

PRODUCT INFORMATION PACKET

Model No: 213TTDBD6035

Catalog No: GT2116

General Purpose Motors, Drip Proof, 7.5 HP, 3 Ph, 60 Hz, 575 V, 1766 RPM, 213TC



Regal and are trademarks of Regal Rexnord Corporation or one of its affiliated companies.

©2022 Regal Rexnord Corporation, All Rights Reserved. MC017097E

Nameplate Specifications

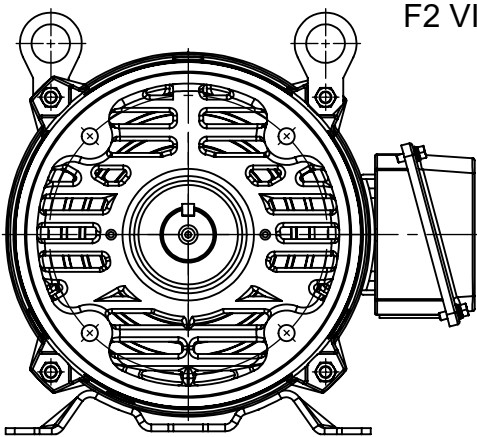
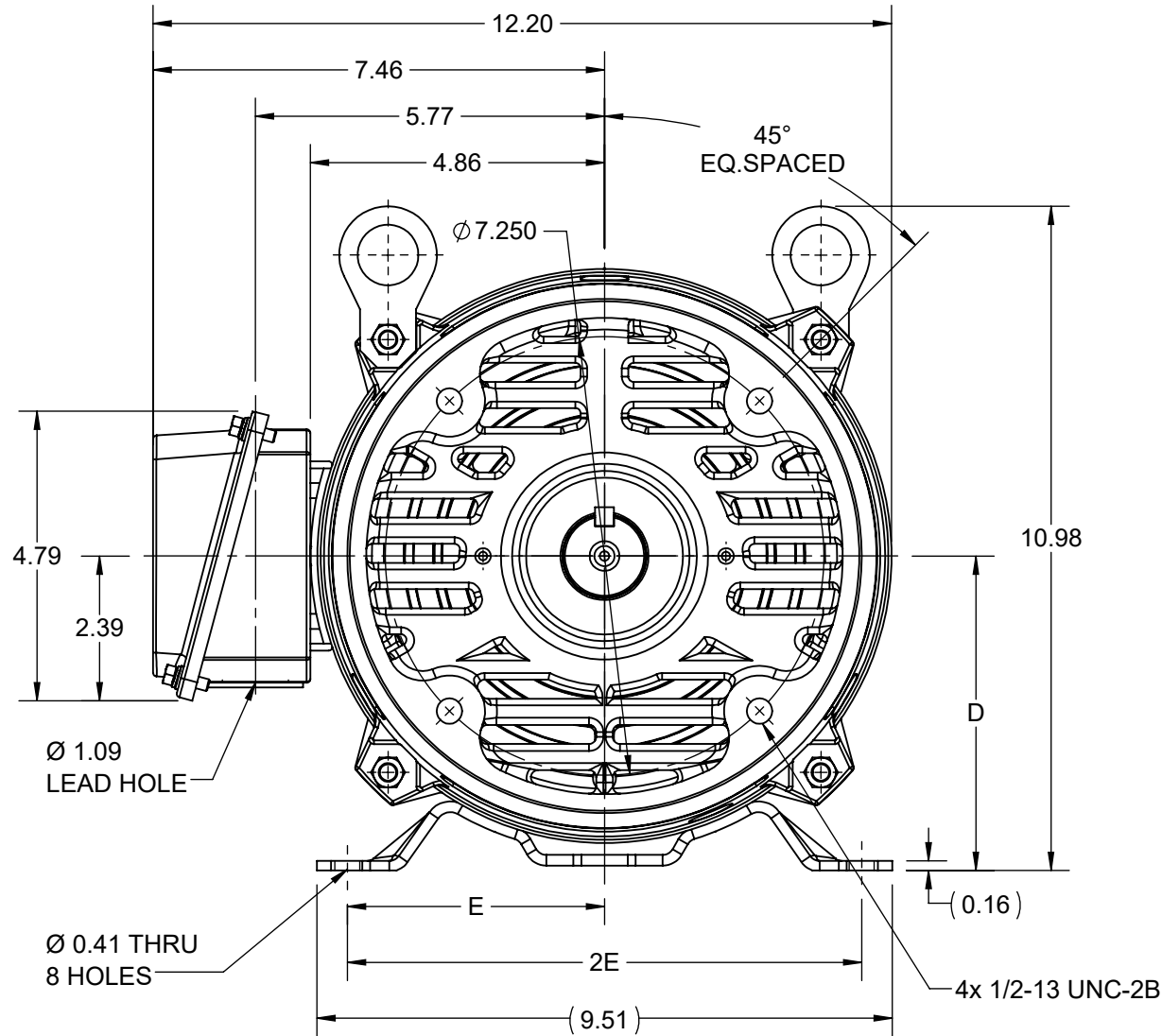
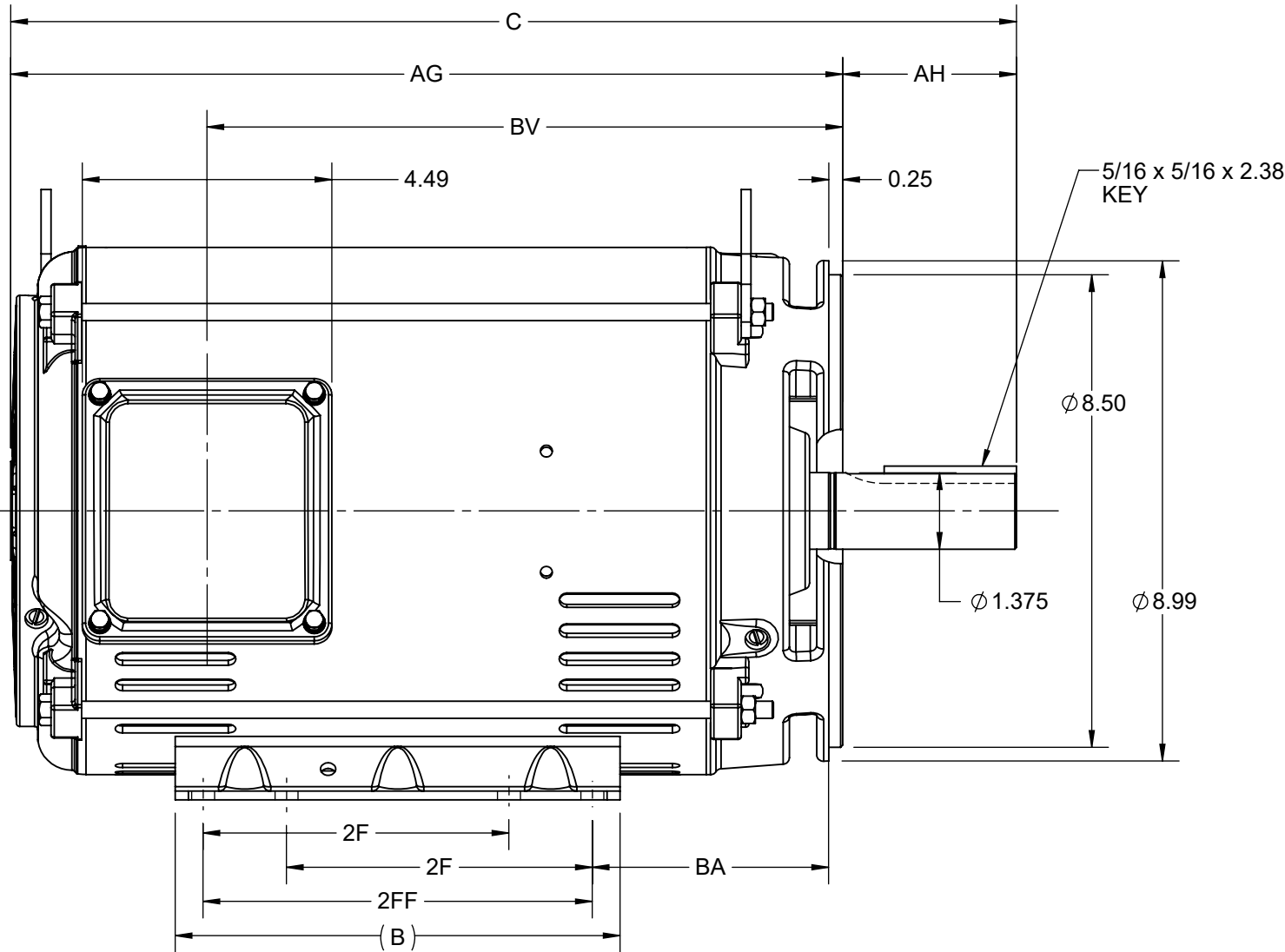
| | | | |
|------------------------|------------|----------------------------|------------|
| Output HP | 7.50 Hp | Output KW | 5.6 kW |
| Frequency | 60 Hz | Voltage | 575 V |
| Current | 7.9 A | Speed | 1766 rpm |
| Service Factor | 1.15 | Phase | 3 |
| Efficiency | 91 % | Power Factor | 77.3 |
| Duty | Continuous | Insulation Class | F |
| Design Code | B | KVA Code | H |
| Frame | 213TC | Enclosure | Drip Proof |
| Thermal Protection | No | Ambient Temperature | 40 °C |
| Drive End Bearing Size | 6307 | Opp Drive End Bearing Size | 6206 |
| 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 | 1.698 Ohms | Mounting | Rigid Base |
| Motor Orientation | Horizontal | Drive End Bearing | Ball |
| Opp Drive End Bearing | Ball | Frame Material | Rolled Steel |
| Shaft Type | T | Shaft Diameter | 1.375 in |
| Assembly/Box Mounting | F1/F2 CAPABLE | Inverter Load | CONSTANT 2:1/VARIABLE 10:1 |
| Outline Drawing | SS620707 | Connection Drawing | EE7300 |



