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# Customer information packet

## FSWDM3714T-E

10HP, 1770RPM, 3PH, 60HZ, 215T, 3756M, TEFC, F1

Class - None

Division - Not Applicable

## Specifications

|                                |                                                                |
|--------------------------------|----------------------------------------------------------------|
| Enclosure                      | TEFC                                                           |
| Frame                          | 215T                                                           |
| Frame Material                 | Stainless Steel                                                |
| Frequency                      | 60.00 Hz                                                       |
| Haz Area Class and Group       | None                                                           |
| Haz Area Division              | Not Applicable                                                 |
| Motor Letter Type              | Three Phase                                                    |
| Output @ Frequency             | 10.000 HP @ 60 HZ                                              |
| Phase                          | 3                                                              |
| Synchronous Speed @ Frequency  | 1800 RPM @ 60 HZ                                               |
| Voltage @ Frequency            | 230.0 V @ 60 HZ<br>460.0 V @ 60 HZ                             |
| Agency Approvals               | CSA<br>CSA EEV<br>NEMA PREMIUM<br>UR                           |
| Ambient Temperature            | 40 °C                                                          |
| Auxiliary Box                  | NO AUXILLARY BOX                                               |
| Auxiliary Box Lead Termination | None                                                           |
| Base Indicator                 | Rigid                                                          |
| Bearing Grease Type            | Polyrex EM (-20F +300F)                                        |
| Blower                         | None                                                           |
| Current @ Voltage              | 26.700 A @ 208.0 V<br>25.000 A @ 230.0 V<br>12.500 A @ 460.0 V |
| Design Code                    | B                                                              |
| Drip Cover                     | No Drip Cover                                                  |
| Duty Rating                    | CONT                                                           |
| Efficiency @ 100% Load         | 92.4 %                                                         |
| Electrically Isolated Bearing  | Not Electrically Isolated                                      |
| Feedback Device                | NO FEEDBACK                                                    |
| Front Face Code                | Standard                                                       |

## Part detail

|              |            |
|--------------|------------|
| Revision     | L          |
| Type         | AC         |
| Mech. spec.  | 37Q321     |
| Base         |            |
| Status       | PRD/A      |
| Elec. spec.  | 37WGS251   |
| Layout       | 37LYQ321   |
| Eff. date    | 09-22-2023 |
| CD Diagram   | CD0180     |
| Poles        | 04         |
| Leads        | 9#14       |
| Proprietary  | False      |
| Created date | 01-09-2018 |

|                               |                        |
|-------------------------------|------------------------|
| Front Shaft Indicator         | None                   |
| Heater Indicator              | No Heater              |
| High Voltage Full Load Amps   | 12.5 a                 |
| Insulation Class              | H                      |
| Inverter Code                 | Inverter Ready         |
| KVA Code                      | K                      |
| Lifting Lugs                  | Standard Lifting Lugs  |
| Locked Bearing Indicator      | Locked Bearing         |
| Motor Lead Exit               | Ko Box                 |
| Motor Lead Quantity/Wire Size | 9 @ 14 AWG             |
| Motor Lead Termination        | Flying Leads           |
| Motor Standards               | NEMA                   |
| Motor Type                    | 3756M                  |
| Mounting Arrangement          | F1                     |
| Number of Poles               | 4                      |
| Overall Length                | 21.37 IN               |
| Power Factor                  | 81                     |
| Product Family                | WD All SS Encapsulated |
| Pulley End Bearing Type       | Sealed Bearing         |
| Pulley Face Code              | Standard               |
| Pulley Shaft Indicator        | Standard               |
| Rodent Screen                 | None                   |
| RoHS Status                   | ROHS COMPLIANT         |
| Service Factor                | 1.15                   |
| Shaft Diameter                | 1.375 IN               |
| Shaft Extension Location      | Pulley End             |
| Shaft Ground Indicator        | No Shaft Grounding     |
| Shaft Rotation                | Reversible             |
| Shaft Slinger Indicator       | No Slinger             |
| Speed                         | 1770 rpm               |
| Speed Code                    | Single Speed           |
| Starting Method               | Direct on line         |
| Thermal Device - Bearing      | None                   |
| Thermal Device - Winding      | None                   |

| Vibration Sensor Indicator | No Vibration Sensor |
|----------------------------|---------------------|
| Winding Thermal 1          | None                |
| Winding Thermal 2          | None                |

