

PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 132STFC6526

Catalog No: R328A

7.50 HP General Purpose, 3 phase, 1800 RPM, 230/460 V, 132S Frame, TEFC
Cast Iron TEFC Motors



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REGAL



Nameplate Specifications

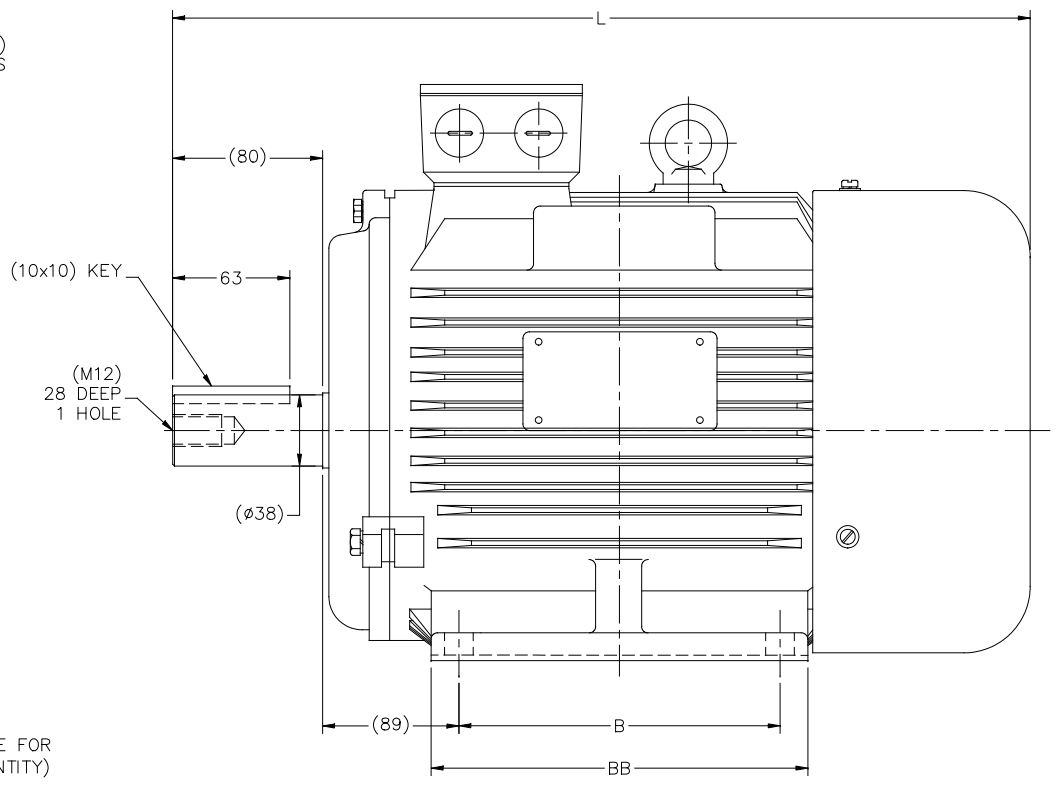
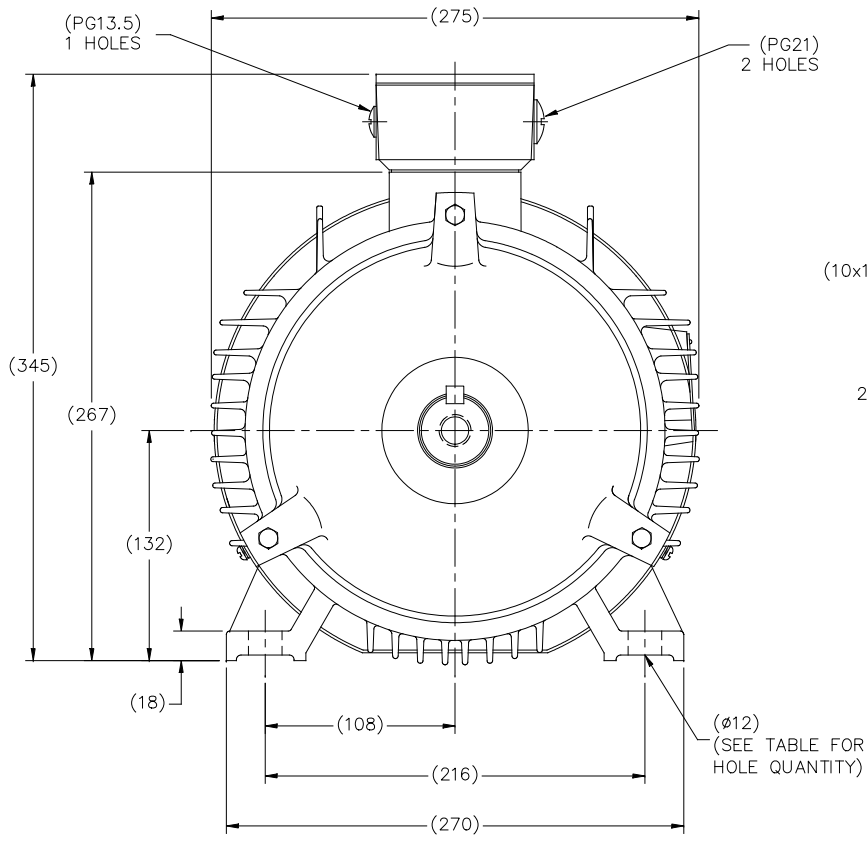
Output HP	7.50 Hp	Output KW	5.6 kW
Frequency	60 Hz	Voltage	230/460 V
Current	18.4/9.2 A	Speed	1770 rpm
Service Factor	1.15	Phase	3
Efficiency	92.4 %	Power Factor	82.5
Duty	Continuous	Insulation Class	F
Design Code	N (IEC)	KVA Code	J
Frame	132S	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6308	Opp Drive End Bearing Size	6207
UL	Recognized	CSA	N
CE	Y	IP Code	55

