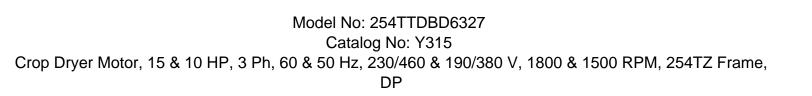
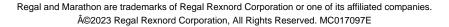
PRODUCT INFORMATION PACKET







marathon[®]





Product Information Packet: Model No: 254TTDBD6327, Catalog No:Y315 Crop Dryer Motor, 15 & 10 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 & 1500 RPM, 254TZ Frame, DP

marathon®

Nameplate Specifications

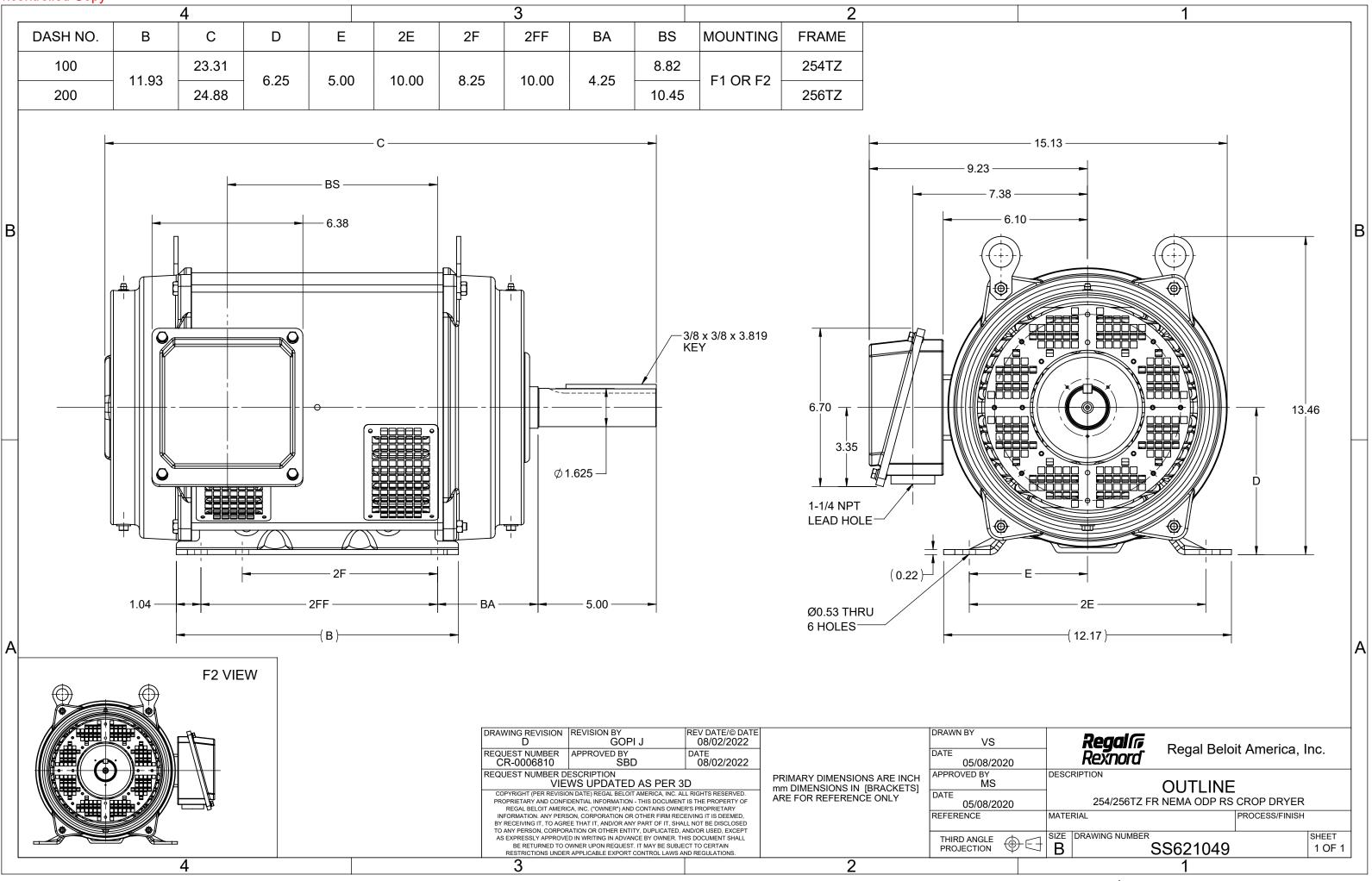
| Phase | 3 | Output HP | 15 & 10 Hp |
|------------------------|---------------------|----------------------------|---------------------|
| Output KW | 11.2 & 7.5 kW | Voltage | 230/460 & 190/380 V |
| Speed | 1774 & 1478 rpm | Service Factor | 1.15 & 1.15 |
| Frame | 254TZ | Enclosure | Drip Proof |
| Thermal Protection | No Protection | Efficiency | 93 & 92.3 % |
| Ambient Temperature | 40 °C | Frequency | 60 & 50 Hz |
| Current | 37.5/18.8 & 32/16 A | Power Factor | 81 |
| Duty | Continuous | Insulation Class | F |
| Design Code | В | KVA Code | G |
| Drive End Bearing Size | 6309 | Opp Drive End Bearing Size | 6208 |
| UL | Recognized | CSA | Y |
| CE | Y | IP Code | 22 |
| Number of Speeds | 1 | | |

