

# PRODUCT INFORMATION PACKET



Model No: 5SME39NXL168I-S  
Catalog No: 5SME39NXL168I-S  
3/4 HP, 1050 RPM, 208-230V, ECM MOTOR

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**Nameplate Specifications**

Phase	1	Output HP	3/4 Hp
Voltage	208-230 V	Speed	1050 rpm
Service Factor	1	Frame	48
Enclosure	Open Air Over	Thermal Protection	No Protection
Ambient Temperature	40 °C	Frequency	60/50 Hz
Current	6.0 A	Duty	Continuous Air Over
Insulation Class	B	UL	Recognized
CSA	Y	CE	N
Number of Speeds	5		

**Technical Specifications**

Electrical Type	Electronically Commutated Motor	Poles	12
Rotation	Counterclockwise	Mounting	Round
Motor Orientation	Vsd	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	Flat	Overall Length	10.42 in
Frame Length	5.57 in	Shaft Diameter	0.500 in
Shaft Extension	3.92 in		
Outline Drawing	5SME39NXL168I	Connection Drawing	24X328008

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### Winding and Test Specification

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**WTS # 24X332718-1**

**Revision # 2**

**Rev. Date : Jul 13, 2018**

**WTS Nameplate Data**

<b>Horsepower</b>	3/4	<b>RPM</b>	1050
<b>Voltage</b>	277/208-230/115	<b>Amps</b>	6.00 8.40
<b>Frequency</b>	60/50	<b>Phases</b>	1
<b>Capacitor</b>		<b>Cap Volts</b>	

**Test Volts : 115**                      **Low Spd St Volts :**  
**Test Frequency : 60**  
**Test Instructions : 24A105040AA-P1**

**Winding**

**Resistance**

	Min	Nominal	Max
<b>Main *</b>	3.23	3.40	3.57
<b>X Main</b>	3.23	3.40	3.57
<b>Y Main</b>			
<b>Z Main</b>			
<b>W Main</b>			
<b>Start</b>	3.23	3.40	3.57

**N. L. Performance Data**

	Amps		Watts		Cap. Volts
	Nominal	Max	Nominal	Max	
	<b>High</b>	0.55		52	
<b>Med. High</b>					
<b>Medium</b>					
<b>Med. Low</b>					
<b>Low</b>					

**Full Load Performance**

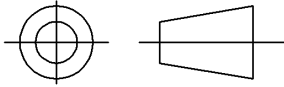
Amps		Watts		Speed	Torque	
Nominal	Max	Nominal	Max	Nominal	Min	Nominal

	Max. Torque			Locked Rotor		
	RPM	Torque		Amps	Watts	Torque
		Min	Nominal	Nominal	Nominal	Nominal
<b>High</b>						
<b>Med. High</b>						
<b>Medium</b>						
<b>Med. Low</b>						
<b>Low</b>						

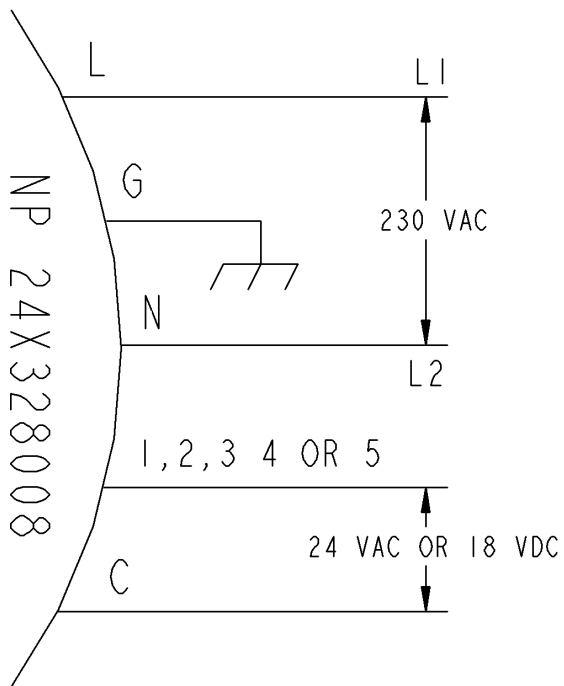
		Customer/Special Load Points						
		Speed	Torque		Watts		Amps	
		Nominal	Min	Nominal	Nominal	Max	Nominal	Max
<b>High</b>								
<b>Med. High</b>								
<b>Medium</b>								
<b>Med. Low</b>								
<b>Low</b>								

\* Large wire size may be double stranded.

