marathon®

Washdown Motors

Model No: 184TTWW6027
Catalog No: 132197.00M

Washdown Motor, 5 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 184T Frame, TEFC

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Product Information Packet: Model No: 184TTWW6027, Catalog No: 132197.00M Washdown Motor, 5 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 184T Frame, TEFC

Nameplate Specifications

Phase	**3**	Output HP	**5 Hp**
Output KW	**3.7 kW**	Voltage	**230/460 V**
Speed	**1760 r/min**	Synchronous RPM	**1800 r/min**
Service Factor	**1.15**	Frame	**184T**
Enclosure	**Totally Enclosed Fan Cooled**	Thermal Protection	**No Protection**
Efficiency	**89.5 %**	Ambient Temperature	**40 °C**
Frequency	**60 Hz**	Current	**12.6/6.3 A**
Power Factor	**83.1**	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**

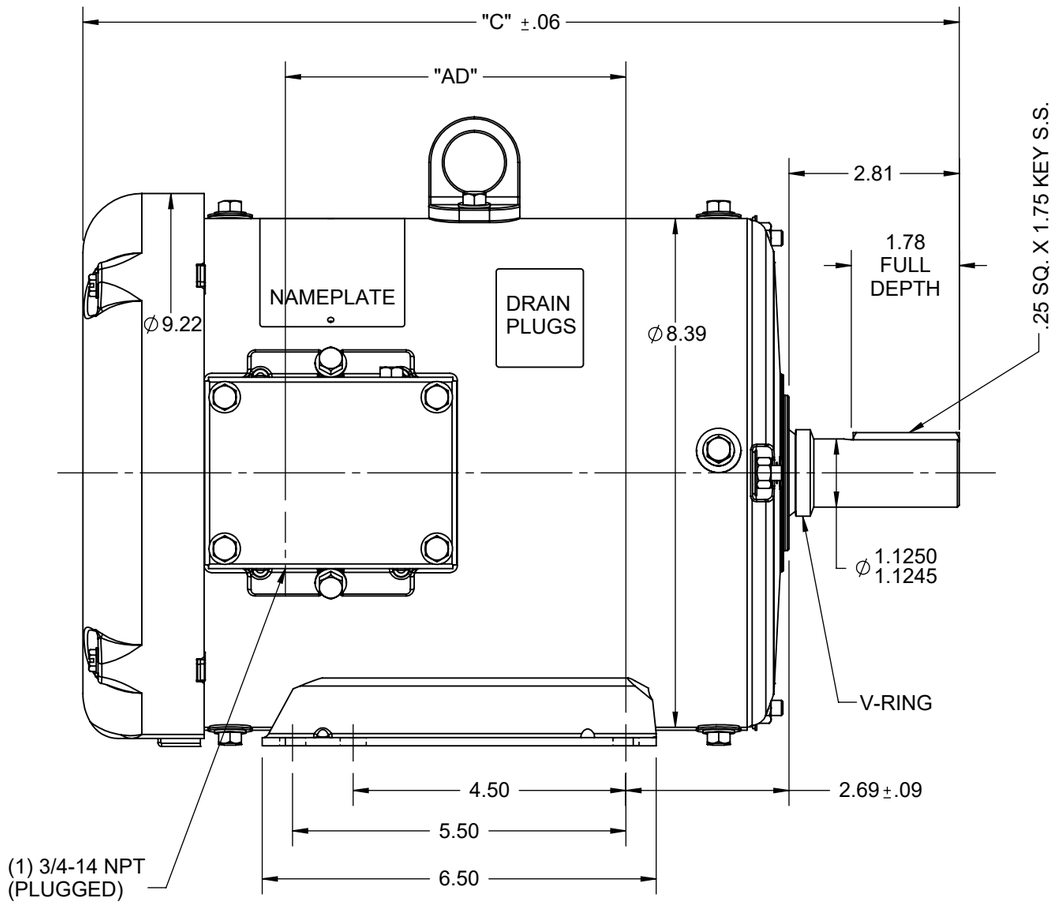
Technical Specifications

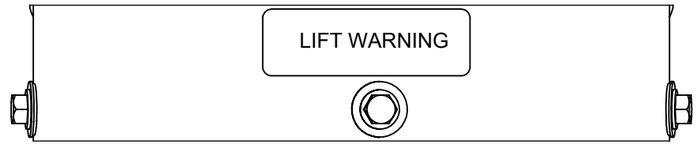
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Line Or Inverter**
Poles	**4**	Rotation	**Selective Clockwise**
Resistance Main	**2.68 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Rolled Steel**
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**		

