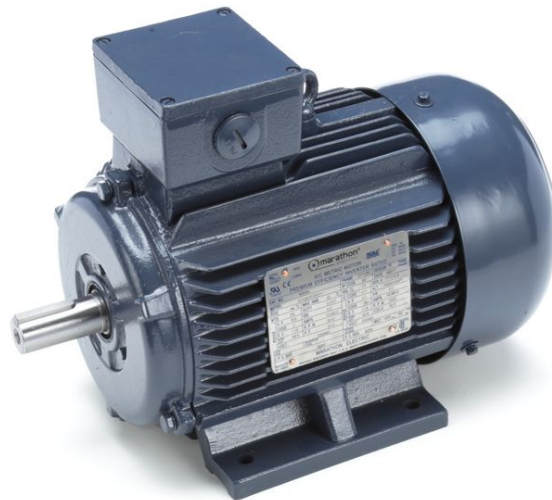


PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 112MTFC6512
Catalog No: R424A
5 1/2, 3600, TEFC, 112M, 3/60/575
TEFC



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REGAL



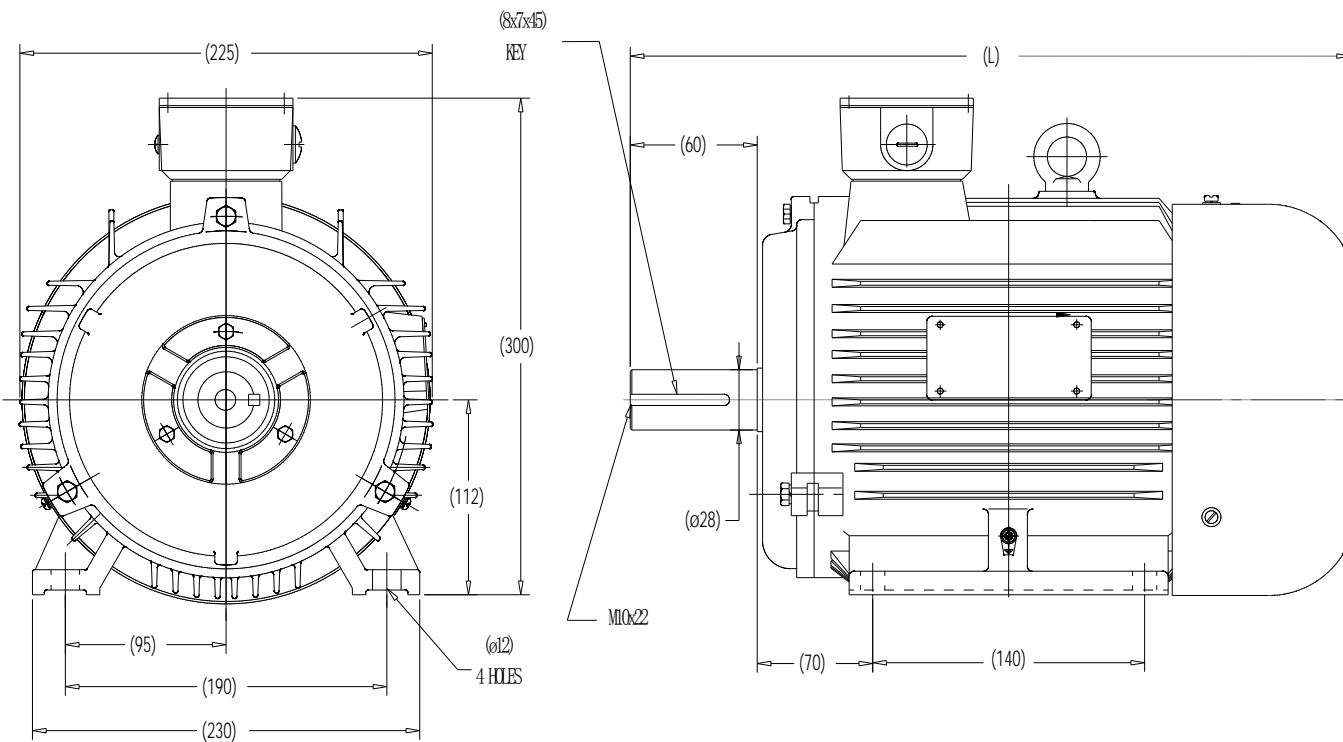
Nameplate Specifications

Output HP	5.5 Hp	Output KW	4.1 kW
Frequency	60 Hz	Voltage	575 V
Current	5.1 A	Speed	3510 rpm
Service Factor	1.15	Phase	3
Efficiency	89.5 %	Duty	CONTINUOUS
Insulation Class	F	Design Code	B
KVA Code	J	Frame	112M
Enclosure	TEFC	Overload Protector	NOT
Ambient Temperature	40 °C	Drive End Bearing Size	6206
Opp Drive End Bearing Size	6205	UL	Recognized
