PRODUCT INFORMATION PACKET



Model No: 213TTGN6501 Catalog No: U062A

Hazardous Duty® Explosion Proof Motor, 7.50 & 5 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V,

3600 & 3000 RPM, 213T Frame, EPFC



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

©2024 Regal Rexnord Corporation, All Rights Reserved. MC017097E





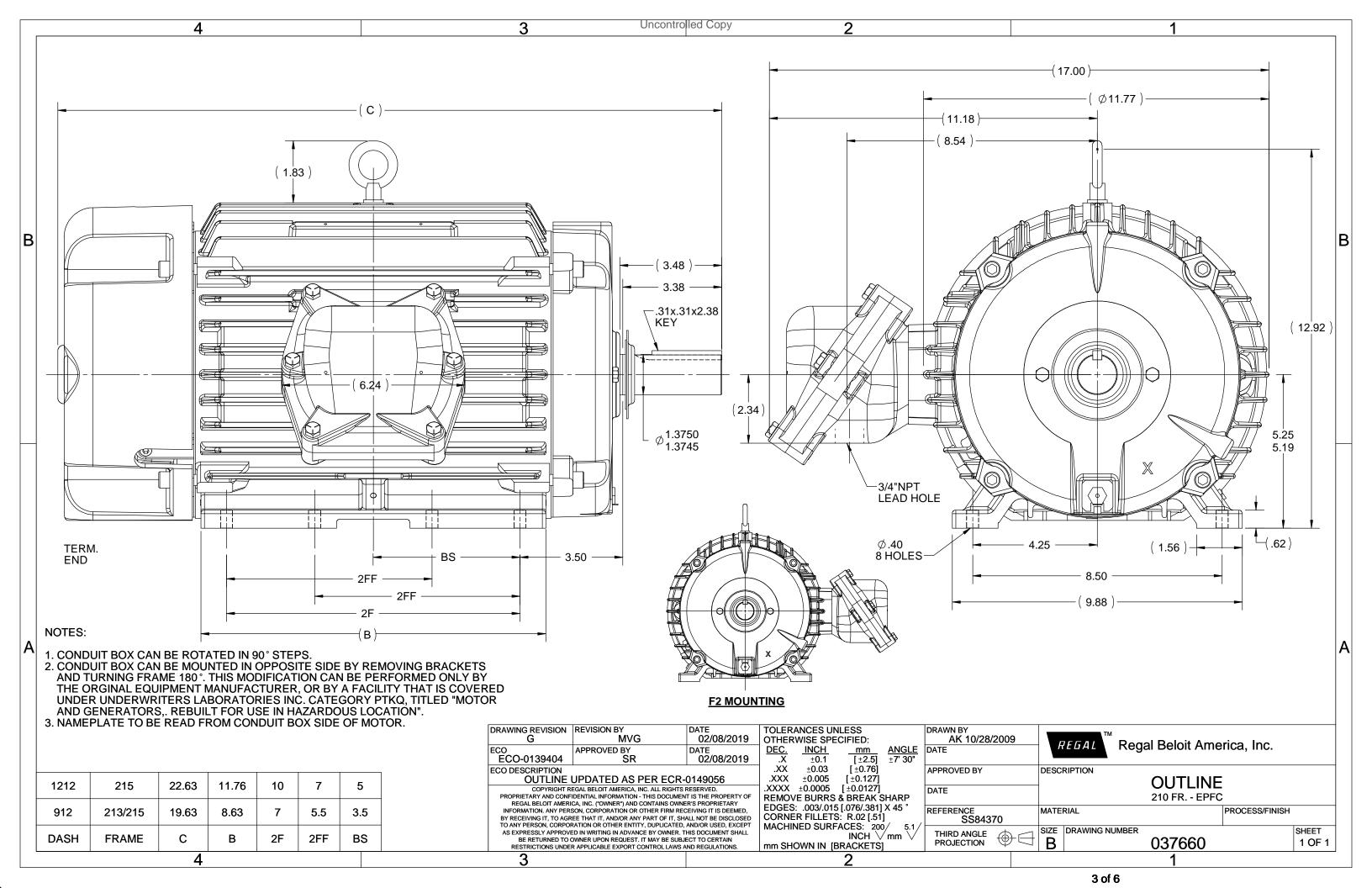
Nameplate Specifications

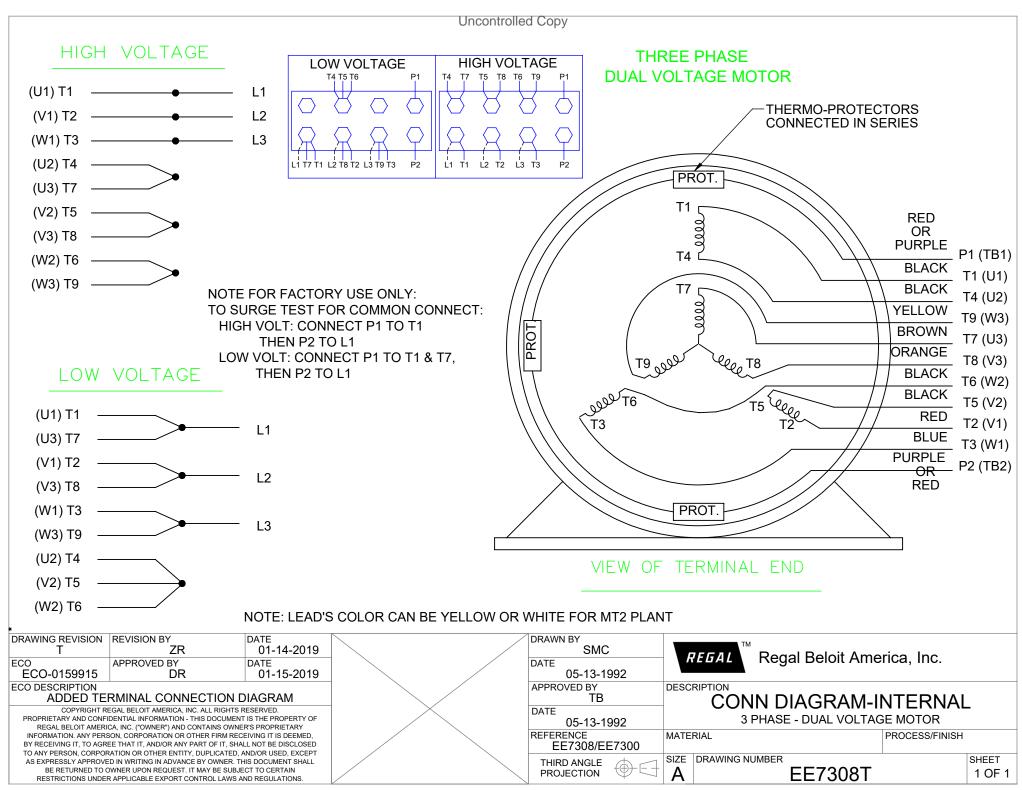
| Phase | 3 | Output HP | 7.50 & 5 Hp |
|------------------------|--|----------------------------|---|
| Output KW | 5.6 & 3.7 kW | Voltage | 230/460 & 190/380 V |
| Speed | 3530 & 2950 rpm | Service Factor | 1.15 & 1.15 |
| Frame | 213T | Enclosure | Explosion Proof Fan cooled |
| Thermal Protection | Thermostat | Efficiency | 90.2 & 89.5 % |
| Ambient Temperature | 40 °C | Frequency | 60 & 50 Hz |
| Current | 19/9.5 & 15/7.5 A | Power Factor | 86 |
| Duty | Continuous | Insulation Class | F |
| Design Code | В | KVA Code | н |
| Drive End Bearing Size | 6307 | Opp Drive End Bearing Size | 6208 |
| UL | UL Listed; also, UL Certified for Canada | CSA | N |
| CE | N | IP Code | 54 |
| Number of Speeds | 1 | Hazardous Location | EXP PROOF CL I GR D CL II GR F&G T3B |

Technical Specifications

