PRODUCT INFORMATION PACKET

Model No: 132MTFC6587
Catalog No: R329A
Globetrotter® IEC Cast Iron Motor, 7.50 & 5 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 1200 & 1000 RPM, 132M Frame, TEFC

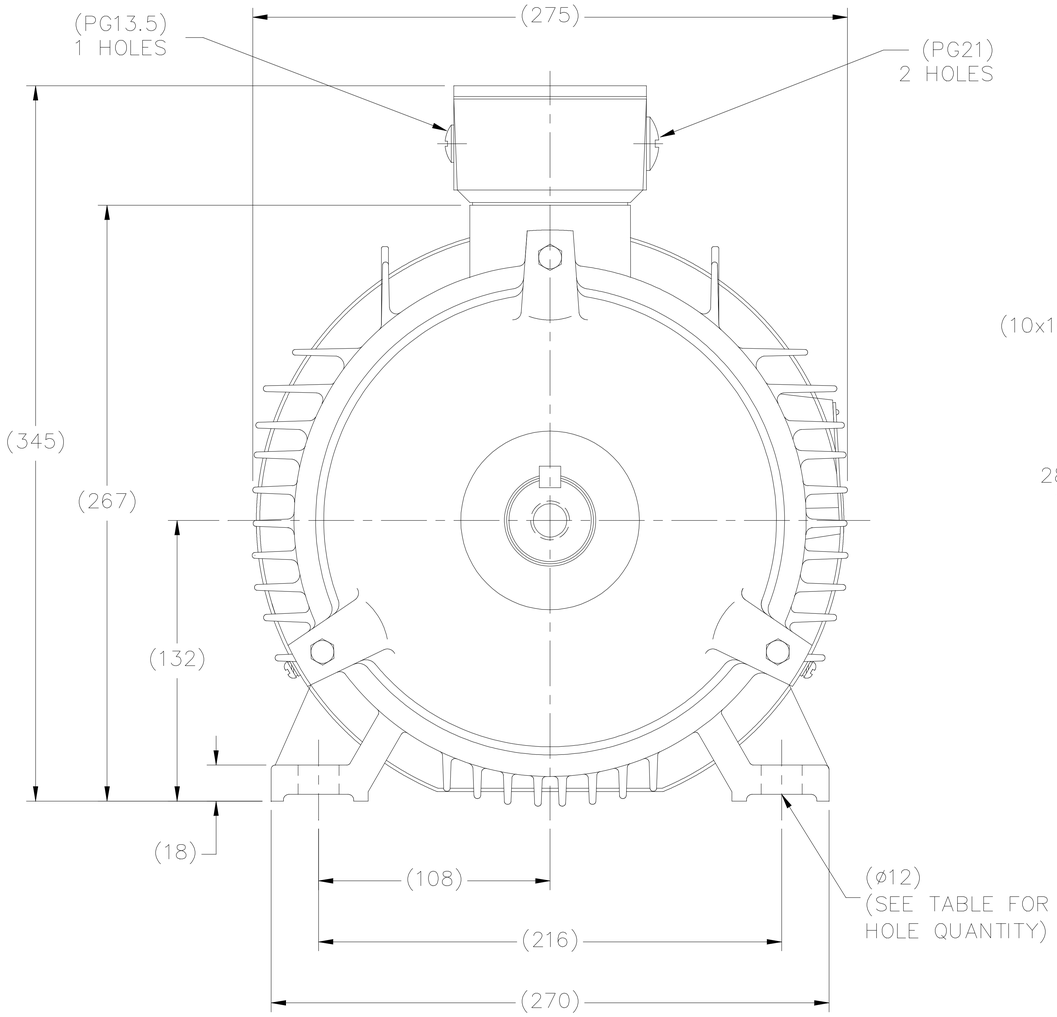
Nameplate Specifications

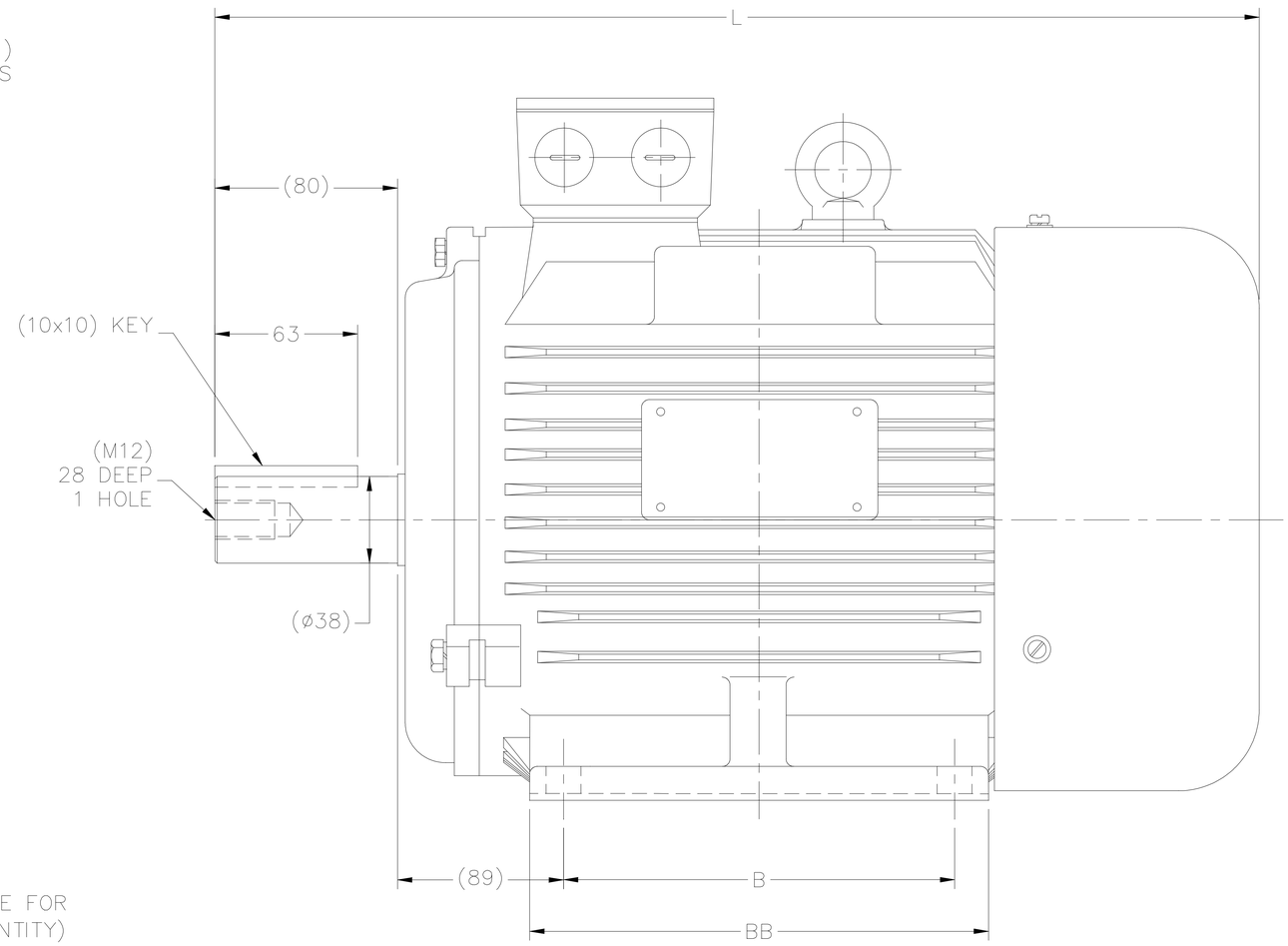
Phase	3	Output HP	7.50 & 5 Hp
Output KW	5.6 & 3.7 kW	Voltage	230/460 & 200/400 V
Speed	1185 & 990 rpm	Service Factor	1.15 & 1.15
Frame	132M	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	91 & 90.2 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	21.6/10.8 & 19/9.5 A	Power Factor	72
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	H
Drive End Bearing Size	6308	Opp Drive End Bearing Size	6207
UL	Recognized	CSA	Y
CE	Y	IP Code	55
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	6	Rotation	Reversible
Resistance Main	0 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	19.76 in
Shaft Diameter	1.500 in	Shaft Extension	3.14 in
Assembly/Box Mounting	F3	Inverter Load	CONSTANT 20:1
Outline Drawing	SS622237	Connection Drawing	004172.03

SS622237





(DRAWING NOT TO SCALE)

(DIMENSIONS ARE IN MILLIMETERS)

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

NO.	REVISION	BY & DATE	CHK
4	TABLE AND DIMENSIONS UPDATED	NK 07-05-18	NK
3	(4) FOOT HOLES WERE (6) ECO-0130304	WGJ 10-2-17	EMH
2	REM CAT# FROM BLOCK-FOR CAT# SEE SS622237-CAT	MOL 11-29-12	
1	REV PG13.5 HOLES WERE 2 QTY	MOL 09-24-12	

TOLERANCES UNLESS SPECIFIED

ANG	DEC.	METRIC
±7'30"	.X	±2.5
	.XX	±.76
	.XXX	±.127
	.XXXX	±.0127

Regal Beloit America, Inc.

