PRODUCT INFORMATION PACKET



Model No: 182TTFW16021 Catalog No: C381B

XRI® General Purpose General Purpose Motor, 3 & 2 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V,

3600 & 3000 RPM, 182TC Frame, TEFC



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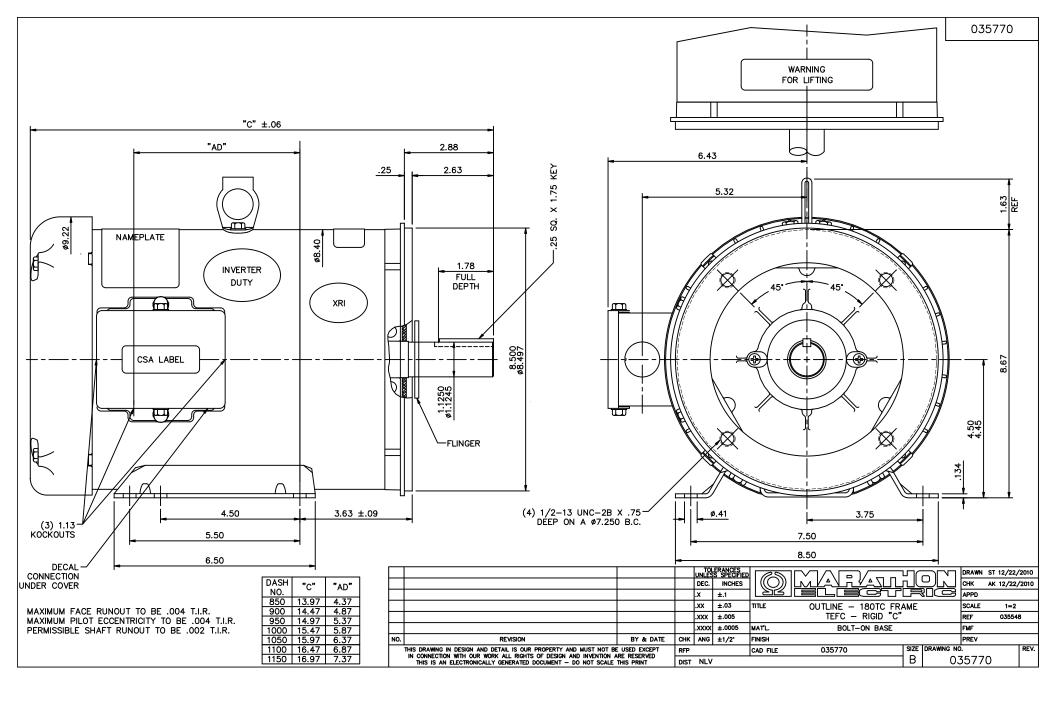
Nameplate Specifications

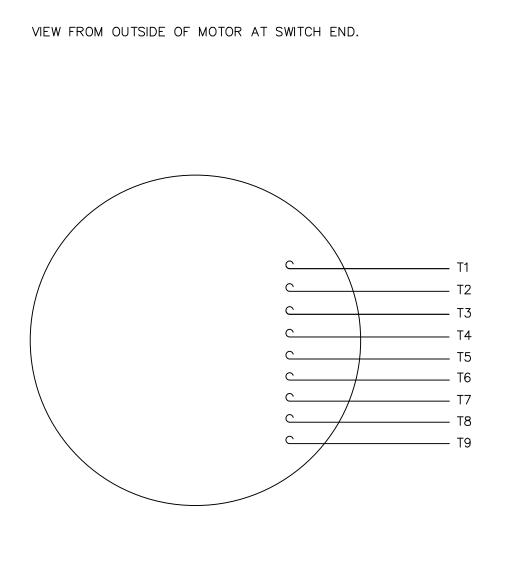
Phase	3	Output HP	3 & 2 Hp
Output KW	2.2 & 1.5 kW	Voltage	230/460 & 190/380 V
Speed	3515 & 2885 rpm	Service Factor	1.15 & 1.15
Frame	182TC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	86.5 & 87.7 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	7.6/3.8 & 6.4/3.2 A	Power Factor	88
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	К
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6205
UL	Recognized	CSA	Υ
CE	Υ	IP Code	43
Number of Speeds	1		

