

# PRODUCT INFORMATION PACKET

Model No: 132STFC6501

Catalog No: R327A

7.50 HP General Purpose, 3 phase, 3600 RPM, 230/460 V, 132S Frame, TEFC  
Cast Iron TEFC Motors





**Nameplate Specifications**

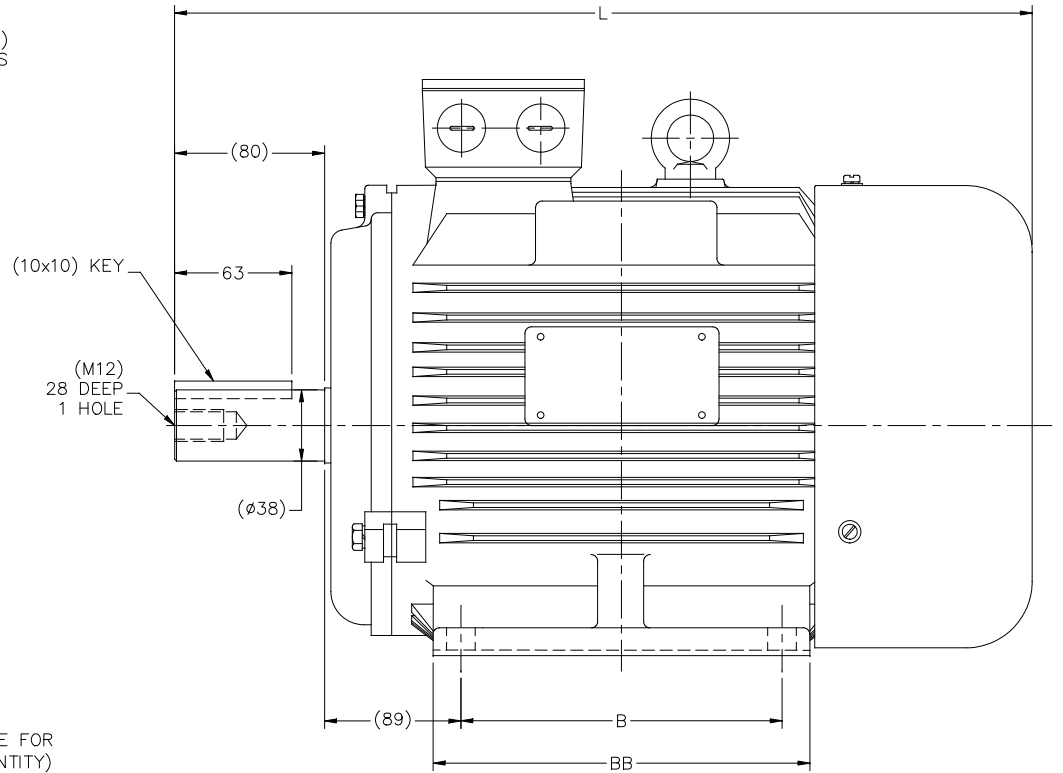
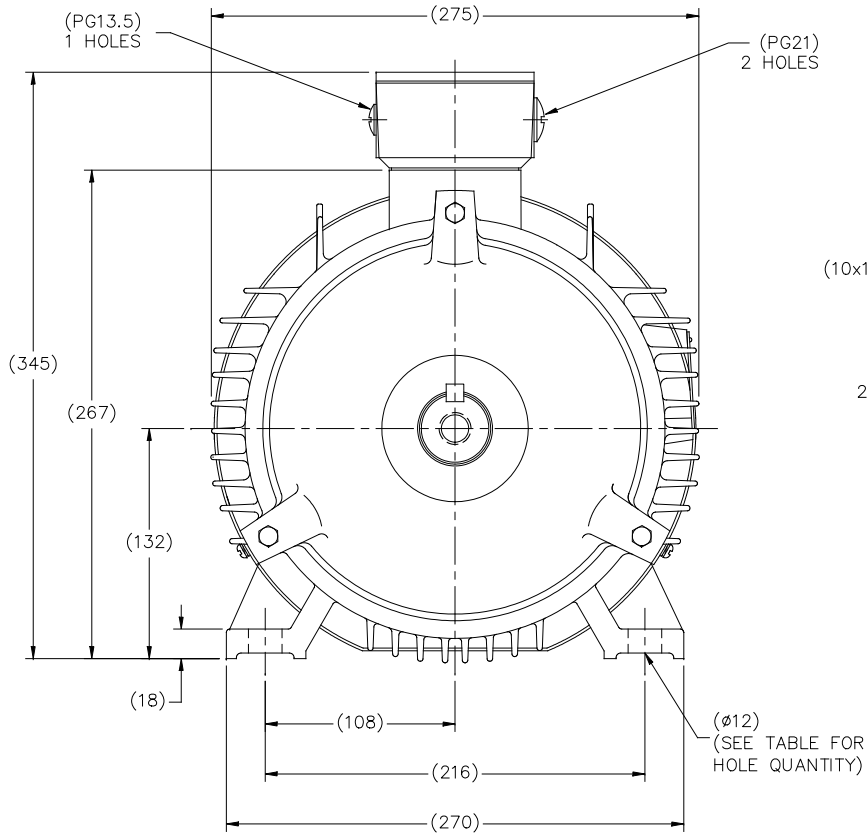
Output HP	<b>7.50 Hp</b>	Output KW	<b>5.6 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>230/460 V</b>
Current	<b>18.0/9.0 A</b>	Speed	<b>3540 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>3</b>
Efficiency	<b>89.5 %</b>	Power Factor	<b>87</b>
Duty	<b>Continuous</b>	Insulation Class	<b>F</b>
Design Code	<b>B</b>	KVA Code	<b>H</b>
Frame	<b>132S</b>	Enclosure	<b>Totally Enclosed Fan Cooled</b>
Thermal Protection	<b>No</b>	Ambient Temperature	<b>40 °C</b>
Drive End Bearing Size	<b>6208</b>	Opp Drive End Bearing Size	<b>6207</b>
UL	<b>No</b>	CSA	<b>N</b>
CE	<b>Y</b>	IP Code	<b>55</b>

