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General Purpose Motors

Model No: 182TTFC6076
Catalog No: GT1005

General Purpose Motor, 1.50 & 1 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1200 RPM, 182T Frame, TEFC

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Product Information Packet: Model No: 182TTFC6076, Catalog No: GT1005 General Purpose Motor, 1.50 & 1 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1200 RPM, 182T Frame, TEFC

Nameplate Specifications

Phase	**3**	Output HP	**1.50 & 1 Hp**
Output KW	**1.1 & 0.75 kW**	Voltage	**230/460 & 190/380 V**
Speed	**1185 & 990 r/min**	Synchronous RPM	**1200 & 1000 r/min**
Service Factor	**1.15 & 1.15**	Frame	**182T**
Enclosure	**Totally Enclosed Fan Cooled**	Thermal Protection	**No Protection**
Efficiency	**87.5 & 85.5 %**	Ambient Temperature	**40 °C**
Frequency	**60 & 50 Hz**	Current	**4.8/2.4 & 4/2 A**
Power Factor	**69**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**J**	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	**6**	Rotation	**Reversible**
Resistance Main	**5.95 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Cast Iron**
Shaft Type	**T**	Overall Length	**14.8 in**
Shaft Diameter	**1 1/8 in**	Shaft Extension	**2.75 in**
Assembly/Box Mounting	**F1/F2 Capable**		

Drawings

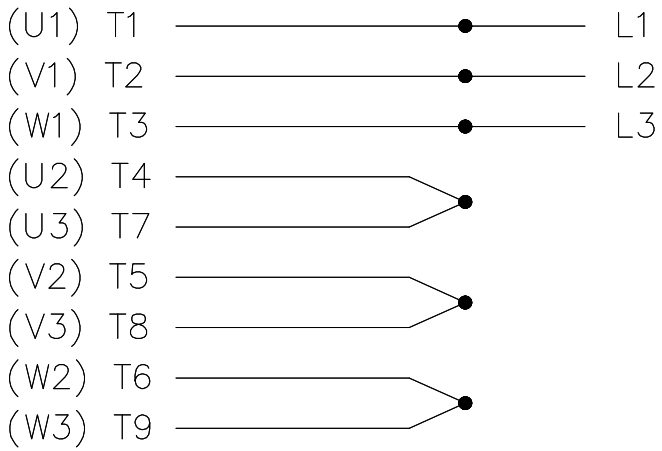
Connection Drawing	**A-EE7308**	Outline Drawing	**SS620290-182T**