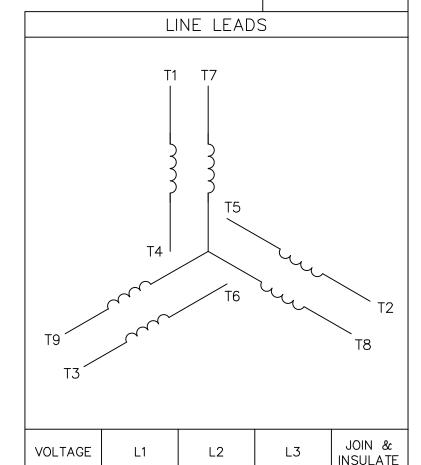
Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Resistance Main	3.76 Ohms	Mounting	Bolt-on Base
Motor Orientation	Horizontal Or Up Or Down	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	Т	Overall Length	14.47 in
Frame Length	9.00 in	Shaft Diameter	1.125 in
Shaft Extension	2.88 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	005010.01ME	Outline Drawing	035770-900

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T2

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T1

T1,T7

T3

T3,T9

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				DEC.	INCHES				<u>الريا</u>		CHK		
				.x	±.1						APPD		
				.xx	±.01	TITLE		L WIRING DIA			SCALE	1=1	
				.xxx	±.005		3 PHASE	W/O PROT	ECTOR		REF	FIG.2-51	1
				.xxxx	±.0005	MAT'L.	DE	CAL - 004014			FMF		
NO.	REVISION	BY & DATE	СНК	ANG	±1/2°	FINISH					PREV		
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT				0-	4/12/02	CAD FILE	0050100	1ME	SIZE	DRAWING NO			REV.
	IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT — DO NOT SCALE THIS PRINT					•			$\neg A$	0050	10-0	1ME	

HIGH

LOW

(T4,T7)

(T5, T8)

(T6,T9)

T4,T5,T6

CERTIFICATION DATA SHEET

 Model#:
 182TTFW16021 AA
 WINDING#:
 T8290 FR 3

 CONN. DIAGRAM:
 005010.01ME
 ASSEMBLY:
 F1 ONLY

OUTLINE: 035548-900

TYPICAL MOTOR PERFORMANCE DATA

HP	KV	V	SYN	IC. RPM	F.L. RPM	FRAME	ENCLOS	SURE	KV	A CODE	DESIGN
3&2	2.24&	1.49		3600	3515&2885	182TC	TEF	С		K	В
PH	Hz	VOL	_TS	FL AMPS	S START TYPE	DUTY	INSL	S.	F	AMB°C	ELEVATION

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/	7.6/3.8&6.4/3.	ACROSS THE	CONTINUOU	F4	1.15/1.15	40	3300
		380	2	LINE	S				

FULL LOAD EFF: 86.5&87.7	3/4 LOAD EFF: 86.1	1/2 LOAD EFF: 85.8	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 88&85.7	3/4 LOAD PF: 86.3	1/2 LOAD PF: 76.4	0	SQ CAGE IND RUN	2.8 / 1.4

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
4.5 LB-FT	68 / 34	12 LB-FT 267	16.5 LB-FT 367	37

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.33 LB-FT^2	0 LB-FT^2	0 SEC.	0	0 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	BOLT-ON	HORIZONTAL OR UP OR	FALSE	NONE	PROVISIONS ONLY	NONE	BLUE (ENAMEL)
			DOWN					

BEAF	BEARINGS		SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	FRAME
DE	OPE					MATERIAL	MATERIAL
BALL	BALL	POLYREX EM	Т	NONE	NONE	AISI 1045 (C-240)	ROLLED STEEL
6206	6205						

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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