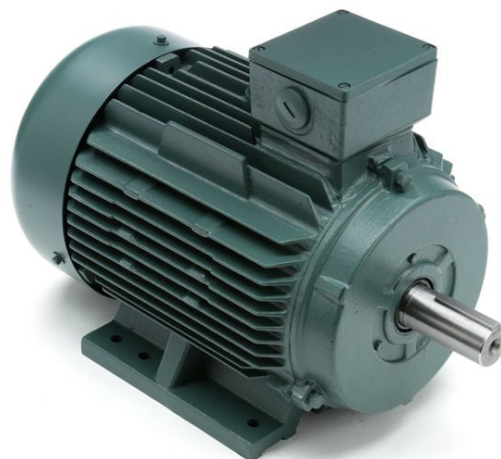


# PRODUCT INFORMATION PACKET



Model No: 193311.60  
Catalog No: 193311.60

LEESON® PASSPORT 7.50 HP General Purpose, 3 phase, 1200 RPM, 230/460 V, 132M Frame, TEFC



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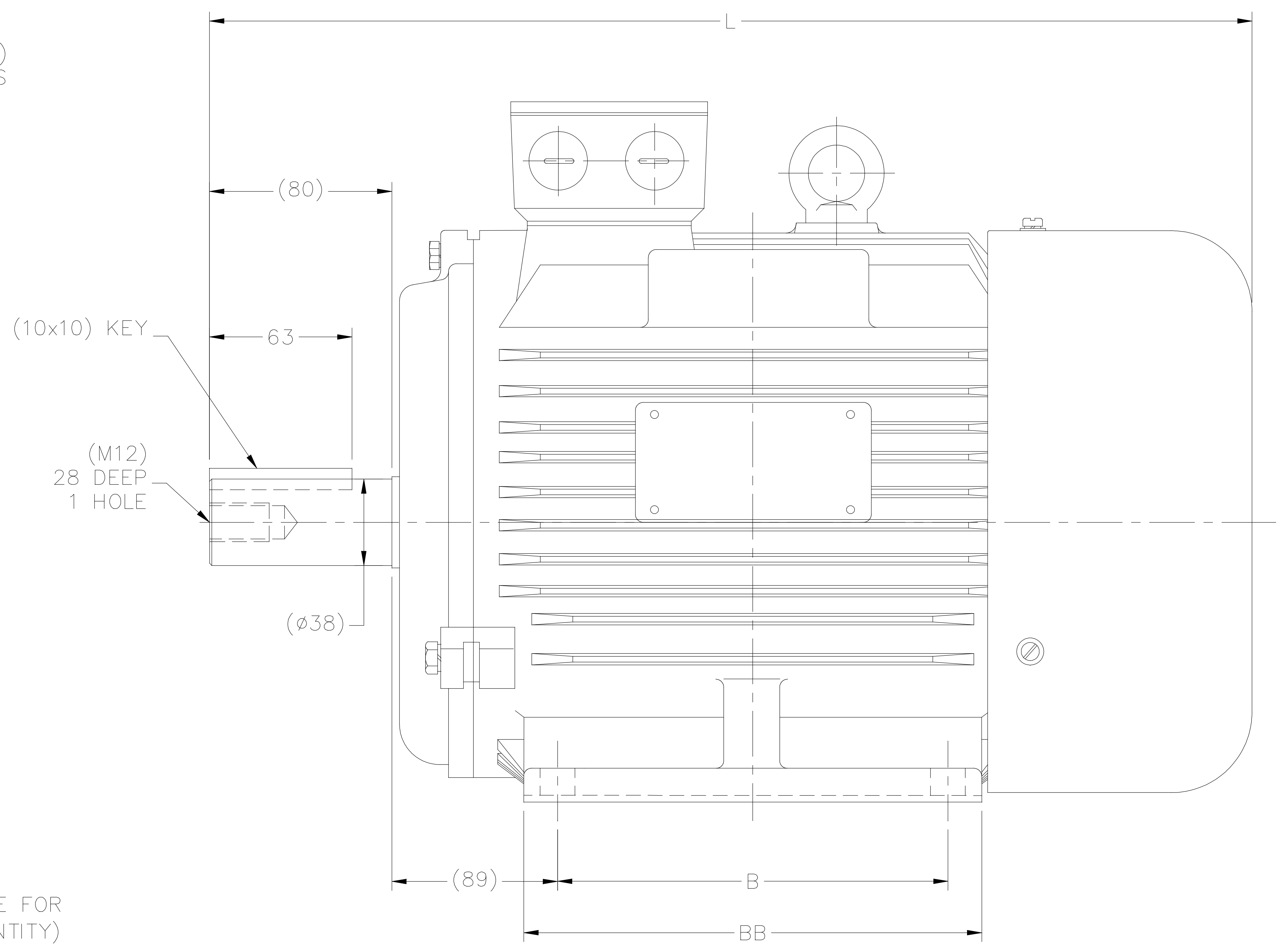
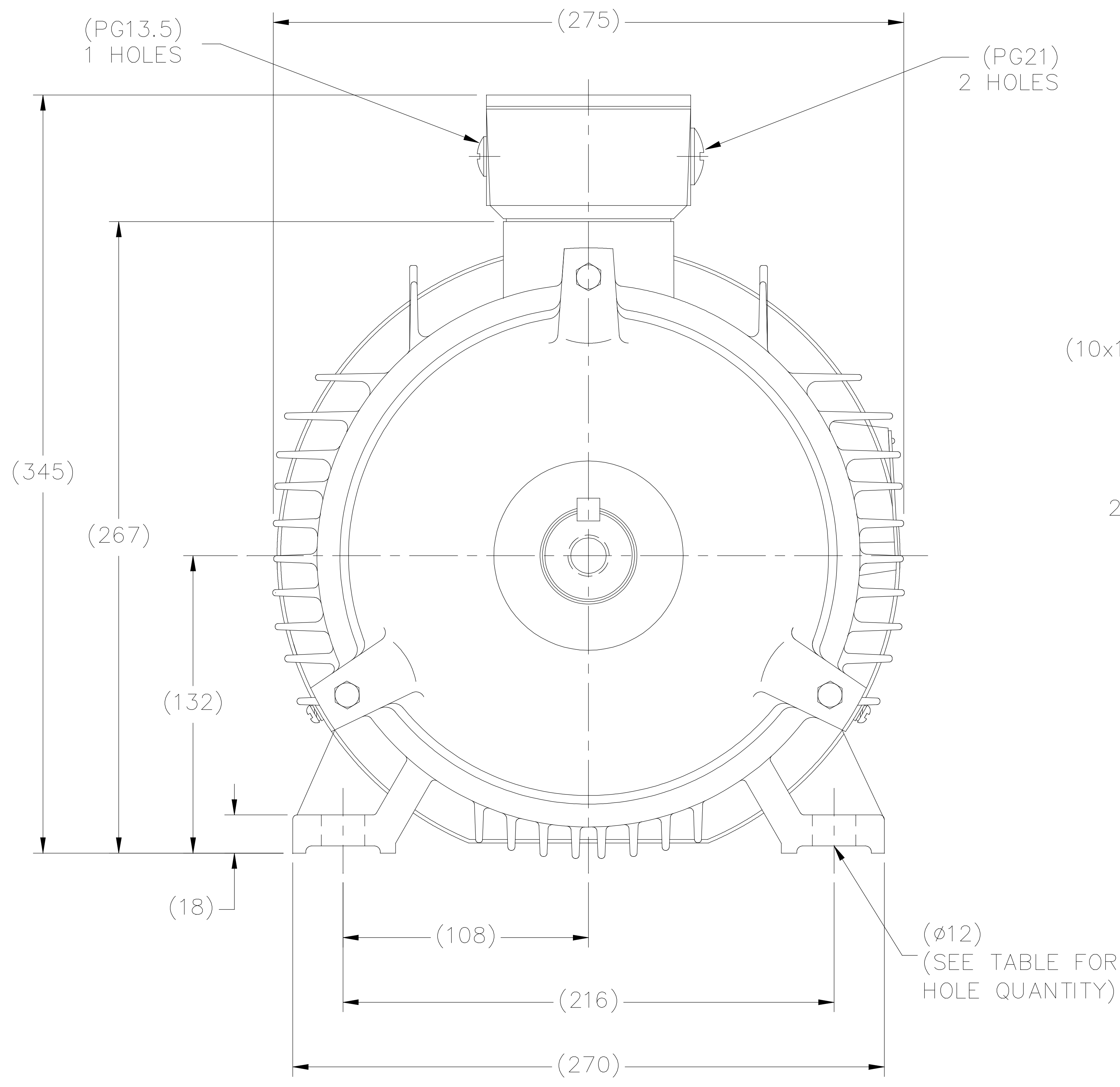
### Nameplate Specifications

