

Washdown Motors

Model No: 184TTWW6003

Catalog No: 132306.00M

Washdown Motor, 7.50 & 5 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 RPM, 184T Frame,
TEFC

Product Information Packet: Model No: 184TTWW6003, Catalog No: 132306.00M Washdown Motor, 7.50 & 5 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 RPM, 184T Frame, TEFC

Nameplate Specifications

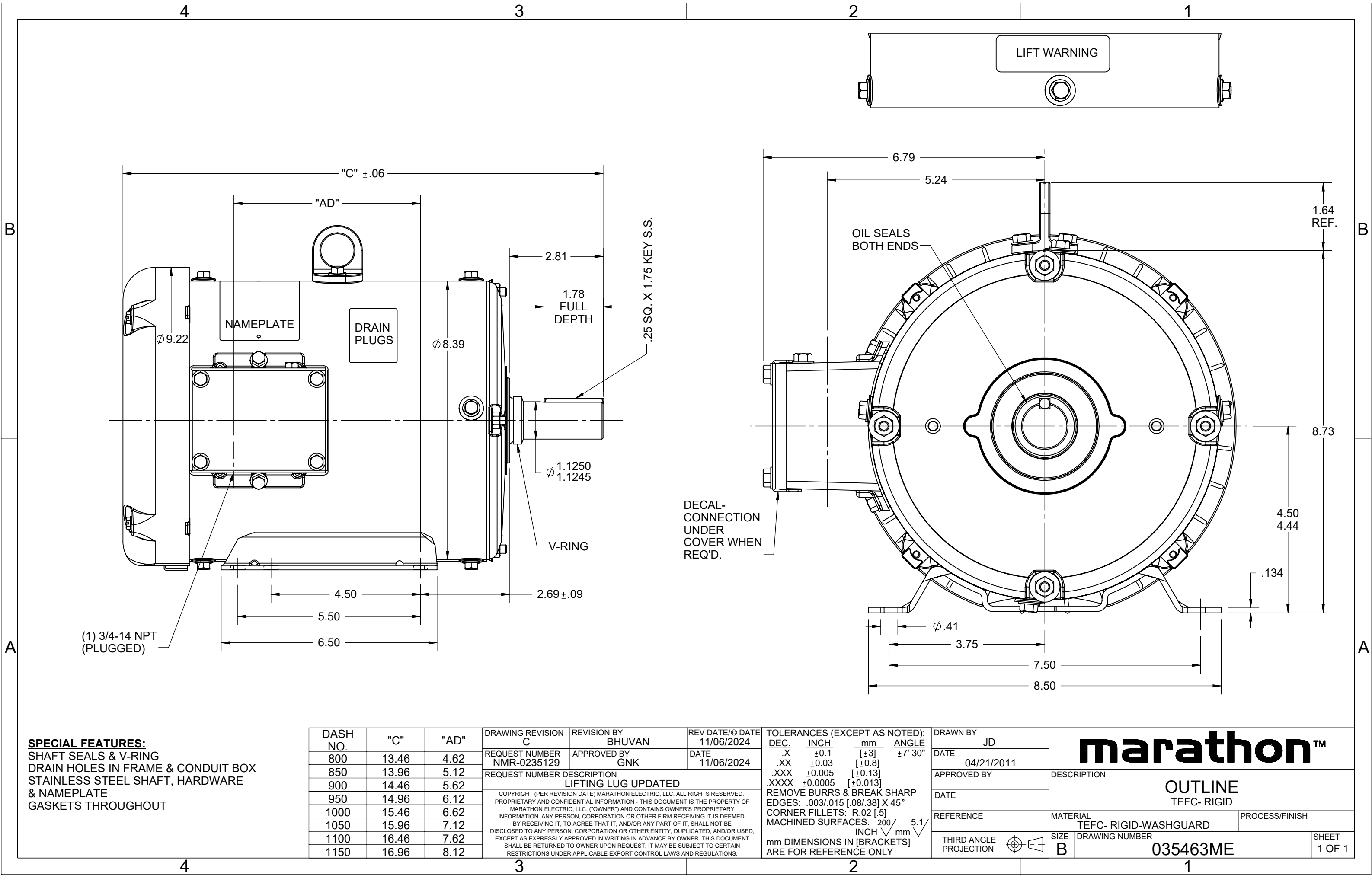
Phase	3	Output HP	7.50 & 5 Hp
Output KW	5.6 & 3.7 kW	Voltage	230/460 & 190/380 V
Speed	3510 & 2925 r/min	Synchronous RPM	3600 & 3000 r/min
Service Factor	1.15 & 1.15	Frame	184T
Enclosure	Totally Enclosed Fan Cooled	Thermal Protection	No Protection
Efficiency	90.1 & 90.2 %	Ambient Temperature	40 °C
Frequency	60 & 50 Hz	Current	17.6/8.8 & 15/7.5 A
Power Factor	88.4	Duty	Continuous
Insulation Class	F	Design Code	A
KVA Code	L	Drive End Bearing Size	6207
Opp Drive End Bearing Size	6205	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	2	Rotation	Selective Clockwise
Resistance Main	1.3 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	15.96 in
Frame Length	10.5 in	Shaft Diameter	1 1/8 in
Shaft Extension	2.81 in	Assembly/Box Mounting	F1 Only
Inverter Load	Constant 10:1		

