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# Customer information packet

## M1726T

10/4.4HP, 1760/1170RPM, 3PH, 60HZ, 254T

Class - None

Division - Not Applicable

## Specifications

|                                |                                       |
|--------------------------------|---------------------------------------|
| Enclosure                      | TEFC                                  |
| Frame                          | 254T                                  |
| Frame Material                 | Iron                                  |
| Frequency                      | 60.00 Hz                              |
| Haz Area Class and Group       | None                                  |
| Haz Area Division              | Not Applicable                        |
| Motor Letter Type              | Three Phase                           |
| Output @ Frequency             | 4.400 HP @ 60 HZ<br>10.000 HP @ 60 HZ |
| Phase                          | 3                                     |
| Synchronous Speed @ Frequency  | 1200 RPM @ 60 HZ                      |
| Voltage @ Frequency            | 460.0 V @ 60 HZ                       |
| Agency Approvals               | UR<br>CSA                             |
| 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              | 12.500 A @ 460.0 V                    |
| Design Code                    | B                                     |
| Drip Cover                     | No Drip Cover                         |
| Duty Rating                    | CONT                                  |
| Electrically Isolated Bearing  | Not Electrically Isolated             |
| Feedback Device                | NO FEEDBACK                           |
| Front Face Code                | Standard                              |
| Front Shaft Indicator          | None                                  |
| Heater Indicator               | No Heater                             |
| High Voltage Full Load Amps    | 6.7 a                                 |
| Insulation Class               | F                                     |
| Inverter Code                  | Not Inverter                          |

## Part detail

|              |            |
|--------------|------------|
| Revision     | AD         |
| Type         | AC         |
| Mech. spec.  | 07H203     |
| Base         |            |
| Status       | PRD/A      |
| Elec. spec.  | 07WGX115   |
| Layout       | 07LYH203   |
| Eff. date    | 05-06-2024 |
| CD Diagram   | CD0013     |
| Poles        | 04/06      |
| Leads        | 6#14       |
| Proprietary  | False      |
| Created date | 01-01-0001 |

|                               |                       |
|-------------------------------|-----------------------|
| KVA Code                      | H                     |
| Lifting Lugs                  | Standard Lifting Lugs |
| Locked Bearing Indicator      | No Locked Bearing     |
| Motor Lead Exit               | Ko Box                |
| Motor Lead Quantity/Wire Size | 6 @ 14 AWG            |
| Motor Lead Termination        | Flying Leads          |
| Motor Standards               | NEMA                  |
| Motor Type                    | 0750M                 |
| Mounting Arrangement          | F1                    |
| Number of Poles               | 4<br>6                |
| Overall Length                | 21.07 IN              |
| Product Family                | General Purpose       |
| Pulley End Bearing Type       | Ball                  |
| Pulley Face Code              | Standard              |
| Pulley Shaft Indicator        | Standard              |
| Rodent Screen                 | None                  |
| Service Factor                | 1.15                  |
| Shaft Diameter                | 1.625 IN              |
| Shaft Extension Location      | Pulley End            |
| Shaft Ground Indicator        | No Shaft Grounding    |
| Shaft Rotation                | Reversible            |
| Shaft Slinger Indicator       | No Slinger            |
| Speed                         | 1170 rpm<br>1760 rpm  |
| Speed Code                    | 2S-2W-VT              |
| 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.      | M1726T       |      |     |      |   |       |    |   |  |
| SPEC.        | 07H203X115   |      |     |      |   |       |    |   |  |
| HP           | 10/4.4       |      |     |      |   |       |    |   |  |
| VOLTS        | 460          |      |     |      |   |       |    |   |  |
| AMP          | 12.5/6.7     |      |     |      |   |       |    |   |  |
| RPM          | 1760/1170    |      |     |      |   |       |    |   |  |
| FRAME        | 254T         |      | HZ  | 60   |   |       | PH | 3 |  |
| SER.F.       | 1.15         | CODE | H   | DES  | B | CLASS | F  |   |  |
| NEMA-NOM-EFF |              | PF   |     |      |   |       |    |   |  |
| RATING       | 40C AMB-CONT |      |     |      |   |       |    |   |  |
| CC           |              |      |     |      |   |       |    |   |  |
| DE           | 6309         |      | ODE | 6307 |   |       |    |   |  |
| ENCL         | TEFC         | SN   |     |      |   |       |    |   |  |
|              |              |      |     |      |   |       |    |   |  |

**Accessories**

| Part number | Description | Multiplier |
|-------------|-------------|------------|
| 37-1302     | C FACE KIT  | A8         |