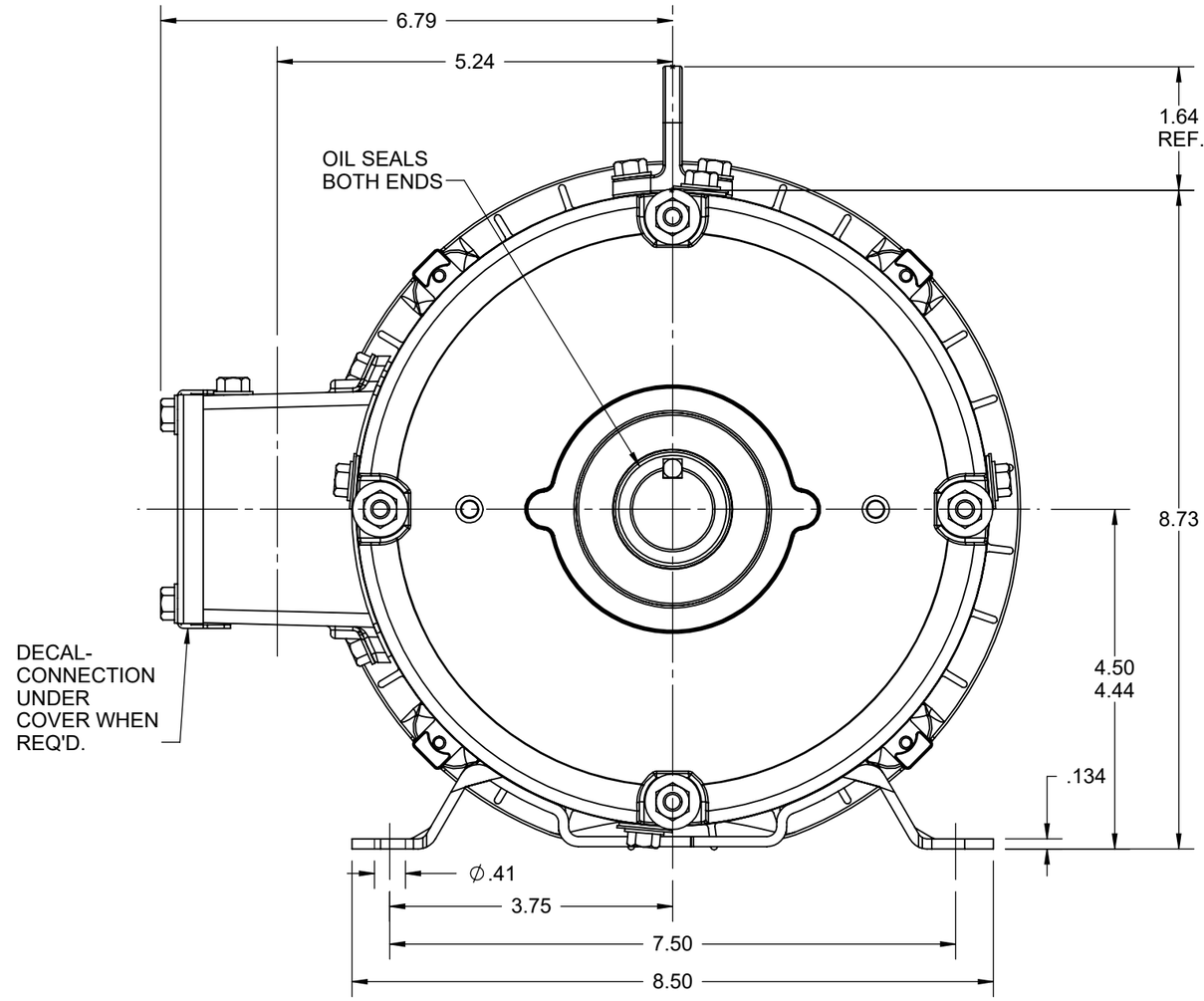
Drawings

Connection Drawing	**005010.01ME**	Outline Drawing	**035463ME-1000**

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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"
800	13.46	4.62
850	13.96	5.12
900	14.46	5.62
950	14.96	6.12
1000	15.46	6.62
1050	15.96	7.12
1100	16.46	7.62
1150	16.96	8.12

