marathon®

Washdown Motors

Model No: 215TTWRD6027
Catalog No: 140820.00M

Washdown Motor, 10 & 7.50 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 1800 RPM, 215T Frame, TEFC

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Product Information Packet: Model No: 215TTWRD6027, Catalog No: 140820.00M Washdown Motor, 10 & 7.50 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 1800 RPM, 215T Frame, TEFC

Nameplate Specifications

Phase	**3**	Output HP	**10 & 7.50 Hp**
Output KW	**7.5 & 5.6 kW**	Voltage	**208-230/460 & 190/380 V**
Speed	**1760 & 1475 r/min**	Synchronous RPM	**1800 & 1500 r/min**
Service Factor	**1.15 & 1.00**	Frame	**215T**
Enclosure	**Totally Enclosed Fan Cooled**	Thermal Protection	**No Protection**
Efficiency	**91.7 & 89.5 %**	Ambient Temperature	**40 °C**
Frequency	**60 & 50 Hz**	Current	**27.8-26.4/13.2 & 27.4/13.7 A**
Power Factor	**77.5**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**H**	Drive End Bearing Size	**6309**
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 Inverter Rated**	Starting Method	**Line Or Inverter**
Poles	**4**	Rotation	**Reversible**
Resistance Main	**.9 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Rolled Steel**
Shaft Type	**T**	Overall Length	**19.54 in**
Frame Length	**11.15 in**	Shaft Diameter	**1 3/8 in**
Shaft Extension	**3.47 in**	Assembly/Box Mounting	**F1/F2 Capable**
Inverter Load	**Constant 10:1**		

Drawings

Connection Drawing	**005010.01ME**	Outline Drawing	**038034-1115**

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Data Sheet

Date: 12/5/2018
Customer:
Attention:
Submitted by: FAREEDA DUDEKULA

marathon® electric

215TTWRD6027

Submittal

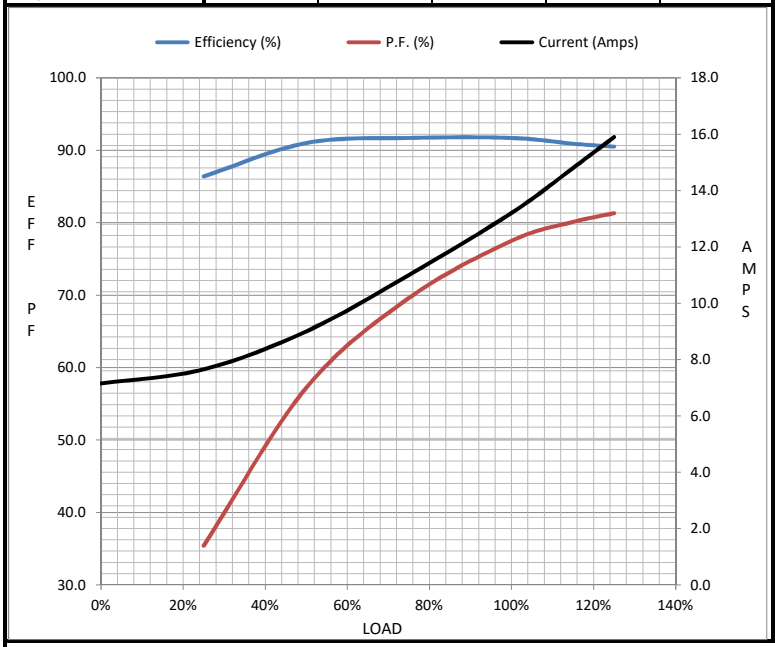
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	7.2	7.7	9.0	11.0	13.2	14.8	15.9	81.0	
Torque (ft-lb)	0.00	7.3	14.8	22.3	29.9	34.5	37.6	76.0	
RPM	1800	1790	1780	1770	1760	1,754	1747	0	
Efficiency (%)		86.4	91.0	91.7	91.7	90.9	90.5		
P.F. (%)	4.8	35.4	57.2	69.6	77.5	80.1	81.3	42.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1575	1760	1800
Current (Amps)	81.0	78.0	51.0	13.2	7.2
Torque (ft-lb)	76.0	70.0	90.0	29.9	0.00



Information Block

HP	10.0	
Sync. RPM	1800	
Frame	215	
Enclosure	TEFC	
Construction	TFR	
Voltage	208-230/460#190/380	V
Frequency	60	Hz
Design	B	
LR Code letter	H	
Service Factor	1.15	
Temp Rise @ FL	65	° C
Duty	CONT	
Ambient	40	° C
Elevation	1,000	feet
Rotor/Shaft wk²	1.10	Lb-Ft²
Ref Wdg	K2154513 NONE	
Sound Pressure @ 1M	62	dBA
VFD Rating	CONSTANT 10:1	
Outline Dwg	038034-1115	
Conn. Diag	005010.01	
Additional Specifications:		
0		
0		

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.5840	0.5050	1.7640	2.1360	36.0320

