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# Customer information packet

## M1023T

3/1.3HP, 1725/1140RPM, 3PH, 60HZ, 184T, 3634M

Class - None

Division - Not Applicable

## Specifications

|                                |                                      |
|--------------------------------|--------------------------------------|
| Enclosure                      | OPEN                                 |
| Frame                          | 184T                                 |
| 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             | 3.000 HP @ 60 HZ<br>1.300 HP @ 60 HZ |
| Phase                          | 3                                    |
| Synchronous Speed @ Frequency  | 1800 RPM @ 60 HZ                     |
| Voltage @ Frequency            | 230.0 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              | 8.000 A @ 230.0 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    | 5.1 a                                |
| Insulation Class               | F                                    |
| Inverter Code                  | Not Inverter                         |

## Part detail

|              |            |
|--------------|------------|
| Revision     | AC         |
| Type         | AC         |
| Mech. spec.  | 36B001     |
| Base         |            |
| Status       | PRD/A      |
| Elec. spec.  | 36WGW055   |
| Layout       | 36LYB001   |
| Eff. date    | 10-30-2025 |
| CD Diagram   | CD0013     |
| Poles        | 04/06      |
| Leads        | 6#16       |
| Proprietary  | False      |
| Created date | 01-01-0001 |

|                               |                      |
|-------------------------------|----------------------|
| KVA Code                      | G                    |
| Lifting Lugs                  | No Lifting Lugs      |
| Locked Bearing Indicator      | No Locked Bearing    |
| Motor Lead Exit               | Ko Box               |
| Motor Lead Quantity/Wire Size | 6 @ 16 AWG           |
| Motor Lead Termination        | Flying Leads         |
| Motor Standards               | NEMA                 |
| Motor Type                    | 3634M                |
| Mounting Arrangement          | F1                   |
| Number of Poles               | 4<br>6               |
| Overall Length                | 15.00 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                | 1.125 IN             |
| Shaft Extension Location      | Pulley End           |
| Shaft Ground Indicator        | No Shaft Grounding   |
| Shaft Rotation                | Reversible           |
| Shaft Slinger Indicator       | No Slinger           |
| Speed                         | 1140 rpm<br>1725 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.      | M1023T       |      |     |      |   |       |    |   |  |
| SPEC.        | 36B01W55     |      |     |      |   |       |    |   |  |
| HP           | 3/1.3        |      |     |      |   |       |    |   |  |
| VOLTS        | 230          |      |     |      |   |       |    |   |  |
| AMP          | 8/5.1        |      |     |      |   |       |    |   |  |
| RPM          | 1725/1140    |      |     |      |   |       |    |   |  |
| FRAME        | 184T         |      | HZ  | 60   |   |       | PH | 3 |  |
| SER.F.       | 1.15         | CODE | G   | DES  | B | CLASS | F  |   |  |
| NEMA-NOM-EFF |              | PF   |     |      |   |       |    |   |  |
| RATING       | 40C AMB-CONT |      |     |      |   |       |    |   |  |
| CC           |              |      |     |      |   |       |    |   |  |
| DE           | 6206         |      | ODE | 6205 |   |       |    |   |  |
| ENCL         | OPEN         | SN   |     |      |   |       |    |   |  |
|              |              |      |     |      |   |       |    |   |  |

**Accessories**

| Part number   | Description  | Multiplier |
|---------------|--------------|------------|
| 36-3403       | C FACE KIT   | A8         |
| 36EP1405A09SP | D-FLANGE KIT | A8         |