Phase	<b>3</b>	Output HP	<b>7.50 &amp; 5 Hp</b>
Output KW	<b>5.6 &amp; 3.7 kW</b>	Voltage	<b>230/460 &amp; 200/400 V</b>
Speed	<b>1185 &amp; 990 rpm</b>	Service Factor	<b>1.15 &amp; 1.15</b>
Frame	<b>132M</b>	Enclosure	<b>Totally Enclosed Fan Cooled</b>
Thermal Protection	<b>Thermostat</b>	Efficiency	<b>91 &amp; 90.2 %</b>
Ambient Temperature	<b>40 °C</b>	Frequency	<b>60 &amp; 50 Hz</b>
Current	<b>21.6/10.8 &amp; 19/9.5 A</b>	Power Factor	<b>72</b>
Duty	<b>Continuous</b>	Insulation Class	<b>F</b>
Design Code	<b>B</b>	KVA Code	<b>H</b>
Drive End Bearing Size	<b>6308</b>	Opp Drive End Bearing Size	<b>6207</b>
UL	<b>Recognized</b>	CSA	<b>Y</b>
CE	<b>Y</b>	IP Code	<b>55</b>
Number of Speeds	<b>1</b>		

### Technical Specifications

Electrical Type	<b>Squirrel Cage Inverter Rated</b>	Starting Method	<b>Wye Start Delta Run Or Inverter</b>
Poles	<b>6</b>	Rotation	<b>Reversible</b>
Resistance Main	<b>0 Ohms</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>3.15 in</b>
Assembly/Box Mounting	<b>F3</b>	Inverter Load	<b>CONSTANT 10:1</b>
Outline Drawing	<b>SS622237</b>	Connection Drawing	<b>004172.01</b>

SS622237



(DRAWING NOT TO SCALE)

(DIMENSIONS ARE IN MILLIMETERS)

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

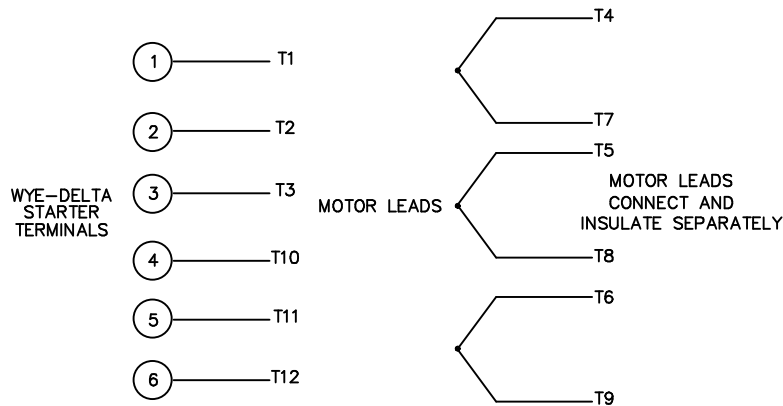
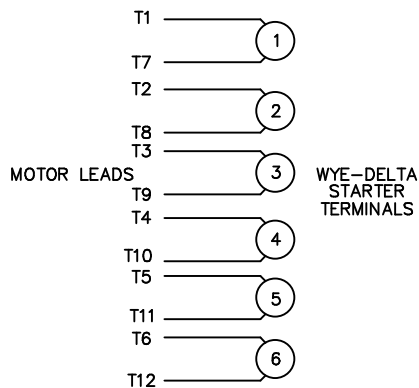
NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED		FINISH	DRAWN MSG 11-16-2010				
					DEC.	METRIC						
4	TABLE AND DIMENSIONS UPDATED	NK 07-05-18	NK	.X	±2.5			CHK MJS 11-18-2010				
3	(4) FOOT HOLES WERE (6) ECO-0130304	WGJ 10-2-17	EMH	.XX	±.76			APPD SB 11-18-2010				
2	REM CAT# FROM BLOCK-FOR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



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

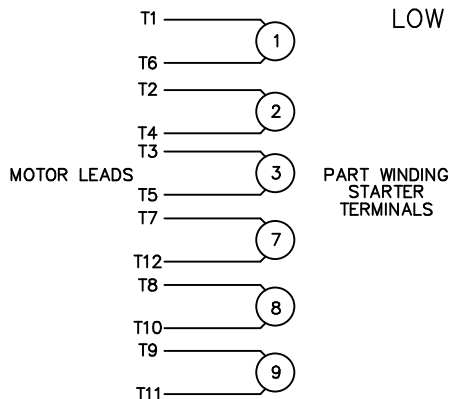
LOW VOLTAGE CONNECTION

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.