**Technical Specifications**

Electrical Type	<b>Squirrel Cage Inverter Rated</b>	Starting Method	<b>Line Or Inverter</b>
Poles	<b>2</b>	Rotation	<b>Reversible</b>
Mounting	<b>Rigid Base</b>	Motor Orientation	<b>Horizontal</b>
Drive End Bearing	<b>Ball</b>	Opp Drive End Bearing	<b>Ball</b>
Frame Material	<b>Cast Iron</b>	Shaft Type	<b>IEC</b>
Overall Length	<b>18.26 in</b>	Shaft Diameter	<b>1.500 in</b>
Shaft Extension	<b>3.14 in</b>	Assembly/Box Mounting	<b>F3</b>
Outline Drawing	<b>SS622237</b>	Connection Drawing	<b>004172.03</b>

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SS622237



(DRAWING NOT TO SCALE)

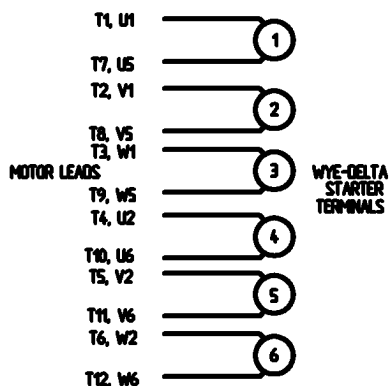
(DIMENSIONS ARE IN MILLIMETERS)

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

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

WYE - DELTA STARTING USEABLE ON 2,4 AND 6 POLE MOTORS.

LOW VOLTAGE CONNECTION

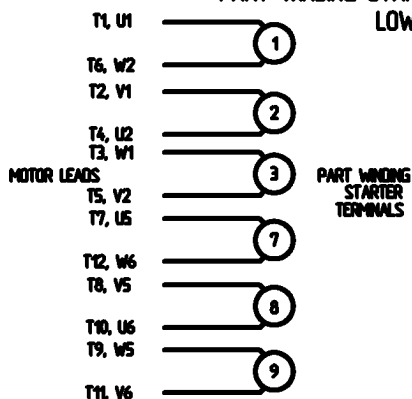


HIGH VOLTAGE CONNECTION



REFER TO THE WYE-DELTA STARTER CONNECTION INSTRUCTIONS FOR PROPER CONNECTION OF POWER LINES TO STARTER.

