hp | Output KW | 30.0 kW | | |
|------------------------|---------------|----------------------------|-----------------------------|--|--|
| Frequency | 60 Hz | Voltage | 460 V | | |
| Current | 47.5 A | Speed | 1782 rpm | | |
| Service Factor | 1.15 | Phase | 3 | | |
| Efficiency | 94.1 % | Power Factor | 84 | | |
| Duty | Continuous | Insulation Class | Н | | |
| Design Code | В | KVA Code | G | | |
| Frame | 324T | Enclosure | Totally Enclosed Fan Cooled | | |
| Thermal Protection | No Protection | Ambient Temperature | 40 °C | | |
| Drive End Bearing Size | 6312 | Opp Drive End Bearing Size | 6212 | | |
| UL | Recognized | CSA | Y | | |
| CE | Y | IP Code | 56 | | |
| Number of Speeds | 1 | | | | |

Technical Specifications

| Electrical Type | Squirrel Cage Inverter Rated | Starting Method | Line Or Inverter | | |
|------------------------------|------------------------------|--------------------|----------------------------|--|--|
| Poles | 4 | Rotation | Reversible | | |
| Resistance Main | .18 Ohms | Mounting | Rigid Base | | |
| Motor Orientation | Horizontal | Drive End Bearing | Ball | | |
| Opp Drive End Bearing | Ball | Frame Material | Cast Iron | | |
| Shaft Type | т | Shaft Diameter | 2.125 in | | |
| Assembly/Box Mounting | F1/F2 CAPABLE | Inverter Load | CONSTANT 2:1/VARIABLE 10:1 | | |
| Dutline Drawing SS312939-100 | | Connection Drawing | EE7300 | | |

