

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 132STFC6527

Catalog No: R428A

7.50 HP General Purpose, 3 phase, 1800 RPM, 575 V, 132S Frame, TEFC
Cast Iron Motors



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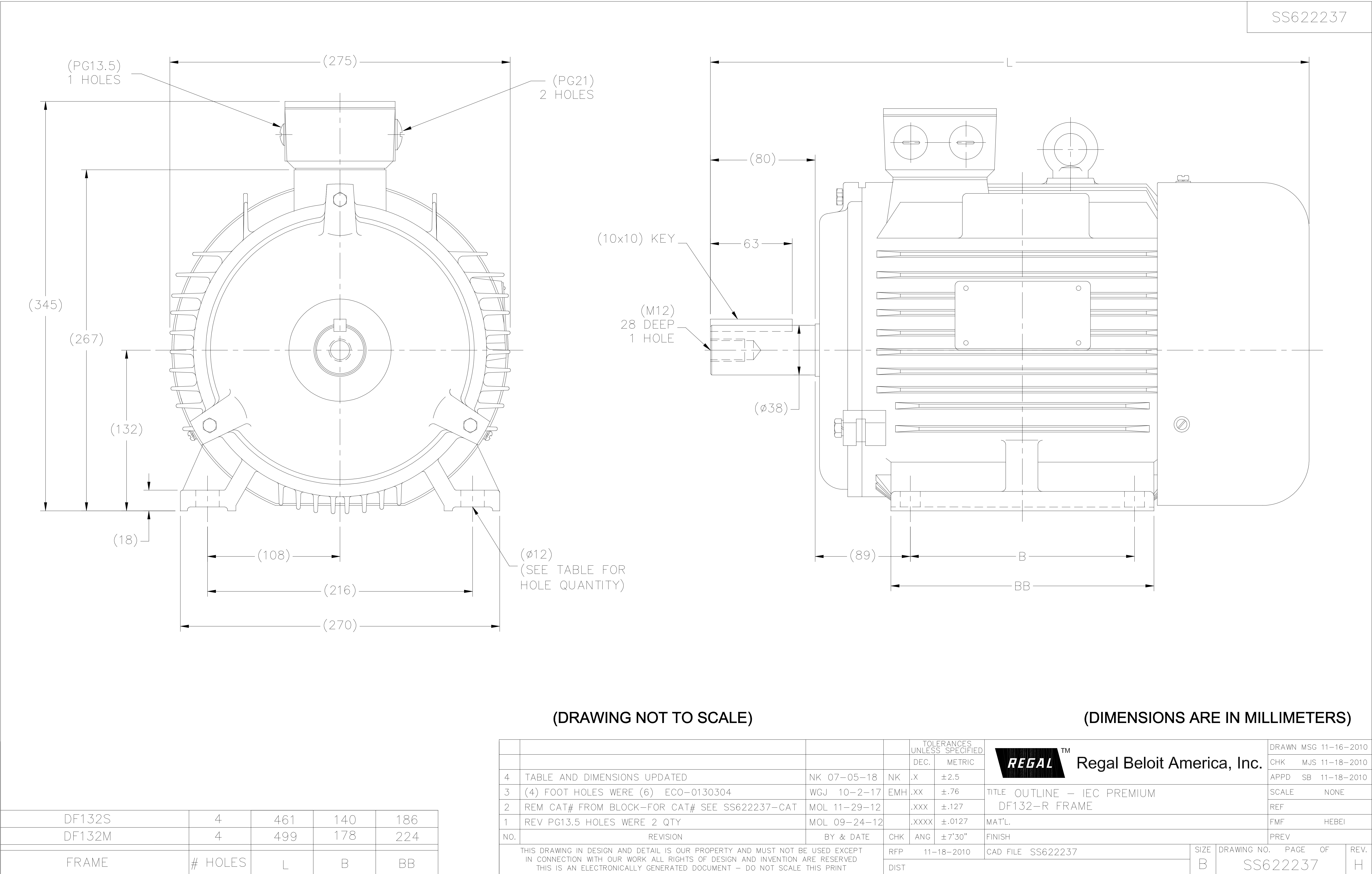
Nameplate Specifications

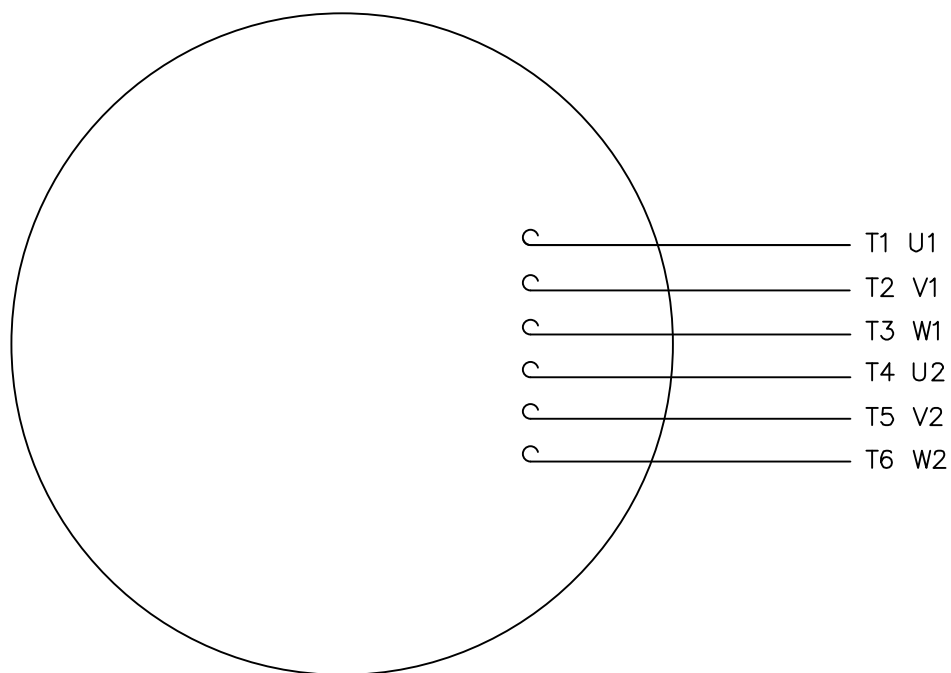
Output HP	7.50 Hp	Output KW	5.6 kW
Frequency	60 Hz	Voltage	575 V
Current	7.9 A	Speed	1765 rpm
Service Factor	1.15	Phase	3
Efficiency	89.5 %	Power Factor	78
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	J
Frame	132S	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6308	Opp Drive End Bearing Size	6207
UL	Recognized	CSA	N
CE	Y	IP Code	54
Number of Speeds	1		

