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# Customer information packet

## XL18322T

3HP, 3450RPM, 1PH, 60HZ, 184T, 3634L, XPFC, F1

Class - CLI GP D; CLII GP F,G

Division - Division I

## Specifications

|                                |                                          |
|--------------------------------|------------------------------------------|
| Enclosure                      | XPFC                                     |
| Frame                          | 184T                                     |
| Frame Material                 | Steel                                    |
| Frequency                      | 60.00 Hz                                 |
| Haz Area Class and Group       | CLI GP D; CLII GP F,G                    |
| Haz Area Division              | Division I                               |
| Motor Letter Type              | Cap Start, Induction Run                 |
| Output @ Frequency             | 3.000 HP @ 60 HZ                         |
| Phase                          | 1                                        |
| Synchronous Speed @ Frequency  | 3600 RPM @ 60 HZ                         |
| Voltage @ Frequency            | 115.0 V @ 60 HZ<br>230.0 V @ 60 HZ       |
| Agency Approvals               | CSA<br>UL                                |
| 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              | 14.500 A @ 230.0 V<br>29.000 A @ 115.0 V |
| Design Code                    | L                                        |
| Drip Cover                     | No Drip Cover                            |
| Duty Rating                    | CONT                                     |
| Efficiency @ 100% Load         | 76.0 %                                   |
| Electrically Isolated Bearing  | Not Electrically Isolated                |
| Feedback Device                | NO FEEDBACK                              |
| Haz Area Temp Code             | T3C                                      |
| Heater Indicator               | No Heater                                |
| High Voltage Full Load Amps    | 14.5 a                                   |
| Insulation Class               | F                                        |

## Part detail

|              |                     |
|--------------|---------------------|
| Revision     | C                   |
| Type         | AC                  |
| Mech. spec.  |                     |
| Base         |                     |
| Status       | PRD/A               |
| Elec. spec.  | 36WGA0038           |
| Layout       | 36LYN003            |
| Eff. date    | 02-22-2024          |
| CD Diagram   | CD0001              |
| Poles        | 02/02               |
| Leads        | 4#14 A PH,2#16 B PH |
| Proprietary  | False               |
| Created date | 04-28-2021          |

|                            |                            |
|----------------------------|----------------------------|
| IP Rating                  | NONE                       |
| KVA Code                   | G                          |
| Lifting Lugs               | No Lifting Lugs            |
| Locked Bearing Indicator   | No Locked Bearing          |
| Motor Lead Termination     | Flying Leads               |
| Motor Standards            | NEMA                       |
| Motor Type                 | 3634L                      |
| Mounting Arrangement       | F1                         |
| Number of Poles            | 2                          |
| Overall Length             | 17.42 IN                   |
| Power Factor               | 87                         |
| Product Family             | General Purpose            |
| Pulley Face Code           | Standard                   |
| Rodent Screen              | None                       |
| Service Factor             | 1.15                       |
| Shaft Diameter             | 1.125 IN                   |
| Shaft Ground Indicator     | No Shaft Grounding         |
| Shaft Rotation             | Reversible                 |
| Speed                      | 3450 rpm                   |
| Speed Code                 | Single Speed               |
| Starting Method            | Direct on line             |
| Thermal Device - Bearing   | None                       |
| Thermal Device - Winding   | Normally Closed Thermostat |
| Vibration Sensor Indicator | No Vibration Sensor        |
| Winding Thermal 1          | None                       |
| Winding Thermal 2          | None                       |

## Nameplate

| NP1426XPSL |                        |    |              |   |      |   |    |  |  |
|------------|------------------------|----|--------------|---|------|---|----|--|--|
| NO.        |                        | CC |              |   |      |   |    |  |  |
| SER.       |                        |    |              |   |      |   |    |  |  |
| SPEC.      | 36-0000-0518           |    |              |   |      |   |    |  |  |
| CAT.NO.    | XL18322T               |    |              |   |      |   |    |  |  |
| HP         | 3                      |    | T. CODE      |   | T3C  |   |    |  |  |
| VOLTS      | 115/230                |    |              |   |      |   |    |  |  |
| AMPS       | 29/14.5                |    |              |   |      |   |    |  |  |
| RPM        | 3450                   |    |              |   |      |   |    |  |  |
| HZ         | 60                     |    | PH           | 1 | CL   | F |    |  |  |
| SER.F.     | 1.15                   |    | DES          | L | CODE | G |    |  |  |
| RATING     | 40C AMB-CONT           |    |              |   |      |   |    |  |  |
| FRAME      | 184T                   |    | NEMA-NOM-EFF |   |      |   | 76 |  |  |
|            |                        | PF | 87           |   |      |   |    |  |  |
| BLANK      | NEMA MG-1 PART 5, IP54 |    |              |   |      |   |    |  |  |

## AC Induction Motor Performance Data

Record # 88067

Typical performance - not guaranteed values

| Winding: 36WG0201     |    |              | Type: 3634L                             |                           | Enclosure: XPFC       |              |                             |
|-----------------------|----|--------------|-----------------------------------------|---------------------------|-----------------------|--------------|-----------------------------|
| Nameplate Data        |    |              | 115 V, 60 Hz:<br>Low Voltage Connection |                           |                       |              |                             |
| Rated Output (HP)     |    | 3            | Full Load Torque                        |                           | 4.5 LB-FT             |              |                             |
| Volts                 |    | 115/230      | Start Configuration                     |                           | Unknown               |              |                             |
| Full Load Amps        |    | 28.6/14.3    | Breakdown Torque                        |                           | 11.9 LB-FT            |              |                             |
| R.P.M.                |    | 3450         | Pull-up Torque                          |                           | 6.08 LB-FT            |              |                             |
| Hz                    | 60 | Phase        | 1                                       | Locked-rotor Torque       |                       | 8.41 LB-FT   |                             |
| NEMA Design Code      |    | L            | KVA Code                                | H                         | Starting Current      |              | 134 A                       |
| Service Factor (S.F.) |    | 1.15         |                                         | No-load Current           |                       | 9.19 A       |                             |
| NEMA Nom. Eff.        |    | 76           | Power Factor                            | 87                        | Line-line Res. @ 25°C |              | 0.156 Ω A Ph<br>0.85 Ω B Ph |
| Rating - Duty         |    | 40C AMB-CONT |                                         | Temp. Rise @ Rated Load   |                       | 63°C         |                             |
| S.F. Amps             |    | 33.2/16.6    |                                         | Temp. Rise @ S.F. Load    |                       | 73°C         |                             |
|                       |    |              |                                         | Locked-rotor Power Factor |                       | 76.3         |                             |
|                       |    |              |                                         | Rotor inertia             |                       | 0.153 lb-ft² |                             |

## Load Characteristics 115 V, 60 Hz, 3 HP

| % of Rated Load | 25   | 50   | 75   | 100  | 125  | 150  | S.F. |
|-----------------|------|------|------|------|------|------|------|
| Power Factor    | 62   | 79   | 87   | 90   | 91   | 91   | 91   |
| Efficiency      | 67.4 | 78.5 | 82   | 82.9 | 82.6 | 81.4 | 82.7 |
| Speed           | 3576 | 3556 | 3534 | 3509 | 3482 | 3451 | 3493 |
| Line amperes    | 11.6 | 15.6 | 20.6 | 26.2 | 32.4 | 39.3 | 29.9 |

ABB Motors and Mechanical Inc.

WINDING # 36WG0201

Typical performance - not guaranteed values.

3 HP 1 PH 60 HZ 3450 RPM 115 V 3634L

TORQUES (LB-FT): PO=11.9 PU=6.08 LR=8.41 LRA=134





