

PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 213TTWR4027

Catalog No: N318

General Purpose Motor, 7.50 & 5 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 & 1500 RPM,
213T Frame, TEFC

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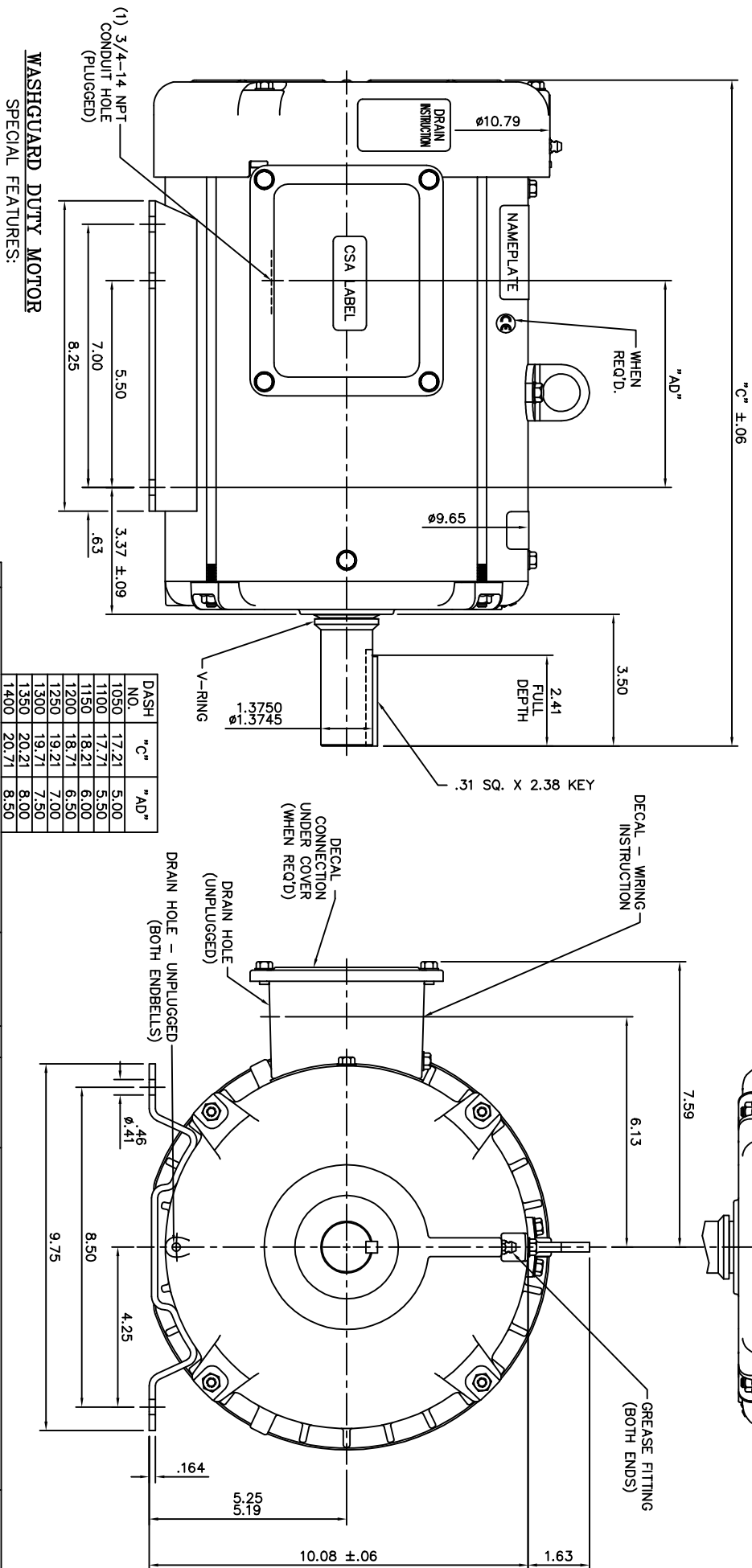
Nameplate Specifications

Phase	3	Output HP	7.50 & 5 Hp
Output KW	5.6 & 3.7 kW	Voltage	230/460 & 190/380 V
Speed	1760 & 1450 rpm	Service Factor	1.15 & 1.15
Frame	213T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	89.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	22/11 & 18/9 A	Power Factor	72
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	H
Drive End Bearing Size	6209	Opp Drive End Bearing Size	6206
UL	Recognized	CSA	Y
CE	Y	IP Code	55
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	1.228 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	17.21 in
Frame Length	10.50 in	Shaft Diameter	1.375 in
Shaft Extension	3.38 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	005010.01ME	Outline Drawing	037641-1050

037641



DASH NO.	"C"	"AD"
1050	17.21	5.00
1100	17.71	5.50
1130	18.21	6.00
1200	18.71	6.50
1250	19.21	7.00
1300	19.71	7.50
1350	20.21	8.00
1400	20.71	8.50

WASHGUARD DUTY MOTOR

SPECIAL FEATURES:

- 1) BUNA-N GASKETS THROUGHOUT
- 2) SHAFT SEALS - BOTH ENDS OF MOTOR
- 3) V-RING AT SHAFT END OF MOTOR
- 4) STAINLESS STEEL SHAFT, NAMEPLATE & HARDWARE
- 5) FDA APPROVED EPOXY PAINT
- 6) PLUGGED DRAIN HOLES IN FRAME
- 7) AT 3:00, 9:00 & 12:00
- 8) DRAIN HOLES IN CONDUIT BOX, PLUGGED IN TOP HOLE
- 9) DRAIN HOLES IN BOTH ENDBELLS AT 6:00

NO.		REVISION		BY & DATE	
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UNL	DESIGNED	DEC.	INCHES	TITLE	
X	±.1	X	±.03	OUTLINE - 210T FRAME	
XXX	±.006	XXX	±.006	TEFC - RIGID	
XXXX	±.0006	MATL	FINISH	WASHGUARD	
CHK	ANG	±1/2"	CAD FILE	037641	
RPP	DIST		SIZE	DRAWING NO. 037641	
				REV.	

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



VOLTAGE	L1	L2	L3	JOIN & INSULATE
HIGH	T1	T2	T3	(T4,T7) (T5,T8) (T6,T9)
LOW	T1,T7	T2,T8	T3,T9	T4,T5,T6

		TOLERANCES UNLESS SPECIFIED		DRAWN RDW 04/12/02					
		DEC.	INCHES	CHK					
		.X	±.1	APPD					
		.XX	±.01	SCALE 1=1					
		.XXX	±.005	REF FIG.2-51					
		.XXXX	±.0005	FMF					
NO.	REVISION	BY & DATE	CHK	ANG	FINISH	PREV			
				±1/2'					
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			DIST				A	005010-01ME	



TITLE EXTERNAL WIRING DIAGRAM
3 PHASE W/O PROTECTOR
MAT'L. DECAL - 004014