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# Customer information packet

## SPJMM3312T-G

10HP, 3500RPM, 3PH, 60HZ, 213JM, 3736M, OPSB, F

Class - None

Division - Not Applicable

## Specifications

|                                |                                                                |
|--------------------------------|----------------------------------------------------------------|
| Enclosure                      | OPSB                                                           |
| Frame                          | 213JM                                                          |
| Frame Material                 | 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  | 3600 RPM @ 60 HZ                                               |
| Voltage @ Frequency            | 230.0 V @ 60 HZ<br>460.0 V @ 60 HZ                             |
| Agency Approvals               | WEEE                                                           |
| 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              | 11.500 A @ 460.0 V<br>23.000 A @ 230.0 V<br>24.000 A @ 208.0 V |
| Design Code                    | A                                                              |
| Drip Cover                     | No Drip Cover                                                  |
| Duty Rating                    | CONT                                                           |
| Efficiency @ 100% Load         | 91.7 %                                                         |
| Electrically Isolated Bearing  | Not Electrically Isolated                                      |
| Feedback Device                | NO FEEDBACK                                                    |
| Front Shaft Indicator          | None                                                           |
| Heater Indicator               | No Heater                                                      |
| High Voltage Full Load Amps    | 11.5 a                                                         |
| Insulation Class               | H                                                              |

## Part detail

|              |            |
|--------------|------------|
| Revision     | A          |
| Type         | AC         |
| Mech. spec.  | 37EE004    |
| Base         |            |
| Status       | PRD/A      |
| Elec. spec.  | 37WGT238   |
| Layout       | 37LYEE004  |
| Eff. date    | 11-19-2025 |
| CD Diagram   | CD0005     |
| Poles        | 02         |
| Leads        | 9#14       |
| Proprietary  | False      |
| Created date | 08-14-2025 |

|                               |                       |
|-------------------------------|-----------------------|
| Inverter Code                 | Inverter Duty         |
| KVA Code                      | J                     |
| Lifting Lugs                  | Standard Lifting Lugs |
| Locked Bearing Indicator      | Locked Bearing        |
| Max Speed                     | 5400 rpm              |
| Motor Lead Quantity/Wire Size | 9 @ 14 AWG            |
| Motor Lead Termination        | Flying Leads          |
| Motor Standards               | NEMA                  |
| Motor Type                    | 3736M                 |
| Mounting Arrangement          | F1                    |
| Number of Poles               | 2                     |
| Overall Length                | 19.32 IN              |
| Power Factor                  | 90                    |
| Product Family                | General Purpose       |
| Pulley End Bearing Type       | Ball                  |
| Pulley Face Code              | C-Face                |
| Pulley Shaft Indicator        | Tapped & Key          |
| Rodent Screen                 | Included              |
| RoHS Status                   | ROHS NON-COMPLIANT    |
| Service Factor                | 1.25                  |
| Shaft Diameter                | 0.875 IN              |
| Shaft Ground Indicator        | Shaft Grounding       |
| Shaft Rotation                | Reversible            |
| Shaft Slinger Indicator       | No Slinger            |
| Speed                         | 3500 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                  |



**AC Induction Motor Performance Data**

Record # 112294

Typical performance - not guaranteed values

| Winding: 37WGT238-R017 |    |         | Type: 3736M                              |                     | Enclosure: OPSB         |                       |      |         |
|------------------------|----|---------|------------------------------------------|---------------------|-------------------------|-----------------------|------|---------|
| Nameplate Data         |    |         | 460 V, 60 Hz:<br>High Voltage Connection |                     |                         |                       |      |         |
| Rated Output (HP)      |    | 10      | Full Load Torque                         |                     | 15 LB-FT                |                       |      |         |
| Volts                  |    | 230/460 | Start Configuration                      |                     | direct on line          |                       |      |         |
| Full Load Amps         |    | 23/11.5 | Breakdown Torque                         |                     | 82 LB-FT                |                       |      |         |
| R.P.M.                 |    | 3500    | Pull-up Torque                           |                     | 28 LB-FT                |                       |      |         |
| Hz                     | 60 | Phase   | 3                                        | Locked-rotor Torque |                         | 38 LB-FT              |      |         |
| NEMA Design Code       |    | A       | KVA Code                                 | J                   | Starting Current        |                       | 98 A |         |
| Service Factor (S.F.)  |    | 1.25    | No-load Current                          |                     | 3.4 A                   |                       |      |         |
| NEMA Nom. Eff.         |    | 91.7    | Power Factor                             |                     | 90                      | Line-line Res. @ 25°C |      | 0.753 Ω |
| Rating - Duty          |    | 40C     | AMB-CONT                                 |                     | Temp. Rise @ Rated Load |                       | 23°C |         |
| S.F. Amps              |    | 28/14   | Temp. Rise @ S.F. Load                   |                     | 31°C                    |                       |      |         |
|                        |    |         | Locked-rotor Power Factor                |                     | 32.3                    |                       |      |         |
|                        |    |         | Rotor inertia                            |                     | 0.329 lb-ft²            |                       |      |         |

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

| % of Rated Load | 25   | 50   | 75   | 100  | 125  | 150  | S.F. |
|-----------------|------|------|------|------|------|------|------|
| Power Factor    | 67   | 86   | 89   | 90   | 88   | 87   | 88   |
| Efficiency      | 85.6 | 90.9 | 92   | 91.8 | 91.1 | 90.1 | 91.1 |
| Speed           | 3579 | 3557 | 3532 | 3507 | 3478 | 3448 | 3478 |
| Line amperes    | 4.2  | 6.1  | 8.7  | 11.3 | 14.5 | 17.6 | 14.5 |

ABB Motors and Mechanical Inc.

WINDING # 37WGT238

Typical performance - not guaranteed values.

10 HP 3 PH 60 HZ 3500 RPM 460 V 3736M

TORQUES (LB-FT) : PO=82 PU=28 LR=38 LRA=98