## AC Induction Motor Performance Data

Record # 61316

Typical performance - not guaranteed values

| Winding: 36WGW055-R005 |    |           | Type: 3634M                            |                     | Enclosure: TEFC  |                           |      |              |
|------------------------|----|-----------|----------------------------------------|---------------------|------------------|---------------------------|------|--------------|
| Nameplate Data         |    |           | 230 V, 60 Hz:<br>High Speed Connection |                     |                  |                           |      |              |
| Rated Output (HP)      |    | 3/1.3     | Full Load Torque                       |                     | 9.2 LB-FT        |                           |      |              |
| Volts                  |    | 230       | Start Configuration                    |                     | direct on line   |                           |      |              |
| Full Load Amps         |    | 8/5.1     | Breakdown Torque                       |                     | 28 LB-FT         |                           |      |              |
| R.P.M.                 |    | 1725/1140 | Pull-up Torque                         |                     | 13 LB-FT         |                           |      |              |
| Hz                     | 60 | Phase     | 3                                      | Locked-rotor Torque |                  | 19 LB-FT                  |      |              |
| NEMA Design Code       |    | B         | KVA Code                               | G                   | Starting Current |                           | 48 A |              |
| Service Factor (S.F.)  |    | 1.15      |                                        | No-load Current     |                  | 3 A                       |      |              |
| NEMA Nom. Eff.         |    | 0         | Power Factor                           |                     | 0                | Line-line Res. @ 25°C     |      | 2.46 Ω       |
| Rating - Duty          |    | 40C       |                                        | AMB-CONT            |                  | Temp. Rise @ Rated Load   |      | 52°C         |
| S.F. Amps              |    |           |                                        |                     |                  | Temp. Rise @ S.F. Load    |      | 66°C         |
|                        |    |           |                                        |                     |                  | Locked-rotor Power Factor |      | 65.1         |
|                        |    |           |                                        |                     |                  | Rotor inertia             |      | 0.319 LB-FT2 |

## Load Characteristics 230 V, 60 Hz, 3 HP

| % of Rated Load | 25   | 50   | 75   | 100  | 125  | 150  | S.F. |
|-----------------|------|------|------|------|------|------|------|
| Power Factor    | 56   | 77   | 87   | 90   | 91   | 89   | 91   |
| Efficiency      | 74.3 | 81.5 | 82.4 | 81.2 | 78.7 | 75.2 | 79.7 |
| Speed           | 1781 | 1763 | 1742 | 1718 | 1690 | 1655 | 1701 |
| Line amperes    | 3.5  | 4.6  | 6    | 7.7  | 9.7  | 12.1 | 8.9  |

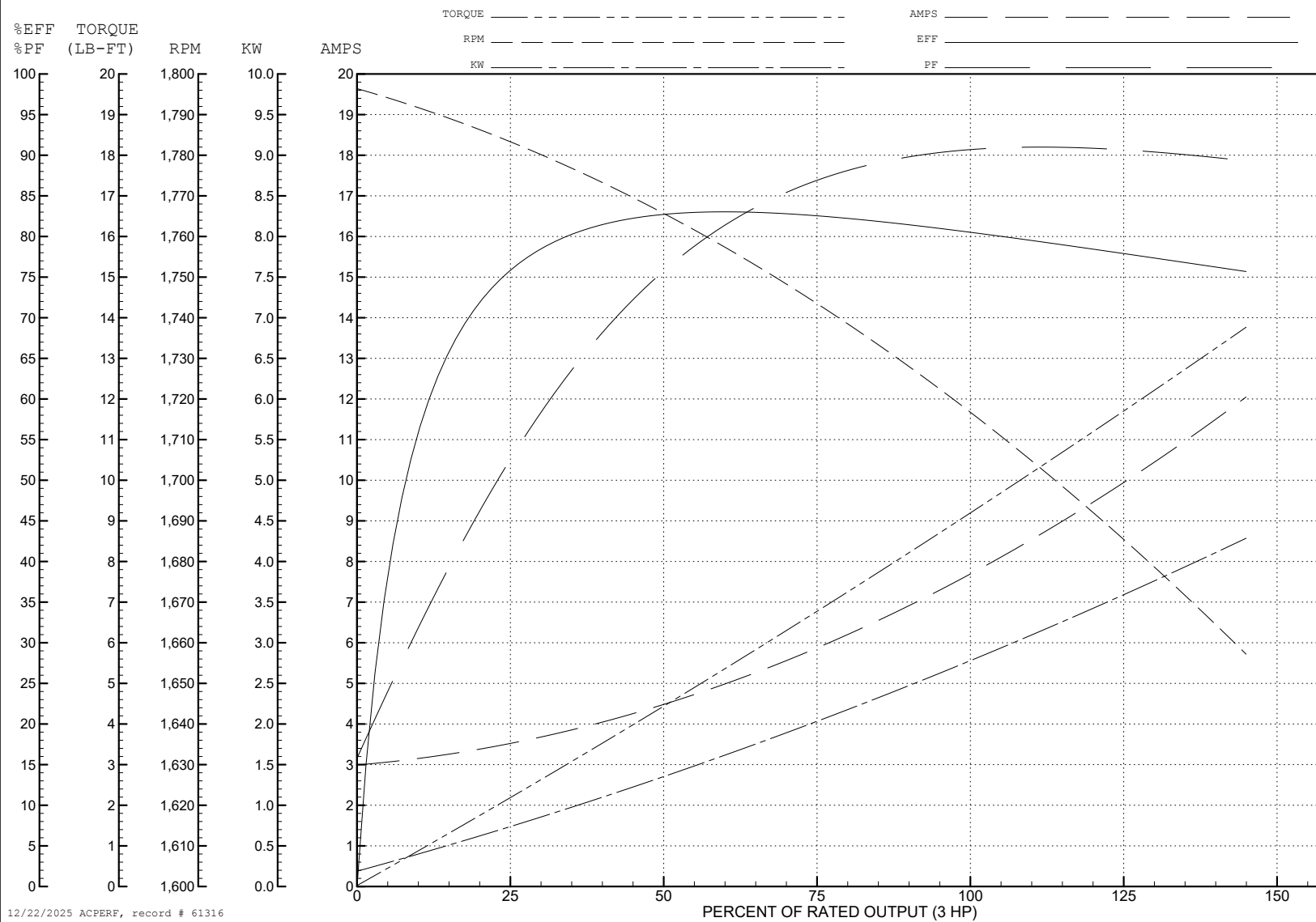
ABB Motors and Mechanical Inc.

