

PRODUCT INFORMATION PACKET



Model No: 193312.60

Catalog No: 193312.60

LEESON® PASSPORT 10 HP General Purpose, 3 phase, 3600 RPM, 230/460 V, 132M Frame, TEFC



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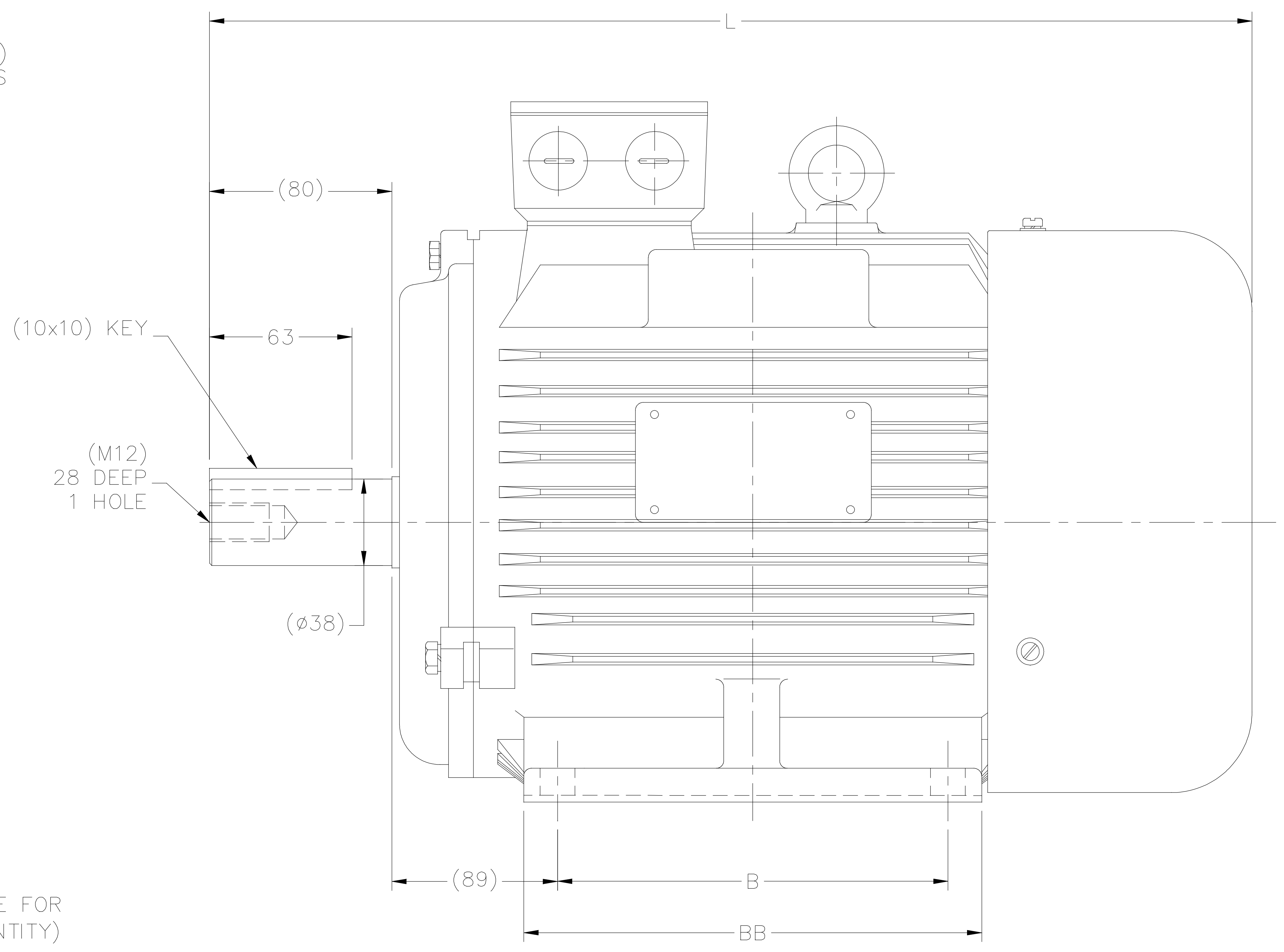
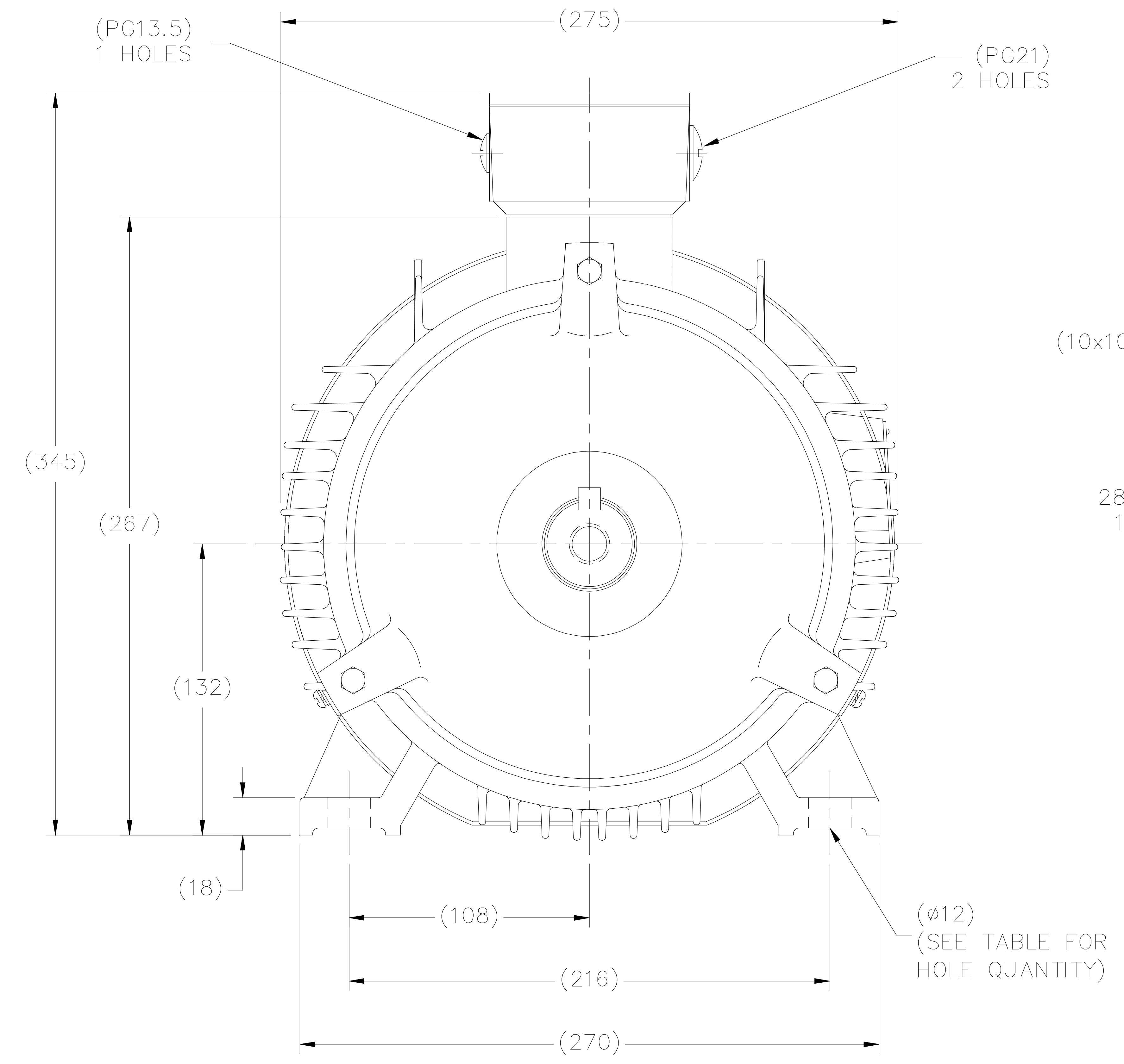
Nameplate Specifications