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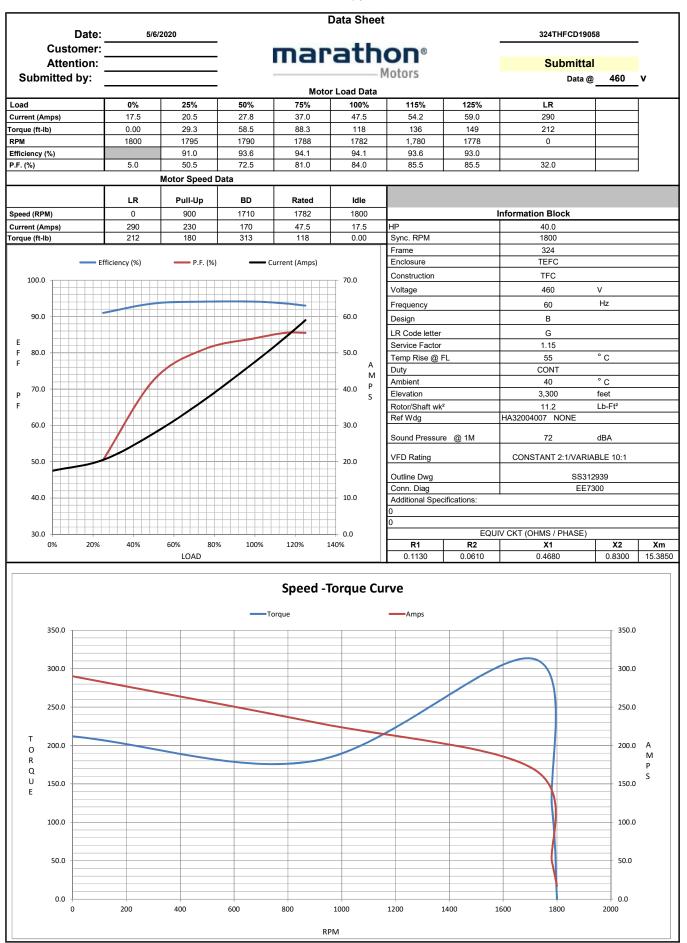
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| | | | | | ma | га | thon® Motors | | | | DATA VOLTS: | 460 | | |
|-----------------------|--------------------------|----------------|----------|--------------|--------------------|---------------------------------------|---------------------------|------------------------|--------------------|-----------------------------|-------------|----------------|---------|--|
| | | | | | | CER | TIFICATION DATA S | HEET | | | | | | |
| CONN. DIAGRAM: EE7300 | | | | | | R | EFERENC | E MODEL #: CAT #: | 324THFCD190 W57 | 58 73A-P | | - | | |
| OUTLINE: WINDING: | | SS312939 HA | 32004007 | NONE | | | | | | | | | | |
| | | | | | | PICAL | MOTOR PERFORMA | | | | | | | |
| HP 40 | KW 30 | | | FL RF 178 | | | ENCLOSURE TEFC | | TYPE TFC | KVA CODE G | | DESIG | | |
| | | | | | | | | | | | | | | |
| PH | HZ | | LTS | AMP | | START TYPE | | | UTY | INSL | S.F. | AMB (° C) | · · | |
| 3 | 60 | 46 | 60 | 47.5 | 5 | | LINE OR INVERTER | C | ONT | Н | 1.15 | 40 | 3300 | |
| | F.L. EFF | 94.1 | | 3/4 LD EFF | 94.1 | 1 | 1/2 LD EFF | 93.6 | GTD EFF | | ELECT. T | /PF | | |
| - | F.L. PF | 84.0 | | 3/4 LD PF | 81.0 | | 1/2 LD PF | 72.5 | 93.6 | | SQ CAGE INV | | | |
| | | | | | | | | | | | | | | |
| | ORQUE | | LR AMPS | | L.R. TORQUE | | B.D. TORQU | | | | (°C) | <u> </u> | | |
| 118 | LB-FT | | 290 | | 212 | LB-FT | 180% | 313 | LB-FT | 265% | 55 | | | |
| SOUND P | RESSURE | SOL | JND | ROTOR | WK ² | | MAX. LOAD WK ² | SAFE S | TALL TIME | START | S/HOUR | API | ROX. | |
| 72 | dBA | 81 | dBA | 11.2 | LB-FT ² | 275 | LB-FT ² | 20 | SEC. | | 2 | 657 | LB. | |
| | | | | | | | | | | | | | | |
| | | ODE BF | ACKET | MOUNT | мо | TOR | PLEMENTAL INFORMA | | ARDOUS | | | 1 | | |
| DE BRAC | KET TYPE | TY | | TYPE | | TATION | SEVERE DUTY | E DUTY LOCATION | | DRIP COVER | | | PAINT | |
| STAN | NDARD | STAN | DARD | RIGID | HORIZ | ONTAL | PREMIUM SEVERE DUTY | N | IONE | NO | NONE | BLUE (| (EPOXY) | |
| BEAI DE | BEARINGS DE ODE | | ASE | SHAFT | TYPE | SPECIAL DE | | SPECIAL ODE | | SHAFT MATERIAL | | FRAME MATERIAL | | |
| BALL 6312 | BALL 6212 | POLYF | REX EM | т | | NONE | | NONE | | 1045 HOT ROLLED (C-204) | | CAST IRON | | |
| | | PROTE | CTORS | WDG R | TD'e | BRG RTD's | | THERMISTORS CO | | | | | | |
| THERMOSTATS NONE | | N | | NON | | NONE | | NONE | | FALSE | | NA | | |
| | | | | | | | I | | | | | | | |
| | nms/ph) | | ms/ph) | X1 (ohm | | · · · · · · · · · · · · · · · · · · · | | Xm (ohms/ph) 15.385 | | VIBRATION (in/sec) 0.080 | | | | |
| 0. | 113 | 0.0 | רסנ | 0.46 | 0 | I | 0.83 | 1: | J.JOJ | 0. | UOU | 1 | | |
| * | | | | | | | | If Inverter | | , contact factory | | | | |
| N | | | | | | | | | | ER TORQUE: | | /VARIABLE | 10:1 | |
| O T | | | | | | | | | INV. HP SF | EED RANGE: | NUNE | | | |
| E | | | | | | | | | ENCODER: | NONE | | | | |
| s | | | | | | | | | NONE | | | | | |
| * | | | | | | | | | NONE | | | NONE | PPR | |
| | | | | | | | | | BRAKE: | | | - | | |
| PREPARED BY: | | | | | | NONE NONE | | | | | | | | |
| | DAIL. | 0,10 | | | | | | | VOLTAGE: | | NE | | н | |
| | | | | | | | | | | | | | | |
| | 531 REV_4 to change w | | | | | | | | | | | | | |

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EC Declaration of Conformity

The undersigned representing the manufacturer:

Regal Beloit America 100 East Randolph St. Wausau, WI 54401 and the authorized representative established within the Community:

Marathon Electric UK 6F Thistleton Road Ind. Estate Market Overton Oakham, Rutland LE15 7PP UK

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: 324THFCD19058

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

Catalog No : W573A-P

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:

Michael A Logsdon

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

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Authorized Representative in the Community:

Julian Clark Marketing Engineer