Drawings

Connection Drawing	005010.01ME	Outline Drawing	035463ME-1050
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DASH NO.	"C"	"AD"	DRAWING REVISION C	REVISION BY BHUVAN	REV DATE/© DATE 11/06/2024	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]			DRAWN BY JD	marathon™					
800	13.46	4.62	REQUEST NUMBER NMR-0235129	APPROVED BY GNK	DATE 11/06/2024				DATE 04/21/2011						
850	13.96	5.12	REQUEST NUMBER DESCRIPTION LIFTING LUG UPDATED			REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45° CORNER FILLETS: R.02 [.5] MACHINED SURFACES: 200 INCH 5.1 mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY			APPROVED BY	DESCRIPTION OUTLINE TEFC- RIGID					
900	14.46	5.62							DATE						
950	14.96	6.12	COPYRIGHT (PER REVISION DATE) MARATHON ELECTRIC, LLC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF MARATHON ELECTRIC, LLC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.			THIRD ANGLE PROJECTION			DATE	MATERIAL TEFC- RIGID-WASHGUARD		PROCESS/FINISH			
1000	15.46	6.62							REFERENCE						
1050	15.96	7.12							SIZE B					DRAWING NUMBER 035463ME	
1100	16.46	7.62							SHEET 1 OF 1						
1150	16.96	8.12													

Data Sheet

Date: 12/5/2018

Customer: _____

Attention: _____

Submitted by: FAREEDA DUDEKULA

184TTWW6003



Submittal

Data @ 460 V

Motor Load Data

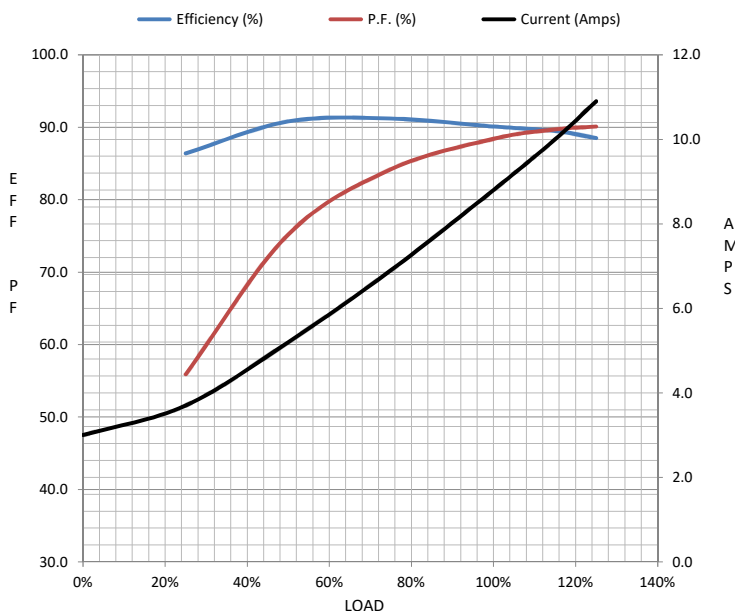
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	3.0	3.7	5.2	6.9	8.8	10.0	10.9	87.5	
Torque (ft-lb)	0.00	2.80	5.6	8.4	11.2	12.9	14.0	34.6	
RPM	3600	3579	3556	3535	3510	3,494	3482	0	
Efficiency (%)		86.4	90.8	91.2	90.1	89.5	88.5		
P.F. (%)	9.4	55.9	75.2	84.2	88.4	89.7	90.1	0.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	400	3312	3510	3600
Current (Amps)	87.5	80.5	52.5	8.8	3.0
Torque (ft-lb)	34.6	33.5	46.0	11.2	0.00

Information Block

HP	7.5			
Sync. RPM	3600			
Frame	184			
Enclosure	TEFC			
Construction	TFR			
Voltage	230/460#190/380 V			
Frequency	60 Hz			
Design	A			
LR Code letter	L			
Service Factor	1.15			
Temp Rise @ FL	70 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.22 Lb-Ft ²			
Ref Wdg	T82153 FR			
Sound Pressure @ 1M	0 dBA			
VFD Rating	CONSTANT 10:1			
Outline Dwg	035463ME-1050			
Conn. Diag	005010.01ME			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed -Torque Curve

