

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 182TTFC6006

Catalog No: U604A

3 HP General Purpose Motor, 3 phase, 3600 RPM, 575 V, 182T Frame, TEFC
General Purpose Motors



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RegalRexnord

Nameplate Specifications

Output HP	3 Hp	Output KW	2.2 kW
Frequency	60 Hz	Voltage	575 V
Current	3.0 A	Speed	3520 rpm
Service Factor	1.15	Phase	3
Efficiency	87.5 %	Power Factor	87
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	J
Frame	182T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6205
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Resistance Main	3.56 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Overall Length	16.14 in
Shaft Diameter	1.130 in	Shaft Extension	2.75 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Connection Drawing	005102.01ME	Outline Drawing	16953460ME-182T

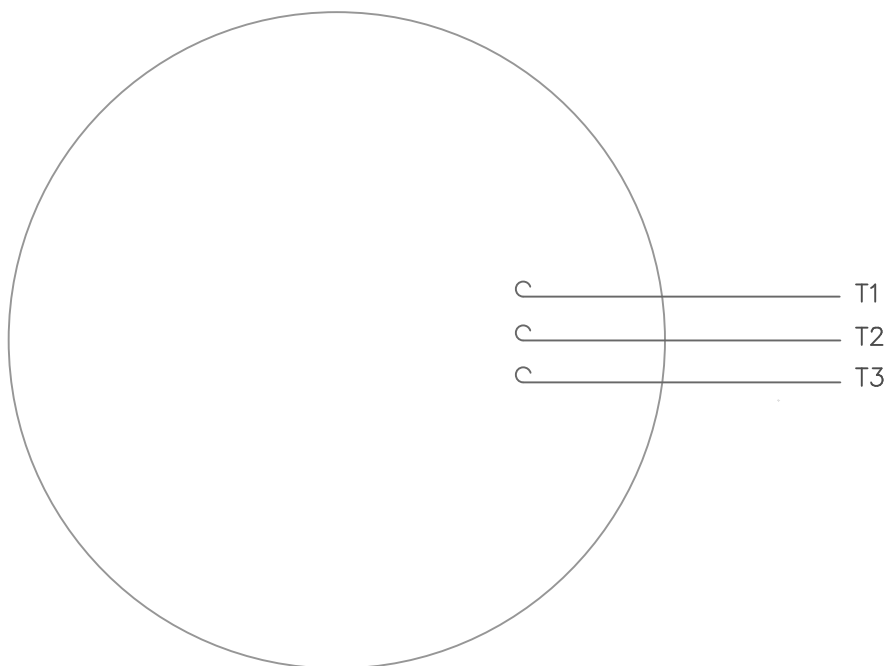
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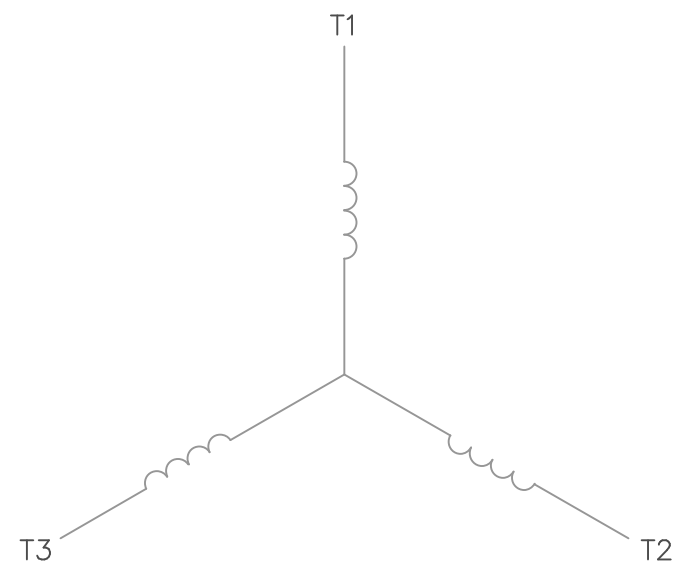
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VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



LINE LEADS

CONNECT LEADS AS FOLLOWS
FOR FOUR CONDUCTOR CORD ()

