

PRODUCT INFORMATION PACKET

Model No: 132MTFC6537
Catalog No: R431A
10 HP General Purpose, 3 phase, 1800 RPM, 575 V, 132M Frame, TEFC
Cast Iron Motors



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Nameplate Specifications

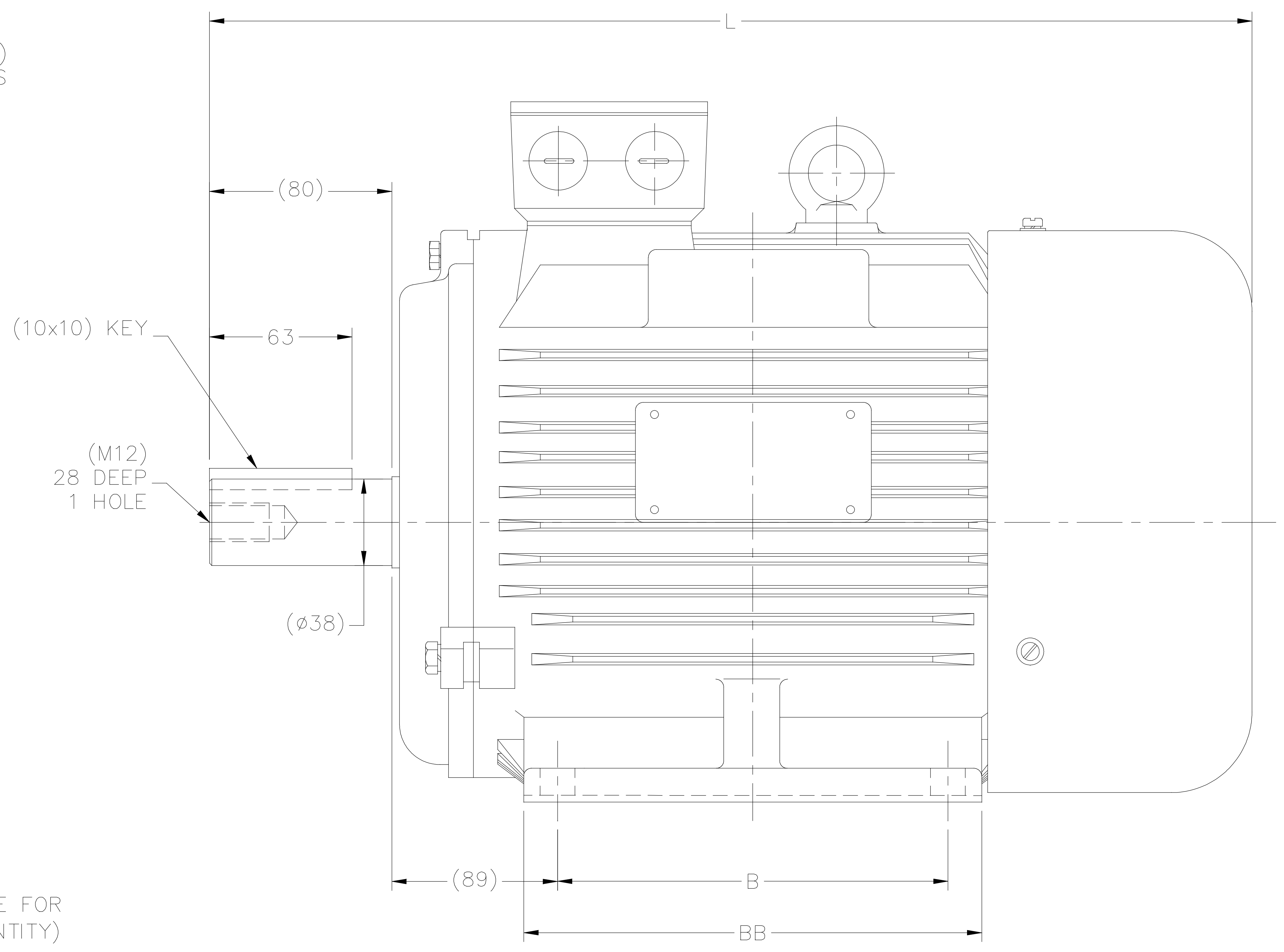
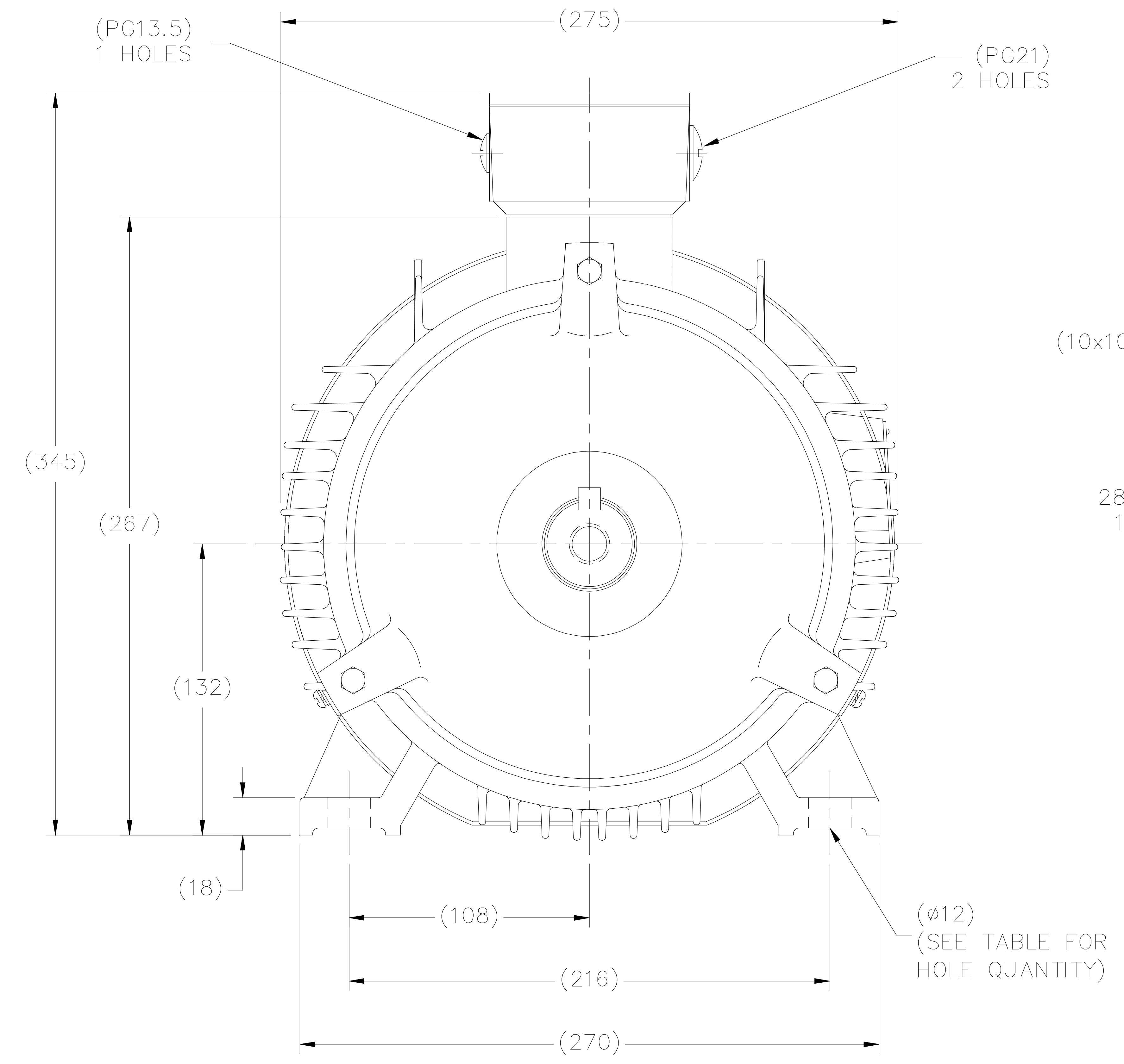
Output HP	10 Hp	Output KW	7.5 kW
Frequency	60 Hz	Voltage	575 V
Current	9.6 A	Speed	1765 rpm
Service Factor	1.15	Phase	3
Efficiency	91.7 %	Power Factor	85
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	N
Frame	132M	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6308	Opp Drive End Bearing Size	6207
UL	Recognized	CSA	Y
CE	Y	IP Code	54
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.8 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal Or Shaft Down	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	IEC	Overall Length	19.76 in
Shaft Diameter	1.500 in	Shaft Extension	3.14 in
Assembly/Box Mounting	F3		
Connection Drawing	00519001ME	Outline Drawing	SS622237

