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# Customer information packet

## FDL3611M

2HP, 1725RPM, 1PH, 60HZ, 184, 3634L, TEFC, F1, N

Class - None

Division - Not Applicable

## Specifications

|                                |                                          |
|--------------------------------|------------------------------------------|
| Enclosure                      | TEFC                                     |
| Frame                          | 184                                      |
| Frame Material                 | Steel                                    |
| Frequency                      | 60.00 Hz                                 |
| Haz Area Class and Group       | None                                     |
| Haz Area Division              | Not Applicable                           |
| Motor Letter Type              | Cap Start, Induction Run                 |
| Output @ Frequency             | 2.000 HP @ 60 HZ                         |
| Phase                          | 1                                        |
| Synchronous Speed @ Frequency  | 1800 RPM @ 60 HZ                         |
| Voltage @ Frequency            | 115.0 V @ 60 HZ<br>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              | 12.400 A @ 230.0 V<br>24.800 A @ 115.0 V |
| Design Code                    | L                                        |
| 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                                     |
| Heater Indicator               | No Heater                                |
| High Voltage Full Load Amps    | 12.4 a                                   |

## Part detail

|              |                              |
|--------------|------------------------------|
| Revision     | P                            |
| Type         | AC                           |
| Mech. spec.  | 36Q169                       |
| Base         |                              |
| Status       | PRD/A                        |
| Elec. spec.  | 36WGX416                     |
| Layout       | 36LYQ169                     |
| Eff. date    | 11-27-2024                   |
| CD Diagram   | CD0008                       |
| Poles        | 04                           |
| Leads        | 4#14 A&J,2#16 B PH,1#10 #4TH |
| Proprietary  | False                        |
| Created date | 12-12-2013                   |

|                               |                         |
|-------------------------------|-------------------------|
| Insulation Class              | F                       |
| Inverter Code                 | Not Inverter            |
| KVA Code                      | L                       |
| Lifting Lugs                  | No Lifting Lugs         |
| Locked Bearing Indicator      | No Locked Bearing       |
| Motor Lead Exit               | Ko Box                  |
| Motor Lead Quantity/Wire Size | 4 @ 14 AWG, A&J         |
| Motor Lead Termination        | Flying Leads            |
| Motor Standards               | NEMA                    |
| Motor Type                    | 3634L                   |
| Mounting Arrangement          | F1                      |
| Number of Poles               | 4                       |
| Overall Length                | 15.67 IN                |
| Power Factor                  | 73                      |
| Product Family                | General Purpose         |
| Pulley End Bearing Type       | Sealed Bearing          |
| Pulley Face Code              | Standard                |
| Pulley Shaft Indicator        | Standard                |
| Rodent Screen                 | None                    |
| Service Factor                | 1.00                    |
| Shaft Diameter                | 0.875 IN                |
| Shaft Extension Location      | Pulley End              |
| Shaft Ground Indicator        | No Shaft Grounding      |
| Shaft Rotation                | Reversible              |
| Shaft Slinger Indicator       | Shaft Slinger           |
| Speed                         | 1725 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             | Manual Thermal Overload |
| Winding Thermal 1 Location    | KO                      |
| Winding Thermal 2             | None                    |

## Nameplate

| NP1280L      |              |    |      |      |     |    |    |   |  |
|--------------|--------------|----|------|------|-----|----|----|---|--|
| CAT.NO.      | FDL3611M     |    |      |      |     |    |    |   |  |
| SPEC.        | 36Q169X416G1 |    |      |      |     |    |    |   |  |
| HP           | 2            |    |      |      |     |    |    |   |  |
| VOLTS        | 115/230      |    |      |      |     |    |    |   |  |
| AMP          | 24.8/12.4    |    |      |      |     |    |    |   |  |
| RPM          | 1725         |    |      |      |     |    |    |   |  |
| FRAME        | 184          |    | HZ   | 60   |     | PH | 1  |   |  |
| SER.F.       | 1.00         |    | CODE | L    | DES | L  | CL | F |  |
| NEMA-NOM-EFF | 74           |    | PF   | 73   |     |    |    |   |  |
| RATING       | 40C AMB-CONT |    |      |      |     |    |    |   |  |
| CC           |              |    |      |      |     |    |    |   |  |
| DE           | 6206         |    | ODE  | 6205 |     |    |    |   |  |
| ENCL         | TEFC         | SN |      |      |     |    |    |   |  |
|              |              |    |      |      |     |    |    |   |  |

**Accessories**

| Part number | Description                             | Multiplier |
|-------------|-----------------------------------------|------------|
| 36-3301FD   | C FACE KIT FARM DUTY 182-4TC ENCL, 6206 | P1         |

## AC Induction Motor Performance Data

Record # 61427

Typical performance - not guaranteed values

| Winding: 36WGX416-R002 |    |              | Type: 3634L                              |                         | Enclosure: TEFC       |          |                              |
|------------------------|----|--------------|------------------------------------------|-------------------------|-----------------------|----------|------------------------------|
| Nameplate Data         |    |              | 230 V, 60 Hz:<br>High Voltage Connection |                         |                       |          |                              |
| Rated Output (HP)      |    | 2            | Full Load Torque                         |                         | 6 LB-FT               |          |                              |
| Volts                  |    | 115/230      | Start Configuration                      |                         | direct on line        |          |                              |
| Full Load Amps         |    | 28/14        | Breakdown Torque                         |                         | 16 LB-FT              |          |                              |
| R.P.M.                 |    | 1725         | Pull-up Torque                           |                         | 15 LB-FT              |          |                              |
| Hz                     | 60 | Phase        | 1                                        | Locked-rotor Torque     |                       | 24 LB-FT |                              |
| NEMA Design Code       |    | L            | KVA Code                                 | J                       | Starting Current      |          | 75 A                         |
| Service Factor (S.F.)  |    | 1            |                                          | No-load Current         |                       | 8.55 A   |                              |
| NEMA Nom. Eff.         |    | 75           | Power Factor                             | 67                      | Line-line Res. @ 25°C |          | 0.732 Ω A Ph<br>0.396 Ω B Ph |
| Rating - Duty          |    | 40C AMB-CONT |                                          | Temp. Rise @ Rated Load |                       | 78°C     |                              |

## Load Characteristics 230 V, 60 Hz, 2 HP

| % of Rated Load | 25   | 50   | 75    | 100   | 125   | 150   |
|-----------------|------|------|-------|-------|-------|-------|
| Power Factor    | 34   | 49   | 61    | 70    | 75    | 79    |
| Efficiency      | 53.8 | 68.3 | 74.2  | 76.8  | 77.6  | 77.4  |
| Speed           | 1788 | 1778 | 1767  | 1756  | 1743  | 1729  |
| Line amperes    | 8.98 | 9.65 | 10.75 | 12.15 | 13.85 | 15.85 |

ABB Motors and Mechanical Inc.

WINDING # 36WGx416

Typical performance - not guaranteed values.

2 HP 1 PH 60 HZ 1725 RPM 230 V 3634L

TORQUES (LB-FT): PO=16 PU=15 LR=24 LRA=75







