

# PRODUCT INFORMATION PACKET

Model No: 090ST17FH6417  
Catalog No: R376A  
1 1/2,1800,TEFC,90SC,3/60/230/460  
TEFC



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### Nameplate Specifications

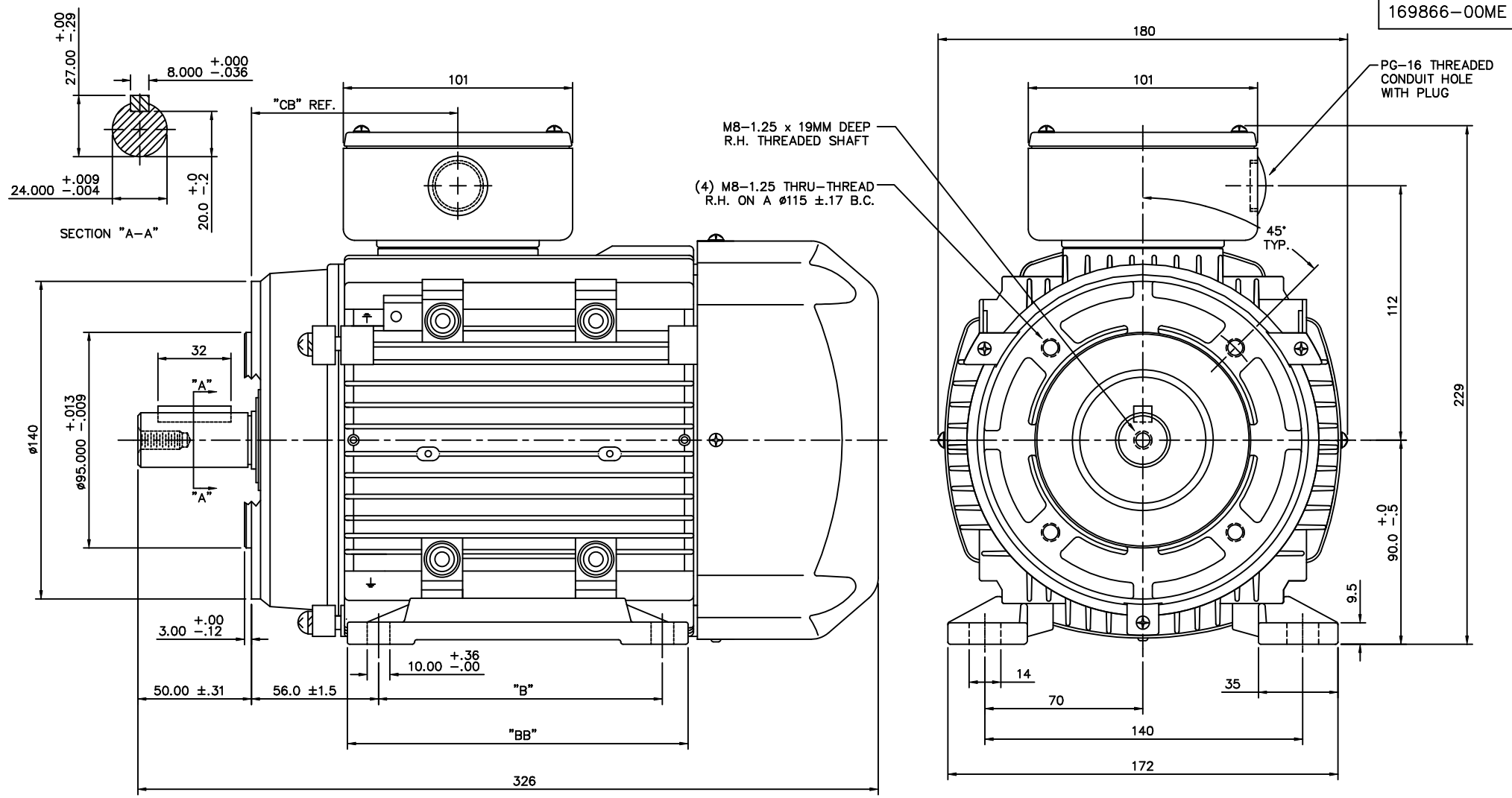
Output HP	<b>1.50 Hp</b>	Output KW	<b>1.1 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>230/460 V</b>
Current	<b>4.2/2.1 A</b>	Speed	<b>1745 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>3</b>
Efficiency	<b>86.5 %</b>	Duty	<b>Continuous</b>
Insulation Class	<b>F</b>	Design Code	<b>B</b>
KVA Code	<b>J</b>	Frame	<b>90S</b>
Enclosure	<b>Totally Enclosed Fan Cooled</b>	Overload Protector	<b>No</b>
Ambient Temperature	<b>40 °C</b>	Drive End Bearing Size	<b>6205</b>
Opp Drive End Bearing Size	<b>6205</b>	UL	<b>Recognized</b>
CSA	<b>Y</b>	CE	<b>Y</b>
IP Code	<b>43</b>		