**AC Induction Motor Performance Data**

Record # 36487

Typical performance - not guaranteed values

| Winding: 07WGX115-R002 |    |              | Type: 0750M                            |                         | Enclosure: TEFC       |          |        |
|------------------------|----|--------------|----------------------------------------|-------------------------|-----------------------|----------|--------|
| Nameplate Data         |    |              | 460 V, 60 Hz:<br>High Speed Connection |                         |                       |          |        |
| Rated Output (HP)      |    | 10/4.4       | Full Load Torque                       |                         | 30 LB-FT              |          |        |
| Volts                  |    | 460          | Start Configuration                    |                         | direct on line        |          |        |
| Full Load Amps         |    | 12.5/6.7     | Breakdown Torque                       |                         | 88 LB-FT              |          |        |
| R.P.M.                 |    | 1760/1170    | Pull-up Torque                         |                         | 32 LB-FT              |          |        |
| Hz                     | 60 | Phase        | 3                                      | Locked-rotor Torque     |                       | 61 LB-FT |        |
| NEMA Design Code       |    | B            | KVA Code                               | H                       | Starting Current      |          | 85 A   |
| Service Factor (S.F.)  |    | 1.15         |                                        | No-load Current         |                       | 5.1 A    |        |
| NEMA Nom. Eff.         |    | 0            | Power Factor                           | 0                       | Line-line Res. @ 25°C |          | 1.47 Ω |
| Rating - Duty          |    | 40C AMB-CONT |                                        | Temp. Rise @ Rated Load |                       | 85°C     |        |
| S.F. Amps              |    |              |                                        | Temp. Rise @ S.F. Load  |                       | 105°C    |        |

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

| % of Rated Load | 25   | 50   | 75   | 100  | 125  | 150  | S.F. |
|-----------------|------|------|------|------|------|------|------|
| Power Factor    | 51   | 74   | 81   | 87   | 87   | 83   | 87   |
| Efficiency      | 80.2 | 86.4 | 87.4 | 86.7 | 85.2 | 82.6 | 85.8 |
| Speed           | 1789 | 1779 | 1767 | 1756 | 1742 | 1722 | 1748 |
| Line amperes    | 5.8  | 7.4  | 10   | 12.5 | 15.8 | 20.2 | 14.5 |

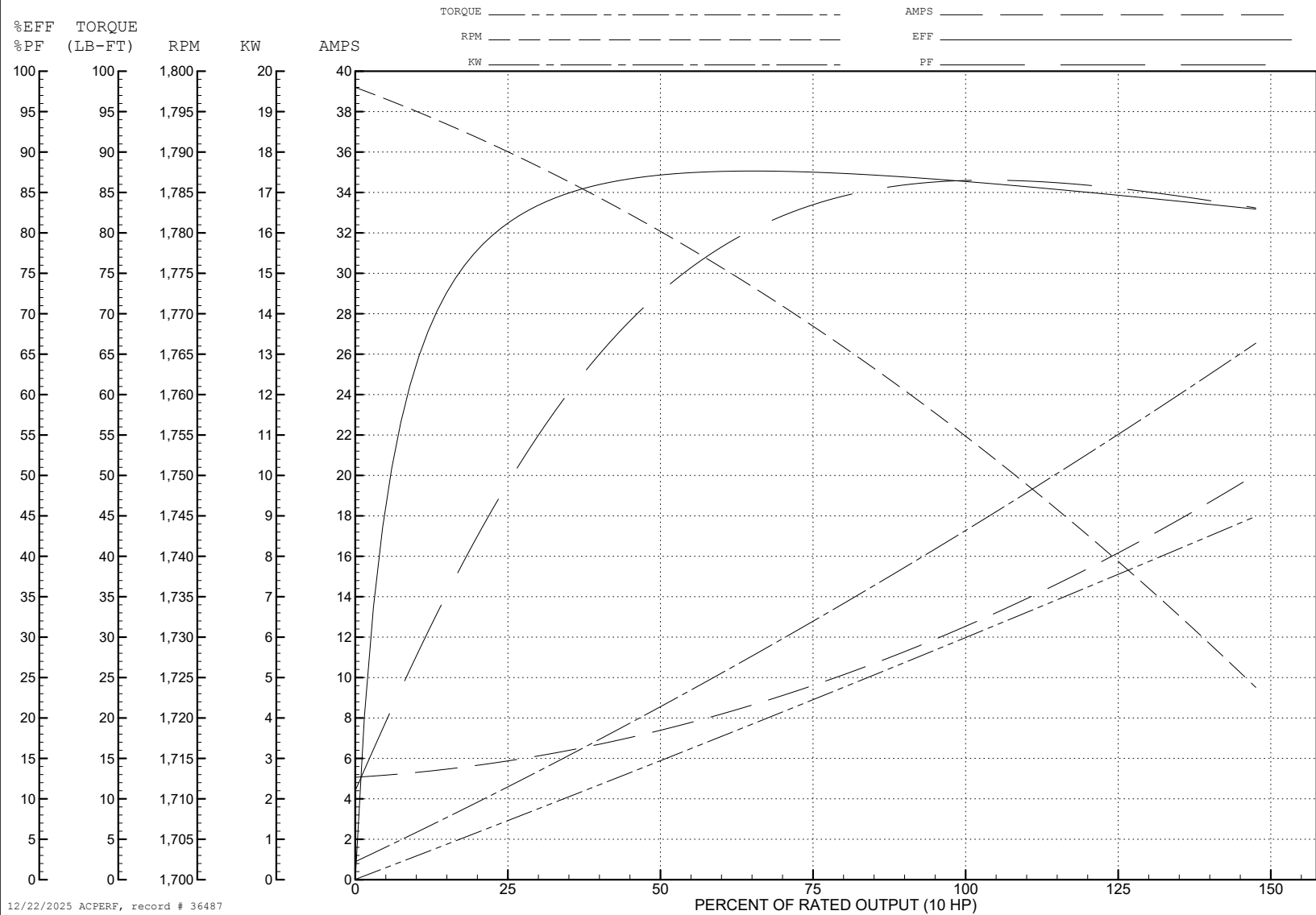
ABB Motors and Mechanical Inc.

