

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 132STFC6526

Catalog No: R328A

Globetrotter® IEC Cast Iron Motor, 7.50 & 5 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V,
1800 & 1500 RPM, 132S Frame, TEFC



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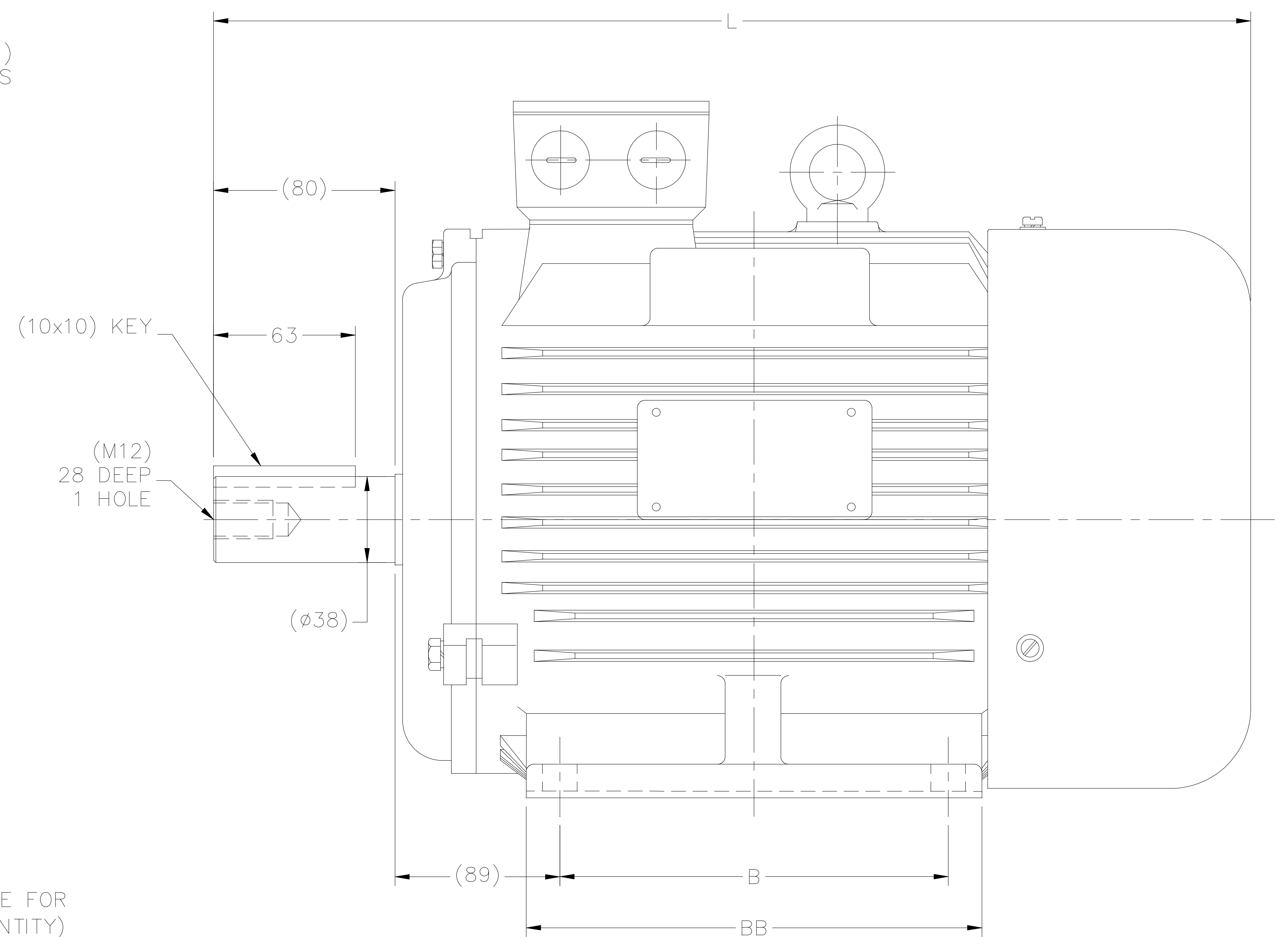
RegalRexnord

Nameplate Specifications

Phase	3	Output HP	7.50 & 5 Hp
Output KW	5.6 & 3.7 kW	Voltage	230/460 & 200/400 V
Speed	1770 & 1480 rpm	Service Factor	1.15 & 1.15
Frame	132S	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	92.4 & 92.4 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	18.4/9.2 & 15.2/7.6 A	Power Factor	82.5
Duty	Continuous	Insulation Class	F
Design Code	N (IEC)	KVA Code	J
Drive End Bearing Size	6308	Opp Drive End Bearing Size	6207
UL	Recognized	CSA	N
CE	Y	IP Code	55
Number of Speeds	1		