SHEET REV 24X328008 A	RBC PROPRIETARY AND CONFIDENTIAL INFORMATION This document is the property of REGAL BELOIT CORPORATION ("RBC") including its subsidiaries and divisions and contains proprietary information of RBC. This document is loaned on the express condition that neither it nor the information contained therein shall be disclosed to others without the express written consent of RBC, and that the information shall be used by the recipient only as approved expressly by RBC. This document shall be returned to RBC upon its request. This document may be subject to certain restrictions under U.S. export control laws and regulations.	REVISIONS				
	2	THIRD ANGLE PROJECTION	REV.	DESCRIPTION	DATE	APPROVED
	1	2	1	MODIFIED PER ISAAC 05-1148	SURAJ 05/16/05	PALESH
			2	CHANGED "GE" FORMAT TO "RBC" FORMAT AS PER ISAAC 05-1777	GEETHA 09/05/05	PALESH



## 230V UNIT CONNECTION



FOR ADDITIONAL INFO REFER TO:	SIGNATURES	DATE
APPLIED PRACTICES	MODEL	
DIMENSIONS ARE IN INCHES	DETAIL	SREYAS 05/09/05
TOLERANCE ON:	CHECKED	
1 PL DECIMALS ± 0.1	ENGRG	
2 PL DECIMALS ± 0.01	MFG	
3 PL DECIMALS ± 0.005	QUALITY	
ANGLES ± 0.5	ISSUED	
FRACTIONS ±		
FINISH ✓		
MATERIAL	SOLID MODEL: MODEL NAME	



REGAL-BELOIT CORPORATION

TITLE  
**NAME PLATE CONNECTION DIAGRAM**  
FMF X-13 MODELS

SIZE	DRAWING	REV
A	24X328008	2
SCALE:		SHEET 1 of 1

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<b>Medium</b>					
<b>Med. Low</b>					
<b>Low</b>					

**Full Load Performance**

Amps		Watts		Speed	Torque	
Nominal	Max	Nominal	Max	Nominal	Min	Nominal

	Max. Torque			Locked Rotor		
	RPM	Torque		Amps	Watts	Torque
		Min	Nominal	Nominal	Nominal	Nominal
<b>High</b>						
<b>Med. High</b>						
<b>Medium</b>						
<b>Med. Low</b>						
<b>Low</b>						

		Customer/Special Load Points						
		Speed	Torque		Watts		Amps	
		Nominal	Min	Nominal	Nominal	Max	Nominal	Max
<b>High</b>								
<b>Med. High</b>								
<b>Medium</b>								
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## Motor Details

