marathon®

Washdown Motors

Model No: 213TTWWD16026
Catalog No: 141270.00M

Washdown Motor, 7.50 & 5 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 RPM, 213JM Frame, TEFC

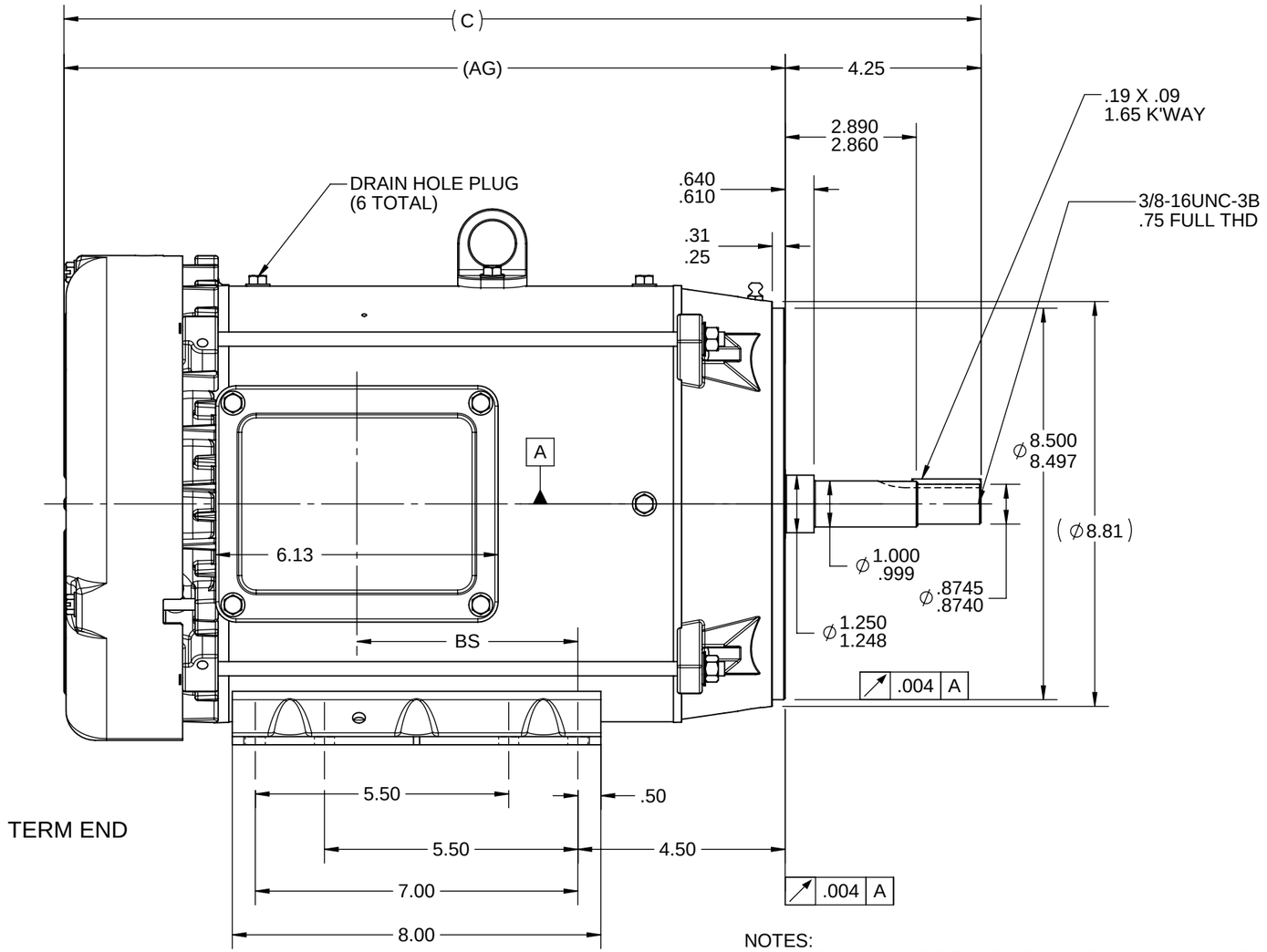
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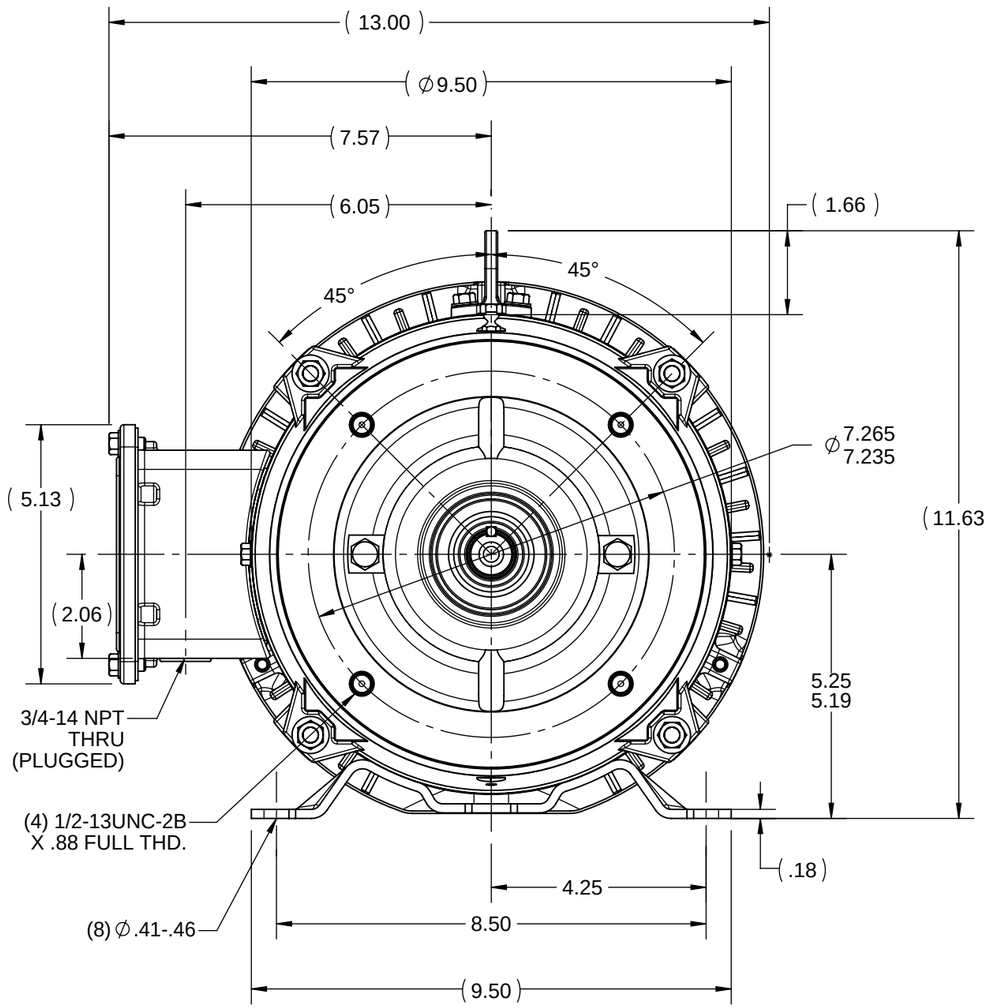
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Product Information Packet: Model No: 213TTWWD16026, Catalog No: 141270.00M Washdown Motor, 7.50 & 5 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 RPM, 213JM Frame, TEFC