CSA	N	CE	Y
IP Code	54		

Technical Specifications


Electrical Type	SQ CAGE INV RATED	Starting Method	LINE OR INVERTER
Poles	2	Rotation	REV
Mounting	RIGID	Motor Orientation	HORIZONTAL OR SHAFT DOWN
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	CAST IRON	Shaft Type	STANDARD IEC
Overall Length	18.42 in	Shaft Diameter	1.11 in
Shaft Extension	2.36 in	Assembly/Box Mounting	F3
Outline Drawing	SS622368-193306	Connection Diagram	5102.01

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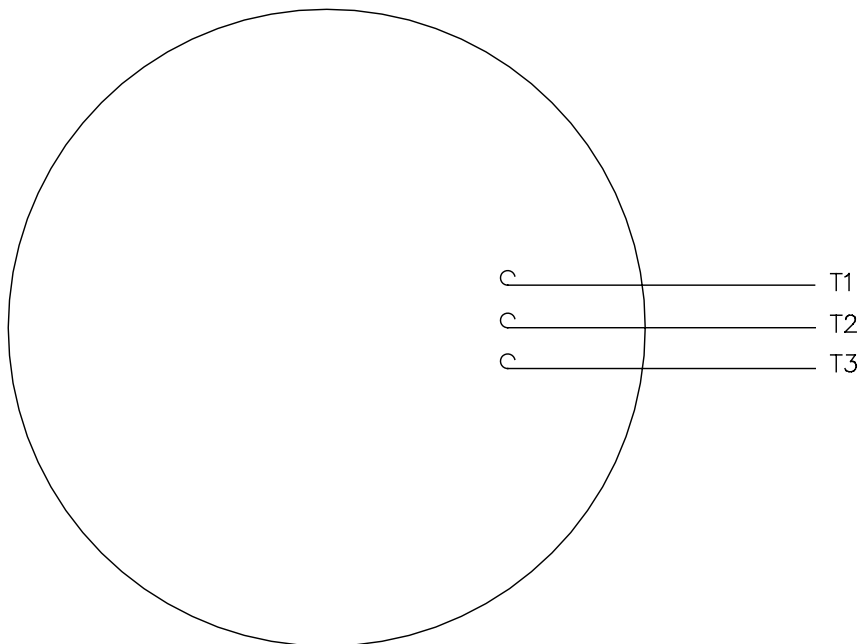
PART NO.	FRAME	L
193306.60	C20-112M-2	410
193307.60	C20-112M-4	410
193302.60	C20-112M-6	468

