

# PRODUCT INFORMATION PACKET

**marathon®**  
Motors

Model No: 5008STDSDL16002

Catalog No: Y9012

Endurance Series® MODEL-IHP, 600HP,2P,ODP,5008S,3/60/460,BI/DE,120VSH,WRTD-SH,BRTD PROV



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**RegalRexnord**

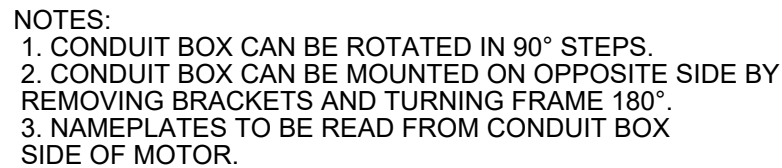
### Nameplate Specifications

Phase	3	Output HP	600 & 500 Hp
Output KW	450.0 & 370.0 kW	Voltage	460 & 380 V
Speed	3575 & 2975 rpm	Service Factor	1.15 & 1.15
Frame	5008S	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	96.1 & 96 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	636 & 649 A	Power Factor	91.5
Duty	Continuous	Insulation Class	H
Design Code	B	KVA Code	F
Drive End Bearing Size	6316	Opp Drive End Bearing Size	6316
UL	Recognized	CSA	Y
CE	N	IP Code	23
Number of Speeds	1		



### Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Wye Start Delta Run
Poles	2	Rotation	Reversible
Resistance Main	.02 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	S	Shaft Diameter	2.875 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	MCA8247	Connection Drawing	EE7340N

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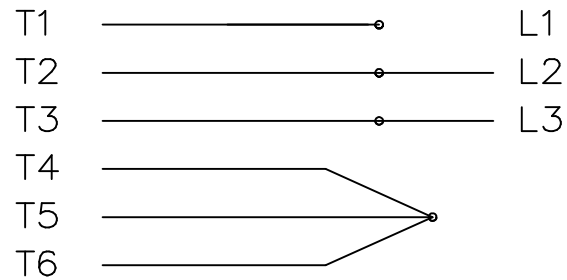


FRAME	B	C	2F	BS
5008S	28.42	46.59	25.00	12.50
5010S	35.43	53.60	32.00	16.00

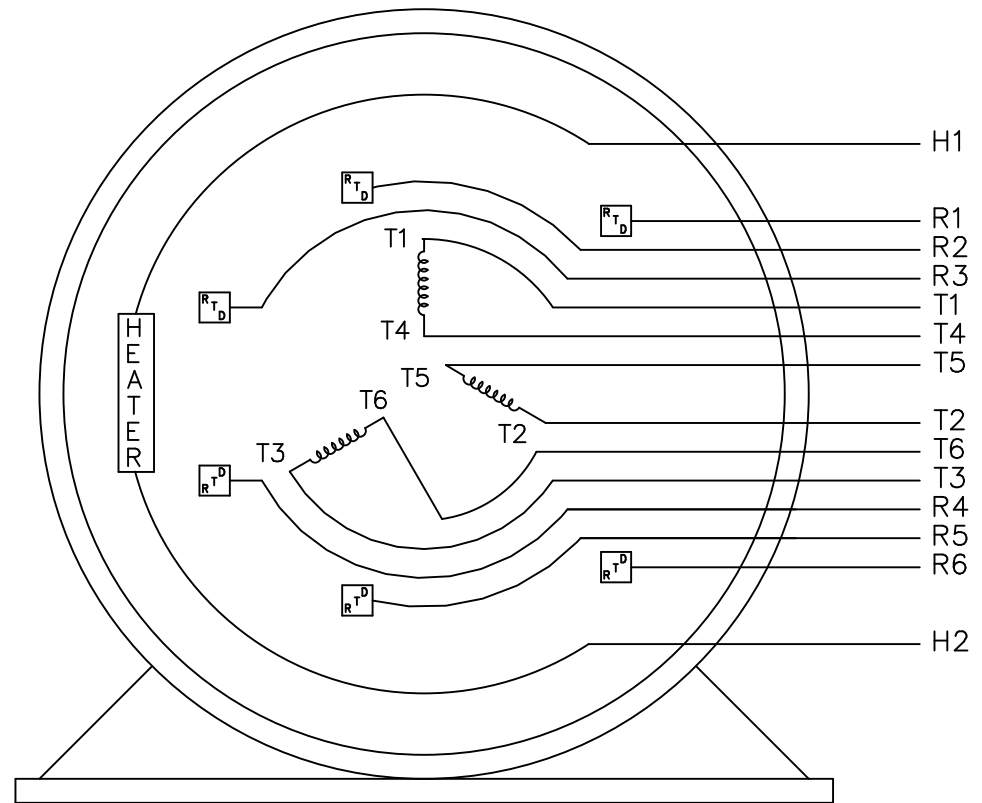
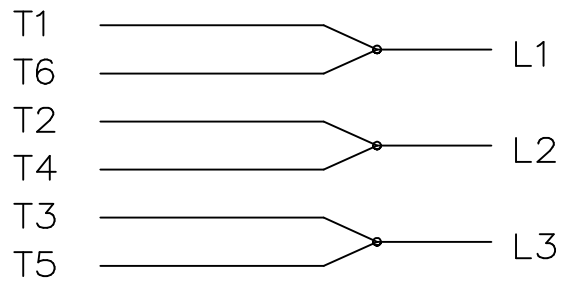
DRAWING REVISION D		REVISION BY GOPI J		REV DATE/© DATE 18/05/2023		TOLERANCES (EXCEPT AS NOTED): <table><tr><td>DEC.</td><td>INCH</td><td>mm</td><td>ANGLE</td></tr><tr><td>.X</td><td>±0.1</td><td>[±3]</td><td>±0.5°</td></tr><tr><td>.XX</td><td>±0.01</td><td>[±0.3]</td><td></td></tr><tr><td>.XXX</td><td>±0.005</td><td>[±0.13]</td><td></td></tr><tr><td>.XXXX</td><td>±0.0005</td><td>[±0.013]</td><td></td></tr></table>				DEC.	INCH	mm	ANGLE	.X	±0.1	[±3]	±0.5°	.XX	±0.01	[±0.3]		.XXX	±0.005	[±0.13]		.XXXX	±0.0005	[±0.013]		DRAWN BY DS		<div></div> <div>Regal Beloit America, Inc.</div>			
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REQUEST NUMBER NMR-0222556		APPROVED BY MG		DATE 18/05/2023		DATE 06/10/2019		DESCRIPTION																											
REQUEST NUMBER DESCRIPTION REMOVED GROUND BRUSH						APPROVED BY MILES		OUTLINE 5000S FR-ODP																											
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						THIRD ANGLE PROJECTION				SIZE B	DRAWING NUMBER MCA8247			SHEET 1 OF 1																					

# THREE PHASE – Y START Δ RUN MOTOR


## START



## RUN



## VIEW OF TERMINAL END

				TOLERANCES UNLESS SPECIFIED		 <b>MARATHON</b> <b>ELECTRIC</b>	DRAWN KL 05-13-2002			
				DEC.	INCHES		CHK DJK 05-13-2002			
				.X	±.1		APPD EAB 05-13-2002			
				.XX	±.02		SCALE 1=1			
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1	NEW DRAWING MU40890	KL 05-13-2002		.XXXX	±.0005	MAT'L.	FMF			
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH	PREV			
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT – DO NOT SCALE THIS PRINT			RFP		CAD FILE EE7340N		SIZE A	DRAWING NO. EE7340N	PAGE OF 1	REV. 1
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