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SS622237



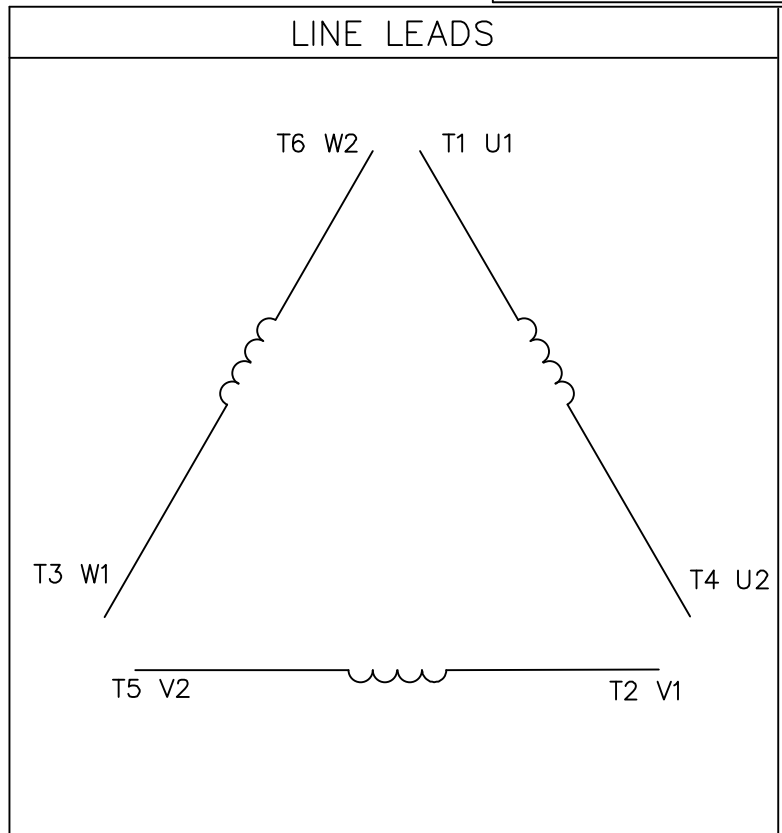
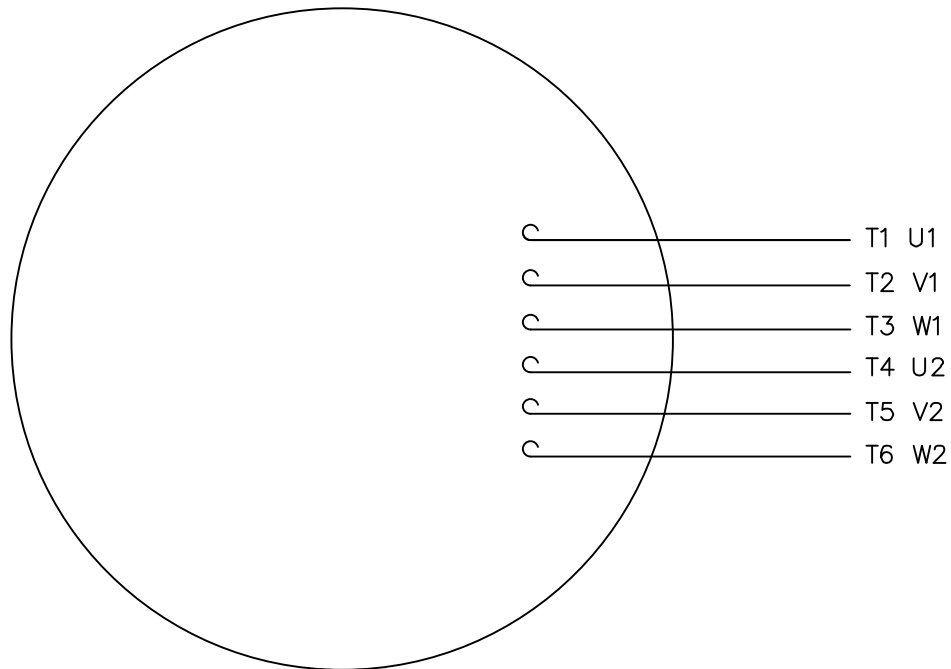
(DRAWING NOT TO SCALE)

