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# Customer information packet

## CSPM3312T

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

Class - None

Division - Not Applicable

## Specifications

|                                |                                                                |
|--------------------------------|----------------------------------------------------------------|
| Enclosure                      | ODP                                                            |
| Frame                          | 213TC                                                          |
| 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            | 460.0 V @ 60 HZ<br>230.0 V @ 60 HZ                             |
| Agency Approvals               | CURUSEEV<br>NEMA_PREMIUM<br>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              | 23.000 A @ 230.0 V<br>24.000 A @ 208.0 V<br>11.500 A @ 460.0 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                                                      |

## Part detail

|              |            |
|--------------|------------|
| Revision     | C          |
| Type         | AC         |
| Mech. spec.  | 37T653     |
| Base         |            |
| Status       | PRD/A      |
| Elec. spec.  | 37WGT238   |
| Layout       | 37LYT653   |
| Eff. date    | 11-19-2025 |
| CD Diagram   | CD0005     |
| Poles        | 02         |
| Leads        | 9#14       |
| Proprietary  | False      |
| Created date | 11-29-2023 |

|                               |                       |
|-------------------------------|-----------------------|
| High Voltage Full Load Amps   | 11.5 a                |
| Insulation Class              | F                     |
| 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                | 18.19 IN              |
| Power Factor                  | 90                    |
| Product Family                | General Purpose       |
| Pulley End Bearing Type       | Ball                  |
| Pulley Face Code              | C-Face                |
| Pulley Shaft Indicator        | Standard              |
| Rodent Screen                 | None                  |
| RoHS Status                   | ROHS COMPLIANT        |
| Service Factor                | 1.15                  |
| Shaft Diameter                | 1.375 IN              |
| Shaft Ground Indicator        | No 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                  |

## Nameplate

| NP4423A01A01L |               |         |       |      |    |               |      |       |     |       |      |  |  |
|---------------|---------------|---------|-------|------|----|---------------|------|-------|-----|-------|------|--|--|
| CAT #         | CSPM3312T     |         |       |      |    | WGT           | 130  | LBS   |     |       |      |  |  |
| SPEC          | 37T653T238    |         |       |      |    | ENCL          | OPSB |       |     |       |      |  |  |
| SER #         |               |         |       |      |    | CC            | 010A | IP    | 23  |       |      |  |  |
| HP            | 10            | MAG CUR |       |      |    | 6.8/3.4       |      |       |     |       |      |  |  |
| VOLTS         | 230/460       |         |       |      |    | NEMA NOM. EFF |      |       |     |       | 91.7 |  |  |
| AMPS          | 23/11.5       |         |       |      |    |               | PF   | 90    |     |       |      |  |  |
| RATING        | 40C AMB-CONT  |         |       |      |    |               |      |       |     |       |      |  |  |
| RPM           | 3500          |         |       |      |    | MAX RPM       | 5400 |       |     |       |      |  |  |
| FRAME         | 213TC         | HZ      | 60    | CODE |    |               | J    | CLASS | F   |       |      |  |  |
| SER.F.        | 1.15          | SF AMP  | 26/13 |      |    |               | PH   | 3     | DES | A     |      |  |  |
| DE            | 6307          |         | ODE   | 6206 |    |               |      |       |     |       |      |  |  |
| LUBRICATION   | POLYREX EM    |         |       |      |    |               |      |       |     |       |      |  |  |
| ID LOGO       | INVERTER TYPE |         |       | VPWM |    | CHP           | 60   | TO    | 90  | 1.5:1 |      |  |  |
| ID LOGO       | WK2           | 0.329   | CT    | 6    | TO | 60            | 10:1 |       |     |       |      |  |  |
| ID LOGO       | SL HZ         | 1.7     | VT    | 3    | TO | 60            | 20:1 |       |     |       |      |  |  |
|               |               |         |       |      |    |               |      |       |     |       |      |  |  |
|               |               |         |       |      |    |               |      |       |     |       |      |  |  |
|               |               |         |       |      |    |               |      |       |     |       |      |  |  |
|               |               |         |       |      |    |               |      |       |     |       |      |  |  |
|               |               |         |       |      |    |               |      |       |     |       |      |  |  |
|               |               |         |       |      |    |               | QR   |       |     |       |      |  |  |
| YR            |               |         |       |      |    |               |      |       |     |       |      |  |  |

**AC Induction Motor Performance Data**

Record # 101129

Typical performance - not guaranteed values

| Winding: 37WGT238-R015 |  |         |  | 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                       |  |
| NEMA Design Code       |  | A       |  | KVA Code                                 |  | J                       |  |
| Service Factor (S.F.)  |  | 1.15    |  | Locked-rotor Torque                      |  | 38 LB-FT                |  |
| NEMA Nom. Eff.         |  | 91.7    |  | Power Factor                             |  | 90                      |  |
| Rating - Duty          |  | 40C     |  | AMB-CONT                                 |  | Temp. Rise @ Rated Load |  |
| S.F. Amps              |  | 26/13   |  | Temp. Rise @ S.F. Load                   |  | 29°C                    |  |
|                        |  |         |  | Locked-rotor Power Factor                |  | 32.8                    |  |
|                        |  |         |  | 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   | 89   |
| Efficiency      | 85.6 | 90.9 | 92   | 91.8 | 91.1 | 90.1 | 91.4 |
| Speed           | 3579 | 3557 | 3532 | 3507 | 3478 | 3448 | 3490 |
| Line amperes    | 4.2  | 6.1  | 8.7  | 11.3 | 14.5 | 17.6 | 13.2 |

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





