

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 5010STDSDL16001

Catalog No: Y9015

Endurance Series® MODEL-IHP, 700HP,2P,ODP,5010S,3/60/460,BI/DE,120VSH,WRTD-SH,BRTD PROV



Regal and Marathon are trademarks of Regal Rexnord Corporation or one of its affiliated companies.

©2023 Regal Rexnord Corporation, All Rights Reserved. MC017097E

RegalRexnord

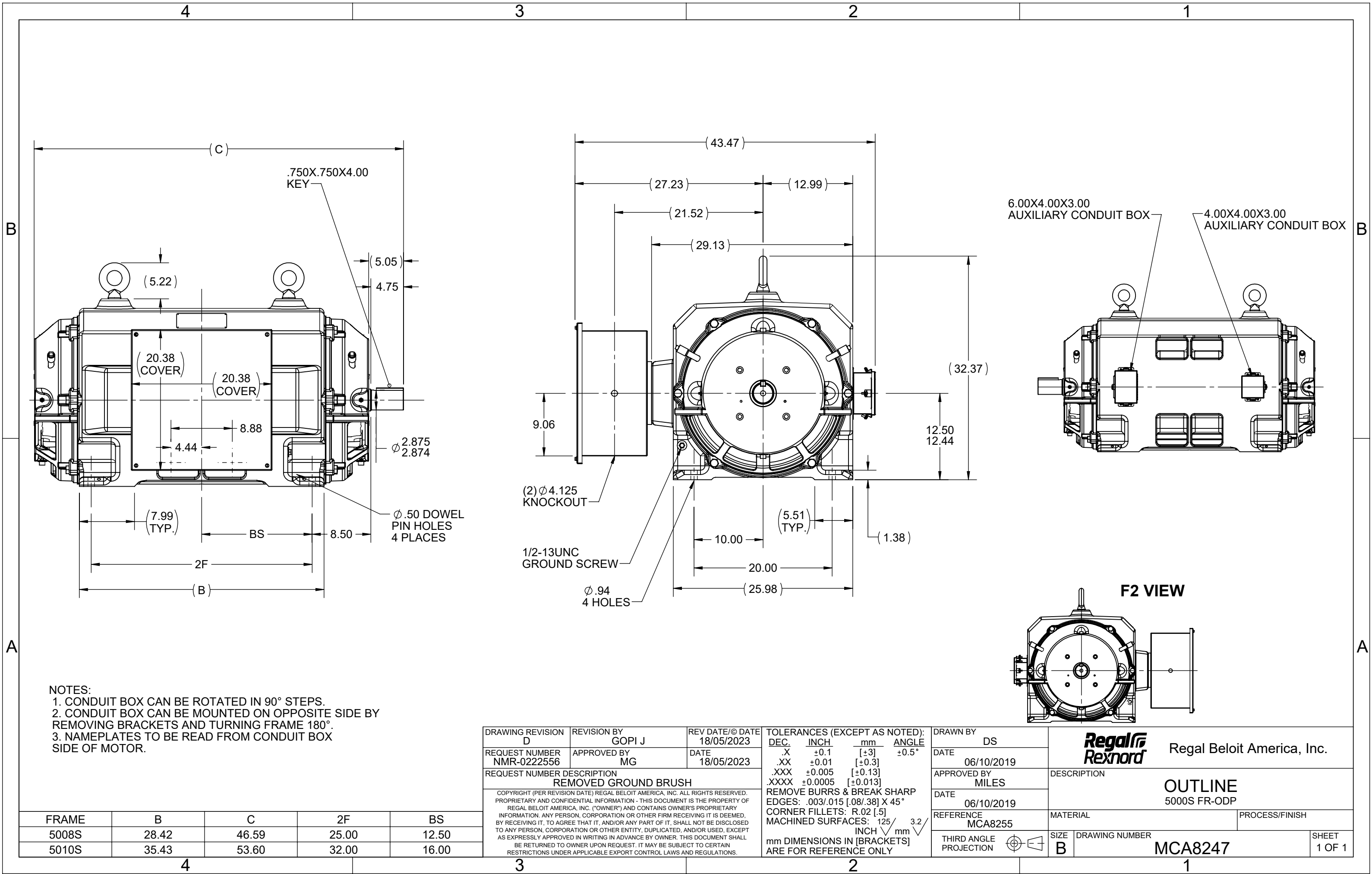
Nameplate Specifications

Phase	3	Output HP	700 & 600 Hp
Output KW	520.0 & 450.0 kW	Voltage	460 & 380 V
Speed	3575 & 2975 rpm	Service Factor	1.15 & 1.15
Frame	5010S	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	96.2 & 96.2 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	744 & 771 A	Power Factor	91.5
Duty	Continuous	Insulation Class	H
Design Code	B	KVA Code	G
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

