

Washdown Motors

Model No: 184TTWW6004

Catalog No: 132202.00M

Washdown Motor, 5 HP, 3 Ph, 60 Hz, 230/460 V, 3600 RPM, 184T Frame, TEFC

Product Information Packet: Model No: 184TTWW6004, Catalog No: 132202.00M Washdown Motor, 5 HP, 3 Ph, 60 Hz, 230/460 V, 3600 RPM, 184T Frame, TEFC

Nameplate Specifications

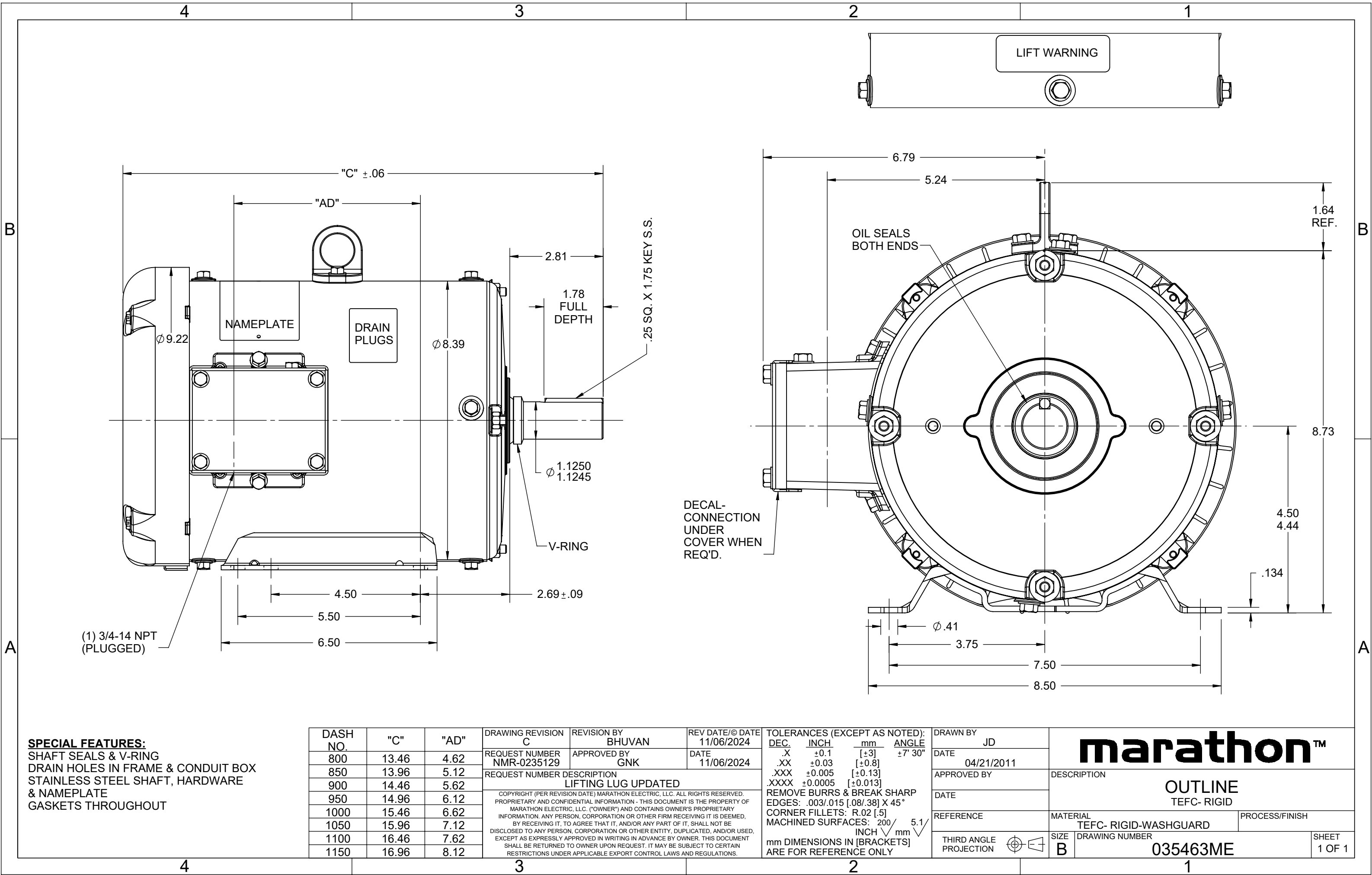
Phase	3	Output HP	5 Hp
Output KW	3.7 kW	Voltage	230/460 V
Speed	3495 r/min	Synchronous RPM	3600 r/min
Service Factor	1.15	Frame	184T
Enclosure	Totally Enclosed Fan Cooled	Thermal Protection	No Protection
Efficiency	88.5 %	Ambient Temperature	40 °C
Frequency	60 Hz	Current	12.0/6.0 A
Power Factor	89.5	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	J	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	2.32 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	14.96 in
Frame Length	9.5 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-950
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SPECIAL FEATURES:
SHAFT SEALS & V-RING
DRAIN HOLES IN FRAME & CONDUIT BOX
STAINLESS STEEL SHAFT, HARDWARE
& NAMEPLATE
GASKETS THROUGHOUT