CORD	L1 (RED)	L2 (WHITE)	L3 (BLACK)	(GREEN)
MOTOR	T1	T2	T3	GROUND

				TOLERANCES UNLESS SPECIFIED			DRAWN RDW 5/1/02		
				DEC.	INCHES		CHK		
				.X	±.1		APPD		
				.XX	±.01		SCALE 1=1		
				.XXX	±.005		REF		
				.XXXX	±.0005		MAT'L. DECAL - 004169		
NO.	REVISION	BY & DATE	CHK	ANG	±1/2°	FINISH		PREV	
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT			RFP	5/1/02	CAD FILE 00510201ME		SIZE	DRAWING NO.	REV.
			DIST			A	005102-01ME		

CERTIFICATION DATA SHEET

Model#: 182TTFC6006 AA

WINDING#: T08702010 NONE 4

CONN. DIAGRAM: 005102.01ME

ASSEMBLY: F1/F2 CAPABLE

OUTLINE: 169534.60ME

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3	2.24	3600	3520	182T	TEFC	J	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	575	3	ACROSS THE LINE	CONTINUOUS	F2	1.15	40	3300

FULL LOAD EFF: 87.5	3/4 LOAD EFF: 88.5	1/2 LOAD EFF: 87.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 87	3/4 LOAD PF: 83	1/2 LOAD PF: 73	86.5	SQ CAGE IND RUN	1.2

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
4.5 LB-FT	23.3	8.9 LB-FT 197	15.8 LB-FT 351	55

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
53 dBA	63 dBA	0.24 LB-FT^2	- LB-FT^2	15 SEC.	2	90 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL						
6206	6205	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE
ENCODER: NONE
NONE NONE
NONE NONE PPR
BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz

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FORM 3531 REV.3 02/07/99

** Subject to change without notice.

Data Sheet

Date: 12/13/2018

Customer: _____

Attention: _____

Submitted by: FAREEDA DUDEKULA



182TTFC6006

Submittal

Data @ 575 V

Motor Load Data

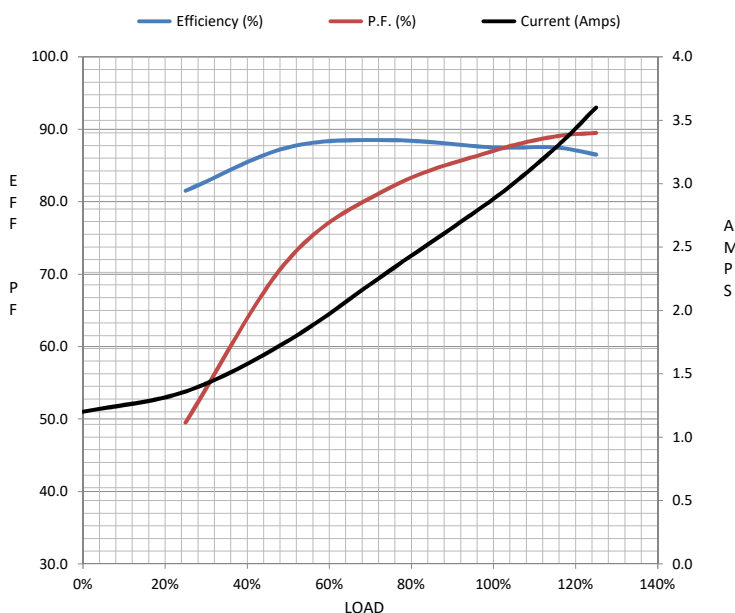
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	1.20	1.36	1.76	2.32	2.88	3.3	3.6	23.2	
Torque (ft-lb)	0.00	1.10	2.20	3.3	4.5	5.2	5.6	9.0	
RPM	3600	3580	3565	3545	3520	3,510	3495	0	
Efficiency (%)		81.5	87.5	88.5	87.5	87.5	86.5		
P.F. (%)	9.5	49.5	72.0	82.0	87.0	89.0	89.5	55.5	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	3000	3520	3600
Current (Amps)	23.2	22.4	14.0	2.88	1.20
Torque (ft-lb)	9.0	8.0	15.0	4.5	0.00

Information Block

HP	3.0			
Sync. RPM	3600			
Frame	182			
Enclosure	TEFC			
Construction	TFS			
Voltage	575	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	0.24	Lb-Ft²		
Ref Wdg	T08702010 NONE			
Sound Pressure @ 1M	50	dBA		
VFD Rating	NONE			
Outline Dwg	169534.60ME			
Conn. Diag	005102.01ME			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
3.2960	2.5130	10.4950	3.6950	258.6720



Speed-Torque Curve