| Poles2RotationReversibleResistance Main1.15 OhmsMountingRigid BaseMotor OrientationHorizontalDrive End BearingBallOpp Drive End BearingBallFrame MaterialCast IronShaft TypeTOverall Length19.63 in | trical Type | al Type Squirrel Cage Inverter Rated | Starting Method | Line Or Inverter |
|---|-------------------|--------------------------------------|-----------------------|------------------|
| Motor Orientation Horizontal Drive End Bearing Ball Opp Drive End Bearing Ball Frame Material Cast Iron | s | 2 | Rotation | Reversible |
| Opp Drive End Bearing Ball Frame Material Cast Iron | stance Main | nce Main 1.15 Ohms | Mounting | Rigid Base |
| -11 | or Orientation | Drientation Horizontal | Drive End Bearing | Ball |
| Shaft Type T Overall Length 19.63 in | Drive End Bearing | ive End Bearing Ball | Frame Material | Cast Iron |
| | ft Type | уре Т | Overall Length | 19.63 in |
| Frame Length 9.12 in Shaft Diameter 1.375 in | ne Length | Length 9.12 in | Shaft Diameter | 1.375 in |
| Shaft Extension 3.48 in Assembly/Box Mounting F1 ONLY | ft Extension | xtension 3.48 in | Assembly/Box Mounting | F1 ONLY |
| Outline Drawing 037660-912 Connection Drawing A-EE7308T | ine Drawing | Drawing 037660-912 | Connection Drawing | A-EE7308T |