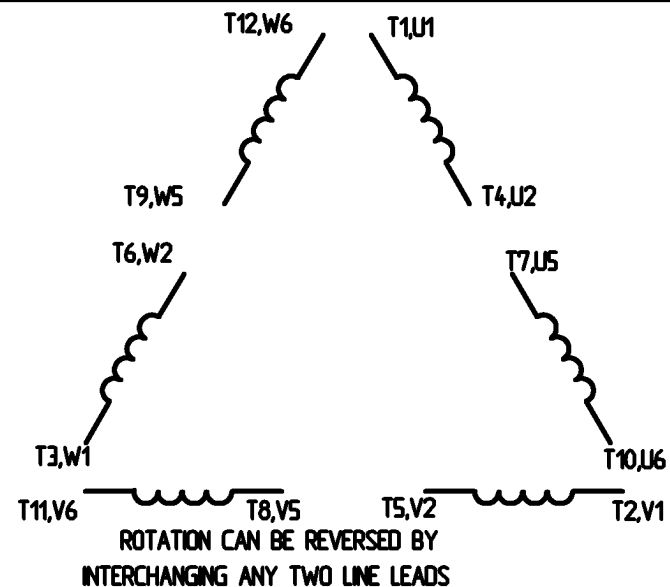
PART WINDING START USABLE ON 4 & 6 POLE MOTORS  
LOW VOLTAGE CONNECTION ONLY



REFER TO THE PART WINDING STARTER INSTRUCTIONS FOR PROPER CONNECTION OF POWER LINES TO STARTER.

REFER TO THE CUTLER - HAMMER OR EQUIV. FOR PROPER SELECTION OF OVERLOAD HEATER COILS.

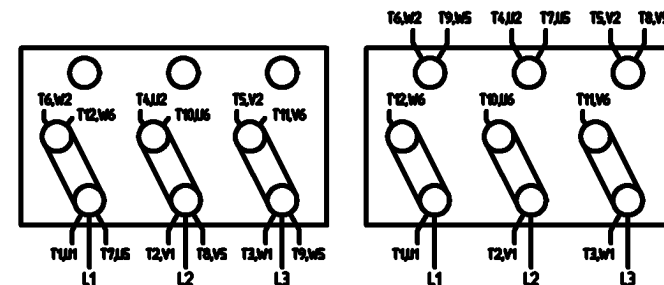
LINE LEADS




12 LEAD DELTA CONNECTION ACROSS THE LINE START  
(FOR Y START DELTA RUN, REMOVE THE JUMPERS)

LOW VOLTAGE  
MUST BE REWIRED  
AS SHOWN

HIGH VOLTAGE  
FACTORY WIRED FOR HIGH  
VOLTAGE AS SHOWN



				TOLERANCES UNLESS SPECIFIED		 <b>ELECTRIC MOTORS GEARMOTORS AND DRIVES</b>	DRAWN <b>CW 08/28/02</b> CHK APPD SCALE <b>1:1</b> REF FMF PREV
				DEC.	INCHES		TITLE <b>DELTA - WYE CONNECTION DIAGRAM IEC CAST IRON MOTORS</b>
				X	+ .1		
				XX	+ .01		
				XXX	+ .005		
				XXXX	+ .0005	MAT'L	
NO.	REVISION	BY & DATE	CHK	ANG	+ 1/2°	FINISH	PREV
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				DST			DRAWING NO. <b>004172-03</b>
							REV.