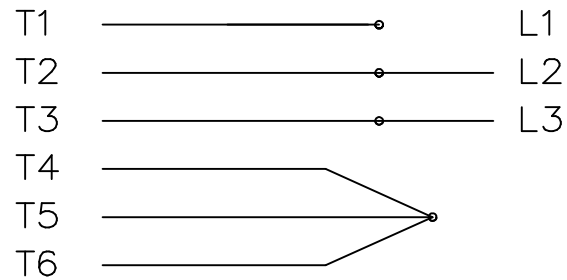
Electrical Type	Squirrel Cage Induction Run	Starting Method	Wye Start Delta Run
Poles	2	Rotation	Reversible
Resistance Main	.02 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	S	Shaft Diameter	2.875 in
Assembly/Box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

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:06/23/2023

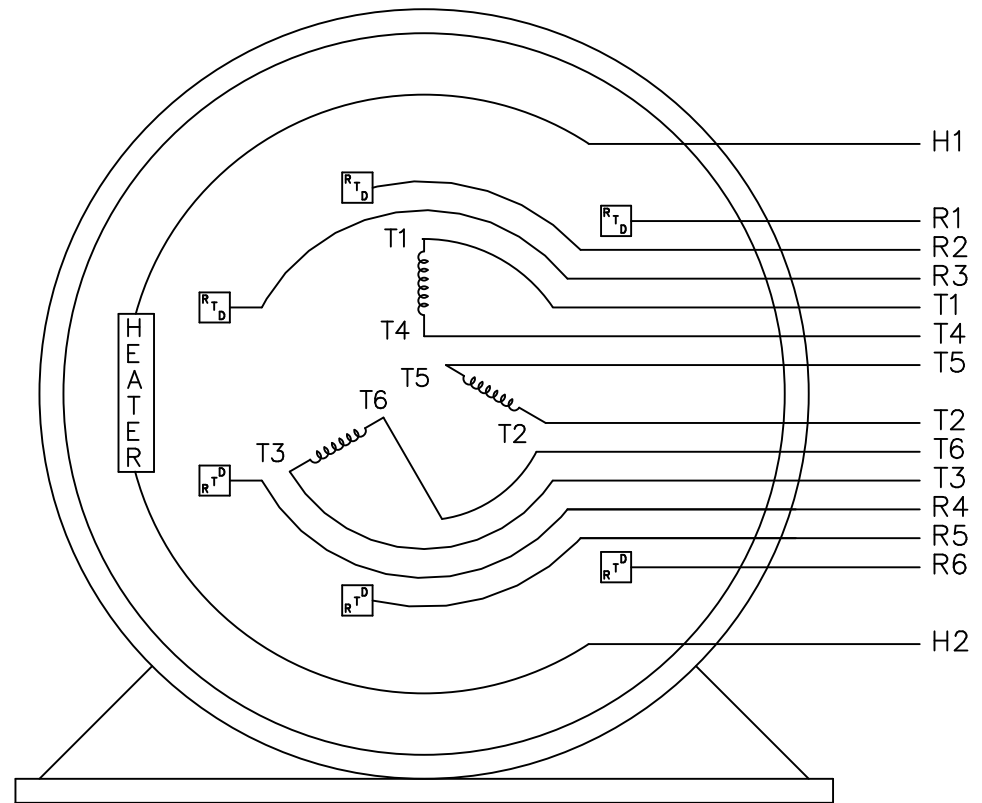
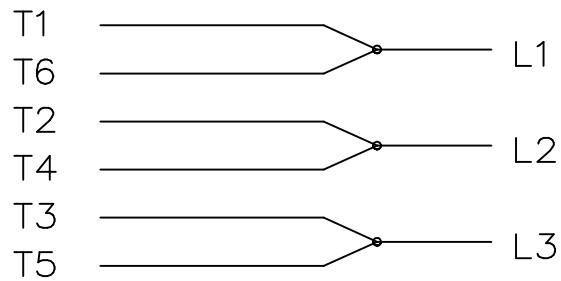


THREE PHASE – Y START Δ RUN MOTOR


START



RUN



VIEW OF TERMINAL END

				TOLERANCES UNLESS SPECIFIED			DRAWN KL 05-13-2002				
				DEC.	INCHES		CHK	DJK	05-13-2002		
				.X	±.1		APPD EAB 05-13-2002				
				.XX	±.02		TITLE CONNECTION DIAGRAM – EXTERNAL 3Ø SINGLE VOLTAGE – WYE START DELTA RUN				
				.XXX	±.005						SCALE 1=1
1	NEW DRAWING MU40890	KL 05-13-2002		.XXXX	±.0005	MAT'L.				REF	
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	
			DIST WA-LB-WP-SB								