This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:05/06/2022

| 4 | | | | | 3 | | | | | 2 | | 1 |
|------|-------|------|------|------|------|------|-------|------|------|-------|----------|---|
| B | C | D | E | 2E | 2F | 2FF | AG | AH | BA | BV | MOUNTING | |
| 8.00 | 18.09 | 5.25 | 4.25 | 8.50 | 5.50 | 7.00 | 14.96 | 3.12 | 4.25 | 11.43 | F1 OR F2 | |



| | | |
|--|-----------------------|-------------------------------|
| DRAWING REVISION E | REVISION BY GOPI J | REV DATE/© DATE 14/02/2022 |
| REQUEST NUMBER CR-0006891 | APPROVED BY SBD | DATE 14/02/2022 |
| REQUEST NUMBER DESCRIPTION VIEWS UPDATED AS PER 3D | | |
| COPYRIGHT (PER REVISION DATE) REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS. | | |

PRIMARY DIMENSIONS ARE INCH
mm DIMENSIONS IN [BRACKETS]
ARE FOR REFERENCE ONLY

| | | |
|---|--|-----------------------------------|
| DRAWN BY WY |  Regal Beloit America, Inc. | |
| DATE 25/02/2016 | | |
| APPROVED BY ZYW | DESCRIPTION OUTLINE 213/215TC FR NEMA ODP RS | |
| DATE 25/02/2016 | | |
| REFERENCE | MATERIAL | PROCESS/FINISH |
| THIRD ANGLE PROJECTION  | SIZE B | DRAWING NUMBER SS620707 |
| | | SHEET 1 OF 1 |

THREE PHASE - SINGLE VOLTAGE MOTOR - CONDUIT BOX @ 'A'

TO REVERSE ROTATION:
INTERCHANGE ANY TWO
LINE LEAD CONNECTIONS.

TERMINAL BLOCK WHEN SPECIFIED



IF MOTOR HAS 6 LEADS



A-9806 DECAL

OPTIONAL CORD CONNECTION



VIEW OF TERMINAL END

| | | |
|---|--------------------|--------------------|
| DRAWING REVISION AB | REVISION BY JJB | DATE 06-27-2017 |
| ECO ECO-0125361 | APPROVED BY TB | DATE 06-27-2017 |
| ECO DESCRIPTION UPDATED TO CURRENT STANDARDS | | |
| <small>COPYRIGHT REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.</small> | | |

| |
|---------------------------|
| DRAWN BY DA |
| DATE 03-26-1993 |
| APPROVED BY TB |
| DATE 03-26-1993 |
| REFERENCE |
| THIRD ANGLE PROJECTION |



Regal Beloit America, Inc.