Nameplate Specifications			
Phase	**3**	Output HP	**7.50 & 5 Hp**
Output KW	**5.6 & 3.7 kW**	Voltage	**230/460 & 190/380 V**
Speed	**1765 & 1475 r/min**	Synchronous RPM	**1800 & 1500 r/min**
Service Factor	**1.15 & 1.15**	Frame	**213JM**
Enclosure	**Totally Enclosed Fan Cooled**	Thermal Protection	**No Protection**
Efficiency	**91.7 & 90.2 %**	Ambient Temperature	**40 °C**
Frequency	**60 & 50 Hz**	Current	**19.6/9.8 & 16.6/8.3 A**
Power Factor	**78.3**	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	**1.18 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Rolled Steel**
Shaft Type	**JM**	Overall Length	**21.4 in**
Frame Length	**11.15 in**	Shaft Diameter	**1 in**
Shaft Extension	**4.50 in**	Assembly/Box Mounting	**F1 Only**
Inverter Load	**Constant 10:1**		
Drawings			
Connection Drawing	**005010.01ME**	Outline Drawing	**038046-965**

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NOTES:
1- NAMEPLATE TO BE READ FROM C'BOX SIDE OF MOTOR.
DASH 965 TO BE READ FROM OPPOSITE SHAFT END
2- C'BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING
BRACKETS AND TURNING FRAME 180 DEGREES (EXCEPT AS NOTED).

