

PRODUCT INFORMATION PACKET



Model No: 5SME39HXL554I-S
Catalog No: 5SME39HXL554I-S
REY BUILT MOTOR FROM INDIA

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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	5SME39HXL554I	Connection Drawing	24X328008

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Winding and Test Specification

WTS # 24X332717-1

Revision # 2

Rev. Date : Jul 13, 2018

First Made for :

WTS Nameplate Data

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

Winding

Resistance

	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

N. L. Performance Data

	Amps	Watts		Cap. Volts
	Nominal	Nominal	Max	
High	3.55	33	40	
Med. High				
Medium				
Med. Low				
Low				

Full Load Performance

Amps		Watts		Speed	Torque	
Nominal	Max	Nominal	Max	Nominal	Min	Nominal

Max. Torque

	RPM	Torque	
		Min	Nominal
High			
Med. High			
Medium			
Med. Low			
Low			

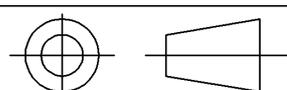
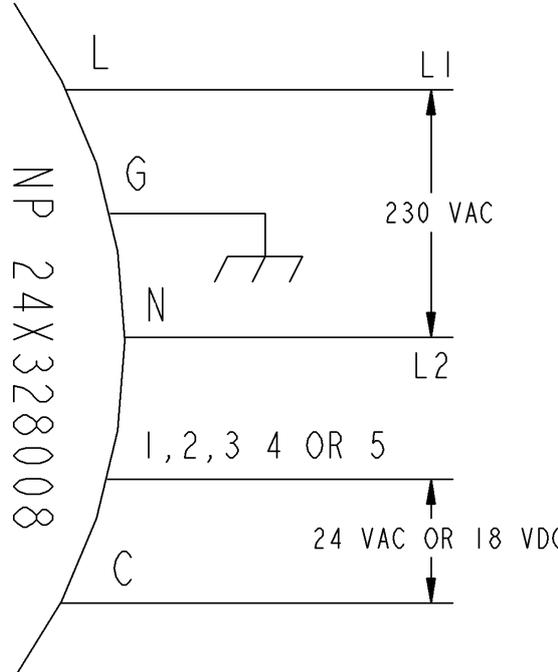
Locked Rotor

Amps	Watts	Torque
Nominal	Nominal	Nominal

Customer/Special Load Points

	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.

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		THIRD ANGLE PROJECTION	1	MODIFIED PER ISAAC 05-1148	SURAJ 05/16/05	PALESH			
24X328008			2	CHANGED "GE" FORMAT TO "RBC" FORMAT AS PER ISAAC 05-1777	GEETHA 09/05/05	PALESH			
A		230V UNIT CONNECTION							
									
FOR ADDITIONAL INFO REFER TO:		SIGNATURES		DATE					
APPLIED PRACTICES		MODEL		 REGAL-BELOIT CORPORATION					
DIMENSIONS ARE IN INCHES		DETAIL					TITLE		
TOLERANCE ON:		CHECKED					NAME PLATE CONNECTION DIAGRAM		
1 PL DECIMALS ± 0.1		ENGRG					FMF X-13 MODELS		
2 PL DECIMALS ± 0.01		MFG					SIZE	DRAWING	REV
3 PL DECIMALS ± 0.005		QUALITY		A	24X328008	2			
ANGLES ± 0.5		ISSUED		SCALE :		SHEET 1 of 1			
FRACTIONS ±		SOLID MODEL: MODEL NAME							
FINISH <input checked="" type="checkbox"/>									

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N. L. Performance Data

	Amps	Watts		Cap. Volts
	Nominal	Nominal	Max	
High	3.55	33	40	
Med. High				
Medium				
Med. Low				
Low				

Full Load Performance

Amps		Watts		Speed	Torque	
Nominal	Max	Nominal	Max	Nominal	Min	Nominal

Max. Torque

	RPM	Torque	
		Min	Nominal
High			
Med. High			
Medium			
Med. Low			
Low			

Locked Rotor

Amps	Watts	Torque
Nominal	Nominal	Nominal

Customer/Special Load Points

	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.



Motor Details

Model : 5SME39HXL554I
General:
Application : INDOOR INT CONTROL
Phases : 1
of Speeds : 1
Testspec : 24X332717-1
Horiz/Vertical : VSD
Shell Enclosure : OPEN
Endshield Enclosure : CLOSED
Nameplate Data:
Horsepower : 1/2
RPM : 1050
Voltage : 208-230
FL Amps : 4.1
Capacitor 1mFd/V : N/R
Capacitor 2mFd/V : N/R
Additional Information : N/R

Miscellaneous:
Fullload RPM - HI :
Poles : 12
Rotation : CCW
Thermal Protection :
Finish Color: STD GRAY

OVERLOAD INFORMATION::
Protector: N/R
Catalog No: N/A

THERMAL CUT-OFF INFORMATION:
TCO: N/A
Catalog No: N/A

U.L.CONSTRUCTION FILES:
Motor Construction: E46035(excluding SME)
Over Load : E27885(excluding SME)

Shaft:
PE Type : FLAT
PE Length : 3.92
PE Diameter :
PE Flat Length : 3.50

Endshields:
PE Material : AL
PE Hub Type : FLAT
PE Oiler : N/R
PE Oil Plug : N/R
PE Mounting Holes : N/R

Bearings:
PE Bearing Type : BALL
Bearing Protection : No

Mounting:
Base : N/R
Clamp Screw : Yes

Extended Clamp Screws:
PE Pattern :
PE Length : 0
PE Nut Qty : 0
Head End : PE
Nut Thickness : .12

Lead & Cord :
Lead End : OPE
Lead Exit H/W : N/R
Lead Exit H/W Orient. : N/R

Catalog Number : N/A
Motor Category : COMPLETE MOTOR
Production Status : PROD
Stock Status :
Approved For Sale :
Restricted Model :
Customer : CARRIER-ICP
Customer Part# : 1186862
GE Type : SME
Time Rating : CAO
Frequency : 60/50
Insulation Class: B
Capacitor 2mFd/V : N/R

GE Frame : 48
Shell Length : 4.82
Drains : Y
Est. Weight : -10
Capacitor By : N/R

Overload Temp : N/A
Vendor Name: N/A

Overload Temp : N/A
Vendor Name: N/A

Class B Insulation : E306343(excluding SME)
CSA(REY) : MC236833(excluding SME)

OPE Type : N/R
OPE Length : N/R
OPE Diameter :
OPE Flat Length : N/R

OPE Material : AL
OPE Hub Type : FLAT
OPE Oiler : N/R
OPE Oil Plug : N/R
OPE Mounting Holes : N/R

OPE Bearing Type : BALL
Rohs Compliant : No

Lug : N/R
Weld Screw : No

OPE Pattern :
OPE Length : 0
OPE Nut Qty : 0
Screw Size : #8

Lead Type : SINGLE COND
Lead Harness Desc : LEAD & PLUG ASM

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

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

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 : **13-DEC-22**

