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Washdown Motors

Model No: 215TTWRD6026
Catalog No: 140821.00M

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

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Product Information Packet: Model No: 215TTWRD6026, Catalog No: 140821.00M Washdown Motor, 10 & 7.50 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 1800 RPM, 215TC 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	**215TC**
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**

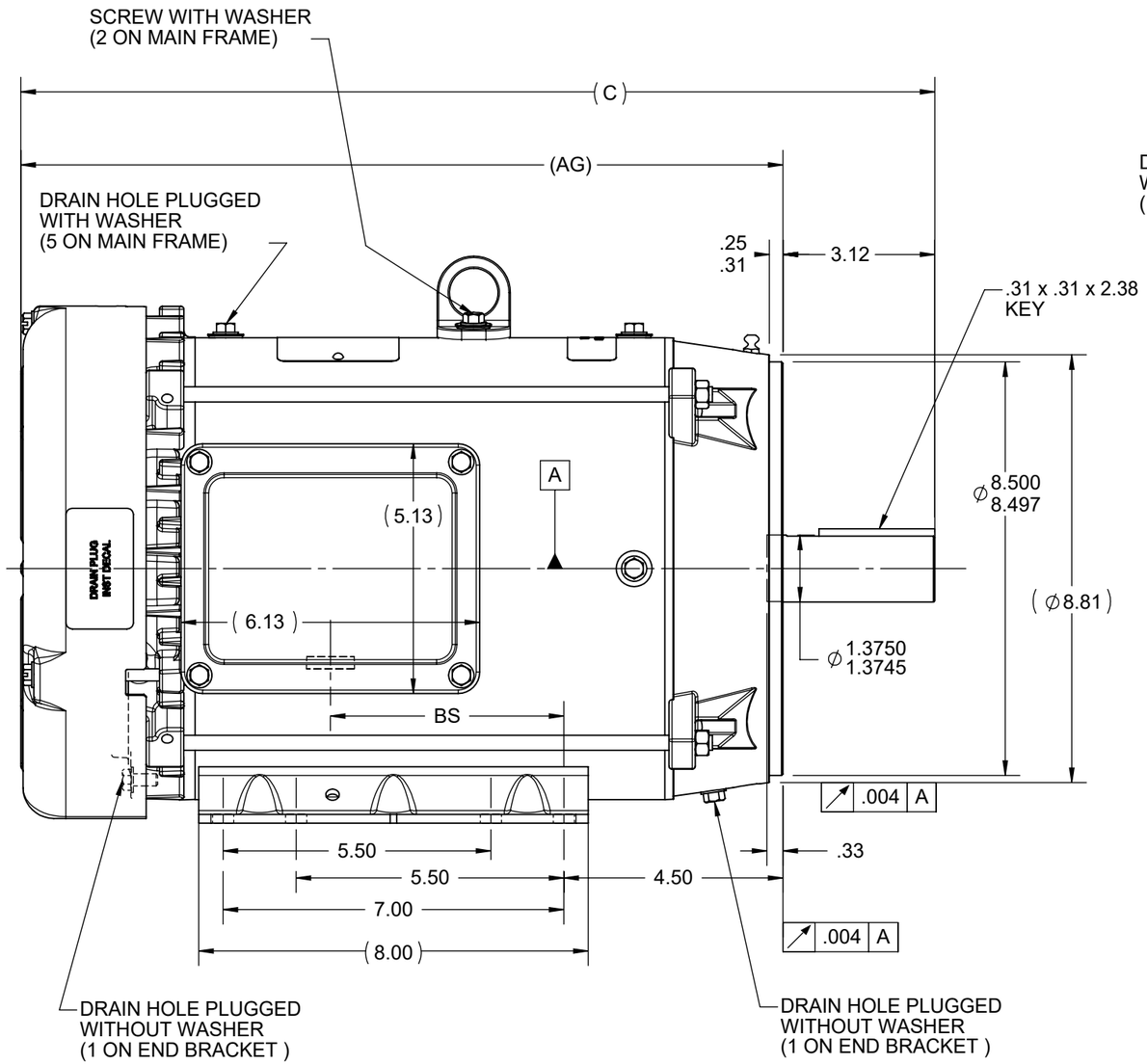
Technical Specifications

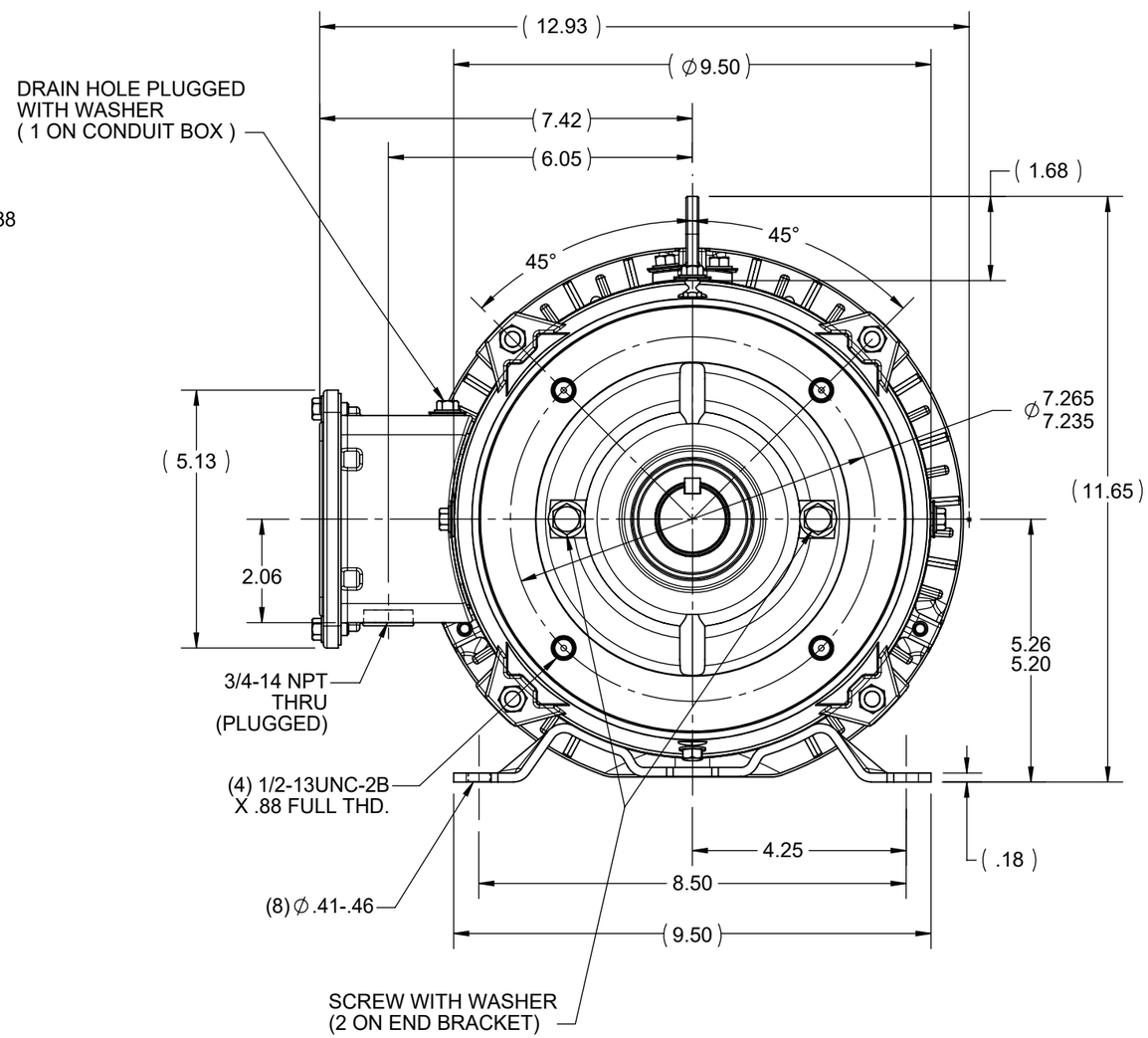
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Line Or Inverter**
Poles	**4**	Rotation	**Reversible**
Resistance Main	**.9 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Rolled Steel**
Shaft Type	**T**	Overall Length	**20.27 in**
Frame Length	**11.15 in**	Shaft Diameter	**1 3/8 in**
Shaft Extension	**3.12 in**	Assembly/Box Mounting	**F1/F2 Capable**
Inverter Load	**Constant 10:1**		