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.399 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	18.26 in
Shaft Diameter	1.500 in	Shaft Extension	3.14 in
Assembly/Box Mounting	F3		
Outline Drawing	SS622237	Connection Drawing	00417203ME

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SS622237



(DRAWING NOT TO SCALE)

(DIMENSIONS ARE IN MILLIMETERS)

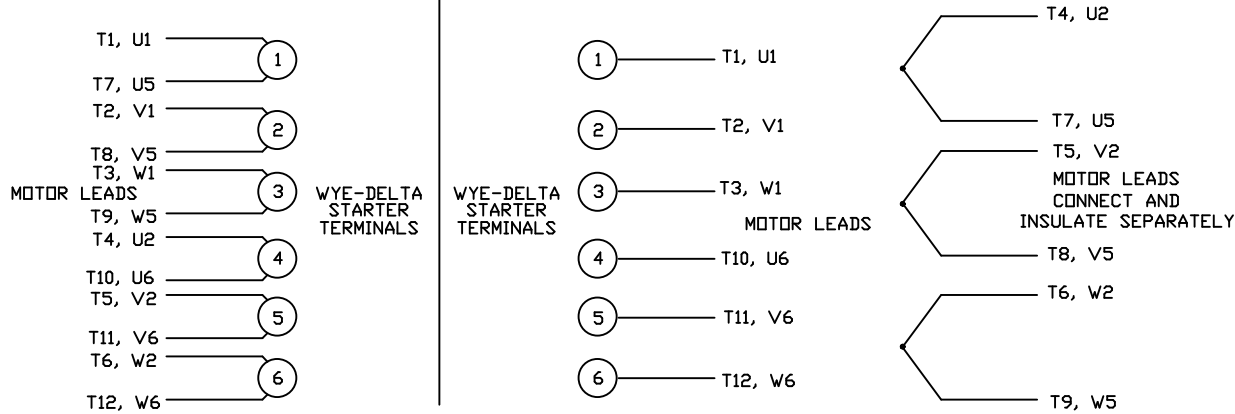
DF132S	4	461	140	186
DF132M	4	499	178	224
FRAME	# HOLES	L	B	BB

		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.