WINDING # 36WGW055

Typical performance - not guaranteed values.

3 HP 3 PH 60 HZ 1718 RPM 230 V 3634M

TORQUES (LB-FT): PO=28 PU=13 LR=19 LRA=48



## AC Induction Motor Performance Data

Record # 61319

Typical performance - not guaranteed values

| Winding: 36WGW055-R005 |    |              | Type: 3634M                           |                           | Enclosure: TEFC  |                       |      |       |
|------------------------|----|--------------|---------------------------------------|---------------------------|------------------|-----------------------|------|-------|
| Nameplate Data         |    |              | 230 V, 60 Hz:<br>Low Speed Connection |                           |                  |                       |      |       |
| Rated Output (HP)      |    | 3/1.3        | Full Load Torque                      |                           | 5.9 LB-FT        |                       |      |       |
| Volts                  |    | 230          | Start Configuration                   |                           | direct on line   |                       |      |       |
| Full Load Amps         |    | 8/5.1        | Breakdown Torque                      |                           | 17 LB-FT         |                       |      |       |
| R.P.M.                 |    | 1725/1140    | Pull-up Torque                        |                           | 9.2 LB-FT        |                       |      |       |
| Hz                     | 60 | Phase        | 3                                     | Locked-rotor Torque       |                  | 10.3 LB-FT            |      |       |
| NEMA Design Code       |    | B            | KVA Code                              | G                         | Starting Current |                       | 24 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 |      | 4.4 Ω |
| Rating - Duty          |    | 40C AMB-CONT |                                       | Temp. Rise @ Rated Load   |                  | 41°C                  |      |       |
| S.F. Amps              |    |              |                                       | Temp. Rise @ S.F. Load    |                  | 47°C                  |      |       |
|                        |    |              |                                       | Locked-rotor Power Factor |                  | 65.1                  |      |       |
|                        |    |              |                                       | Rotor inertia             |                  | 0.319 LB-FT2          |      |       |

## Load Characteristics 230 V, 60 Hz, 1.3 HP

| % of Rated Load | 25   | 50   | 75   | 100  | 125  | 150  | S.F. |
|-----------------|------|------|------|------|------|------|------|
| Power Factor    | 30   | 44   | 57   | 65   | 72   | 77   | 69   |
| Efficiency      | 52.4 | 66.9 | 72.8 | 75   | 75.5 | 74.9 | 75.3 |
| Speed           | 1190 | 1181 | 1172 | 1161 | 1150 | 1137 | 1154 |
| Line amperes    | 4    | 4.2  | 4.5  | 5    | 5.6  | 6.21 | 5.36 |