DESCRIPTION
CONNECTION DIAGRAM
EXTERNAL - SINGLE VOLTAGE - 3Ø MOTOR

MATERIAL PROCESS/FINISH

| | | |
|-----------|--------------------------|-----------------|
| SIZE A | DRAWING NUMBER EE7300 | SHEET 1 OF 1 |
|-----------|--------------------------|-----------------|



P.O. BOX 8003
WAUSAU, WI 54401-8003
PH. 715-675-3311

DATA VOLTS: 575

CERTIFICATION DATA SHEET

CUSTOMER:

ORDER #:

CONN. DIAGRAM:

OUTLINE:

WINDING:

SPEED:

EE7300

SS620707

HA31324018 NONE 4

CUSTOMER P.O. #:

REFERENCE MODEL #: 213TTDBD6035

CAT #: GT2116

CUSTOMER PART #:

MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

| HP | KW | SYNC RPM | FL RPM | FRAME | ENCLOSURE | TYPE | KVA CODE | DESIGN |
|-----|-----|----------|--------|-------|-----------|------|----------|--------|
| 7.5 | 5.6 | 1800 | 1766 | 213TC | DP | TDB | H | B |

| PH | HZ | VOLTS | AMPS | START TYPE | DUTY | INSL | S.F. | AMB | ELEV. |
|----|----|-------|------|------------------|------|------|------|-----|-------|
| 3 | 60 | 575 | 7.9 | LINE OR INVERTER | CONT | F | 1.15 | 40 | 3300 |

| | | | | | | | |
|----------|------|------------|------|------------|------|---------|-------------------|
| F.L. EFF | 91.0 | 3/4 LD EFF | 91.5 | 1/2 LD EFF | 90.0 | GTD EFF | ELECT. TYPE |
| F.L. PF | 77.3 | 3/4 LD PF | 72.2 | 1/2 LD PF | 60.8 | 90.2 | SQ CAGE INV RATED |

| | | | | |
|-------------|-----------------|-------------|-----------------|----------------|
| F.L. TORQUE | LR AMPS @ 460 V | L.R. TORQUE | B.D. TORQUE | F.L. RISE (°C) |
| 22.3 LB-FT | 48.0 | 49.7 LB-FT | 223% 60.0 LB-FT | 269% 50 |

| | | | | | | | | |
|------------------------|--------|-------|-------------------------|---------------------------|-----------------|-------------|---------|-----------|
| SOUND PRESSURE @ 3 FT. | SOUND | POWER | ROTOR WK ² | MAX. LOAD WK ² | SAFE STALL TIME | STARTS/HOUR | APPROX. | MOTOR WGT |
| 47 dBA | 56 dBA | | 0.88 LB-FT ² | 50 LB-FT ² | 20 SEC. | 2 | 135 | LB. |

*** SUPPLEMENTAL INFORMATION ***

| | | | | | | | | |
|-----------------|------------------|------------|-------------------|-------------|--------------------|------------|---------|---------------|
| DE BRACKET TYPE | ODE BRACKET TYPE | MOUNT TYPE | MOTOR ORIENTATION | SEVERE DUTY | HAZARDOUS LOCATION | DRIP COVER | SCREENS | PAINT |
| C-FACE | STANDARD | RIGID | HORIZONTAL | NO | NONE | YES | NONE | BLUE (ENAMEL) |

| | | | | | | | |
|----------|----------|------------|------------|-------------|-------|-------------------------|----------------|
| BEARINGS | GREASE | SHAFT TYPE | SPECIAL DE | SPECIAL ODE | SHAFT | MATERIAL | FRAME MATERIAL |
| DE BALL | ODE BALL | POLYREX EM | T | NONE | NONE | 1045 HOT ROLLED (C-204) | ROLLED STEEL |
| 6307 | 6206 | | | | | | |

| | | | | | | | |
|-------------|------------|-----------|-----------|-------------|---------|-------|---------|
| THERMOSTATS | PROTECTORS | WDG RTD's | BRG RTD's | THERMISTORS | CONTROL | SPACE | HEATERS |
| NONE | NOT | NONE | NONE | NONE | FALSE | | NA |

| | | | | | | |
|--------------|--------------|--------------|--------------|--------------|--------------------|-------|
| R1 (ohms/ph) | R2 (ohms/ph) | X1 (ohms/ph) | X2 (ohms/ph) | Xm (ohms/ph) | VIBRATION (in/sec) | FLOAT |
| 2.4546875 | 1.35625 | 7.0328125 | 7.640625 | 133.1671875 | 0.150 | ODE |

| | | |
|---------------------------------------|--|-----|
| * N O T E s | INVERTER TORQUE: CONSTANT 2:1/VARIABLE 10:1 INV. HP SPEED RANGE: NONE | |
| | ENCODER: NONE NONE NONE | |
| | BRAKE: NONE NONE NONE | |
| | FT-LB: NA VOLTAGE: NONE | |
| | UL: V - LI ME-INS. CONST UL REC | |
| PREPARED BY: _____ DATE: 2/22/2022 | | HZ: |

FORM: 3531 REV. 4 2/27/06