(DIMENSIONS ARE IN MILLIMETERS)

DF132S	4	461	140	186
DF132M	4	499	178	224
FRAME	# HOLES	L	B	BB

NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED		FINISH	DRAWN MSG 11-16-2010				
					DEC.	METRIC						
4	TABLE AND DIMENSIONS UPDATED	NK 07-05-18	NK	.X	±2.5			CHK MJS 11-18-2010				
3	(4) FOOT HOLES WERE (6) ECO-0130304	WGJ 10-2-17	EMH	.XX	±.76			APPD SB 11-18-2010				
2	REM CAT# FROM BLOCK-FOR CAT# SEE SS622237-CAT	MOL 11-29-12		.XXX	±.127		TITLE OUTLINE - IEC PREMIUM DF132-R FRAME	SCALE NONE				
1	REV PG13.5 HOLES WERE 2 QTY	MOL 09-24-12		.XXXX	±.0127		MAT'L.	REF				
					±7'30"			FMF HEBEI				
								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 11-18-2010	CAD FILE SS622237	SIZE B	DRAWING NO. SS622237	PAGE OF	REV. H





	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
02	REMOVED OBSOLETE STATUS	KJH	06/28/99	.XXX	±.005
01	REDRAWN ON CAD	DBT	05/30/97	.XXXX	±.0005
NO.	REVISION	BY & DATE	CHK	ANG	±1/2'
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
		DIST	SIZE		DRAWING NO.
			A		005190-01ME
			REV.		03



TITLE EXTERNAL WIRING DIAGRAM
STAR START - DELTA RUN
MAT'L. Y-CONNECTED START - DELTA CONNECTED RUN
FINISH SINGLE VOLTAGE



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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CUSTOMER: _____
ORDER #: _____
CONN. DIAGRAM: 005190
OUTLINE: SS622237
WINDING: T10704031 NONE 4
SPEED: _____

CUSTOMER P.O. #: _____
REFERENCE MODEL #: 132MTFC6537
CAT #: #VALUE!
CUSTOMER PART #: _____
MOUNTING: F3

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
10	7.5	1800	1765	132M	TEFC	TFC	N	N

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60	575	9.6	LINE OR INVERTER	CONT	F	1.15	40	3300

F.L. EFF	91.7	3/4 LD EFF	91.7	1/2 LD EFF	91.7	GTD EFF	ELECT. TYPE
F.L. PF	85.0	3/4 LD PF	80.5	1/2 LD PF	71.0	90.2	SQ CAGE INV RATED

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (° C)
29.8 LB-FT	74.0	60.0 LB-FT 201%	98.0 LB-FT 329%	40