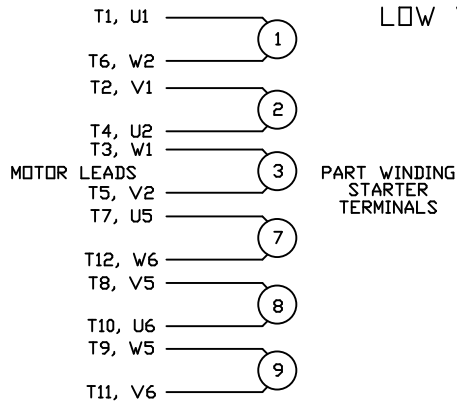
LOW VOLTAGE CONNECTION

HIGH VOLTAGE CONNECTION



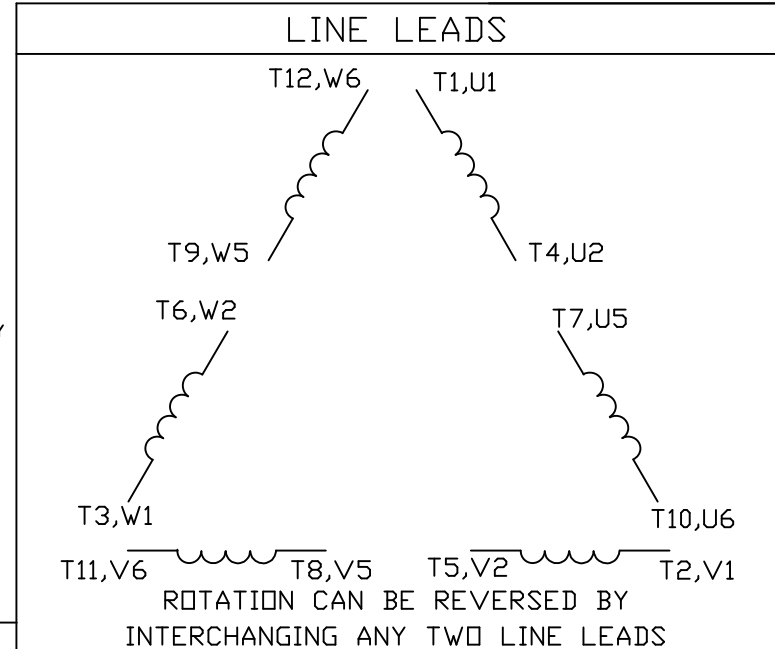
REFER TO THE WYE-DELTA STARTER CONNECTION INSTRUCTIONS FOR PROPER CONNECTION OF POWER LINES TO STARTER.

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.

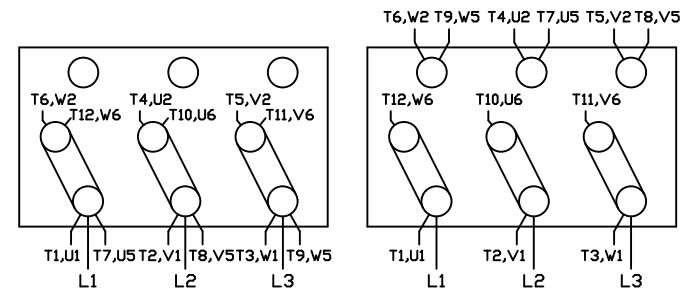
REFER TO THE CUTLER - HAMMER OR EQUIV. FOR PROPER SELECTION OF OVERLOAD HEATER COILS.



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

DEC. INCHES

.X ±.1

.XX ±.01

.XXX ±.005

.XXXX ±.0005

ANG ±1/2*



TITLE DELTA - WYE CONNECTION DIAGRAM
IEC CAST IRON MOTORS

DRAWN CJW 08/28/02

CHK

APPD

SCALE 1=1

REF

FMF

PREV

NO. REVISION BY & DATE

CHK ANG

FINISH

SIZE DRAWING NO. REV.