Technical Specifications

| Electrical Type | Squirrel Cage Inverter Rated | Starting Method | Line Or Inverter |
|-----------------------|------------------------------|-------------------|----------------------------|
| Poles | 4 | Rotation | Reversible |
| Resistance Main | .6729 Ohms | Mounting | Rigid Base |
| Motor Orientation | Horizontal | Drive End Bearing | Ball |
| Opp Drive End Bearing | Ball | Frame Material | Rolled Steel |
| Shaft Type | Single Special Extension | Shaft Diameter | 1.625 in |
| | | | |
| Assembly/Box Mounting | F1/F2 CAPABLE | Inverter Load | CONSTANT 2:1/VARIABLE 10:1 |

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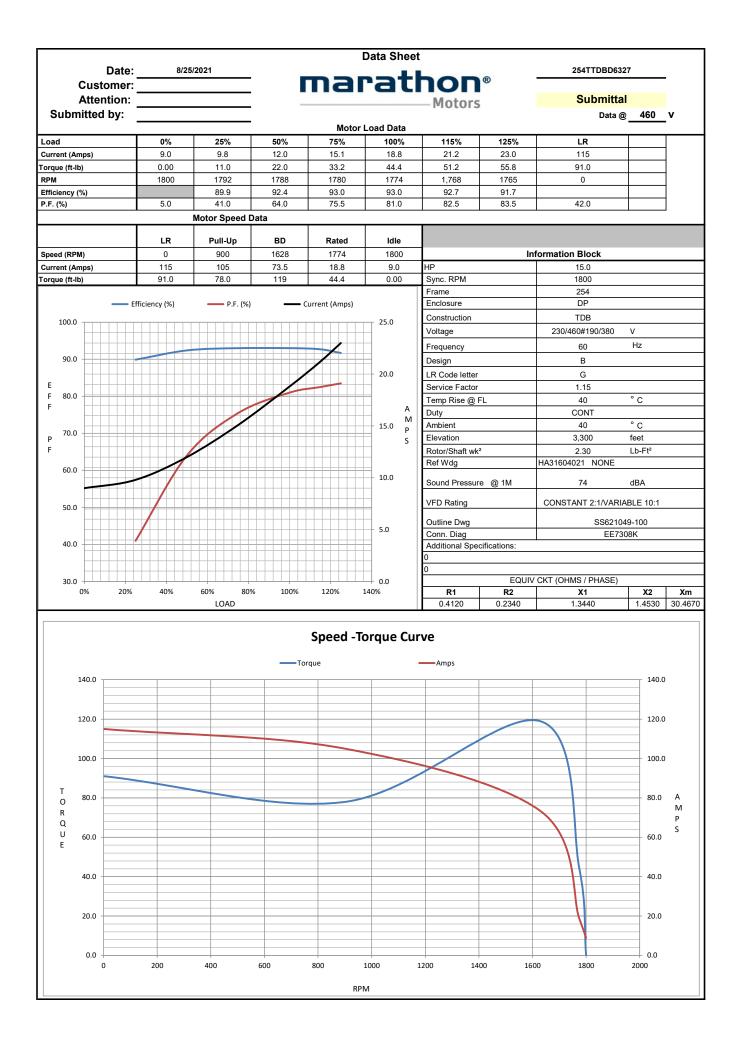
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|--|---------------------------------|------------|----------------|----------------------|----------|-------------------------------------|-----------------|---------------|--|
| LOW VOLTAGE | | | | | | | | EE | 7308K |
| T1(U1) T6(W2) T7(U3) | | | | | | | | | |
| T2(V1) T4(U2) T8(V3) | <u>)</u> | | | | | | | | |
| T3(W1) T5(V2) T9(W3) | 3 | | | _ | | • T9 T4 • | | | -T6(W2) -T9(W3) -T1(U1) -T4(U2) |