DASH	FRAME	C	BS	AG	MOUNTING
965	213JM	21.40	4.82	15.65	
1115	213/15JM	22.90	6.32	17.15	
1240	215JM	24.15	7.57	18.40	F1 ONLY

DRAWING REVISION	REVISION BY	REV DATE/© DATE
C	SB	05/18/2026
REQUEST NUMBER	APPROVED BY	DATE
CR-0026308	RMS	05/18/2026

REQUEST NUMBER DESCRIPTION
DRAWING TITLE BLOCK UPDATED

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TOLERANCES (EXCEPT AS NOTED):

DEC.	INCH	mm	ANGLE
.X	±0.1	[±3]	±0.5°
.XX	±0.03	[±0.8]	
.XXX	±0.005	[±0.13]	
.XXXX	±0.0005	[±0.013]	

REMOVE BURRS & BREAK SHARP
EDGES: .003/.015 [.08/.38] X 45°
CORNER FILLETS: R.02 [.5]
MACHINED SURFACES: 125 INCH / 3.2 mm
mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY

DRAWN BY	DESCRIPTION
SYED	OUTLINE
DATE	WASHDOWN 210FR-TEFC-C-FACE-3PH
10/14/15	
APPROVED BY	
SR	
DATE	
10/14/15	
REFERENCE	MATERIAL / PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE B / DRAWING NUMBER 038046 / SHEET 1 OF 1

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Data Sheet

Date: 12/10/2018
Customer:
Attention:
Submitted by: FAREEDA DUDEKULA

marathon® electric

213TTWWD16026

Submittal

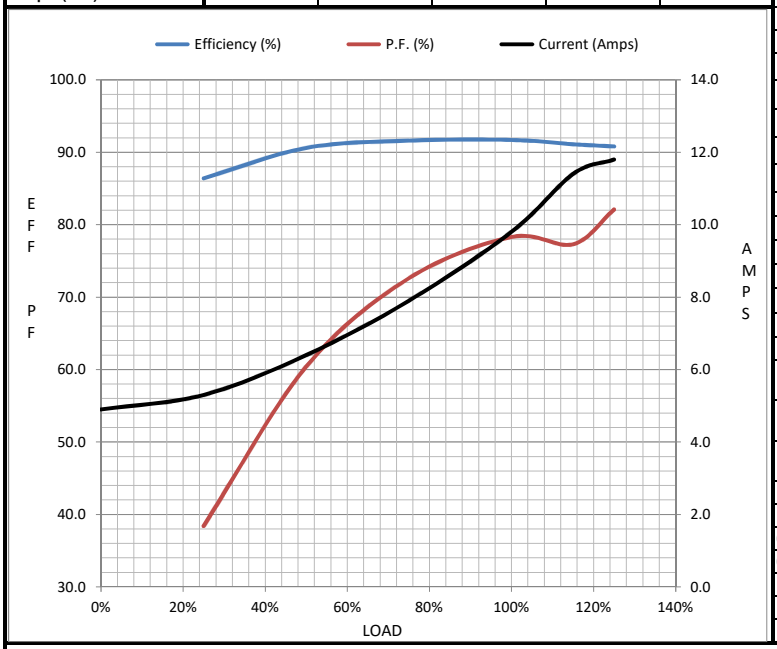
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	4.9	5.3	6.4	7.9	9.8	11.4	11.8	67.5	
Torque (ft-lb)	0.00	5.5	11.0	16.6	22.3	25.5	28.0	52.9	
RPM	1800	1792	1785	1775	1765	1,765	1762	0	
Efficiency (%)		86.4	90.6	91.6	91.7	91.1	90.8		
P.F. (%)	4.9	38.4	60.4	72.6	78.3	77.3	82.1	42.6	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1600	1765	1800
Current (Amps)	67.5	57.0	41.0	9.8	4.9
Torque (ft-lb)	52.9	49.0	75.0	22.3	0.00



Information Block

HP	7.5	
Sync. RPM	1800	
Frame	213	
Enclosure	TEFC	
Construction	TFR	
Voltage	230/460#190/380	V
Frequency	60	Hz
Design	B	
LR Code letter	H	
Service Factor	1.15	
Temp Rise @ FL	55	° C
Duty	CONT	
Ambient	40	° C
Elevation	1,000	feet
Rotor/Shaft wk²	0.85	Lb-Ft²
Ref Wdg	K2134279 R1	
Sound Pressure @ 1M	62	dBA
VFD Rating	NONE	
Outline Dwg	038051-1115	
Conn. Diag	005010.01ME	
Additional Specifications:		
0		
0		

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.7600	1.1080	2.4580	3.1730	50.4140

Speed -Torque Curve

