PRODUCT INFORMATION PACKET



Model No: EM3590 Catalog No: EM3590 PRO-E SERIES® Fan and Blower Motor, 3/4 HP, 1 Ph, 60 Hz, 208-230 V, 1075 RPM, 3 Speed, 48 Frame, OPEN



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Nameplate Specifications

| Output HP | 3/4 Нр | Output KW | 0.56 kW | |
|--------------------|---------------|---------------------|---------------|--|
| Frequency | 60 Hz | Voltage | 208-230 V | |
| Current | 5.1-4.2-3.1 A | Speed | 1075 rpm | |
| Service Factor | 1 | Phase | 1 B | |
| Duty | Air Over | Insulation Class | | |
| Frame | 48Y | Enclosure | Open Enclosed | |
| Thermal Protection | Automatic | Ambient Temperature | 40 °C | |
| UL | Recognized | CSA | Y | |
| CE | Ν | Number of Speeds | 3 | |

Technical Specifications

| Electrical Type | Permanent Split Capacitor | Starting Method | Across The Line | |
|-------------------|---------------------------|-----------------------|-----------------|--|
| Poles | 6 | Rotation | Reversible | |
| Mounting | Extended Studs | Motor Orientation | Horizontal | |
| Drive End Bearing | Ball | Opp Drive End Bearing | Ball | |
| Frame Material | Rolled Steel | Shaft Type | Flat | |
| Overall Length | 10.36 in | Frame Length | 5.49 in | |
| Shaft Diameter | 0.500 in | Shaft Extension | 4.0 in | |
| Outline Drawing | EM3590_FA | | | |

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| | GENERAL INFORMATION | | | | | - | | | | |
| | SHAFT RUNOUT: | .001 [.025] T.I.R. PER INCH | LENGTH OF EXTENSION | ROT. REV | • | - | 6.36 [161.5- 5.92 | 4] ±.08[2.0] | ±.08[2.0] 4.00 [101.60] | |
| D | BEARINGS: | BALL | | ¢5.70 [ø144. MAX | 78] | 2X .50 [12.69] | [150.3] 5.484 [139.3] | | OF IEPLATE OF WARNING KER | |
| | MOUNTING POSITION: | HORIZONTAL | | | | TOP OF STICKER PSC SOLUTION (ADHESIVE) | | | EN REQ'D) - 3.50 [88.90] USABLE FLAT | .453±.005 [11.508±.127] FLAT |
| | ELECTRICAL DATA: | | | | | 2x 2.5 0 [63.5±0.5] | | | <u> </u> | |
| | OVERLOAD PROTECTOR: | AUTOMATIC RESET (7AM 035) | | | | | | | ø.5000+.000 ø12.7000+.0 ø12.7000+.0 | 0 4 0000 102 |
| | LEADS: | NO. 18 GA., .03 [.76] THK.,XL | P 125°C INSUL. | | VELDING LENGTH | | | | L .o | |
| С | GROUND LEADS: | GROUND LEADS: NO. 18 GA., .03 [.76] THK.,(GREEN)INSUL. | | | LEAD LEAD LENGTH | | | | | |
| | | | | - | 60.0° Y | GROUND LEAD (* PROTRUDE BEYO | TERMINAL AT MOTOR ND MOTOR O.D.) | MUST NOT | | |
| | SAMPLE NUMBER SM19-42 | EXTERNAL CONNECTION | | | | | 1 | | | |
| | NAMEPLATE DATA: | DIAGRAM | | GREEN (GRD) | 9/11 [229/279] | #10 EYELET | | | | |
| | MODEL: 5KCP39PGDD638S CUST. P/N: EM3590 | | | PURPLE (REV) | 4/6 [102/152] | .25[6.35] PER-INSUL. MALE TAB | | | | |
| | HP: 3/4 ROT: REVERSIBLE | RED ———————————————————————————————————— | | PURPLE (REV) | 4/6 | .25[6.35] PER-INSUL. | | | | |
| В | RPM: 1075/3 SPD | BLACK HI | NF | | [102/152] 4/6 | FEMALE SPADE | | | | E |
| | TYPE: UF FRAME: 48Y | WHITE | | YELLOW (REV) | [102/152] | .25[6.35] PER-INSUL. MALE TAB | NOTES: 1. CENTU | URY OUTSIDE MOTOR S | ERIES. | |
| | VOLTS: 208–230V PH: 1 | BROWN/W | | YELLOW (REV) | 4/6 [102/152] | .25[6.35] PER-INSUL. FEMALE SPADE | 2. SPRIN | NG SHIM IN OLE SIDE. LABEL READ FROM LE | | |
| | AMPS: 5.1-4.2-3.1 HZ: 60 | BROWN | | BROWN | 25/27 [635/686] | .25[6.35] FEMALE SPADE | J. ALL L | LABEL READ FROM LE | | |
| | INS: B AMB: 40°C | ROTATION AT LEAD END | | BROWN/WHITE | 25/27 [635/686] | .25[6.35] FEMALE SPADE | | | | |
| | DUTY: AIR OVER | YELLOW CCW PURPLE | | WHITE | 25/27 [635/686] | .60[15.24] SKIN | | | | |
| | CAP.: 10MFD/370V THERMALLY PROTECTED | YELLOW PURPLE | | BLACK | 25/27 | .60[15.24] SKIN | | | | |
| | | YELLOW CW YELLOW | | BLUE | [635/686] 25/27 | .60[15.24] SKIN | | | | |
| | E27885 | PURPLE PURPLE | | RED | [635/686] 25/27 | .60[15.24] SKIN | MAIN FRAME – END FRAME – | 01 211 | _ | |
| | MADE IN INDIA | 63P5519#201 | | COLOR | [635/686] LENGTH | TERMINAL OR STRIP LENGTH | MAIN FRAME - | LE OPEN | | |
| | | | | | LEAD DATA | | END FRAME - | LE OPEN ENCLOSURE | CUSTOMER | |
| A | | | | 1 | | | | | | |
| | | | | | ECR-0212494 LS ECO DESCRIPTION PSC SOLUTION STICKE | | 22 AF | 3.01.20 PROVED BY: DESCRIPTION | , , , , , , , , , , , , , , , , , , , | |
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| | 4 | | | 3 | RESTRICTIONS UNDER APPLICABLE E | 0 | | PROJECTION WHC | <u>EM3590_FA</u> 1 | 1 |
| | T | | | \mathcal{L} | | Z | 3 of 3 | | I | |