### Nameplate

[illegible]

**AC Induction Motor Performance Data**

Record # 62567

Typical performance - not guaranteed values

| Winding: 37WGS251-R016 |    |         | Type: 3756M                              |                     | Enclosure: TEFC           |            |             |
|------------------------|----|---------|------------------------------------------|---------------------|---------------------------|------------|-------------|
| Nameplate Data         |    |         | 460 V, 60 Hz:<br>High Voltage Connection |                     |                           |            |             |
| Rated Output (HP)      |    | 10      | Full Load Torque                         |                     | 29.9 LB-FT                |            |             |
| Volts                  |    | 230/460 | Start Configuration                      |                     | direct on line            |            |             |
| Full Load Amps         |    | 25/12.5 | Breakdown Torque                         |                     | 102 LB-FT                 |            |             |
| R.P.M.                 |    | 1770    | Pull-up Torque                           |                     | 53.6 LB-FT                |            |             |
| Hz                     | 60 | Phase   | 3                                        | Locked-rotor Torque |                           | 74.2 LB-FT |             |
| NEMA Design Code       |    | B       | KVA Code                                 | K                   | Starting Current          |            | 105 A       |
| Service Factor (S.F.)  |    | 1.15    | No-load Current                          |                     | 5.44 A                    |            |             |
| NEMA Nom. Eff.         |    | 92.4    | Power Factor                             | 81                  | Line-line Res. @ 25°C     |            | 0.799 Ω     |
| Rating - Duty          |    | 40C     | AMB-CONT                                 |                     | Temp. Rise @ Rated Load   |            | 76°C        |
| S.F. Amps              |    |         |                                          |                     | Temp. Rise @ S.F. Load    |            | 93°C        |
|                        |    |         |                                          |                     | Locked-rotor Power Factor |            | 31.7        |
|                        |    |         |                                          |                     | Rotor inertia             |            | 1.38 LB-FT2 |

**Load Characteristics 460 V, 60 Hz, 10 HP**

| % of Rated Load | 25   | 50   | 75   | 100  | 125  | 150  | S.F. |
|-----------------|------|------|------|------|------|------|------|
| Power Factor    | 43   | 65   | 76   | 81   | 83   | 84   | 82   |
| Efficiency      | 88   | 92.6 | 93   | 92.9 | 92.2 | 91.5 | 92.5 |
| Speed           | 1793 | 1786 | 1778 | 1770 | 1762 | 1752 | 1765 |
| Line amperes    | 6.18 | 7.79 | 10   | 12.5 | 15.3 | 18.3 | 14.2 |