### Technical Specifications

Electrical Type	<b>Squirrel Cage Inverter Rated</b>	Starting Method	<b>Line Or Inverter</b>
Poles	<b>4</b>	Rotation	<b>Reversible</b>
Mounting	<b>B3</b>	Motor Orientation	<b>Horizontal</b>
Drive End Bearing	<b>Ball</b>	Opp Drive End Bearing	<b>Ball</b>
Frame Material	<b>Aluminum</b>	Shaft Type	<b>IEC</b>
Overall Length	<b>12.83 in</b>	Shaft Diameter	<b>1.000 in</b>
Shaft Extension	<b>1.96 in</b>	Assembly/Box Mounting	<b>F3</b>
Outline Drawing	<b>16986600ME</b>	Connection Diagram	<b>005465.01</b>

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169866-00ME



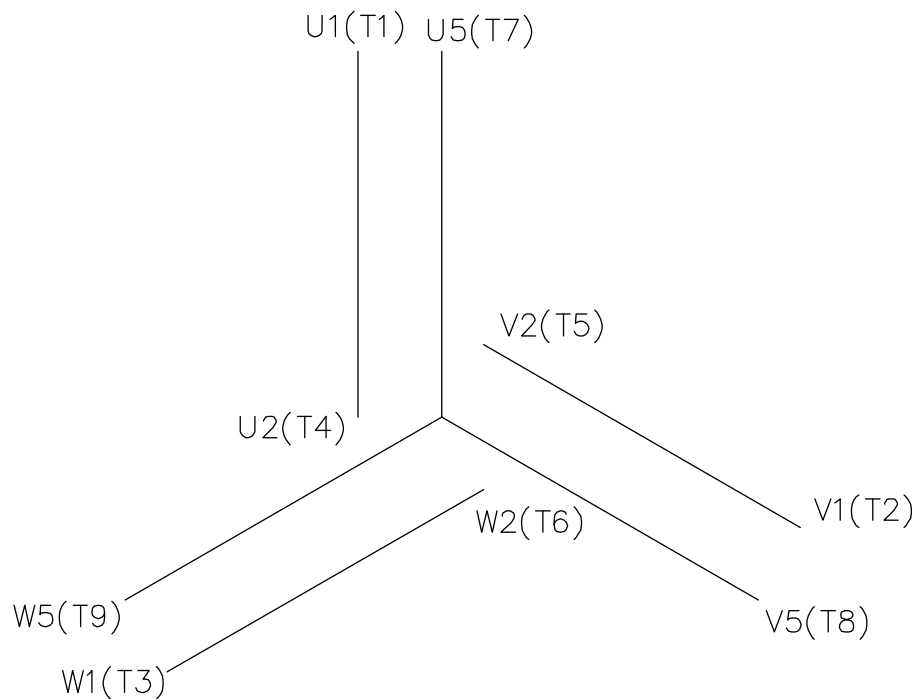
FRAME DESIGN	"B"	"BB"	"CB"
90L	125 $\pm$ 0.7	150	91
90S	100 $\pm$ 0.7	125	79
XXX	XXX	XXX	XXX

TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC		DRAWN	ADS 01/30/02				
DEC.	METRIC			CHK					
.X	$\pm 2.5$	TITLE		APPD	SCALE				
.XX	$\pm .76$	IEC-90 FRAME RIGID W/B14 FLANGE			1=1.6				
.XXX	$\pm .127$	MAT'L		REF	OSVC-300-559				
.XXXX	$\pm .0127$	ALUMINUM		FMF	LE STOCK				
NO.	REVISION	BY & DATE	CHK	ANG	$\pm 1/2^\circ$	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	CAD FILE		16986600ME	SIZE	DRAWING NO.	REV.
			DIST				B	169866-00ME	

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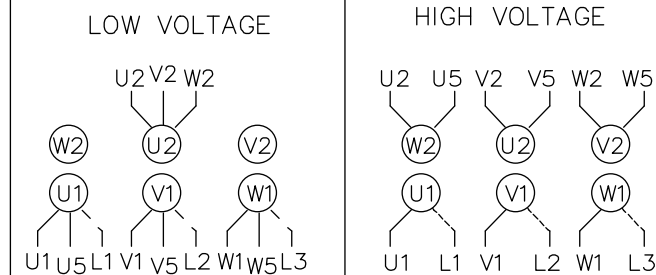
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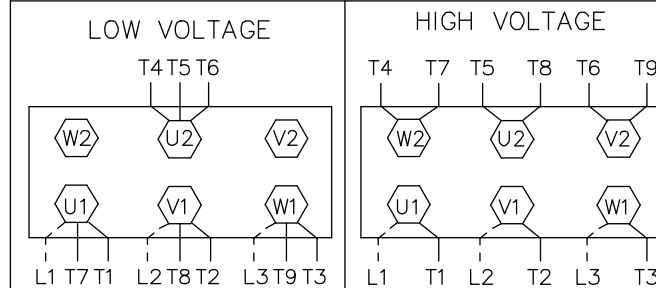
REF. DECAL (IEC) 080644  
REF. DECAL (NEMA) 080446

IEC MARKINGS



LINE VOLTAGE	L1	L2	L3	JOIN		
TERMINAL	U1	V1	W1	W2	U2	V2
LOW	U1,U5	V1,V5	W1,W5	---	U2,V2,W2	---
HIGH	U1	V1	W1	U2,U5	V2,V5	W2,W5

NEMA MARKINGS



LINE VOLTAGE	L1	L2	L3	JOIN		
TERMINAL	U1	V1	W1	W2	U2	V2
LOW	T1, T7	T2, T8	T3, T9	---	T4,T5,T6	---
HIGH	T1	T2	T3	T4, T7	T5, T8	T6, T9

TOLERANCES UNLESS SPECIFIED

DEC.	INCHES
.X	±.1
.XX	±.01
.XXX	±.005
.XXXX	±.0005
ANG	±1/2'



ELECTRIC MOTORS  
GEARMOTORS  
AND DRIVES

DRAWN MGM 12/3/02

CHK

APPD

SCALE 1=1

REF 00537703

FMF

PREV

TITLE EXTERNAL WIRING DIAGRAM  
3 PHASE - DUAL VOLTAGE - W/TERM BLOCK

MAT'L. IEC/NEMA MARKINGS

FINISH THERMAL TRANSFER

NO.	REVISION	BY & DATE	CHK	ANG
01	NEMA LV CONNECTION WAS INCORRECT	RLW 8/4/03		

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CAD FILE 00546501

SIZE A  
DRAWING NO. 005465-01  
REV. 01