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ERROR: syntaxerror  
OFFENDING COMMAND: --nostringval--
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STACK:
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/CB  
-dictionary-  
/Pscript_WinNT_Compact  
-dictionary-
```



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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CUSTOMER: \_\_\_\_\_  
 ORDER #: 004172.03  
 CONN. DIAGRAM: SS622237  
 WINDING: T10702025 NONE 3  
 SPEED: \_\_\_\_\_

CUSTOMER P.O. #: \_\_\_\_\_  
 REFERENCE MODEL #: 132STC06S01  
 CAT #: R327A  
 CUSTOMER PART #: \_\_\_\_\_  
 MOUNTING: F3

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN	
7.5	5.6	3600	3540	132S	TEFC	TFC	H	N	
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	230/460#200/400	18/9&14.4/7.2	LINE OR INVERTER	CONT	F	1.15	40	3300
	F.L. EFF	89.5	3/4 LD EFF	89.5	1/2 LD EFF	87.5	GTD EFF		ELECT. TYPE
	F.L. PF	87.0	3/4 LD PF	84.0	1/2 LD PF	76.0	86.5		SQ CAGE INV RATED
	F.L. TORQUE	LR AMPS @ 460 V	LR TORQUE	BD. TORQUE	F.L. RISE (° C)				
	11.1 LB-FT	62.0	20.5 LB-FT	185%	35.2 LB-FT	317%	40		
	@ 3 FT.	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT		
	65 DBA	74 DBA	0.00 LB-FT²	0 LB-FT²	20 SEC.	0	155 LB.		

\*\*\* SUPPLEMENTAL INFORMATION \*\*\*

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	UM SEVERE	NONE	NO	NONE	BLUE (ENAMEL)
BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	MATERIAL	FRAME MATERIAL	
DE ODE								
BALL BALL	POL YREX EM	STANDARD IEC	NONE	NONE	1045 HOT ROLLED (C-204		CAST IRON	
6208	6206							
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	0.080	ODE		

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

ENCODER:	NONE
BRAKE:	NONE
FT-LB:	NA
VOLTAGE:	NONE
HZ:	NONE

PREPARED BY: EARL BABBITTS  
 DATE: 13-07-17

FORM: 3531 REV. 4 2/27/06

Data Sheet

1325TFC6501



Submittal  
Data @ 460 V

Date: 6/20/2017

Customer:   
Attention:   
Submitted by: FAREEDA DUDEKULA

Motor Load Data

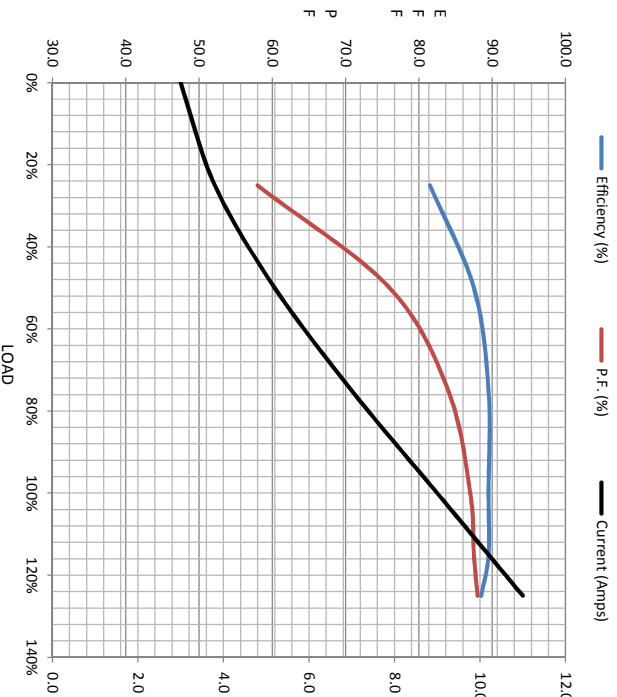
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	3.0	3.8	5.2	7.0	9.0	10.2	11.0	62.0
Torque (ft-lb)	0.00	2.80	5.5	8.3	11.1	12.8	13.9	20.5
RPM	3600	3588	3572	3558	3540	3532	3522	0
Efficiency (%)		81.5	87.5	89.5	89.5	89.5	88.5	
P.F. (%)	12.0	58.0	76.0	84.0	87.0	87.5	88.0	42.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (rpm)	0	1800	3250	3540	3600
Current (Amps)	62.0	58.0	38.5	9.0	3.0
Torque (ft-lb)	20.5	19.0	35.2	11.1	0.00

Information Block

HP	7.5
Sync. RPM	3600
Frame	132
Enclosure	TEFC
Construction	TFC
Voltage	30/460#200/40 V
Frequency	60 Hz
Design	B
LR Code letter	H
Service Factor	1.15
Temp Rise @ FL	40 °C
Duty	CONT
Ambient	40 °C
Elevation	1,000 feet
Rotor/Shaft wkt	0.00 Lb-Fe
Rel Wdg	T10702025 NONE
Sound Pressure @ 1M	65 dBA
VFD Rating	CONSTANT 20:1
Outline Dwg	SS622237
Conn. Diag	004172.03
Additional Specifications:	
0	
EQUIV CKT (OHMS / PHASE)	
R1	R2
0.00000	0.00000
X1	X2
0.00000	0.00000
Xm	
0.00000	



Speed -Torque Curve

