marathon®

Washdown Motors

Model No: 182TTWW6026
Catalog No: 132198.00M

Washdown Motor, 3 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 182TC Frame, TEFC

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Product Information Packet: Model No: 182TTWW6026, Catalog No: 132198.00M Washdown Motor, 3 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 182TC Frame, TEFC

Nameplate Specifications

Phase	**3**	Output HP	**3 Hp**
Output KW	**2.2 kW**	Voltage	**230/460 V**
Speed	**1770 r/min**	Synchronous RPM	**1800 r/min**
Service Factor	**1.15**	Frame	**182TC**
Enclosure	**Totally Enclosed Fan Cooled**	Thermal Protection	**No Protection**
Efficiency	**89.5 %**	Ambient Temperature	**40 °C**
Frequency	**60 Hz**	Current	**7.8/3.9 A**
Power Factor	**80.5**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**K**	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

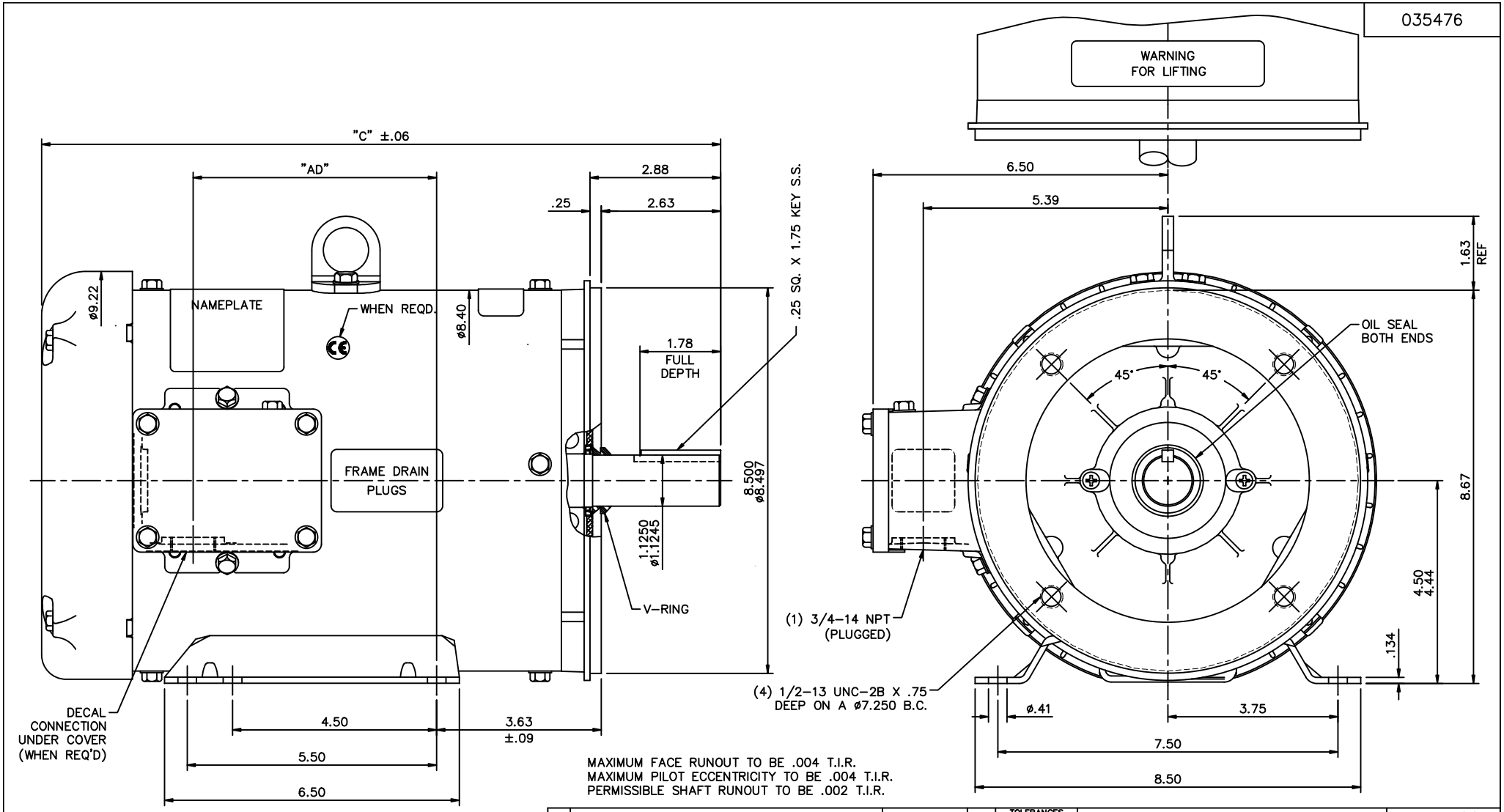
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Line Or Inverter**
Poles	**4**	Rotation	**Selective Clockwise**
Resistance Main	**6.08 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Rolled Steel**
Shaft Type	**T**	Overall Length	**14.47 in**
Frame Length	**9.0 in**	Shaft Diameter	**1 1/8 in**
Shaft Extension	**2.88 in**	Assembly/Box Mounting	**F1 Only**
Inverter Load	**Constant 10:1**		

Drawings

Connection Drawing	**005010.01ME**	Outline Drawing	**035476-900**

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035476



MAXIMUM FACE RUNOUT TO BE .004 T.I.R.
MAXIMUM PILOT ECCENTRICITY TO BE .004 T.I.R.
PERMISSIBLE SHAFT RUNOUT TO BE .002 T.I.R.