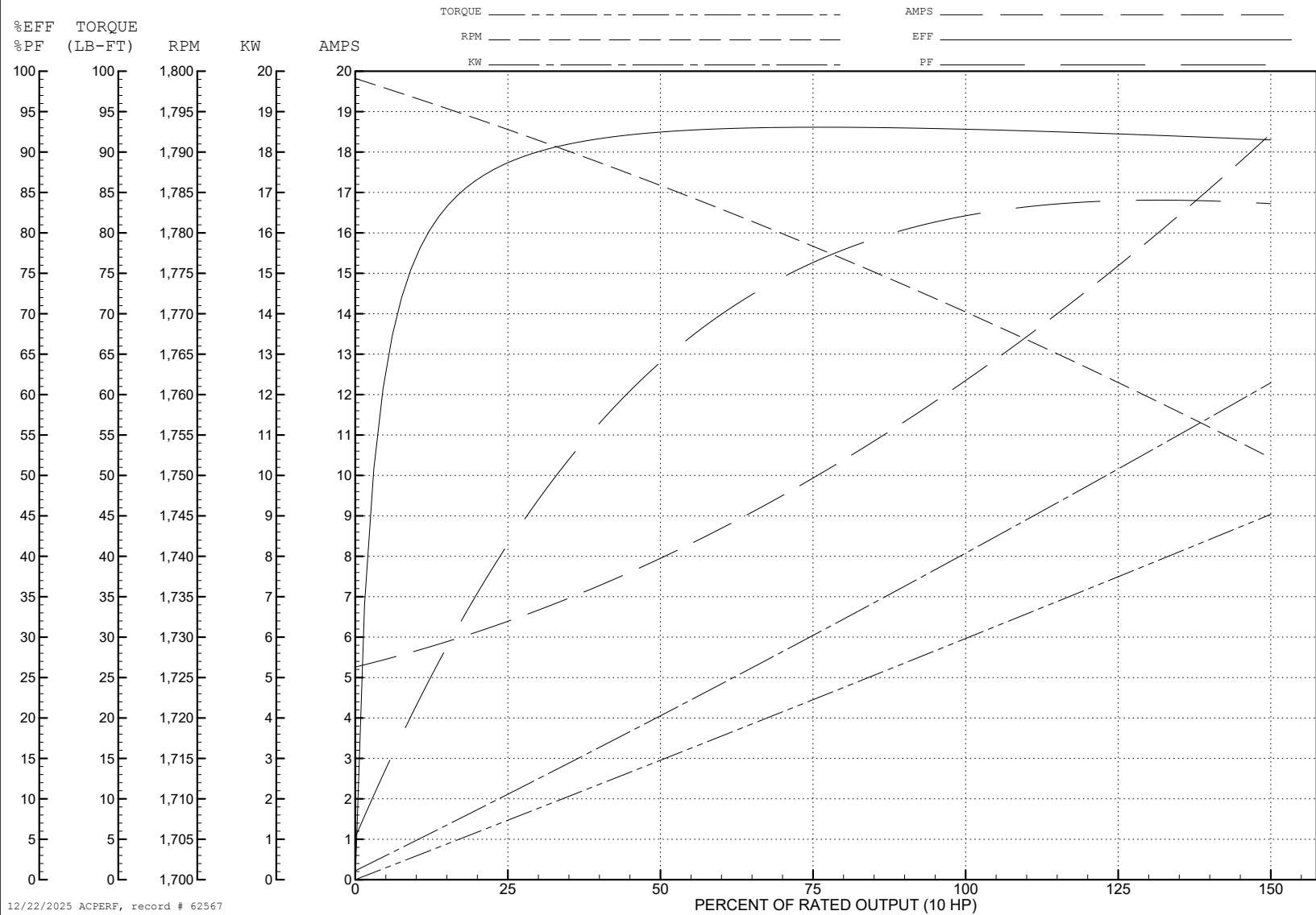
ABB Motors and Mechanical Inc.

