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



Regal and Century are trademarks of Regal Rexnord Corporation or one of its affiliated companies. ©2022 Regal Rexnord Corporation, All Rights Reserved. MC017097E



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



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			

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:11/29/2022

Uncol	trolled Copy 4			3		2			1	
Г	Т			5		∠			I	
	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	, , , , , , , , , , , , , , , , , , ,	
					PROPRIETARY AND CONTROLING STITUTE PROPRIETARY AND CONTROLING, INFORMA INFORMATION, ANY PERSON, CORPORATION BY RECENTED IT, IN ARREST AND A CONTROL OF A DATE OF A CONTROL OF A CONTROL OF A CONTROL ANY PERSON, CORPORATION OF OTHER AS EXPRESSIV, APPROVED IN WRITING IN BE RETURNED TO ANY PERSON, CONTROL OF A BE RETURNED TO ANY PERSON, CONTROL OF A DATE OF A CONTROL OF A CONTROL OF A CONTROL OF A DATE OF A CONTROL OF A CONTROL OF A CONTROL OF A DATE OF A CONTROL OF A CONTROL OF A CONTROL OF A DATE OF A CONTROL OF A CONTROL OF A CONTROL OF A CONTROL OF A DATE OF A CONTROL OF A CONTROL OF A CONTROL OF A CONTROL OF A DATE OF A CONTROL OF	A ADUED IN MOTOR VIEW Rev. Rev. La. Rev. Rev. Rev. (a) A microcovers is the reversion on one rev. Rev. Rev. Rev. (b) on other rev. Rev. (c) on other rev. Rev. (c) other rev. Rev. (c) other rev. Rev. (c) covers uses and	DA 23 RE -	ATE: 3.01.20 FERENCE HIRD ANGLE ROJECTION SIZE DWG NO C	MODEL-RFHP- OUTLINE	PROCESS/FINISH -
	4			3	RESTRICTIONS UNDER APPLICABLE E	0		PROJECTION WHC	<u>EM3590_FA</u> 1	1
	T			\mathcal{L}		Z	3 of 3		I	