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] REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45° CORNER FILLETS: R.02 [.5] MACHINED SURFACES: 200 INCH mm 5.1 mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY			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 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.						APPROVED BY	DESCRIPTION OUTLINE TEFC- RIGID			
900	14.46	5.62							DATE				
950	14.96	6.12							REFERENCE	MATERIAL TEFC- RIGID-WASHGUARD		PROCESS/FINISH	
1000	15.46	6.62							THIRD ANGLE PROJECTION	SIZE B	DRAWING NUMBER 035463ME		SHEET 1 OF 1
1050	15.96	7.12											
1100	16.46	7.62											
1150	16.96	8.12											

Data Sheet

Date: 16-06-2017

Customer:

Attention:

Submitted by: FAREEDA DUDEKULA

184TTWW6004



Submittal

Data @ 460 V

Motor Load Data

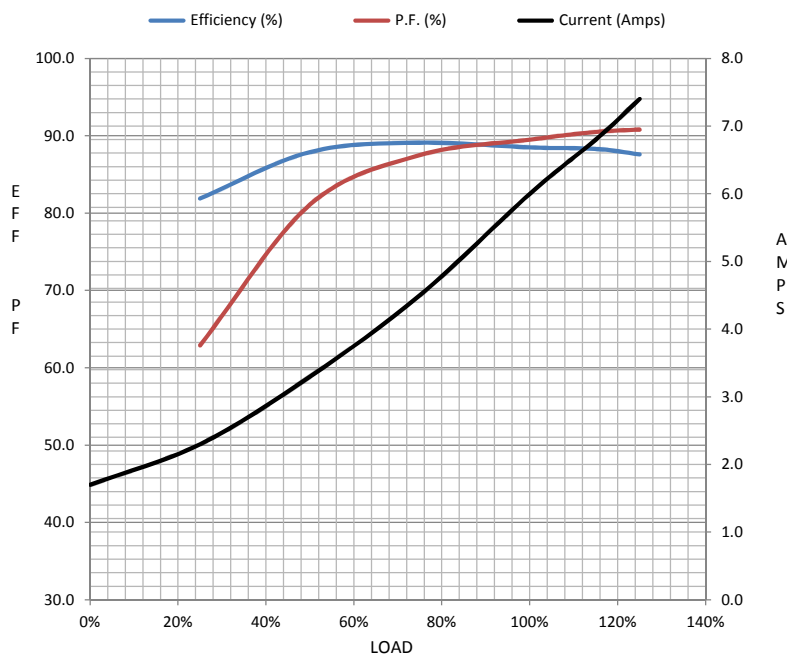
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	1.70	2.30	3.3	4.5	6.0	6.8	7.4	47.0
Torque (ft-lb)	0.00	1.80	3.7	5.6	7.5	8.7	9.5	16.0
RPM	3600	3576	3551	3526	3495	3,477	3463	0
Efficiency (%)		81.9	87.9	89.1	88.5	88.3	87.6	
P.F. (%)	14.8	62.9	81.1	87.5	89.5	90.5	90.8	0.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	2850	3495	3600
Current (Amps)	47.0	42.0	30.0	6.0	1.70
Torque (ft-lb)	16.0	14.0	26.0	7.5	0.00

Information Block

HP	5.0			
Sync. RPM	3600			
Frame	180			
Enclosure	TEFC			
Construction	TFW			
Voltage	230/460 V			
Frequency	60 Hz			
Design	B			
LR Code letter	J			
Service Factor	1.15			
Temp Rise @ FL	55 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk²	0.00 Lb-Ft²			
Ref Wdg	T82103 FR			
Sound Pressure @ 1M	0 dBA			
VFD Rating	CONSTANT 10:1			
Outline Dwg	035463ME-950			
Conn. Diag	005010.01ME			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed -Torque Curve