| HIGH VOLTAGE T1(U1)L1 | | | | / | C C | Jon Star | | | -T7(U3) -T2(V1) -T5(V2) |
| T4(U2) T7(U3) | | | | | | | | | -T8(∨3) -T3(W1) |
| T2(V1)La |) - | / | | | ~ | | | | |
| T5(V2) T8(V3) | / | | | | | | | | |
| T3(W1)L3 | } | | | /IEW | / 🗆 F | TERMINAL | END | <u> </u> | |
| T6(W2) | | | | | | | | | |
| | | ļ | TOLE UNLESS | ERANCES SPECIFIEI | | ANN NIKA NA NA NA | | DRAWN | PGK 06-04-1997 |
| E CORRECTED IEC MARKINGS ECO-0111208 | WGJ 01-23-2017 | EMH | | INCHES | R | EGAL REGAL - BELO | OIT CORPORATION | СНК | ML 06-05-1997 |
| D RE-DRAWN WITH REGAL LOGO ECO-0110493 8 ADDED IEC DESIGNATIONS MU95020 | WGJ 09-30-2016 TJW 4/30/2010 | EMH MJS | | ±.1 ±.02 | TITLE | | CDAM | APPD SCALE | GK 06-15-1997 |
| 8 ADDED IEC DESIGNATIONS MU95020 7 REVISD HIGH VOLTAGE L2 WAS L3 CN52600-354 | MRB 09-21-1998 | | | ±.02 | | CONNECTION DIA DELTA CON, - 30 - | | REF | |
| 6 REDRAWN ON CADD | PGK 06-05-1997 | | | ±.0005 | MAT'L. | | | FMF | |
| ND. REVISION | BY & DATE | СНК | | ±7′30″ | FINISH | | | PREV | |
| THIS DRAWING IN DESIGN AND DETAIL IS DUR PROPERTY AND MUST NO | | RFP | · · · · · | | CAD FILE | EE7308K | SIZE DRAWING | | |
| IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCAL | | DIST | | | | | A E | E7308 | K E |

