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# Customer information packet

## AOM3617T

1HP, 860RPM, 3PH, 60HZ, 182T, 3622M, TEAO, F1, N

Class - None

Division - Not Applicable

## Specifications

|                                |                                                             |
|--------------------------------|-------------------------------------------------------------|
| Enclosure                      | TEAO                                                        |
| Frame                          | 182T                                                        |
| 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             | 1.000 HP @ 60 HZ                                            |
| Phase                          | 3                                                           |
| Synchronous Speed @ Frequency  | 900 RPM @ 60 HZ                                             |
| Voltage @ Frequency            | 460.0 V @ 60 HZ<br>230.0 V @ 60 HZ<br>208.0 V @ 60 HZ       |
| Agency Approvals               | CSA<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              | 4.400 A @ 230.0 V<br>4.200 A @ 208.0 V<br>2.200 A @ 460.0 V |
| Design Code                    | B                                                           |
| Drip Cover                     | No Drip Cover                                               |
| Duty Rating                    | CONT                                                        |
| Efficiency @ 100% Load         | 74.0 %                                                      |
| Electrically Isolated Bearing  | Not Electrically Isolated                                   |
| Feedback Device                | NO FEEDBACK                                                 |
| Front Face Code                | Standard                                                    |
| Front Shaft Indicator          | None                                                        |

## Part detail

|              |                 |
|--------------|-----------------|
| Revision     | J               |
| Type         | AC              |
| Mech. spec.  | 36G256          |
| Base         |                 |
| Status       | PRD/A           |
| Elec. spec.  | 36WGT755        |
| Layout       | 36LYG256        |
| Eff. date    | 12-30-2024      |
| CD Diagram   | CD0005          |
| Poles        | 08              |
| Leads        | 9#16 36" LONG Y |
| Proprietary  | False           |
| Created date | 04-02-2013      |

|                               |                     |
|-------------------------------|---------------------|
| Heater Indicator              | No Heater           |
| High Voltage Full Load Amps   | 2.2 a               |
| Insulation Class              | F                   |
| Inverter Code                 | Not Inverter        |
| KVA Code                      | J                   |
| Lifting Lugs                  | No Lifting Lugs     |
| Locked Bearing Indicator      | Locked Bearing      |
| Motor Lead Exit               | Ko Box              |
| Motor Lead Quantity/Wire Size | 9 @ 16 AWG          |
| Motor Lead Termination        | Flying Leads        |
| Motor Standards               | NEMA                |
| Motor Type                    | 3622M               |
| Mounting Arrangement          | F1                  |
| Number of Poles               | 8                   |
| Overall Length                | 13.62 IN            |
| Power Factor                  | 56                  |
| Product Family                | General Purpose     |
| Pulley End Bearing Type       | Ball                |
| Pulley Face Code              | Standard            |
| Pulley Shaft Indicator        | Standard            |
| Rodent Screen                 | None                |
| RoHS Status                   | ROHS COMPLIANT      |
| Service Factor                | 1.00                |
| Shaft Diameter                | 1.125 IN            |
| Shaft Extension Location      | Pulley End          |
| Shaft Ground Indicator        | No Shaft Grounding  |
| Shaft Rotation                | Reversible          |
| Shaft Slinger Indicator       | No Slinger          |
| Speed                         | 860 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

| NP1256L      |                    |      |     |      |   |       |   |  |  |
|--------------|--------------------|------|-----|------|---|-------|---|--|--|
| CAT.NO.      | AOM3617T           |      |     |      |   |       |   |  |  |
| SPEC.        | 36G256T755H1       |      |     |      |   |       |   |  |  |
| HP           | 1 AIR OVER         |      |     |      |   |       |   |  |  |
| VOLTS        | 208-230/460        |      |     |      |   |       |   |  |  |
| AMP          | 4.2-4.4/2.2        |      |     |      |   |       |   |  |  |
| RPM          | 860                |      |     |      |   |       |   |  |  |
| FRAME        | 182T               |      | HZ  | 60   |   | PH    | 3 |  |  |
| SER.F.       | 1.00               | CODE | J   | DES  | B | CLASS | F |  |  |
| NEMA-NOM-EFF | 74                 | PF   | 56  |      |   |       |   |  |  |
| RATING       | 40C AMB-CONT       |      |     |      |   |       |   |  |  |
| CC           |                    |      |     |      |   |       |   |  |  |
| DE           | 6206               |      | ODE | 6205 |   |       |   |  |  |
| ENCL         | TEAO               | SN   |     |      |   |       |   |  |  |
|              | 825 FPM AT 100 CFM |      |     |      |   |       |   |  |  |

**Accessories**

| Part number   | Description                             | Multiplier |
|---------------|-----------------------------------------|------------|
| 36-3301       | C FACE KIT                              | A8         |
| 36EP1304A62SP | FLANGE MTD ENDPLATE 182-4TD -ENCL (LESS | A8         |

**AC Induction Motor Performance Data**

Record # 61453

Typical performance - not guaranteed values

| Winding: 36WGT755-R010 |    |              | Type: 3622M  |                                          | Enclosure: TEAO       |                |        |
|------------------------|----|--------------|--------------|------------------------------------------|-----------------------|----------------|--------|
| Nameplate Data         |    |              |              | 460 V, 60 Hz:<br>High Voltage Connection |                       |                |        |
| Rated Output (HP)      |    | 1 AIR OVER   |              | Full Load Torque                         |                       | 6.12 LB-FT     |        |
| Volts                  |    | 208-230/460  |              | Start Configuration                      |                       | direct on line |        |
| Full Load Amps         |    | 4.2-4.4/2.2  |              | Breakdown Torque                         |                       | 17.24 LB-FT    |        |
| R.P.M.                 |    | 860          |              | Pull-up Torque                           |                       | 10.78 LB-FT    |        |
| Hz                     | 60 | Phase        | 3            | Locked-rotor Torque                      |                       | 11.95 LB-FT    |        |
| NEMA Design Code       |    | B            | KVA Code     | J                                        | Starting Current      |                | 8.89 A |
| Service Factor (S.F.)  |    | 1            |              | No-load Current                          |                       | 1.65 A         |        |
| NEMA Nom. Eff.         |    | 74           | Power Factor | 56                                       | Line-line Res. @ 25°C |                | 18.8 Ω |
| Rating - Duty          |    | 40C AMB-CONT |              | Temp. Rise @ Rated Load                  |                       | 62°C           |        |
|                        |    |              |              | Locked-rotor Power Factor                |                       | 50.8           |        |
|                        |    |              |              | Rotor inertia                            |                       | 0.206 LB-FT2   |        |

**Load Characteristics 460 V, 60 Hz, 1 HP**

| % of Rated Load | 25   | 50   | 75   | 100  | 125  | 150  |
|-----------------|------|------|------|------|------|------|
| Power Factor    | 25   | 38   | 50   | 59   | 66   | 71   |
| Efficiency      | 55.4 | 68.7 | 72.9 | 73.9 | 73   | 70.5 |
| Speed           | 890  | 879  | 868  | 857  | 840  | 821  |
| Line amperes    | 1.66 | 1.75 | 1.91 | 2.14 | 2.43 | 2.79 |

ABB Motors and Mechanical Inc.

WINDING # 36WGT755

Typical performance - not guaranteed values.

1 HP 3 PH 60 HZ 860 RPM 460 V 3622M

TORQUES (LB-FT): PO=17.24 PU=10.78 LR=11.95 LRA=8.89