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:09/07/2024





CERTIFICATION DATA SHEET

WINDING#: Model#: 213TTGN6501 AA K2132100 R14 1 CONN. DIAGRAM: A-EE7308T ASSEMBLY: F1 ONLY

OUTLINE: 037660-912

TYPICAL MOTOR PERFORMANCE DATA

| HP | KW | | SYN | C. RPM | F.L. RPM | FRAME | ENCLOS | SURE | KV/ | A CODE | DESIGN |
|---------|--------|-----|-----|---------|------------|-------|------------|------|-----|--------|-----------|
| 7 1/2&5 | 5.60&3 | .70 | 3 | 3600 | 3530&2950 | 213T | EPF | С | | Н | В |
| | | | | | | | | | | | |
| PH | Hz | VOL | TS | FL AMPS | START TYPE | DUTY | INSL | S | .F | AMB°C | ELEVATION |

| PH | Hz | VOLTS | FL AMPS | START TYPE | DUTY | INSL | S.F | AMB°C | ELEVATION |
|----|-------|--------------|---------------|------------|-----------|------|-----------|-------|-----------|
| 3 | 60/50 | 230/460#190/ | 19/9.5&15/7.5 | LINE OR | CONTINUOU | F3 | 1.15/1.15 | 40 | 3300 |
| | | 380 | | INVERTER | S | | | | |

| FULL LOAD EFF: 90.2&89.5 | 3/4 LOAD EFF: 90.2 | 1/2 LOAD EFF: 88.5 | GTD. EFF | ELEC. TYPE | NO LOAD AMPS |
|-----------------------------|--------------------|--------------------|----------|-------------------|--------------|
| FULL LOAD PF: 86&83 | 3/4 LOAD PF: 82 | 1/2 LOAD PF: 73 | 88.5 | SQ CAGE INV RATED | 6.8 / 3.4 |

| F.L. TORQUE | LOCKED ROTOR AMPS | L.R. TORQUE | B.D. TORQUE | F.L. RISE°C | |
|-------------|-------------------|----------------|--------------|-------------|--|
| 11.2 LB-FT | 119 / 59.5 | 21.5 LB-FT 192 | 35 LB-FT 313 | 38 | |

| SOUND PRESSURE @ 3 FT. | SOUND POWER | ROTOR WK^2 | MAX. WK^2 | SAFE STALL TIME | STARTS /HOUR | APPROX. MOTOR WGT |
|---------------------------|-------------|--------------|------------|-----------------|-----------------|----------------------|
| 72 dBA | 82 dBA | 0.45 LB-FT^2 | 12 LB-FT^2 | 15 SEC. | 2 | 150 LBS. |

*** SUPPLEMENTAL INFORMATION ***

| DE BRACKET TYPE | ODE BRACKET TYPE | MOUNT TYPE | ORIENTATION | SEVERE DUTY | HAZARDOUS LOCATION | DRIP COVER | SCREENS | PAINT |
|--------------------|---------------------|---------------|-------------|----------------|-----------------------|---------------|---------|--------------|
| STANDARD | STANDARD | RIGID | HORIZONTAL | TRUE | EXP PROOF CL | FALSE | NONE | BLUE (EPOXY) |
| | | | | | I GR D CL II GR | | | |
| | | | | | F&G T3B | | | |

| BEAF | RINGS | GREASE | SHAFT TYPE | SPECIAL DE | SPECIAL ODE | SHAFT | FRAME |
|------|-------|------------|------------|------------|-------------|----------------|-----------|
| DE | OPE | | | | | MATERIAL | MATERIAL |
| BALL | BALL | POLYREX EM | Т | NONE | NONE | 1045 HOT | CAST IRON |
| 6307 | 6208 | | | | | ROLLED (C-204) | |

| THERMO-PROTECTORS | | | | THERMISTORS | CONTROL | SPACE /n HEATERS | |
|-------------------|--------------|------------|----------|-------------|---------|------------------|------------|
| | THERMOSTATS | PROTECTORS | WDG RTDs | BRG RTDs | | | |
| | TSTATS (N/C) | NOT | NONE | NONE | NONE | FALSE | NONE VOLTS |

If Inverter equals NONE, contact factory for further information

INVERTER TORQUE: CONSTANT 10:1 INV. HP SPEED RANGE: NONE

ENCODER: NONE NONE NONE NONE NONE PPR

BRAKE: NONE NONE NONE P/N NONE NONE NONE

- FT-LB NONE V NONE Hz

Ν 0 Т Ε S

> DATE: 06/22/2017 06:02:20 AM FORM 3531 REV.3 02/07/99

^{**} Subject to change without notice.