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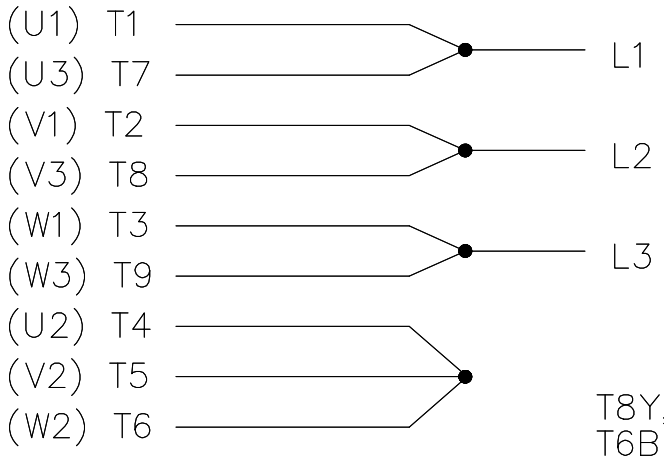
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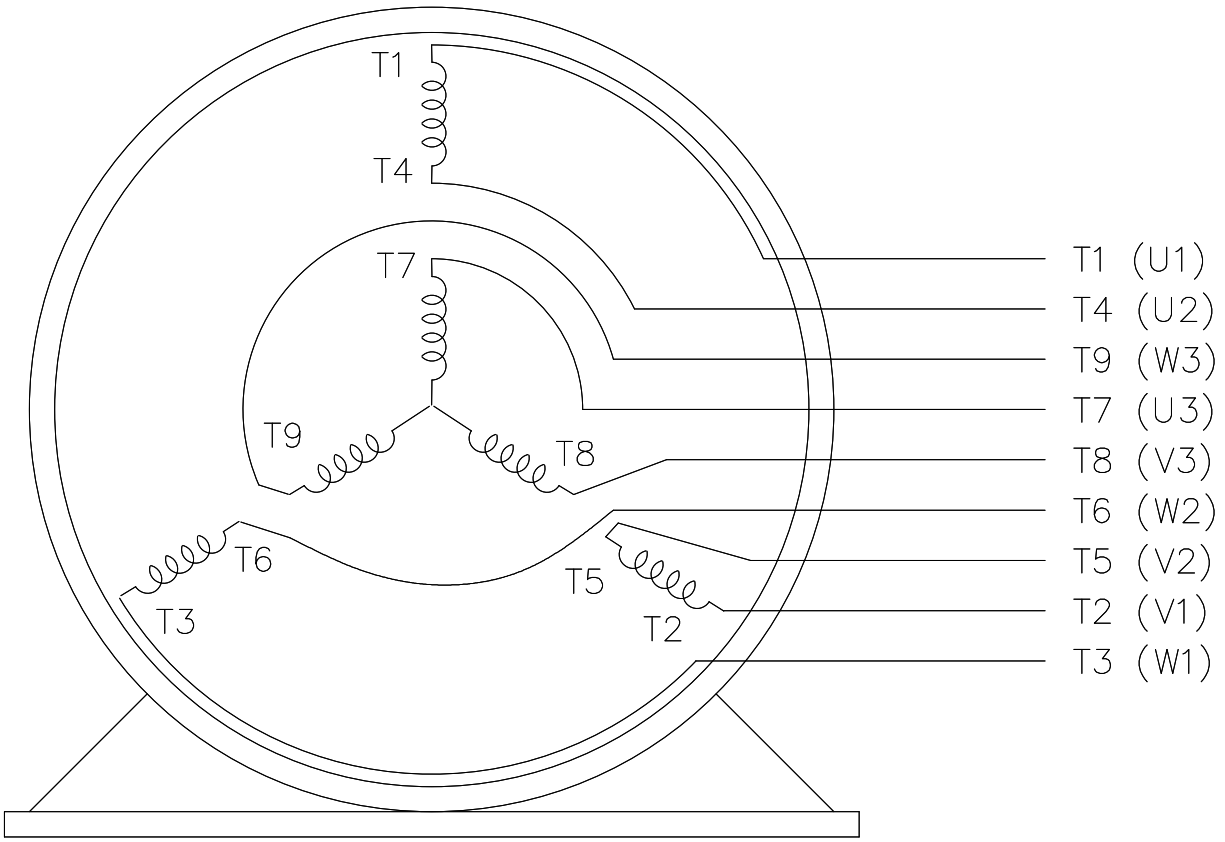
THREE PHASE
DUAL VOLTAGE MOTOR

HIGH VOLTAGE



LOW VOLTAGE





VIEW OF TERMINAL END

REF.
WINDING DIAGRAM

T8Y, T2Y, T2BL, T4BX, T2EC, T2G
T6BZ, T2B, T6BL, T4AV, T6B, T4B

OPTIONAL CORD CONNECTION

L1	WHITE
L2	RED
L3	BLACK

DRAWING REVISION: J	REVISION BY: SB	REV DATE/ © DATE: 08/01/2025
REQUEST NUMBER: CR-0023654	APPROVED BY: SBD	DATE: 08/01/2025

REQUEST NUMBER DESCRIPTION
DRAWING TITLE BLOCK UPDATED

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DATE: 11/20/1990	
APPROVED BY: SAS	
DATE: 04/24/2003	
REFERENCE	
THIRD ANGLE PROJECTION	