Output HP	10 Hp	Output KW	7.5 kW
Frequency	60 Hz	Voltage	230/460 V
Current	24.0/12.0 A	Speed	3535 rpm
Service Factor	1.15	Phase	3
Efficiency	90.2 %	Power Factor	86.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	H
Frame	132S	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6208	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	Wye Start Delta Run Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	.5505 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	3.15 in
Assembly/Box Mounting	F3	Inverter Load	CONSTANT 10:1
Connection Drawing	004172.03	Outline Drawing	B-SS622237

SS622237



(DRAWING NOT TO SCALE)

(DIMENSIONS ARE IN MILLIMETERS)

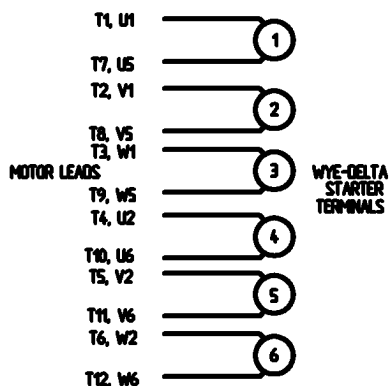
DF132S	4	461	140	186
DF132M	4	499	178	224
FRAME	# HOLES	L	B	BB

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	REV 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

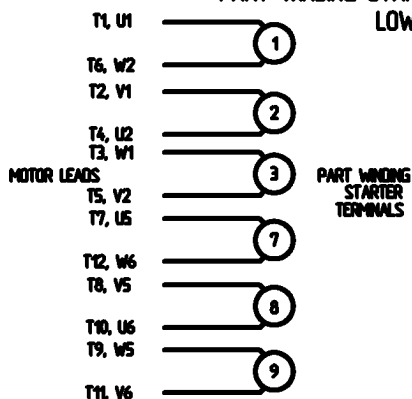


HIGH VOLTAGE CONNECTION



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

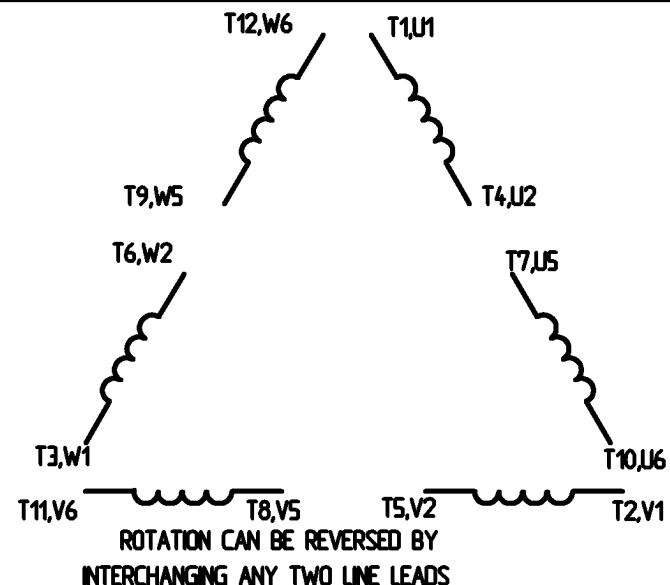
PART WINDING START USABLE ON 4 & 6 POLE MOTORS
LOW VOLTAGE CONNECTION ONLY



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.

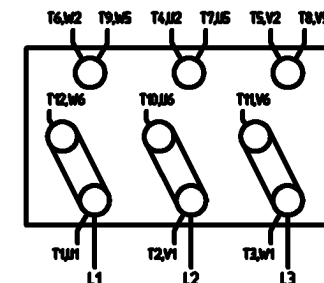
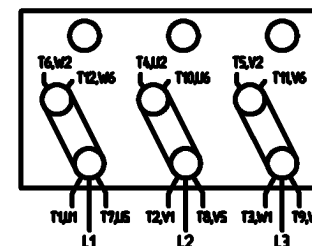
LINE LEADS



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		<p>ELECTRIC MOTORS GEARMOTORS AND DRIVES</p>	DRAWN CW 08/28/02 CHK APPD SCALE 1:1 REF FMF PREV
				DEC.	INCHES		TITLE DELTA - WYE CONNECTION DIAGRAM IEC CAST IRON MOTORS
				X	+ 1		
				XX	+ .01		
				XXX	+ .005		
				XXXX	+ .0005	MAT'L	
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	00417203	SIZE A
				DST			DRAWING NO. 004172-03
							REV.

