PRODUCT INFORMATION PACKET

Marathon® Motors

Model No: 100LTFC4544
Catalog No: 100LTFC4544
3,1800,TEFC,100L,3/60/230/460

RegalRexnord

marathon® Motors

Nameplate Specifications

Phase	3	Output HP	3 Hp
Output KW	2.2 kW	Voltage	230/460 V
Speed	1745 rpm	Service Factor	1.15
Frame	100L	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	87.5 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	7.8/3.9 A	Power Factor	80.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	J
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6206
UL	No	CSA	N
CE	Y	IP Code	55
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	6.34 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	IEC	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	B-SS620360	Connection Drawing	A-EE7308

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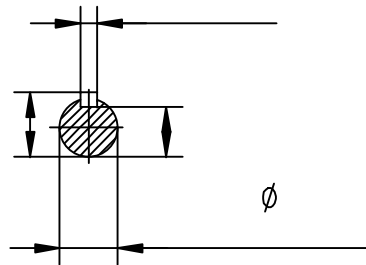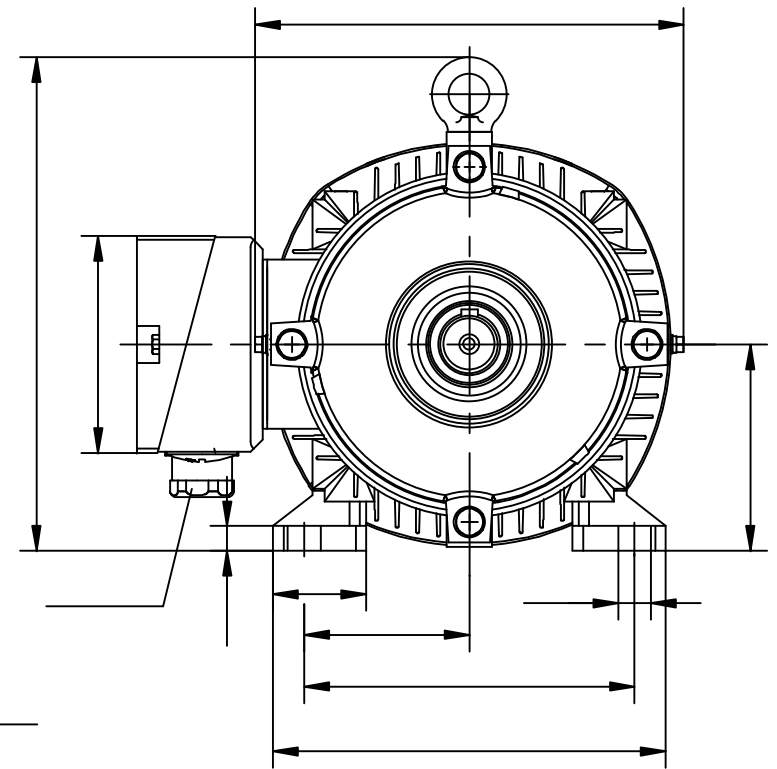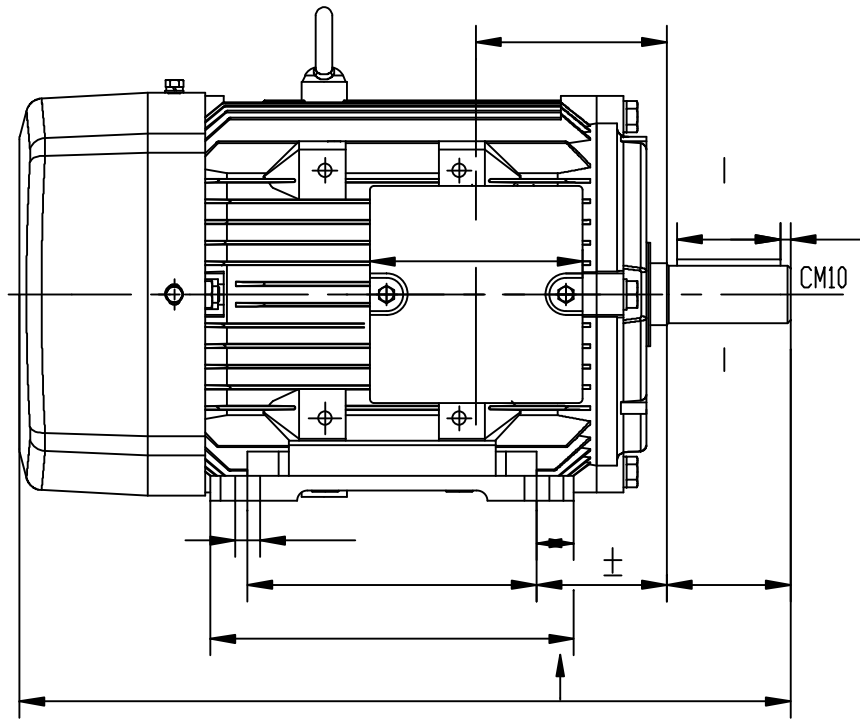
	TOLERANCES UNLESS SPECIFIED		REGAL REGAL-BELOIT CORPORATION	DRAWN ZYH 04-01-2011	
	DEC.	METRIC		CHK HZJ 04-01-2011	
	.X	±2.5		APPD CL 04-01-2011	
	.XX	±.76	TITLE OUTLINE Y2A 100L FR 2.4.6.8P IP55 ALUMINUM F1	SCALE	
	.XXX	±.127		REF	
	.XXXX	±.0127	MAT'L.	FMF HWADA	
NO.	REVISION	BY & DATE	CHK	ANG ±1/2	FINISH	PREV