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	Inverter Load	CONSTANT 20:1
Connection Drawing	00417203ME	Outline Drawing	SS622237



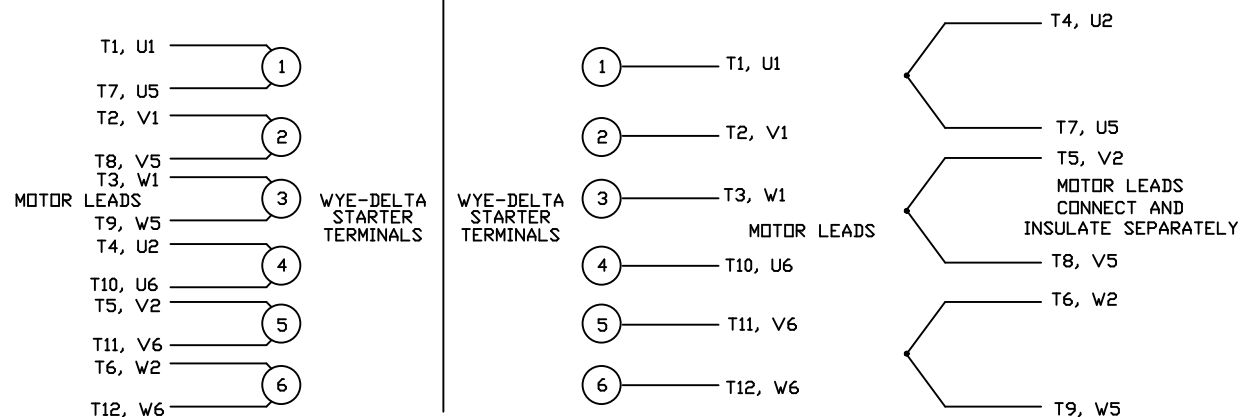
(DIMENSIONS ARE IN MILLIMETERS)

				TOLERANCES UNLESS SPECIFIED		 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	REM 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		.XXX	±.0127				FMF	HEBEI				
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	DRAWING NO.	PAGE	OF	REV.
						DIST				B	SS622237			

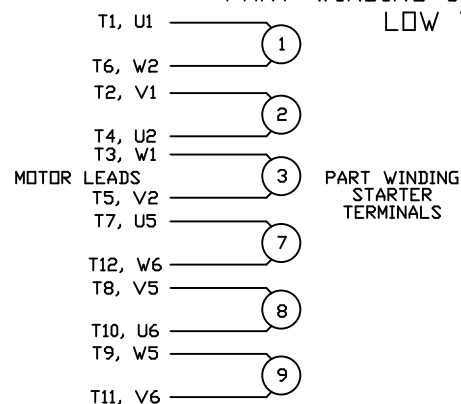
WYE - DELTA STARTING USEABLE ON 2,4 AND 6 POLE MOTORS.

LOW VOLTAGE CONNECTION

HIGH VOLTAGE CONNECTION



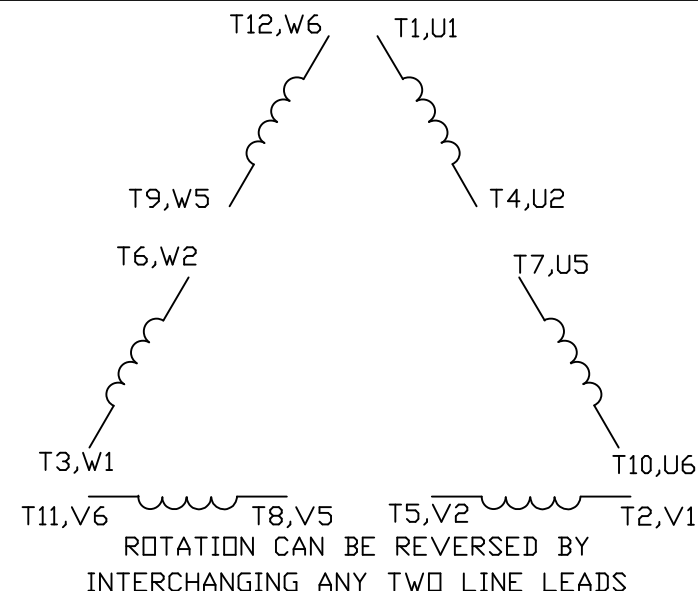
REFER TO THE WYE-DELTA STARTER CONNECTION INSTRUCTIONS FOR PROPER CONNECTION OF POWER LINES TO STARTER.

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.