Technical Specifications

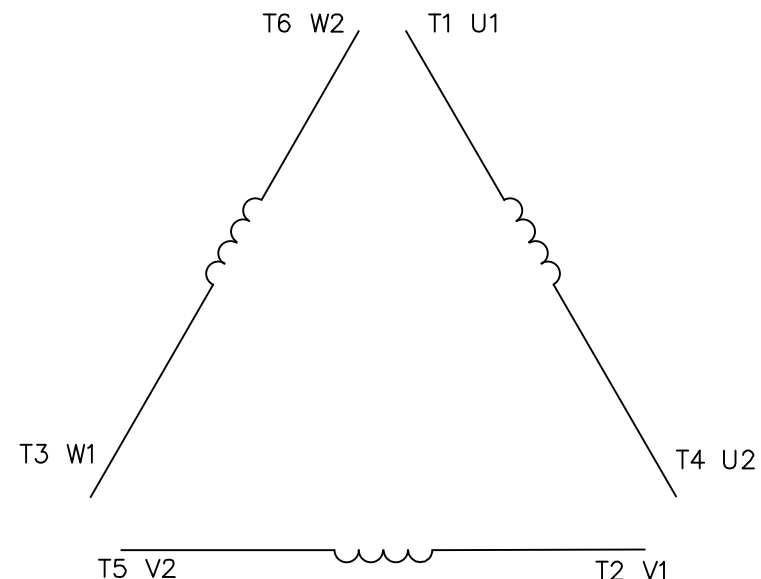
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Wye Start Delta Run Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	2.335 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	IEC	Overall Length	18.14 in
Shaft Diameter	1.496 in	Shaft Extension	3.149 in
Assembly/Box Mounting	F3	Inverter Load	CONSTANT 20:1
Connection Drawing	005190.01ME	Outline Drawing	SS622237

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LINE LEADS



	L1	L2	L3	JOIN
START (WYE)	T1 U1	T2 V1	T3 U2	(T4,T5,T6) (U2,V2,W2)
RUN (DELTA)	(T1,T6) (U1,W2)	(T2,T4) (V1,U2)	(T3,T5) (W1,V2)	

				TOLERANCES UNLESS SPECIFIED			DRAWN PG 05/07/82		
				DEC.	INCHES		CHK		
				.X	±.1		APPD TEM 05/07/82		
03	ADDED IEC DESIGNATIONS	MOL 04/27/12	.XX	±.01	TITLE EXTERNAL WIRING DIAGRAM STAR START – DELTA RUN			SCALE 1=1	
02	REMOVED OBSOLETE STATUS	KJH 06/28/99	.XXX	±.005				REF	
01	REDRAWN ON CAD	DBT 05/30/97	.XXXX	±.0005	MAT'L. Y–CONNECTED START – DELTA CONNECTED RUN			FMF	
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"	FINISH SINGLE VOLTAGE		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		CAD FILE 00519001ME		SIZE	DRAWING NO.	REV.
			DIST				A	005190–01ME	03



**P.O. BOX 8003
WAUSAU, WI 54401-8003
PH. 715-675-3311**

CERTIFICATION DATA SHEET**CUSTOMER:****ORDER #:****CONN. DIAGRAM:** 005190.01ME**OUTLINE:** SS622237**WINDING #:** T10704021 FR 4 A**CUSTOMER PO#:****MODEL #:** 132STFC6527 AA**CUSTOMER PART #:****MOUNTING:** F3**TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
7 1/2	5.60	1800	1765	132S	TEFC	J	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	575	7.9	Y START D RUN OR INV	CONTINUOUS	F2	1.15	40

FULL LOAD EFF:	89.5	3/4 LOAD EFF:	89.6	1/2 LOAD EFF:	88.5	GTD. EFF		ELEC. TYPE
FULL LOAD PF:	78	3/4 LOAD PF:	71.3	1/2 LOAD PF:	58.9	86.5		SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
0 LB-FT	60	50.6 LB-FT 225 %	78.8 LB-FT 350 %	48

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
- dBA	- dBA	0 LB-FT^2	- LB-FT^2	- SEC.		179 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	ODE						
BALL	BALL	POLYREX EM	STANDARD IEC	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
6308	6207						

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

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PREPARED BY: DineshSuddula **DATE:**

02/12/2019 03:51:23 AM

FORM 3531 REV.3 02/07/99

** Subject to change without notice.

INVERTER TORQUE: CONSTANT 20:1
INV. HP SPEED RANGE: 1.5 X BASE SPEED

ENCODER: NONE
NONE NONE
NONE NONE PPR

BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz