

PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 213TTFW16008
Catalog No: C389A
7 1/2,3600,TEFC,213TC,3/60/230/460
Totally Enclosed Fan Cooled (TEFC)



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REGAL[®]



Nameplate Specifications

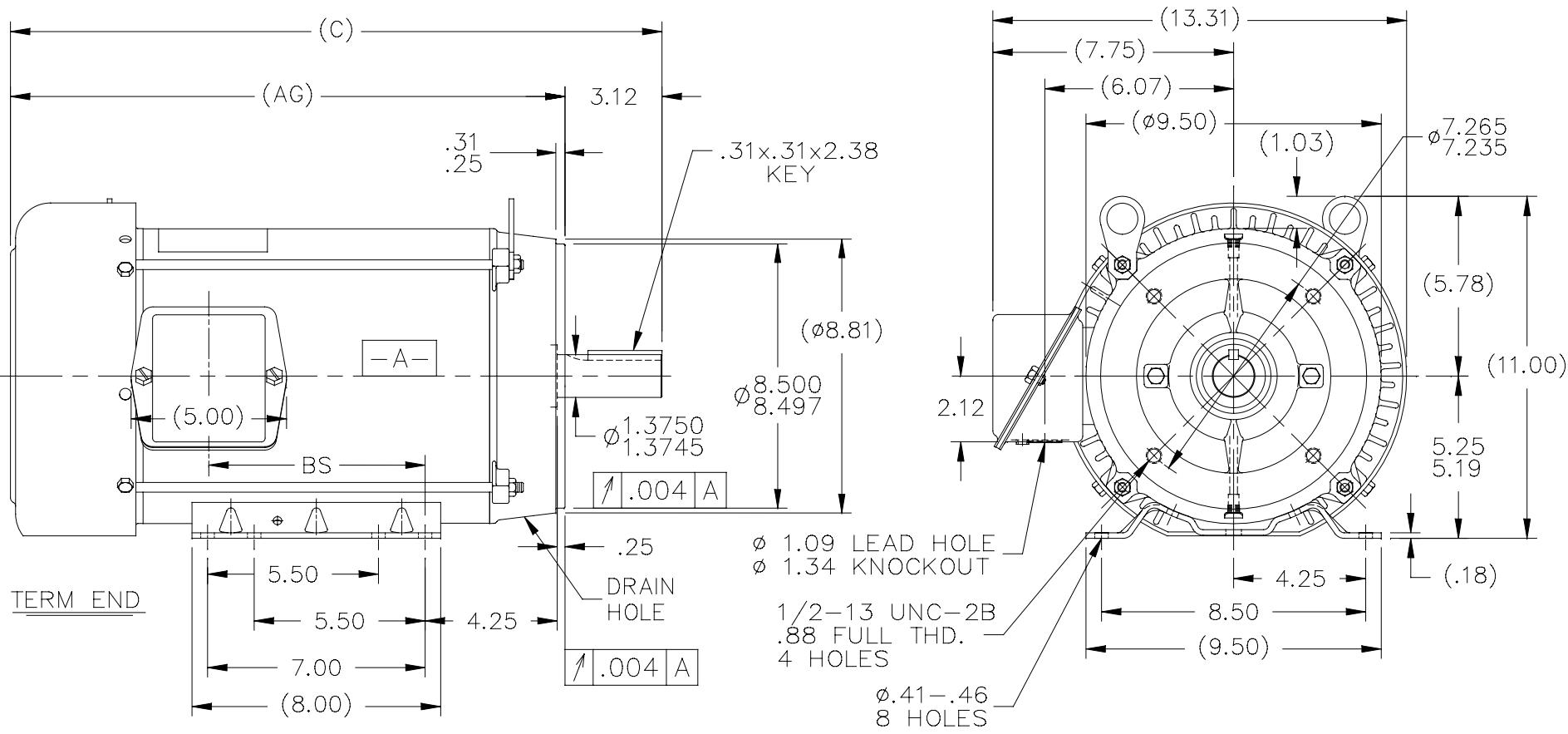
Output HP	7.50 Hp	Output KW	5.6 kW
Frequency	60 Hz	Voltage	230/460 V
Current	17.8/8.9 A	Speed	3540 rpm
Service Factor	1.15	Phase	3
Efficiency	90.2 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	H	Frame	213TCV
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6309
Opp Drive End Bearing Size	6206	UL	Recognized
CSA	Y	CE	Y
IP Code	43		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	Horizontal Or Up Or Down
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	T
Overall Length	20.97 in	Frame Length	11.15 in
Shaft Diameter	1.375 in	Shaft Extension	3.12 in
Assembly/Box Mounting	F1/F2 Capable		
Outline Drawing	A-SS88652-1115	Connection Diagram	A-EE7308

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SS88652



- NOTES:
1. NAMEPLATE TO BE READ FROM C'BOX SIDE OF MOTOR.
 2. BOX CAN BE MOUNTED IN 90° STEPS.
 3. BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180° (EXCEPT AS NOTED.)
 4. BASE IS REMOVABLE.
 5. PROVISIONS ONLY FOR DRIP COVER.

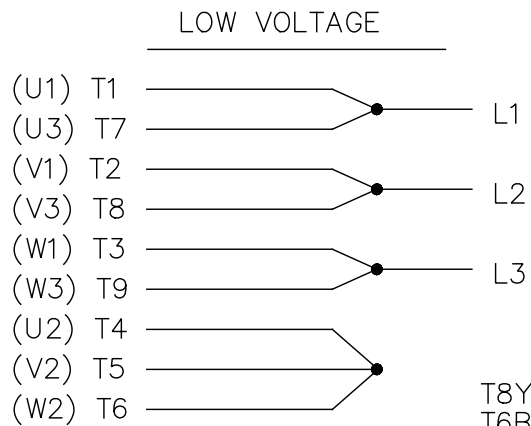
DASH	FR.	C	AG	BS	MOUNTING
965	213T	19.47	16.35	5.43	
1115	213/15T	20.97	17.85	6.93	
1240	213/15T	22.22	19.10	8.18	F1 ONLY

NO.	REVISION	BY & DATE	CHK	ANG	FINISH	TOLERANCES UNLESS SPECIFIED	DEC.	INCHES	DRAWN NJS 05-01-2002	
										RFP
5	TITLE BLOCK LOGO CHANGE PER ECO-0078542	MDV 06/09/2015							CHK ML 05-02-2002	
4	UPDATED DRAWING	TJW 05/04/2007		.X	±.1				APPD DR 05-02-2002	
3	RELOCATED DRAIN HOLE CN 35571	DRS 12-02-2002	ML	.XX	±.03				SCALE 1=5	
2	ADDED DRAIN HOLE CN 31828	MSG 09-23-2002		.XXX	±.005				REF	
1	NEW DRAWING MU41351	NJS 05-03-2002	DR	.XXXX	±.0005				FMF	
					±7'30"				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 ss88652	A	SS88652	5
						DIST	LB			



EE7308

THREE PHASE
DUAL VOLTAGE MOTOR



VIEW OF TERMINAL END

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	CHK	ANG	TOLERANCES UNLESS SPECIFIED		FINISH	DRAWN RM 11/20/1990				
					DEC.	INCHES						
5	CHG TO REGAL LOGO	SL 09/10/2015	AB					CHK ML 11/21/1990				
4	REVISED IEC NOTATIONS	MSG 11/15/2011	CMN	.X	±.1			APPD SAS 04/24/2003				
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG 5/10/2010	MJS	.XX	±.02		TITLE CONNECTION DIAGRAM	SCALE 1=1				
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005		3Ø - DUAL VOLTAGE MOTOR	REF				
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005		MAT'L.	FMF				
					±7'30"			PREV				
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							DIST WP					



CERTIFICATION DATA SHEET

Model#: 213TTFW16008 AA **WINDING#:** K213269 R3 1
CONN. DIAGRAM: A-EE7308 **ASSEMBLY:** F1/F2 CAPABLE
OUTLINE: A-SS88652-1115

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
7 1/2&5	5.6&3.7	3600	3540&2955	213TCV	TEFC	H	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/ 380	17.8/8.9&15/7. 5	ACROSS THE LINE	CONTINUOU S	F4	1.15/1.15	40	3300

FULL LOAD EFF: 90.2&89.5	3/4 LOAD EFF: 89.5	1/2 LOAD EFF: 86.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
			89.5	SQ CAGE IND RUN	6 / 3

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
11.1 LB-FT	127 / 63.5	24 LB-FT 216	38 LB-FT 342	40

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
72 dBA	82 dBA	0.55 LB-FT^2	12 LB-FT^2	15 SEC.	2	140 LBS.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL OR UP OR DOWN	FALSE	NONE	PROVISIONS ONLY	NONE	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL 6309	BALL 6206	POLYREX EM	T	NONE	NONE	AISI 1045 (C-240)	ROLLED STEEL

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

If Inverter equals NONE, contact factory for further information

INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE
ENCODER: NONE
NONE NONE
NONE NONE PPR
BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
- FT-LB NONE V NONE Hz

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