| | | | | ma | Га | athon® Motors | | DAT | P.O. BOX WAUSAU, PH. 715-6 A VOLTS: | WI 54401-8003 | | | |
|--|--------------------------|------------------------------|-------------------------|--|--|---|---------------------------------------|--|--|-------------------------------|---------------|------------------------|--|
| | | | | | CE | RTIFICATION DATA S | HEET | | | | | | |
| CUSTOM | | | | | | - | | MER P.O. #: | 25477080 | 6207 | | | |
| ORDER #: CONN. DIAGRAM: OUTLINE: | | EE7308K SS621049-100 | | | REFERENCE MODEL #: CAT #: CUSTOMER PART #: | | | 23411066 | Y315 | | | | |
| WINDING SPEED: | 5: | HA31604021 | NONE | 2 | | | | | F1/F2 CAP | ABLE | | | |
| HP | ĸw | SYNC RPM | FL | RPM | YPICAL | MOTOR PERFORMA | ANCE DATA ENCLOSURE | | TYPE | KVA CODE | | DESIGN | |
| 15 | 11.2 | 1800 | 1 | 774 | | 254TZ | DP | | TDB | G | | В | |
| PH | HZ | VOLTS | | MPS | | START TYPE | DUTY | | INSL | S.F. | AMB | ELEV. | |
| 3 | 60/50 | 230/460#190/380 | | 3.8&32/16 | | | CONT | | F | 1.15 40 | | 3300 | |
| | F.L. EFF F.L. PF | | 3/4 LD EFF 3/4 LD PF | 93.0 75.5 | | 1/2 LD EFF 1/2 LD PF | 92.4 64.0 | GTD EFF 92.4 | ELECT. TYPE SQ CAGE INV RATED | | | | |
| | L. TORQUE LB-FT | LR AMPS @ 115 | 460 V | 91.0 | L.R. LB-FT | 205% | | B.D. TORQUI | IE F.L. RISE (° C) | | | | |
| SOUND | PRESSURE @ 3 | SOUND POWER | DOT | 25 W///2 | | | | | STARTS/HOUR APRO | | APROX. | NOTODWOT | |
| 74 | FT. dBA | SOUND POWER 83 dBA | | DR WK ² LB-FT ² | 90 | MAX. LOAD WK ² LB-FT ² | 20 SEC. | | | 2 319.2 | | MOTOR WGT LB. | |
| | | | | | *** SU | PPLEMENTAL INFORMA | TION *** | | | | | | |
| | RACKET TYPE | ODE BRACKET TYPE STANDARD | MOUNT TYPE RIGID | MOTOR ORIEL | | SEVERE DUTY | HAZARDOUS LOCATION NONE | | DRIP COVER YES | SCREENS RODENT B | | PAINT BLUE (ENAMEL) | |
| | BEARINGS | | | | IAL | | | | | | 1 | | |
| DE | ODE BALL | GREASE POLYREX EM | | FT TYPE | | SPECIAL DE 1.625 x 5.00 IN SEK | NONE | | SHAFT MATERIAL 1045 HOT ROLLED (C-204) | | ROLLED STEEL | | |
| 6309 | 6208 | FOLTREX EIM | 362 (| JFL EXI | | 1.023 X 3.00 IN SEK | NONE | | 1045 HOT ROLLED (0-204) | | | | |
| THERMOSTATS | | PROTECTORS | | RTD's | | BRG RTD's | THERMISTORS | | CONTROL | | SPACE HEATERS | | |
| | NONE | NOT | N | NONE NONE | | NONE | | FALSE | | NA | | | |
| R1 | 1 (ohms/ph) 0.412 | R2 (ohms/ph) 0.234 | | hms/ph) .344 | X2 (ohms/ph) 1.453 | | Xm (ohms/ph) 30.467 | | VIBRATION (in/sec) 0.150 | | FLOAT ODE | | |
| × N O T | | | | | | | IN | INVERTER V. HP SPEEI | | CONSTANT 2:1/VARIABLE NONE | 10:1 | | |
| E S | | | | | | | ENCODER: NONE NONE NONE NONE PP | | | | DDD | | |
| PREPARED BY: DATE: 8/25/2021 | | | | | | | BRAKE: NONE NONE NONE FT-LB: NA | | | | | | |
| FORM: 3 | FORM: 3531 REV_4 2/27/06 | | | | | | | VOLTAGE: NONE HZ: UL: V - LI,ME-INS,CONST UL REC HZ: HZ: | | | | | |





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: 254TTDBD6327

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

Catalog No : Y315

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

(€ 22

Authorized Representative in the Community:

Julian Clark Marketing Engineer