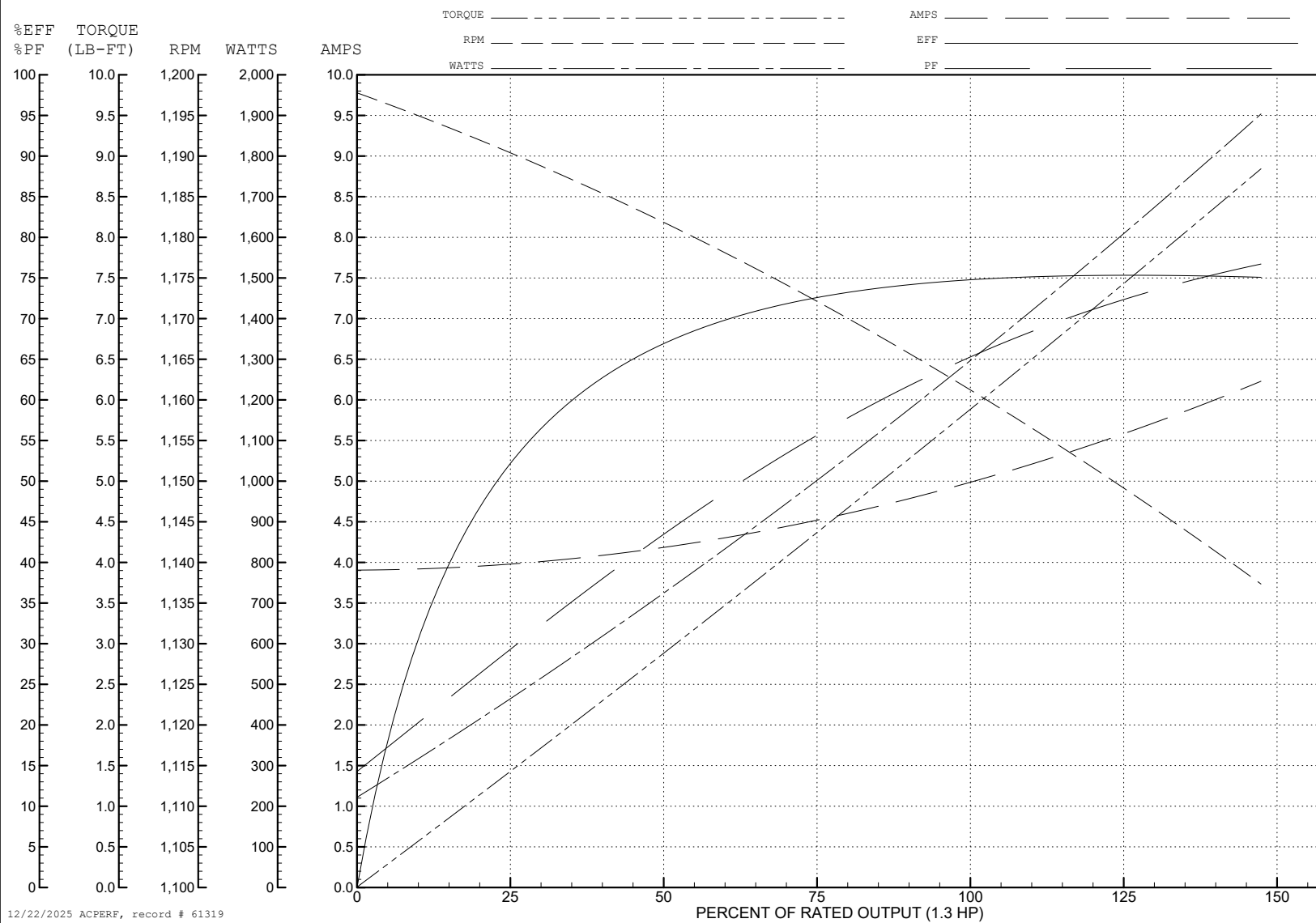
ABB Motors and Mechanical Inc.

WINDING # 36WG055

Typical performance - not guaranteed values.

1.3 HP 3 PH 60 HZ 1161 RPM 230 V 3634M

TORQUES (LB-FT): PO=17 PU=9.2 LR=10.3 LRA=24



12/22/2025 ACPERF, record # 61319