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DESCRIPTION
CONN DIAGRAM-EXTERNAL
3Ø - DUAL VOLTAGE MOTOR

MATERIAL	PROCESS/FINISH

SIZE	DRAWING NUMBER	SHEET
A	3 of 5 EE7308	1 OF 1

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Data Sheet

Date: 16-06-2017
Customer:
Attention:
Submitted by: FAREEDA DUDEKULA

marathon® electric

182TTFC6076

Submittal

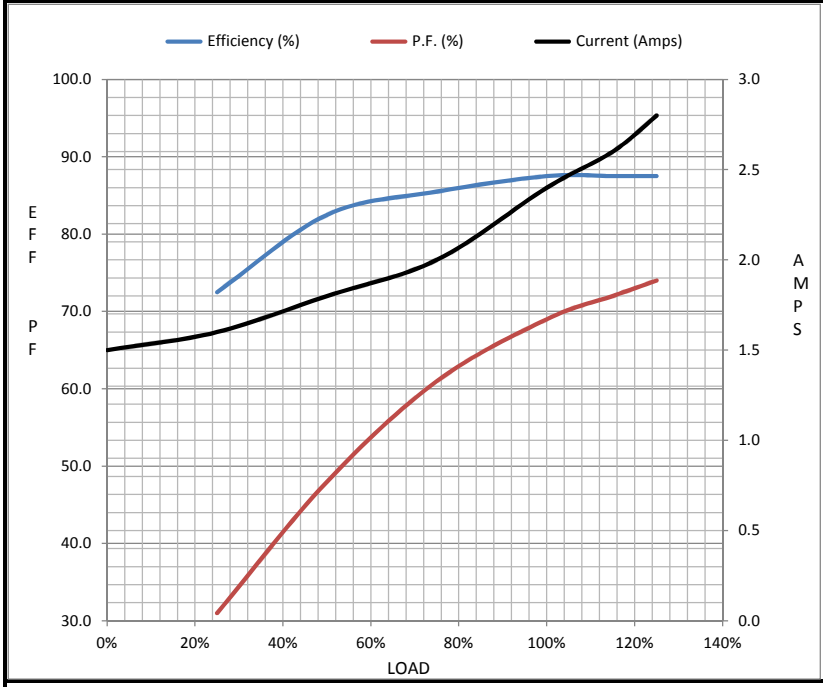
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	1.50	1.60	1.80	2.00	2.40	2.60	2.80	17.0	
Torque (ft-lb)	0.00	1.70	3.3	5.0	6.7	7.7	8.4	11.5	
RPM	1200	1195	1192	1188	1185	1,182	1180	0	
Efficiency (%)		72.5	82.5	85.5	87.5	87.5	87.5		
P.F. (%)	8.0	31.0	48.0	61.0	69.0	72.0	74.0	30.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	1100	1185	1200
Current (Amps)	17.0	14.0	9.5	2.40	1.50
Torque (ft-lb)	11.5	10.0	20.5	6.7	0.00



Information Block

HP	1.5
Sync. RPM	1200
Frame	182
Enclosure	TEFC
Construction	TFC
Voltage	230/460#190/38(V
Frequency	60 Hz
Design	B
LR Code letter	J
Service Factor	1.15
Temp Rise @ FL	40 ° C
Duty	CONT
Ambient	40 ° C
Elevation	1,000 feet
Rotor/Shaft wk²	0.45 Lb-Ft²
Ref Wdg	CHT18260001 NONE
Sound Pressure @ 1M	55 dBA
VFD Rating	NONE
Outline Dwg	B-SS620290
Conn. Diag	A-EE7308

Additional Specifications:

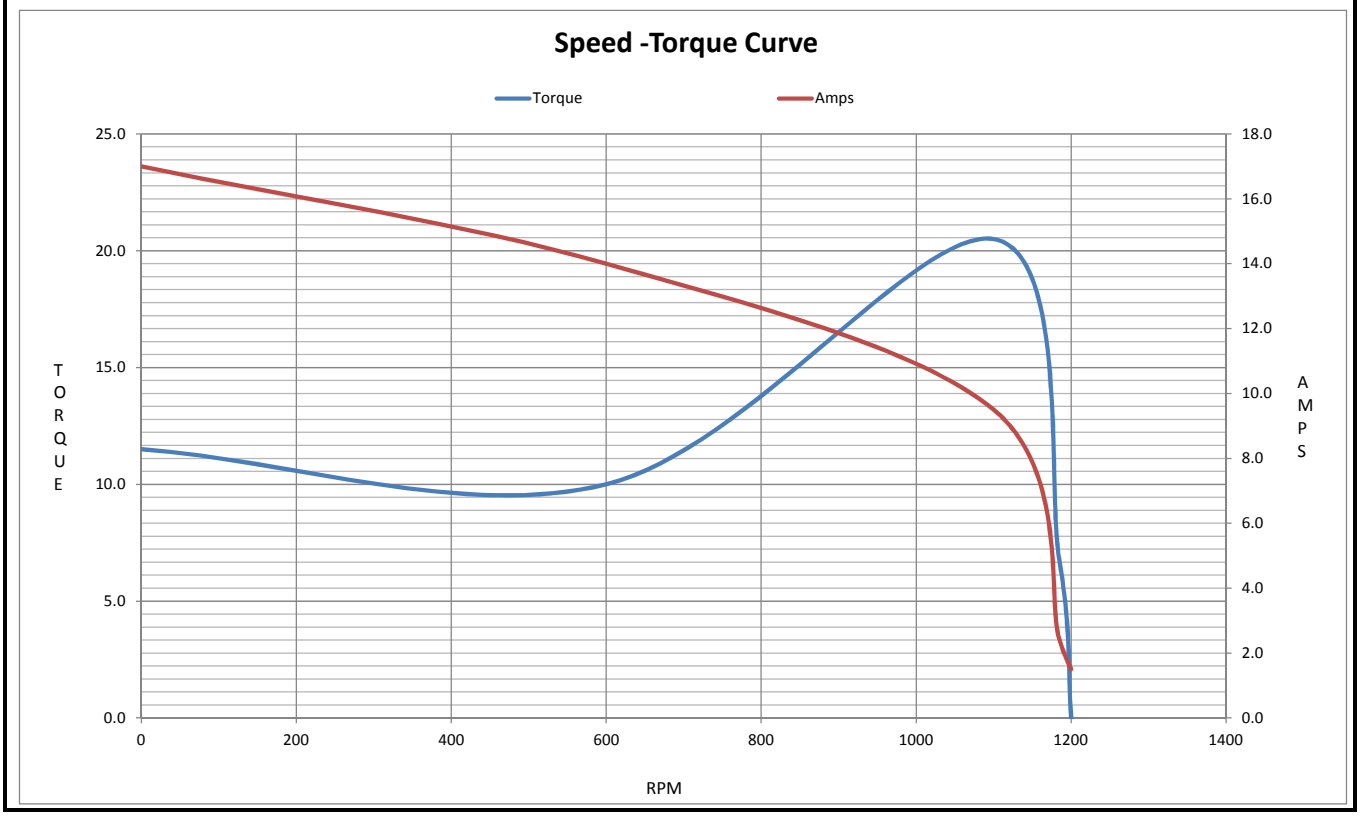
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365THFS8036

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
3.4020	1.8900	10.7730	14.5530	172.9350

Speed -Torque Curve



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CERTIFICATION DATA SHEET

Model#:	182TTFC6076 AA	**WINDING#:**	CHT18260001 NONE 1
CONN. DIAGRAM:	A-EE7308	**ASSEMBLY:**	F1/F2 CAPABLE
OUTLINE:	B-SS620290		

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1 1/2&1	1.12&.75	1200	1185&990	182T	TEFC	J	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/380	4.8/2.4&4/2	ACROSS THE LINE	CONTINUOUS	F7	1.15/1.15	40	3300

FULL LOAD EFF: 87.5&85.5	3/4 LOAD EFF: 85.5	1/2 LOAD EFF: 82.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 69&63.5	**3/4 LOAD PF: 61**	**1/2 LOAD PF: 48**	86.5	SQ CAGE IND RUN	3 / 1.5

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
6.7 LB-FT	34 / 17	11.5 LB-FT 170	20.5 LB-FT 305	40

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
55 dBA	65 dBA	0.45 LB-FT^2	32 LB-FT^2	25 SEC.	2	105 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 6206	BALL 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

* NOTES *

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