WINDING # 07WGX115

Typical performance - not guaranteed values.

10 HP 3 PH 60 HZ 1756 RPM 460 V 0750M

TORQUES (LB-FT) : PO=88 PU=32 LR=61 LRA=85



**AC Induction Motor Performance Data**

Record # 36488

Typical performance - not guaranteed values

| Winding: 07WGX115-R002 |    |              | Type: 0750M                           |                         | Enclosure: TEFC  |                       |      |        |
|------------------------|----|--------------|---------------------------------------|-------------------------|------------------|-----------------------|------|--------|
| Nameplate Data         |    |              | 460 V, 60 Hz:<br>Low Speed Connection |                         |                  |                       |      |        |
| Rated Output (HP)      |    | 10/4.4       | Full Load Torque                      |                         | 19.3 LB-FT       |                       |      |        |
| Volts                  |    | 460          | Start Configuration                   |                         | direct on line   |                       |      |        |
| Full Load Amps         |    | 12.5/6.7     | Breakdown Torque                      |                         | 58 LB-FT         |                       |      |        |
| R.P.M.                 |    | 1760/1170    | Pull-up Torque                        |                         | 39 LB-FT         |                       |      |        |
| Hz                     | 60 | Phase        | 3                                     | Locked-rotor Torque     |                  | 48 LB-FT              |      |        |
| NEMA Design Code       |    | B            | KVA Code                              | H                       | Starting Current |                       | 39 A |        |
| Service Factor (S.F.)  |    | 1.15         |                                       | No-load Current         |                  | 3.9 A                 |      |        |
| NEMA Nom. Eff.         |    | 0            | Power Factor                          |                         | 0                | Line-line Res. @ 25°C |      | 4.26 Ω |
| Rating - Duty          |    | 40C AMB-CONT |                                       | Temp. Rise @ Rated Load |                  | 64°C                  |      |        |
| S.F. Amps              |    |              |                                       | Temp. Rise @ S.F. Load  |                  | 76°C                  |      |        |

**Load Characteristics 460 V, 60 Hz, 4.4 HP**

| % of Rated Load | 25   | 50   | 75   | 100  | 125  | 150  | S.F. |
|-----------------|------|------|------|------|------|------|------|
| Power Factor    | 33   | 54   | 68   | 73   | 76   | 77   | 75   |
| Efficiency      | 74   | 80.9 | 83.1 | 82.9 | 81.4 | 79.6 | 82   |
| Speed           | 1193 | 1187 | 1181 | 1172 | 1163 | 1152 | 1167 |
| Line amperes    | 4.2  | 4.7  | 5.4  | 6.7  | 8.1  | 9.7  | 7.54 |

ABB Motors and Mechanical Inc.

WINDING # 07WGX115

Typical performance - not guaranteed values.

4.4 HP 3 PH 60 HZ 1172 RPM 460 V 0750M

TORQUES (LB-FT): PO=58 PU=39 LR=48 LRA=39

