PRODUCT INFORMATION PACKET



Model No: 286TSTFCA6005 Catalog No: GT1130 General Purpose Motors, TEFC, 30 HP, 3 Ph, 60 Hz, 575 V, 3560 RPM, 286TS

General Purpose Motors



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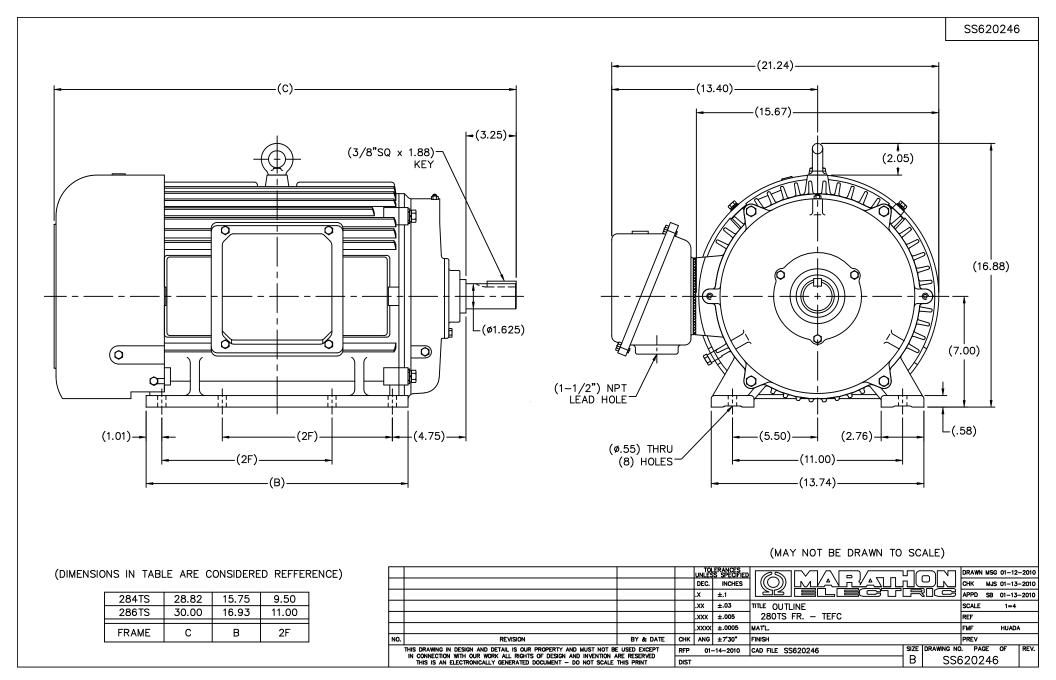
Nameplate Specifications

Output HP	30 Hp	Output KW	22.4 kW
Frequency	60 Hz	Voltage	575 V
Current	27.2 A	Speed	3560 rpm
Service Factor	1.15	Phase	3
Efficiency	93 %	Power Factor	89
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	G
Frame	286TS	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6211	Opp Drive End Bearing Size	6211
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	.23 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	TS	Overall Length	30.00 in
Shaft Diameter	1.625 in	Shaft Extension	3.25 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Connection Drawing	A-EE7300	Outline Drawing	SS620246-286TS

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CERTIFICATION DATA SHEET

286TSTFCA6005 AA WINDING#: CHT28620001 NONE 3 Model#:

F.L. RPM

CONN. DIAGRAM: A-EE7300 ASSEMBLY: F1/F2 CAPABLE

SYNC. RPM

OUTLINE: B-SS620246

KW

ΗP

TYPICAL MOTOR PERFORMANCE DATA

	30	22.4	1	3600 3560		286TS	TEF	С	G	В
1			1			<u> </u>		1	1	
	PH	Hz	VOLTS	FL AMP	S START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
									1	

FRAME

ENCLOSURE

KVA CODE

DESIGN

	112	VOLIS	I L AWII 5	START THE		INOL	5.1	ANDC	LELVATION
3	60	575	27.2	ACROSS THE	CONTINUOU	F7	1.15/1.15	40	3300
				LINE	S				

FULL LOAD EFF: 93	3/4 LOAD EFF: 93	1/2 LOAD EFF: 92.4	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 89	3/4 LOAD PF: 88	1/2 LOAD PF: 82	91	SQ CAGE IND RUN	7.2

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
44.2 LB-FT	173.6	95 LB-FT 215	132 LB-FT 300	60

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
72 dBA	82 dBA	3.2 LB-FT^2	35 LB-FT^2	20 SEC.	2	550 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	FRAME
DE	OPE					MATERIAL	MATERIAL
BALL	BALL	POLYREX EM	TS	NONE	NONE	1045 HOT	CAST IRON
6211	6211					ROLLED (C-204)	

	THERMO-PF	ROTECTORS	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

Ν 0 Т Е S

> DATE: 06/27/2017 02:23:05 AM FORM 3531 REV.3 02/07/99

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