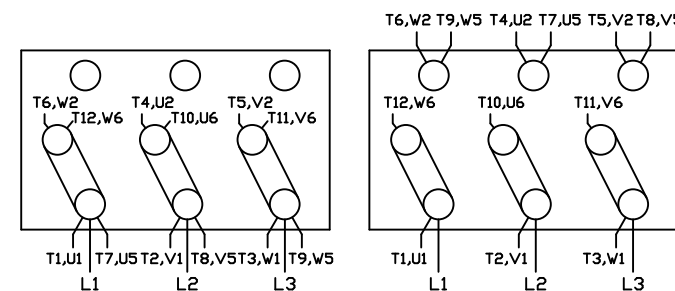
LINE LEADS



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

DEC. INCHES

.X ±.1

.XX ±.01

.XXX ±.005

.XXXX ±.0005

ANG ±1/2°



TITLE DELTA - WYE CONNECTION DIAGRAM
IEC CAST IRON MOTORS

MAT'L.

FINISH

DRAWN CJW 08/28/02

CHK

APPD

SCALE 1=1

REF

FMF

PREV

NO. REVISION BY & DATE

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RFP

DIST

CAD FILE 00417203ME

SIZE

A

DRAWING NO.

004172-03ME

REV.



P.O. BOX 8003
WAUSAU, WI 54401-8003
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	TFC	J	N

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	230/460#200/400	18.4/9.2&15.2/7.6	LINE OR INVERTER	CONT	F	1.15	40	3300

F.L. EFF	92.4	3/4 LD EFF	92.4	1/2 LD EFF	91.0	GTD EFF		ELECT. TYPE	
F.L. PF	82.5	3/4 LD PF	77.5	1/2 LD PF	66.5		91.0	SQ 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 LB-FT 212%	80.0 LB-FT 360%	30	

@ 3 FT.	POWER	ROTOR WK ²	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 ODE						
BALL BALL	POLYREX EM	STANDARD IEC	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
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	0.080	ODE

* N O T E S *		INVERTER TORQUE: CONSTANT 20:1 INV. HP SPEED RANGE: 1.5 X BASE SPEED
	ENCODER: NONE NONE NONE	NONE PPR

PREPARED BY: EARL BABBITTS DATE: 5/5/2017	BRAKE: NONE NONE FT-LB: NA VOLTAGE: NONE UL: V-INS, CONST UL REC	HZ:
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FORM: 3531 REV_4 2/27/06

Data Sheet

Date: 29-06-2017

Customer:

Attention:

Submitted by: FAREEDA DUDEKULA

132STFC6526



Submittal

Data @ 460 V

Motor Load Data

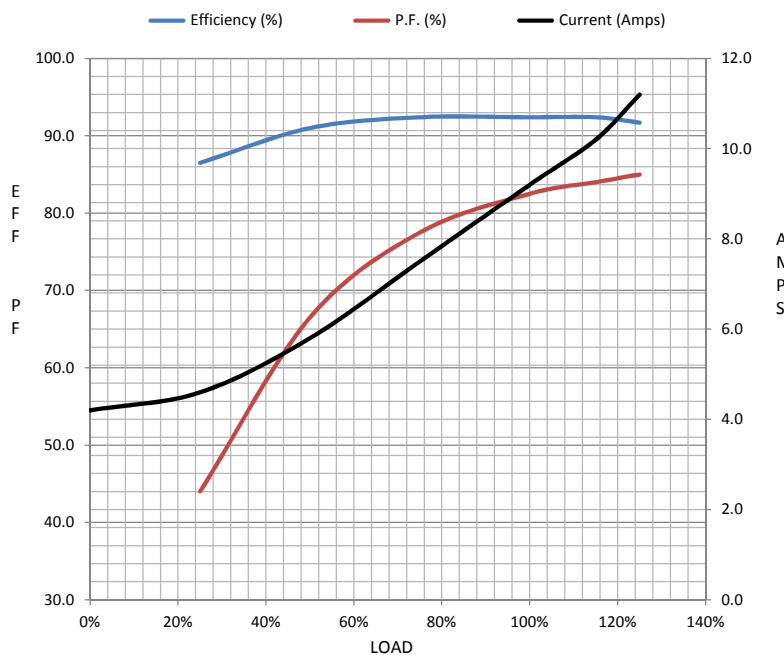
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	4.2	4.6	5.8	7.5	9.2	10.2	11.2	71.5	
Torque (ft-lb)	0.00	5.5	11.0	16.8	22.2	25.5	27.8	47.0	
RPM	1800	1795	1788	1778	1770	1,765	1760	0	
Efficiency (%)		86.5	91.0	92.4	92.4	92.4	91.7		
P.F. (%)	5.5	44.0	66.5	77.5	82.5	84.0	85.0	40.0	

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	230/460#200/40(V			
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