ERROR: syntaxerror
OFFENDING COMMAND: --nostringval--

STACK:

/CB
-dictionary-
/Pscript_WinNT_Compat
-dictionary-



CERTIFICATION DATA SHEET

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

CATALOG #: 193312.60

CONN. DIAGRAM: 004172.03

OUTLINE: B-SS622237

WINDING #: T10702024 3

MOUNTING: F3

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
10&7 1/2	7.50&5.60	3600	3535&2950	132M	TEFC	H	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&200/400	24/12&22/11	Y START D RUN OR INV	CONTINUOUS	F5	1.15/1.15	40

FULL LOAD EFF:	90.2&90.2	3/4 LOAD EFF:	90.2	1/2 LOAD EFF:	89.5	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	86.5&84	3/4 LOAD PF:	83.5	1/2 LOAD PF:	76	89.5		SQ CAGE INV RATED	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
14.9 LB-FT	172 / 86	31 LB-FT 208 %	46 LB-FT 308 %	42

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
66 dBA	76 dBA	- LB-FT^2	- LB-FT^2	20 SEC.	2	175 LBS.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	TRUE	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
6208	6207						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

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

Data Sheet

Date: 1/23/2018

193312.60



Data @ **460 V**

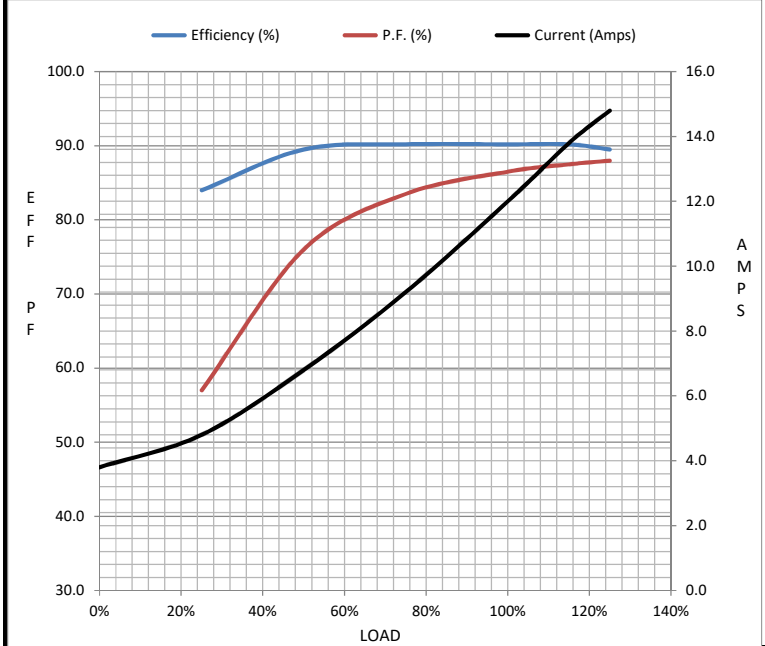
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	3.8	4.8	6.8	9.2	12.0	13.8	14.8	86.0
Torque (ft-lb)	0.00	3.7	7.4	11.1	14.9	17.2	18.7	31.0
RPM	3600	3585	3568	3552	3535	3,525	3515	0
Efficiency (%)		84.0	89.5	90.2	90.2	90.2	89.5	
P.F. (%)	10.0	57.0	76.0	83.5	86.5	87.5	88.0	43.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	3100	3535	3600
Current (Amps)	86.0	82.0	51.5	12.0	3.8
Torque (ft-lb)	31.0	27.0	46.0	14.9	0.00

Information Block				
HP	10.0			
Sync. RPM	3600			
Frame	132			
Enclosure	TEFC			
Construction	TFC			
Voltage	230/460#200/400 V			
Frequency	60 Hz			
Design	A			
LR Code letter	H			
Service Factor	1.15			
Temp Rise @ FL	42 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.00 Lb-Ft ²			
Ref Wdg	T10702024 NONE			
Sound Pressure @ 1M	66 dBA			
VFD Rating	CONSTANT 10:1			
Outline Dwg	B-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