<b>Model :</b>	<b>5SME39NXL168I</b>	<b>Catalog Number :</b>	<b>N/A</b>
<b>General:</b>			
Application :	<b>INDOOR INT CONTROL</b>	Motor Category :	<b>COMPLETE MOTOR</b>
Phases :	<b>1</b>	Production Status :	<b>PROD</b>
# of Speeds :	<b>5</b>	Stock Status :	
Testspec :	<b>24X332718-1</b>	Approved For Sale :	
Horiz/Vertical :	<b>VSD</b>	Restricted Model :	
Shell Enclosure :	<b>OPEN</b>	Customer :	<b>CARRIER</b>
Endshield Enclosure :	<b>CLOSED</b>	Customer Part# :	<b>HD46AR248</b>
<b>Nameplate Data:</b>			
Horsepower :	<b>3/4</b>	GE Type :	<b>SME</b>
RPM :	<b>1050</b>	Time Rating :	<b>CAO</b>
Voltage :	<b>208-230</b>	Frequency :	<b>60/50</b>
FL Amps :	<b>6.0</b>	Insulation Class:	<b>B</b>
Capacitor 1mFd/V :	<b>N/R</b>	Capacitor 2mFd/V :	<b>N/R</b>
Additional Information :	<b>N/R</b>		
<b>Miscellaneous:</b>			
Fullload RPM - HI :		GE Frame :	<b>48</b>
Poles :	<b>12</b>	Shell Length :	<b>5.57</b>
Rotation :	<b>CCW</b>	Drains :	<b>Y</b>
Thermal Protection :		Est. Weight :	<b>-10</b>
Finish Color:	<b>STD GRAY</b>	Capacitor By :	<b>N/R</b>
<b>OVERLOAD INFORMATION::</b>			
Protector:	<b>N/R</b>	Overload Temp :	<b>N/A</b>
Catalog No:	<b>N/A</b>	Vendor Name:	<b>N/A</b>
<b>THERMAL CUT-OFF INFORMATION:</b>			
TCO:	<b>N/A</b>	Overload Temp :	<b>N/A</b>
Catalog No:	<b>N/A</b>	Vendor Name:	<b>N/A</b>
<b>U.L.CONSTRUCTION FILES:</b>			
Motor Construction:	<b>E46035(excluding SME)</b>	Class B Insulation :	<b>E306343(excluding SME)</b>
Over Load :	<b>E27885(excluding SME)</b>	CSA(REY) :	<b>MC236833(excluding SME)</b>
<b>Shaft:</b>			
PE Type :	<b>FLAT</b>	OPE Type :	<b>N/R</b>
PE Length :	<b>3.92</b>	OPE Length :	<b>N/R</b>
PE Diameter :		OPE Diameter :	
PE Flat Length :	<b>3.50</b>	OPE Flat Length :	<b>N/R</b>
<b>Endshields:</b>			
PE Material :	<b>AL</b>	OPE Material :	<b>AL</b>
PE Hub Type :	<b>FLAT</b>	OPE Hub Type :	<b>FLAT</b>
PE Oiler :	<b>N/R</b>	OPE Oiler :	<b>N/R</b>
PE Oil Plug :	<b>N/R</b>	OPE Oil Plug :	<b>N/R</b>
PE Mounting Holes :	<b>N/R</b>	OPE Mounting Holes :	<b>N/R</b>
<b>Bearings:</b>			
PE Bearing Type :	<b>BALL</b>	OPE Bearing Type :	<b>BALL</b>
Bearing Protection :	<b>No</b>	Rohs Compliant :	<b>No</b>
<b>Mounting:</b>			
Base :	<b>N/R</b>	Lug :	<b>N/R</b>
Clamp Screw :	<b>Yes</b>	Weld Screw :	<b>No</b>
<b>Extended Clamp Screws:</b>			
PE Pattern :		OPE Pattern :	
PE Length :	<b>0</b>	OPE Length :	<b>0</b>
PE Nut Qty :	<b>0</b>	OPE Nut Qty :	<b>0</b>
Head End :	<b>OPE</b>	Screw Size :	<b>#8</b>
Nut Thickness :	<b>.12</b>		
<b>Lead &amp; Cord :</b>			
Lead End :	<b>OPE</b>	Lead Type :	<b>SINGLE COND</b>
Lead Exit H/W :	<b>N/R</b>	Lead Harness Desc :	<b>LEAD &amp; PLUG ASM</b>
Lead Exit H/W Orient. :	<b>N/R</b>		

**Note :** Exit position is viewed from the Lead End with the Shell Weld at 6:00.

### Grounding :

Type :	<b>N/R</b>	Location :	<b>N/R</b> viewed from <b>N/R</b> with Oil boss at 12:00
Exit Type :	<b>N/R</b>	AWG Size :	<b>0</b>
Length :	<b>N/R</b>	Color :	<b>N/R</b>
Terminal :	<b>N/R</b>	Ins Material & Thickness :	<b>N/R N/R</b>

Summary :  
**Diagrams and Dimensions :**

Outline Drawing :

Connection Diagram : **423B631 Fig# 35**

C-Dimension :

Connection Label : **24X328008**

Notes :

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Date of last revision : **08-JAN-23**