WINDING # 37WGS251

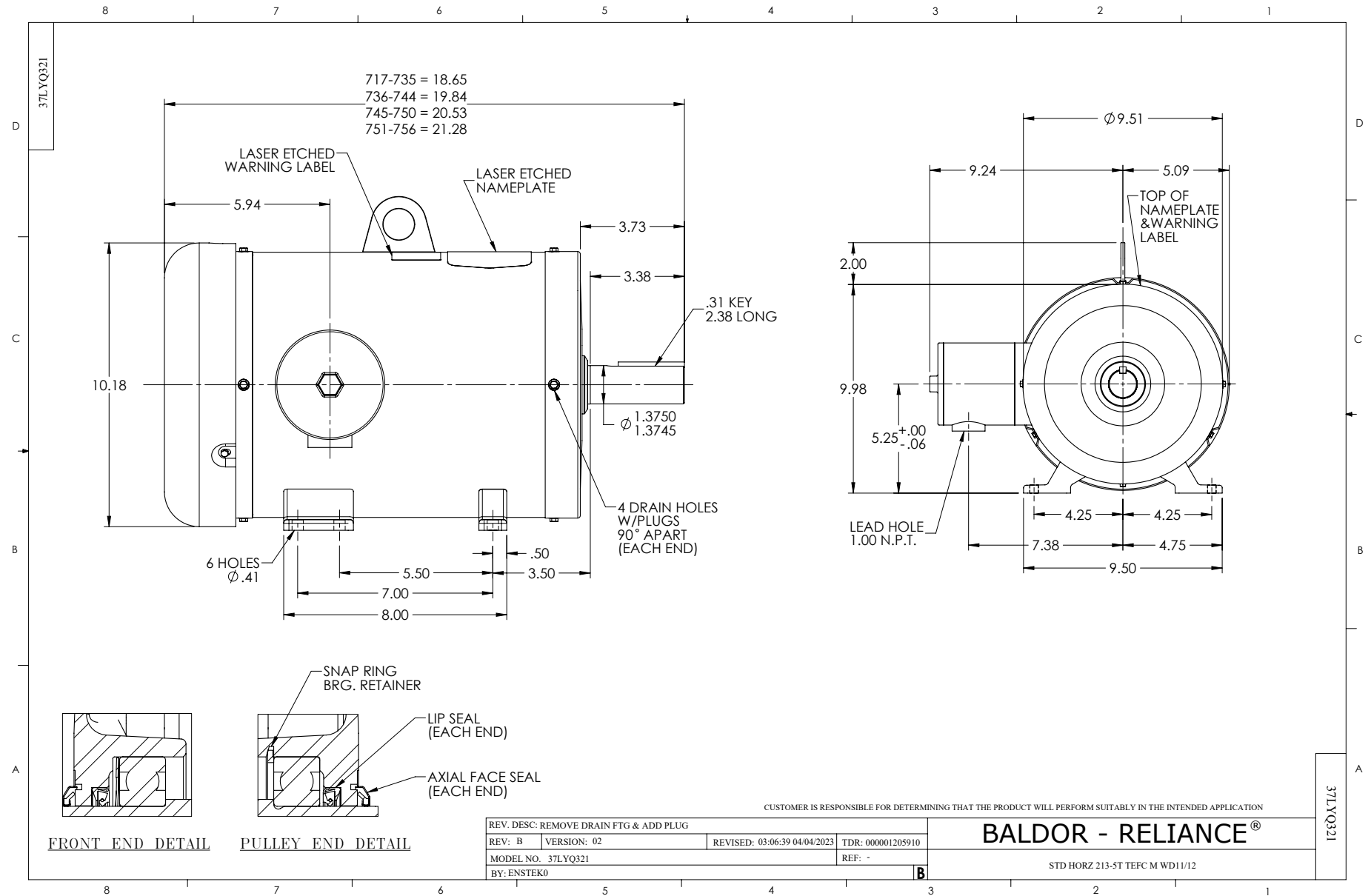
Typical performance - not guaranteed values.

10 HP 3 PH 60 HZ 1770 RPM 460 V 3756M

TORQUES (LB-FT): PO=102 PU=53.6 LR=74.2 LRA=105



12/22/2025 ACPERF, record # 62567



CD0180

LOW VOLTAGE  
(2D)HIGH VOLTAGE  
(1D)

## NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0180

REV. DESC: ADD CLASS CONN00000007

REV. LTR: D

VERSION: 01

TDR: 000001099922

FILE: \AAA\00005\148

REVISED: 10: 25: 29 02/19/2019

BY: ENBRIRO

MTL: —

**BALDOR - RELIANCE®**

3PH, DV, 9 LEADS, DELTA CONNECTION

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