ACROSS THE LINE START & RUN				
	LINE 1	LINE 2	LINE 3	JOIN & INSULATE SEPARATELY
HIGH VOLT	T1, T12	T2, T10	T3, T11	(T4, T7) (T5, T8) (T6, T9)
LOW VOLT	T1, T6 T7, T12	T2, T4 T8, T10	T3, T5 T9, T11	

				TOLERANCES UNLESS SPECIFIED		ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN WLW 09/08/77		
				DEC.	INCHES		CHK RPB 09/12/77		
				.X	±.1		APPD JCW 09/12/77		
03	REV'D LOW VOLTAGE CONN. LEADS PER ELEC.	BJB 06/07/00	.XX	±.01	TITLE	DELTA - WYE CONNECTION DIAGRAM	SCALE	1=1	
02	ADDED T-STAT. NOTES PER ELECTRICAL	KMM 06/02/98	.XXX	±.005			REF		
01	REDRAWN TO CAD	DBT 06/02/97	.XXXX	±.0005	MAT'L.		FMF		
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"	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	00417201	SIZE	DRAWING NO.	REV.
				DIST			A	004172-01	03



**CERTIFICATION DATA SHEET**

**1051 CHEYENNE AVE.  
GRAFTON, WI 53024  
PH. 262-377-8810**

**CATALOG #:** 193311.60

**CONN. DIAGRAM:** 004172.01  
**OUTLINE:** SS622237  
**WINDING #:** T10706011 3

**MOUNTING:** F3

**TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
7 1/2&5	5.60&3.70	1200	1185&990	132M	TEFC	H	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&200/400	21.6/10.8&19/9.5	Y START D RUN OR INV	CONTINUOUS	F5	1.15/1.15	40

FULL LOAD EFF:	91&90.2	3/4 LOAD EFF:	91	1/2 LOAD EFF:	89.5	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	72&63	3/4 LOAD PF:	65	1/2 LOAD PF:	52	90.2		SQ CAGE INV RATED	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
33.2 LB-FT	149 / 74.5	65 LB-FT 195 %	108 LB-FT 325 %	40

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
60 dBA	70 dBA	- LB-FT^2	- LB-FT^2	- SEC.	-	240 LBS.

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

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	PREMIUM SEVERE DUTY	NONE	FALSE	NONE	BLUE - LEESON (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	STANDARD IEC	NONE	NONE	AISI 1045 (C-240)	CAST IRON
6308	6207						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
TSTATS (N/C)	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

* N O T E S *	<b>INVERTER TORQUE:</b> CONSTANT 10:1 <b>INV. HP SPEED RANGE:</b> NONE
	<b>ENCODER:</b> NONE NONE NONE NONE NONE PPR
	<b>BRAKE:</b> NONE NONE NONE P/N NONE NONE NONE NONE FT-LB NONE V NONE Hz

Data Sheet

Date: 1/23/2018

193311.60



Data @ 460 V

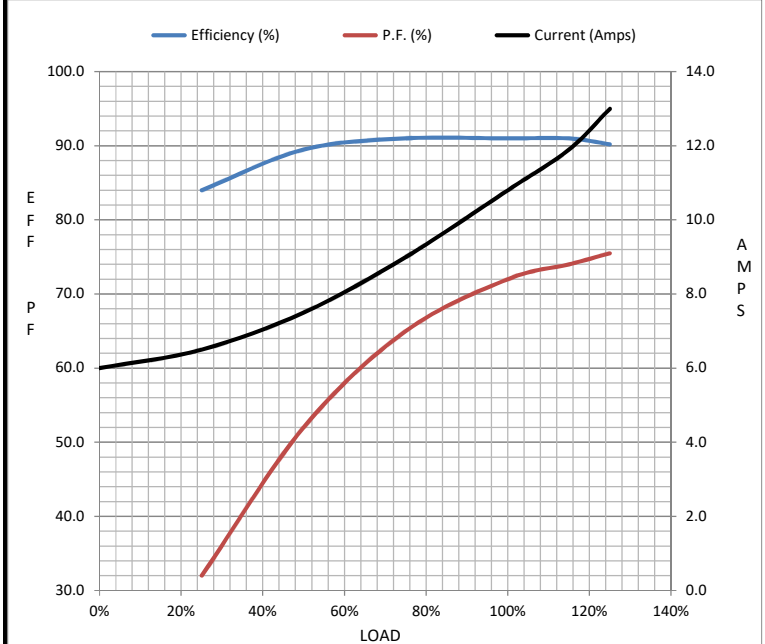
Motor Load Data

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#200/400 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 wk <sup>2</sup>	0.00 Lb-Ft <sup>2</sup>			
Ref Wdg	T10706011 NONE			
Sound Pressure @ 1M	60 dBA			
VFD Rating	CONSTANT 10:1			
Outline Dwg	SS622237			
Conn. Diag	004172.01			
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