DRAWING NOT TO SCALE

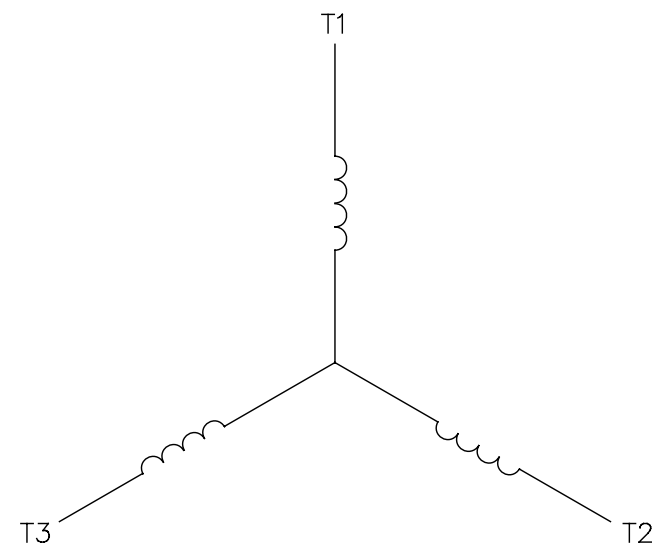
DRAWING REVISION F	REVISION BY W. JOERGER	DATE 08-20-2016	TOLERANCES UNLESS OTHERWISE SPECIFIED:	DRAWN BY MOL	 Regal Beloit America, Inc.
ECO ECO-0108079	APPROVED BY E. HEIL	DATE 08-20-2016	DEC. INCH. mm ANGLE .X ±0.1 [±2.5] ±7° 30' .XX ±0.03 [±0.76] .XXX ±0.005 [±0.127] .XXXX ±0.0005 [±0.0127]	DATE 04-12-2012	
ECO DESCRIPTION 193307.60 FRAME WAS C20-112M1-6			REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381] X 45° CORNER FILLETS: R.02 [.51]	APPROVED BY SB	
<small>COPYRIGHT REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.</small>			MACHINED SURFACES: 200 INCH 5.1 mm mm SHOWN IN [BRACKETS]	DATE 04-12-2012	
			THIRD ANGLE PROJECTION	REFERENCE	DESCRIPTION OUTLINE IEC 112M - 2,4,6 - TEFC
			SIZE B	DRAWING NUMBER SS622368	MATERIAL PROCESS/FINISH
					SHEET 1 OF 1

005102-01


VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



LINE LEADS

CONNECT LEADS AS FOLLOWS
FOR FOUR CONDUCTOR CORD ()

CORD	L1 (RED)	L2 (WHITE)	L3 (BLACK)	(GREEN)
MOTOR	T1	T2	T3	GROUND

				TOLERANCES UNLESS SPECIFIED		 Regal Beloit America, Inc.			DRAWN	JRW 9/11/75	
				DEC.	INCHES				CHK		
				.X	±.1				APPD	JCW 9/11/75	
08	UPDATED TO REGAL LOGO	SAJ 06/26/15	AJY	.XX	±.01	TITLE EXTERNAL WIRING DIAGRAM TYPE "T" W/O PROTECTOR			SCALE	1=1	
07	UPDATED TO CURRENT STANDARDS	DBT 5/30/97		.XXX	±.005				REF	W-T6343-6	
06	REDRAWN ON CAD; ADDED DECAL NUMBER	SAW 1/24/95		.XXXX	±.0005	MAT'L. DECAL - 004169			FMF	6T17FB7	
NO.	REVISION	BY & DATE	CHK	ANG	±1/2*	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	5/1/02	CAD FILE 00510201		SIZE	DRAWING NO.		REV.
				DIST BRF-NLV				A	005102-01		08

CERTIFICATION DATA SHEET

Model#: 112MTFC6512 AA **WINDING#:** T08702015 NONE 4
CONN. DIAGRAM: 005102.01 **ASSEMBLY:** F3
OUTLINE: SS622368

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
5 1/2	4.1	3600	3510	112M	TEFC	J	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	575	5.1	LINE OR INVERTER	CONTINUOU S	F2	1.15	40	3300

FULL LOAD EFF: 89.5	3/4 LOAD EFF: 90.2	1/2 LOAD EFF: 90.2	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 91	3/4 LOAD PF: 88.5	1/2 LOAD PF: 81.5	87.5	SQ CAGE INV RATED	1.5

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
8.2 LB-FT	40.4	17.7 LB-FT 215	26.4 LB-FT 322	64

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
44.5 dBA	54.5 dBA	0.12 LB-FT^2	- LB-FT^2	15 SEC.	2	110 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL OR SHAFT DOWN	TRUE	NONE	FALSE	NONE	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE	POLYREX EM	STANDARD IEC	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
BALL	BALL						
6206	6205						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs	NONE	FALSE	NONE VOLTS
NONE	NOT	NONE	NONE			

If Inverter equals NONE, contact factory for further information

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INVERTER TORQUE: CONSTANT 20:1		
INV. HP SPEED RANGE: 1.5 X BASE SPEED		
ENCODER: NONE		
NONE	NONE	
NONE	NONE	PPR
BRAKE: NONE NONE		
NONE	P/N	NONE
NONE	NONE	
NONE FT-LB	NONE V	NONE Hz

DATE: 06/22/2017 04:29:58 AM
 FORM 3531 REV.3 02/07/99
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