SPECIAL FEATURES:
1) SHAFT SEALS & V-RING
2) DRAIN HOLES IN FRAME & CONDUIT BOX
3) STAINLESS STEEL SHAFT, HARDWARE & NAMEPLATE
4) GASKETS THROUGHOUT

DASH NO.	"C"	"AD"
900	14.47	4.87
950	14.97	5.37
1000	15.47	5.87
1050	15.97	6.37
1100	16.47	6.87
1150	16.97	7.37

NO.	REVISION	BY & DATE	CHK
01	CORRECTED LOCATION OF DRAIN SCREW ON CON BOX	JJ 9/19/03	ANG

TOLERANCES UNLESS SPECIFIED

DEC.	INCHES
.X	±.1
.XX	±.03
.XXX	±.005
.XXXX	±.0005
ANG	±1/2°

MARATHON ELECTRIC

DRAWN	LST 7/8/03
CHK	
APPD	RW 7/11/03
TITLE	OUTLINE- 180TC FRAME TEFC- RIGID "C"
SCALE	1=2
REF	035462
MAT'L.	WASHGUARD
FMF	
FINISH	
PREV	
RFP	
CAD FILE	035476
DIST	
SIZE	B
DRAWING NO.	035476
REV.	01

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Data Sheet

Date: 20-06-2017
Customer:
Attention:
Submitted by: FAREEDA DUDEKULA

marathon® electric

182TTWW6026

Submittal

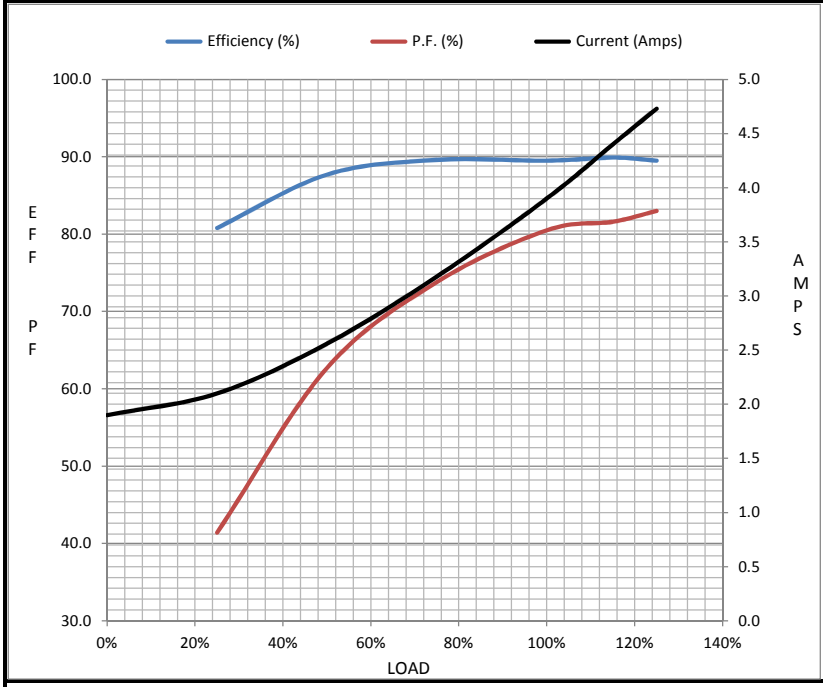
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	1.90	2.10	2.56	3.2	3.9	4.4	4.7	33.5	
Torque (ft-lb)	0.00	2.20	4.4	6.6	8.9	10.3	11.2	22.5	
RPM	1800	1792	1785	1777	1770	1,766	1755	0	
Efficiency (%)		80.8	87.7	89.6	89.5	89.9	89.5		
P.F. (%)	6.9	41.4	62.7	73.8	80.5	81.6	83.0	0.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1656	1770	1800
Current (Amps)	33.5	33.0	21.5	3.9	1.90
Torque (ft-lb)	22.5	21.0	36.0	8.9	0.00



Information Block

HP	3.0
Sync. RPM	1800
Frame	182
Enclosure	TEFC
Construction	TFW
Voltage	230/460 V
Frequency	60 Hz
Design	B
LR Code letter	K
Service Factor	1.15
Temp Rise @ FL	40 ° C
Duty	CONT
Ambient	40 ° C
Elevation	1,000 feet
Rotor/Shaft wk²	0.38 Lb-Ft²
Ref Wdg	T84174 FR
Sound Pressure @ 1M	0 dBA
VFD Rating	CONSTANT 10:1
Outline Dwg	035476-900
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