@ 3 FT.	POWER	ROTOR WK ²	MAX. LOAD WK ²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
48 dBA	57 dBA	0.00 LB-FT ²	0 LB-FT ²	15 SEC.	2	180 LB.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	ZONTAL OR SHAFT D	TRUE	NONE	NO	NONE	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE	POLYREX EM	STANDARD IEC	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
BALL	BALL						
6308	6207						

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS
NONE	NOT	NONE	NONE	NONE	FALSE	NA

R1 (ohms/ph)	R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (in/sec)	FLOAT
0	0	0	0	0	0.150	ODE

* N O T E S *	INVERTER TORQUE: CONSTANT 2:1 INV. HP SPEED RANGE: 1.5 X BASE SPEED					
	ENCODER: NONE					
	NONE					
	NONE					
	NONE PPR					

PREPARED BY: EARL BABBITTS DATE: 13-07-17	BRAKE: NONE	
	NONE	NONE
	FT-LB: NA	
	VOLTAGE: NONE	HZ:
UL: V-INS, CONST UL REC		

FORM: 3531 REV_4 2/27/06

Data Sheet

Date: 6/29/2017

132MTFC6537

Customer: _____



Attention: _____

Submittal

Submitted by: FAREEDA DUDEKULA

Data @ 575 V

Motor Load Data

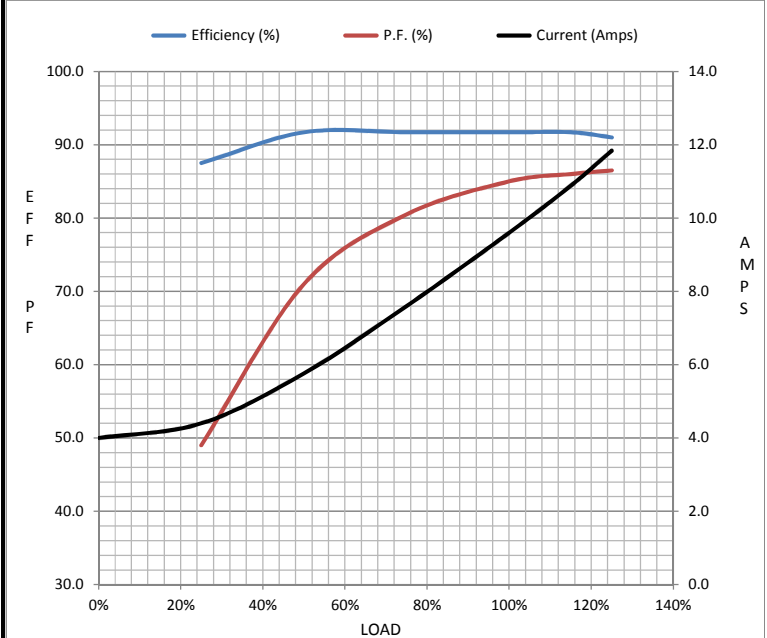
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	4.0	4.4	5.8	7.6	9.6	10.9	11.8	74.0
Torque (ft-lb)	0.00	7.3	14.7	22.2	29.8	34.3	37.4	60.0
RPM	1800	1790	1785	1775	1765	1,760	1755	0
Efficiency (%)		87.5	91.7	91.7	91.7	91.7	91.0	
P.F. (%)	5.5	49.0	71.0	80.5	85.0	86.0	86.5	40.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	750	1575	1765	1800
Current (Amps)	74.0	66.4	44.0	9.6	4.0
Torque (ft-lb)	60.0	57.0	98.0	29.8	0.00

Information Block

HP	10.0			
Sync. RPM	1800			
Frame	132			
Enclosure	TEFC			
Construction	TFC			
Voltage	575 V			
Frequency	60 Hz			
Design	A			
LR Code letter	N			
Service Factor	1.15			
Temp Rise @ FL	40 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.00 Lb-Ft ²			
Ref Wdg	T10704031 NONE			
Sound Pressure @ 1M	48 dBA			
VFD Rating	CONSTANT 2:1			
Outline Dwg	SS622237			
Conn. Diag	005190			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed -Torque Curve

