

# **BALDOR® • RELIANCE**

## **Product Information Packet**

### **EM7019**

**1.5//1HP,1760//1460RPM,3PH,60//50HZ,184**

| Part Detail |      |                |       |             |          |               |            |
|-------------|------|----------------|-------|-------------|----------|---------------|------------|
| Revision:   | B    | Status:        | PRD/A | Change #:   |          | Proprietary:  | No         |
| Type:       | AC   | Prod. Type:    | 3526M | Elec. Spec: | 35WGM493 | CD Diagram:   | CD0005     |
| Enclosure:  | XPFC | Mfg Plant:     |       | Mech. Spec: | 35M526   | Layout:       | 35LYM526   |
| Frame:      | 184  | Mounting:      | F1    | Poles:      | 04       | Created Date: | 08-31-2015 |
| Base:       | RG   | Rotation:      | R     | Insulation: | B        | Eff. Date:    | 10-19-2015 |
| Leads:      | 9#18 |                |       |             |          | Replaced By:  |            |
| Literature: |      | Elec. Diagram: |       |             |          |               |            |

## Nameplate NP1426XPSLEV

|                |                  |              |      |
|----------------|------------------|--------------|------|
| NO.            |                  | CC           | 010A |
| SER.           |                  |              |      |
| SPEC.          | 35M526M493G1     |              |      |
| CAT.NO.        | EM7019           |              |      |
| HP             | 1.5//1           | T. CODE      | T3C  |
| VOLTS          | 230/460//190/380 |              |      |
| AMPS           | 4.4/2.2//3.8/1.9 |              |      |
| RPM            | 1760//1460       |              |      |
| HZ             | 60//50           | PH           | 3    |
| SER.F.         | 1.00             | DES          | B    |
| RATING         | 40C AMB-CONT     | CL           | B    |
| FRAME          | 184              | CODE         | L    |
| USABLE AT 208V | 4.5              | NEMA-NOM-EFF | 86.5 |
| BLANK          |                  | PF           | 73   |

| Parts List    |                                          |          |
|---------------|------------------------------------------|----------|
| Part Number   | Description                              | Quantity |
| SA306782      | SA 35M526M493G1                          | 1.000 EA |
| RA294042      | RA 35M526M493G1                          | 1.000 EA |
| 34FN3002B01   | EXTERNAL FAN, PLASTIC, .637/.639 HUB W/  | 1.000 EA |
| 35CB3001A01SP | EXPL CONDUIT BOX, MACH, 1/2" PIPE TAP LE | 1.000 EA |
| 11XW1032G06   | 10-32 X .38, TAPTITE II, HEX WSHR SLTD U | 1.000 EA |
| HW3001B01     | BRASS CUP WASHER, FOR #8 SCREW           | 1.000 EA |
| 35EP3700A01SP | FR ENDPLATE, XPFC                        | 1.000 EA |
| HW5100A03     | WAVY WASHER (W1543-017)                  | 1.000 EA |
| 35EP3701A01   | PU ENDPLATE, XPFC - 205 BRG              | 1.000 EA |
| XY3118A12     | 5/16-18 HEX NUT DIRECTIONAL SERRATION    | 4.000 EA |
| 51XB1214A16   | 12-14X1.00 HXWSSLD SERTYB                | 1.000 EA |
| 35FH4005A01SP | IEC FH NO GREASER W/PRIMED               | 1.000 EA |
| 51XW1032A06   | 10-32 X .38, TAPTITE II, HEX WSHR SLTD S | 3.000 EA |
| 35CB3500A01SP | CONDUIT BOX LID, MACH                    | 1.000 EA |
| 51XN2520A16   | SCREW, HEX WS SLT, ZN, 1/4-20 X 1.00     | 4.000 EA |
| HW2501D13     | KEY, 3/16 SQ X 1.375                     | 1.000 EA |
| HA7000A01     | KEY RETAINER 7/8" DIA SHAFT              | 1.000 EA |
| 85XU0407S04   | 4X1/4 U DRIVE PIN STAINLESS              | 6.000 EA |
| MJ1000A02     | GREASE, POLYREX EM EXXON (USe 4824-15A)  | 0.050 LB |
| MG1025G29     | WILKOFAS, 789.229, DARK CHARCOAL GRAY    | 0.017 GA |
| HA3104A08     | THRUBOLT-5/16-18X9.375 X X               | 4.000 EA |
| LB1119N       | WARNING LABEL                            | 1.000 EA |
| LC0145B01     | CONNECTION LABEL                         | 1.000 EA |
| NP1426XPSLEV  | SS XP UL CSA-EEV CC CL-I GP-D            | 1.000 EA |

| Parts List (continued) |                                          |          |
|------------------------|------------------------------------------|----------|
| Part Number            | Description                              | Quantity |
| 36PA1001               | PKG GRP, PRINT    PK1017A06              | 1.000 EA |
| MN416A01               | TAG-INSTAL-MAINT no wire (1000/bx) 11/14 | 1.000 EA |

**AC Induction Motor Performance Data**

Record # 35582 - Typical performance - not guaranteed values

|                               |                    |                        |
|-------------------------------|--------------------|------------------------|
| <b>Winding:</b> 35WGM493-R009 | <b>Type:</b> 3526M | <b>Enclosure:</b> XPFC |
|-------------------------------|--------------------|------------------------|

| Nameplate Data        |                  |              |    | 440 V, 50 Hz:<br>High Voltage Connection |                          |
|-----------------------|------------------|--------------|----|------------------------------------------|--------------------------|
| Rated Output (HP)     | 1.5//1           |              |    | Full Load Torque                         | 3.56 LB-FT               |
| Volts                 | 230/460//220/440 |              |    | Start Configuration                      | direct on line           |
| Full Load Amps        | 4.4/2.2//4.8/2.4 |              |    | Breakdown Torque                         | 24.6 LB-FT               |
| R.P.M.                | 1760//1460       |              |    | Pull-up Torque                           | 13.7 LB-FT               |
| Hz                    | 60//50           | Phase        | 3  | Locked-rotor Torque                      | 19.5 LB-FT               |
| NEMA Design Code      | B                | KVA Code     | L  | Starting Current                         | 21.1 A                   |
| Service Factor (S.F.) | 1                |              |    | No-load Current                          | 2.09 A                   |
| NEMA Nom. Eff.        | 86.5             | Power Factor | 73 | Line-line Res. @ 25°C                    | 10.1 Ω                   |
| Rating - Duty         | 40C AMB-CONT     |              |    | Temp. Rise @ Rated Load                  | 46°C                     |
| S.F. Amps             |                  |              |    | Temp. Rise @ S.F. Load                   | 51°C                     |
|                       |                  |              |    | Locked-rotor Power Factor                | 59.7                     |
|                       |                  |              |    | Rotor inertia                            | 0.154 LB-FT <sup>2</sup> |

**Load Characteristics 440 V, 50 Hz, 1 HP**

|                 |      |      |      |      |      |      |
|-----------------|------|------|------|------|------|------|
| % of Rated Load | 25   | 50   | 75   | 100  | 125  | 150  |
| Power Factor    | 19   | 30   | 41   | 51   | 58   | 65   |
| Efficiency      | 60.7 | 74.3 | 79.9 | 82.4 | 83.3 | 83.4 |
| Speed           | 1494 | 1488 | 1481 | 1475 | 1468 | 1460 |
| Line amperes    | 2.1  | 2.14 | 2.22 | 2.35 | 2.53 | 2.71 |

## Performance Graph at 440V, 50Hz, 1.0HP Typical performance - Not guaranteed values