DRAWN MSG 11-16-2010
CHK MJS 11-18-2010
APPD SB 11-18-2010
SCALE NONE
REF
FMF HEBEI
PREV

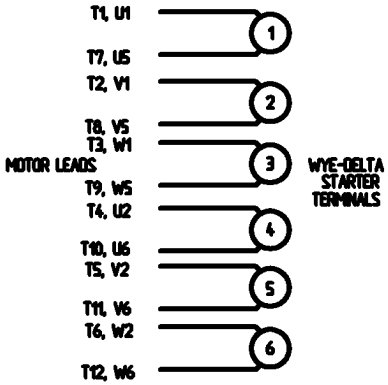
TITLE OUTLINE – IEC PREMIUM DF132-R FRAME
MAT'L.
FINISH
CAD FILE SS622237
RFP 11-18-2010
DIST

SIZE B | DRAWING NO. SS622237 | PAGE OF | REV. H

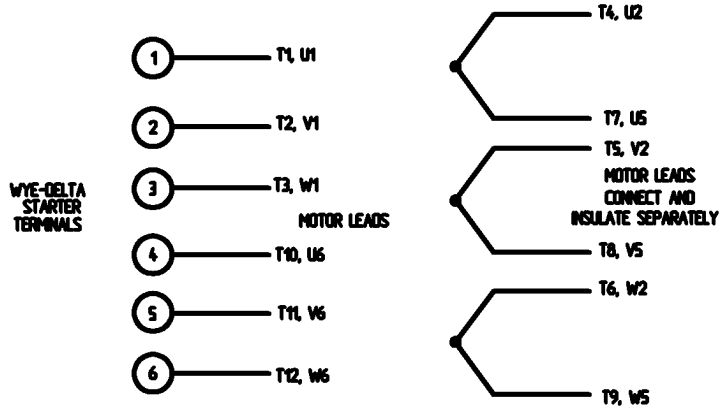
004172-03

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

LOW VOLTAGE CONNECTION

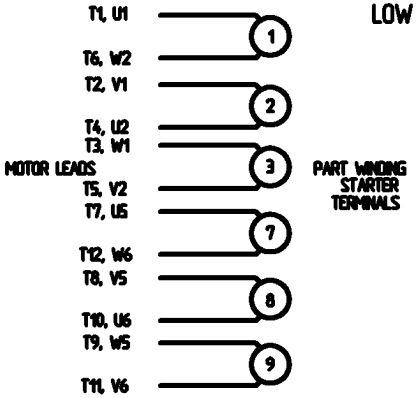


HIGH VOLTAGE CONNECTION



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

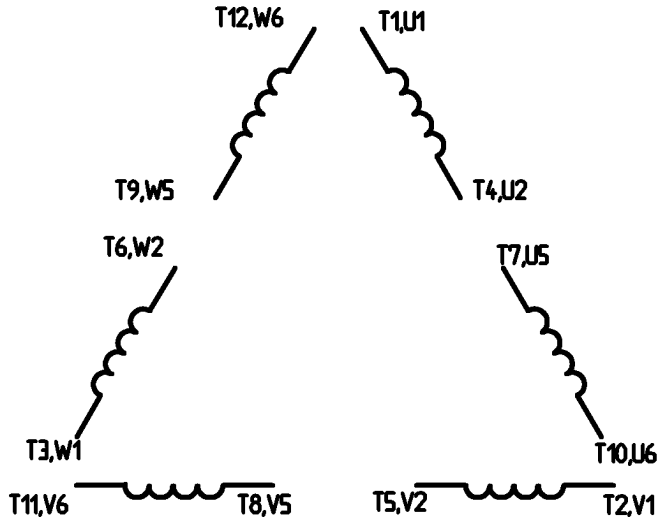
PART WINDING START USABLE ON 4 & 6 POLE MOTORS
LOW VOLTAGE CONNECTION ONLY



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

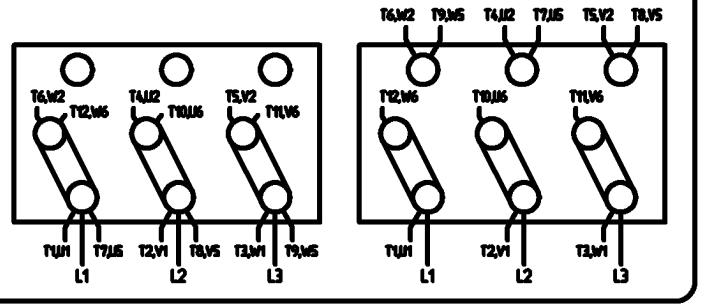


ROTATION CAN BE REVERSED BY INTERCHANGING ANY TWO LINE LEADS

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				
				DEC.	INCHES	LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN	CJW 08/28/02
				X	± .1		CHK	
				XX	± .01		APPD	
				XXX	± .005	TITLE DELTA - WYE CONNECTION DIAGRAM IEC CAST IRON MOTORS	SCALE	1=1
				XXXX	± .0005		REF	
				ANG	± 1/2°	MAT'L	FMF	
NO.	REVISION	BY & DATE	CHK			FINISH	PREV	

RFP	CAD FILE 00417203	SIZE A	DRAWING NO. 004172-03	REV.
DIST				

```
ERROR: syntaxerror
OFFENDING COMMAND: --nostringval--

STACK:

/CB
-dictionary-
/Pscript_WinNT_Compat
-dictionary-
```

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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CUSTOMER:
ORDER #:
CONN. DIAGRAM: 004172.03
OUTLINE: SS622237
WINDING: T10706011 NONE 3
SPEED:

CUSTOMER P.O. #:
REFERENCE MODEL #: 132MTFC6587
CAT #: #VALUE!
CUSTOMER PART #:
MOUNTING: F3

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
7.5	5.6	1200	1185	132M	TEFC	TFC	H	N

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	230/460#200/400	21/10.5&19/9.5	LINE OR INVERTER	CONT	F	1.15	40	3300

F.L. EFF	91.0	3/4 LD EFF	91.0	1/2 LD EFF	89.5	GTD EFF	ELECT. TYPE
F.L. PF	72.0	3/4 LD PF	65.0	1/2 LD PF	52.0	90.2	SQ CAGE INV RATED

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (° C)
33.2 LB-FT	74.5	65.0 LB-FT 196%	108 LB-FT 325%	40

@ 3 FT.	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
60 dBA	69 dBA	0.00 LB-FT²	0 LB-FT²	0 SEC.	0	240 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 DE	BEARINGS ODE	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
BALL 6308	BALL 6207	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
0	0	0	0	0	0.080	ODE

*
NOTES
*

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

ENCODER: NONE
NONE
NONE NONE PPR

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

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

FORM: 3531 REV_4 2/27/06

UL: Y-(LEESON UL REC)

Data Sheet

Date: 6/29/2017
Customer:
Attention:
Submitted by: FAREEDA DUDEKULA

marathon electric

132MTFC6587

Submittal

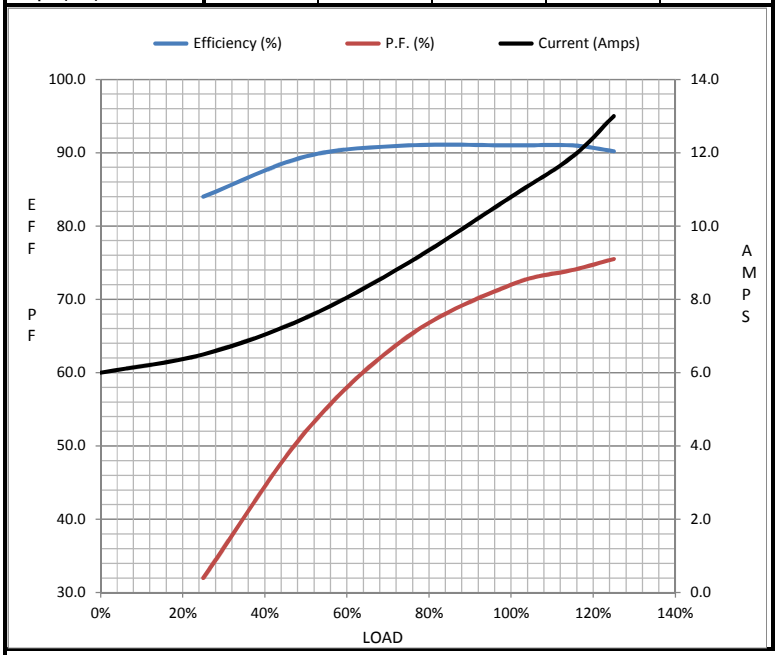
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	6.0	6.5	7.5	9.0	10.8	11.9	13.0	74.5	
Torque (ft-lb)	0.00	8.2	16.5	25.0	33.2	38.5	41.8	65.0	
RPM	1200	1198	1192	1188	1185	1,182	1180	0	
Efficiency (%)		84.0	89.5	91.0	91.0	91.0	90.2		
P.F. (%)	5.0	32.0	52.0	65.0	72.0	74.0	75.5	42.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	1055	1185	1200
Current (Amps)	74.5	70.0	41.0	10.8	6.0
Torque (ft-lb)	65.0	58.0	108	33.2	0.00



Information Block

HP	7.5
Sync. RPM	1200
Frame	132
Enclosure	TEFC
Construction	TFC
Voltage	230/460#200/400V
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 wk²	0.00 Lb-Ft²
Ref Wdg	T10706011 NONE
Sound Pressure @ 1M	60 dBA
VFD Rating	CONSTANT 20:1
Outline Dwg	SS622237
Conn. Diag	004172.03
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