DRAWING REVISION	REVISION BY	REV DATE/© DATE
C	BHUVAN	11/06/2024
REQUEST NUMBER	APPROVED BY	DATE
NMR-0235129	GNK	11/06/2024

REQUEST NUMBER DESCRIPTION
LIFTING LUG 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	JD
DATE	04/21/2011
APPROVED BY	
DATE	
REFERENCE	
THIRD ANGLE PROJECTION	

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DESCRIPTION
OUTLINE
TEFC- RIGID

MATERIAL	PROCESS/FINISH
TEFC- RIGID-WASHGUARD	

SIZE	DRAWING NUMBER	SHEET
B	035463ME	1 OF 1

Data Sheet

Date: 6/19/2017
Customer:
Attention:
Submitted by: FAREEDA DUDEKULA

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184TTWW6027

Submittal

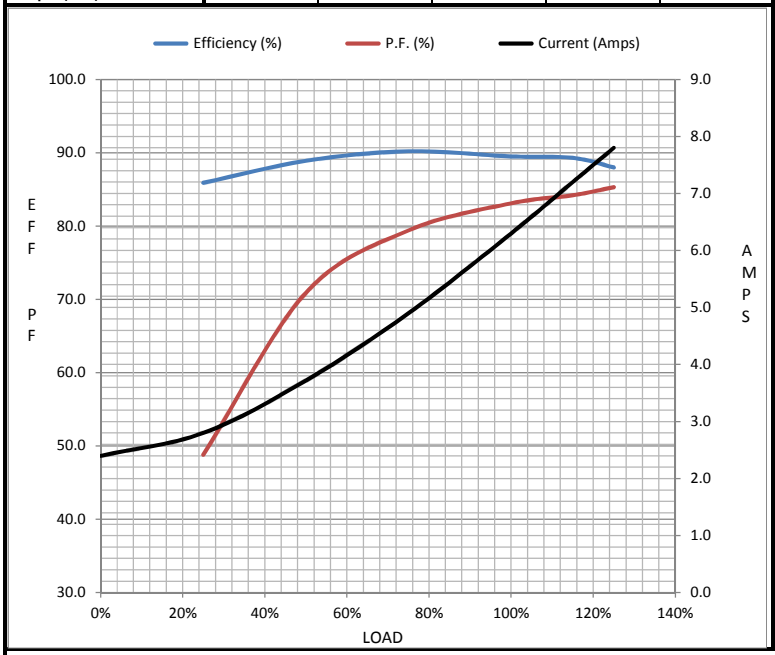
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	2.40	2.80	3.7	4.9	6.3	7.2	7.8	49.0	
Torque (ft-lb)	0.00	3.7	7.4	11.1	15.0	17.4	18.8	30.1	
RPM	1800	1790	1779	1768	1760	1,747	1742	0	
Efficiency (%)		85.9	88.9	90.2	89.5	89.3	88.0		
P.F. (%)	6.8	48.8	70.9	79.4	83.1	84.2	85.3	0.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1656	1760	1800
Current (Amps)	49.0	45.1	29.4	6.3	2.40
Torque (ft-lb)	30.1	29.8	50.2	15.0	0.00



Information Block

HP	5.0
Sync. RPM	1800
Frame	184
Enclosure	TEFC
Construction	TFW
Voltage	230/460 V
Frequency	60 Hz
Design	B
LR Code letter	J
Service Factor	1.15
Temp Rise @ FL	65 ° C
Duty	CONT
Ambient	40 ° C
Elevation	1,000 feet
Rotor/Shaft wk²	0.49 Lb-Ft²
Ref Wdg	T84170 FR
Sound Pressure @ 1M	55 dBA
VFD Rating	CONSTANT 10:1
Outline Dwg	035463ME-950
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