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RFP

CAD FILE 00417203ME

A 004172-03ME

DIST



P.O. BOX 9003
WAUSAU, WI 54401-9003
PH. 715-675-3311

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CUSTOMER: _____
 ORDER #: _____
 CONN. DIAGRAM: 00417203ME
 OUTLINE: SS622237
 WINDING: T10704028 NONE 3
 SPEED: _____
 CUSTOMER P.O. #: _____
 REFERENCE MODEL #: 132STFC6526
 CAT #: R328A
 CUSTOMER PART #: _____
 MOUNTING: F3

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN	
7.5	5.6	1800	1770	132S	TEFC	TEFC	J	N	
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	230/460#200/400	18.4/9.28/15.2/7.6	LINE OR INVERTER	CONT	F	1.15	40	3300

F.L. EFF	F.L. PF	3/4 LD EFF	3/4 LD PF	92.4	77.5	1/2 LD EFF	1/2 LD PF	91.0	66.5	GTD EFF	91.0	ELECT. TYPE
92.4	82.5	92.4	82.5	92.4	77.5	91.0	66.5	91.0	66.5	91.0	91.0	SO CAGE INV RATED

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)
22.2 LB-FT	71.5	47.0	80.0 LB-FT	360%
				30

@ 3 FT.	POWER	ROTOR WK ³	MAX. LOAD WK ²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
47 DBA	56 DBA	0.00 LB-FT ²	0 LB-FT ²	20 SEC.	2	140 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 BALL 6308	POLYREX EM	STANDARD IEC	NONE	NONE	1045 HOT ROLLED (C-204		CAST IRON

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 ODE
0	0	0	0	0	0.080	ODE

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

ENCODER: NONE	NONE	NONE	NONE	BRAKE: NONE	NONE	NONE	NONE	PPR
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PREPARED BY: EARL BABBITTS
 DATE: 5/5/2017

FORM: 3531 REV_4 2/27/06

UL: VINS, CONST UL REC

Data Sheet

Date: 29-06-2017
 Customer: _____
 Attention: _____
 Submitted by: FAREEDA DUDEKULA



132STFC6526

Submittal

Data @ 460 V

Motor Load Data

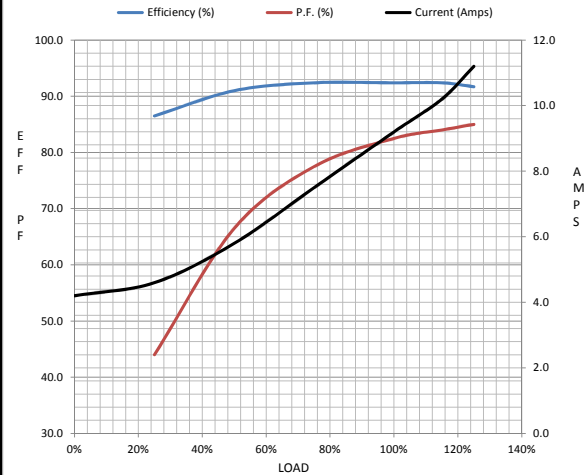
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	4.2	4.6	5.8	7.5	9.2	10.2	11.2	71.5
Torque (ft-lb)	0.00	5.5	11.0	16.8	22.2	25.5	27.8	47.0
RPM	1800	1795	1788	1778	1770	1,765	1760	0
Efficiency (%)		86.5	91.0	92.4	92.4	91.7		
P.F. (%)	5.5	44.0	66.5	77.5	82.5	84.0	85.0	40.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1585	1770	1800
Current (Amps)	71.5	65.0	42.5	9.2	4.2
Torque (ft-lb)	47.0	40.0	80.0	22.2	0.00

Information Block

HP	7.5			
Sync. RPM	1800			
Frame	132			
Enclosure	TEFC			
Construction	TFC			
Voltage	30/460#200/40V			
Frequency	60 Hz			
Design	A			
LR Code letter	J			
Service Factor	1.15			
Temp Rise @ FL	30 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.00 Lb-FT ²			
Ref Wdg	T10704028 NONE			
Sound Pressure @ 1M	47 dBA			
VFD Rating	CONSTANT 20:1			
Outline Dwg	SS622237			
Conn. Diag	00417203ME			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed -Torque Curve

