

# PRODUCT INFORMATION PACKET



Model No: 5SME39HXL547I-S  
Catalog No: 5SME39HXL547I-S  
1/2 HP ,1 PH , 208-230 V ,1050 RPM , AC MOTOR

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**Nameplate Specifications**

Phase	1	Output HP	1/2 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	4.1 A	Duty	Continuous Air Over
Insulation Class	B	UL	Recognized
CSA	Y	CE	N
Number of Speeds	1		

**Technical Specifications**

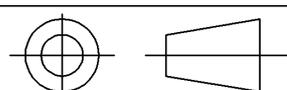
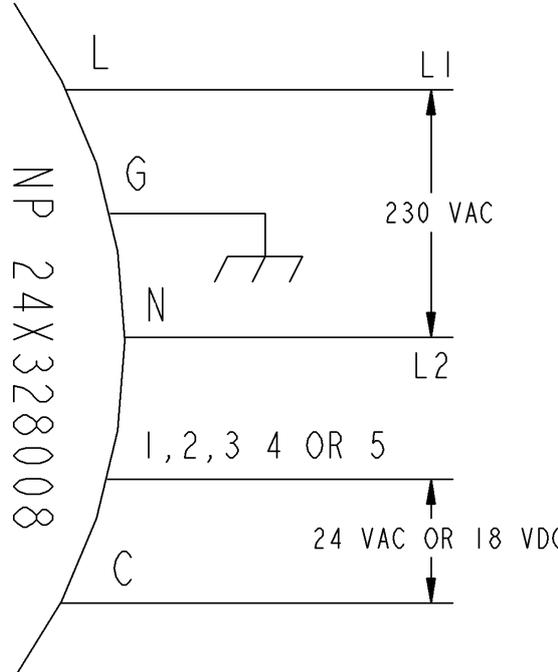
Electrical Type	Electronically Commutated Motor	Poles	12
Rotation	Counterclockwise	Mounting	Round
Motor Orientation	Vsd	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	Flat	Overall Length	9.67 in
Frame Length	4.82 in	Shaft Diameter	0.500 in
Shaft Extension	3.92 in		
Outline Drawing	5SME39HXL547I	Connection Drawing	24X328008

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## Winding and Test Specification

WTS # 24X332717-1												
Revision # 2			Rev. Date : Jul 13, 2018			First Made for :						
<b>WTS Nameplate Data</b>												
Horsepower	1/2		RPM	1050								
Voltage	277/208-230/115		Amps	4.10 6.80								
Frequency	60/50		Phases	1								
Capacitor			Cap Volts									
Test Volts : 115			Low Spd St Volts :									
Test Frequency : 60												
Test Instructions : 24A105040AA-P1												
<b>Winding</b>	<b>Resistance</b>											
	Min		Nominal		Max							
Main *	6.17		6.50		6.83							
X Main	6.17		6.50		6.83							
Y Main												
Z Main												
W Main												
Start	6.17		6.50		6.83							
<b>N. L. Performance Data</b>												
	Amps			Watts		Cap. Volts	Amps		Watts		Speed	Torque
	Nominal		Nominal	Max		Nominal	Max	Nominal	Max	Nominal	Min	Nominal
High	3.55		33	40								
Med. High												
Medium												
Med. Low												
Low												
<b>Locked Rotor</b>												
	Max. Torque			Locked Rotor								
	RPM	Torque		Amps	Watts	Torqu	Nominal	Nominal				
		Min	Nominal	e								
High				Nominal								
Med. High												
Medium												
Med. Low												
Low												
<b>Customer/Special Load Points</b>												
	Speed	Torque		Watts		Amps						
	Nominal	Min	Nominal	Nominal	Max	Nominal	Max					
High												
Med. High												
Medium												
Med. Low												
Low												

\* Large wire size may be double stranded. Regal Beloit Confidential Information

SHEET	1	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		REV.	DESCRIPTION	DATE	APPROVED
	2		1	MODIFIED PER ISAAC 05-1148	SURAJ 05/16/05	PALESH
2	2	CHANGED "GE" FORMAT TO "RBC" FORMAT AS PER ISAAC 05-1777	GEETHA 09/05/05	PALESH		
REV	2	THIRD ANGLE PROJECTION				
SIZE	A					
DRAWING NO.	24X328008	230V UNIT CONNECTION				
						
FOR ADDITIONAL INFO REFER TO:		SIGNATURES	DATE	 <b>REGAL-BELOIT CORPORATION</b>		
APPLIED PRACTICES	DIMENSIONS ARE IN INCHES	MODEL	DETAIL	TITLE		
TOLERANCE ON:	FINISH	CHECKED	ENGRG	NAME PLATE CONNECTION DIAGRAM		
1 PL DECIMALS ± 0.1	2 PL DECIMALS ± 0.01	3 PL DECIMALS ± 0.005	MFG	FMF X-13 MODELS		
ANGLES ± 0.5	FRACTIONS ±	QUALITY	ISSUED	SIZE	DRAWING	
MATERIAL	SOLID MODEL: MODEL NAME	SCALE:	SHEET 1 of 1	24X328008	REV 2	

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	Amps		Watts		Cap. Volts		Amps		Watts		Speed		Torque			
	Nominal		Nominal		Max		Nominal		Max		Nominal		Min		Nominal	
High	3.55		33		40											
Med. High																
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	Amps		Watts		Torque		Nominal		Nominal							
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## Motor Details

<b>Model :</b>	<b>5SME39HXL547I</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>1</b>	Stock Status :	
Testspec :	<b>24X332717-1</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>HD44AR253</b>
<b>Nameplate Data:</b>			
Horsepower :	<b>1/2</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>4.1</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>4.82</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>PE</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>CORD/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>

### Diagrams and Dimensions :

Outline Drawing :		C-Dimension :	
Connection Diagram :	<b>423B631 Fig# 35</b>	Connection Label :	<b>24X328008</b>

### Notes :

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