Drawings

Connection Drawing	**005010.01ME**	Outline Drawing	**038033-1115**

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NOTES:
1- NAMEPLATE 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	AG	BS
965	213TC/215TC	18.77	15.65	4.82
1115		20.27	17.15	6.32
1240		21.52	18.40	7.57

DRAWING REVISION	REVISION BY	REV DATE/© DATE
C	BHUVAN	11/12/2024
REQUEST NUMBER	APPROVED BY	DATE
NMR-0235131	VS	11/12/2024
REQUEST NUMBER DESCRIPTION: VIEWS UPDATED		

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TOLERANCES (EXCEPT AS NOTED):

DEC.	INCH	mm	ANGLE
.X	±0.1	[±3]	±7' 30"
.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: 200 / INCH 5.1 / mm
mm DIMENSIONS IN [BRACKETS]
ARE FOR REFERENCE ONLY

DRAWN BY	SS
DATE	08/20/15
APPROVED BY	JD
DATE	08/20/15
REFERENCE	
THIRD ANGLE PROJECTION	

marathon™

DESCRIPTION
OUTLINE
WASHDOWN 210FR-TEFC-C-FACE-3PH

MATERIAL | PROCESS/FINISH

SIZE B | DRAWING NUMBER 038033 | SHEET 1 OF 1

Uncontrolled Copy

Data Sheet

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

marathon® electric

213TTWRD6002

Submittal

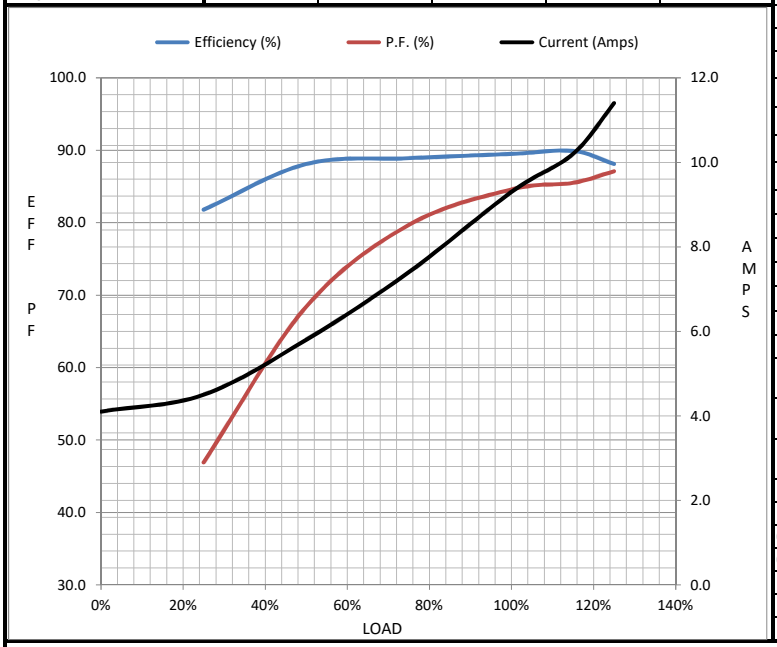
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	4.1	4.5	5.8	7.4	9.3	10.2	11.4	63.0	
Torque (ft-lb)	0.00	2.70	5.5	8.3	11.2	12.5	14.0	19.3	
RPM	3600	3585	3565	3545	3525	3,520	3505	0	
Efficiency (%)		81.8	88.1	88.9	89.5	89.9	88.1		
P.F. (%)	8.0	46.9	68.4	79.7	84.6	85.5	87.1	0.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	552	3130	3525	3600
Current (Amps)	63.0	60.0	38.0	9.3	4.1
Torque (ft-lb)	19.3	19.0	33.0	11.2	0.00



Information Block

HP	7.5
Sync. RPM	3600
Frame	213
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	55 ° C
Duty	CONT
Ambient	40 ° C
Elevation	1,000 feet
Rotor/Shaft wk²	0.55 Lb-Ft²
Ref Wdg	K2132124 NONE
Sound Pressure @ 1M	72 dBA
VFD Rating	CONSTANT 10:1
Outline Dwg	038033
Conn. Diag	005010.01
Additional Specifications:	
0	
0	

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
1.0550	0.5750	2.5440	1.4140	56.7000

Speed -Torque Curve