RFP		CAD FILE SS620360	SIZE B	DRAWING NO. SS620360	REV.
DIST					

| | EE7308 |

THREE PHASE DUAL VOLTAGE MOTOR

HIGH VOLTAGE

(U1) T1 ———————●——— L1
(V1) T2 ———————●——— L2
(W1) T3 ———————●——— L3
(U2) T4 ———
(U3) T7 ———————●
(V2) T5 ———
(V3) T8 ———————●
(W2) T6 ———
(W3) T9 ———————●

LOW VOLTAGE

(U1) T1 ———
(U3) T7 ———————●——— L1
(V1) T2 ———
(V3) T8 ———————●——— L2
(W1) T3 ———
(W3) T9 ———————●——— L3
(U2) T4 ———
(V2) T5 ———————●
(W2) T6 ———

VIEW OF TERMINAL END

T1 (U1)
T4 (U2)
T9 (W3)
T7 (U3)
T8 (V3)
T6 (W2)
T5 (V2)
T2 (V1)
T3 (W1)

REF.
WINDING DIAGRAM

T8Y, T2Y, T2BL, T4BX, T2EC, T2G
T6BZ, T2B, T6BL, T4AV, T6B, T4B

OPTIONAL CORD CONNECTION

L1 ——— WHITE ———
L2 ——— RED ———
L3 ——— BLACK ———

NO.	REVISION	BY & DATE						
5	CHG TO REGAL LOGO	SL 09/10/2015	AB	DEC.	INCHES		DRAWN RM	11/20/1990
4	REVISED IEC NOTATIONS	MSG 11/15/2011	CMN	.X	±.1		CHK ML	11/21/1990
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG 5/10/2010	MJS	.XX	±.02	TITLE CONNECTION DIAGRAM	APPD SAS	04/24/2003
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005	3Ø – DUAL VOLTAGE MOTOR	SCALE	1=1
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005	MAT'L.	REF	
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH	FMF	

TOLERANCES UNLESS SPECIFIED

REGAL™ Regal Beloit America, Inc.

PREV

RFP	CAD FILE ee7308	SIZE	DRAWING NO. PAGE OF	REV.
DIST WP		A	EE7308	5