PRODUCT INFORMATION PACKET

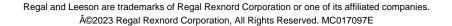


Model No: 193319.60

Catalog No: 193319.60

LEESON® PASSPORT 20 HP General Purpose, 3 phase, 1800 RPM, 230/460 V, 160L Frame, TEFC







Product Information Packet: Model No: 193319.60, Catalog No:193319.60 LEESON® PASSPORT 20 HP General Purpose, 3 phase, 1800 RPM, 230/460 V, 160L Frame, TEFC



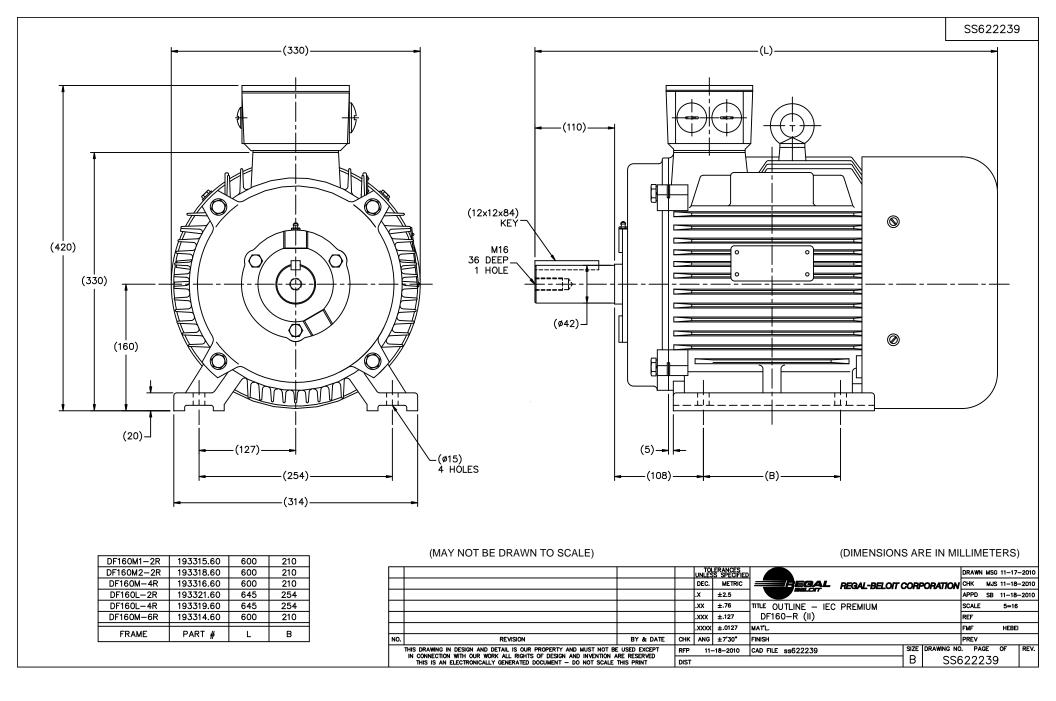
Nameplate Specifications

3	Output HP	20 & 15 Hp
14.9 & 11.2 kW	Voltage	230/460 & 200/400 V
1770 & 1475 rpm	Service Factor	1.15 & 1.15
160L	Enclosure	Totally Enclosed Fan Cooled
No Protection	Efficiency	93 & 91.7 %
40 °C	Frequency	60 & 50 Hz
50/25 & 43/21.5 A	Power Factor	82
Continuous	Insulation Class	F
В	KVA Code	G
6309	Opp Drive End Bearing Size	6209
Recognized	CSA	Υ
Υ	IP Code	55
1		
	14.9 & 11.2 kW 1770 & 1475 rpm 160L No Protection 40 °C 50/25 & 43/21.5 A Continuous B 6309 Recognized	14.9 & 11.2 kW 1770 & 1475 rpm Service Factor 160L Enclosure No Protection Efficiency 40 °C Frequency 50/25 & 43/21.5 A Power Factor Continuous Insulation Class B KVA Code 6309 Opp Drive End Bearing Size Recognized CSA

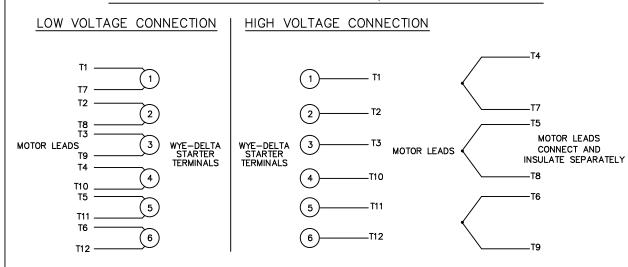
Technical Specifications

Electrical Type	cal Type Squirrel Cage Inverter Rated Starting Method		Wye Start Delta Run Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.322 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	23.62 in
Shaft Diameter	1.625 in	Shaft Extension	4.33 in
Assembly/Box Mounting	F3		
Outline Drawing	B-SS622239	Connection Drawing	004172.01

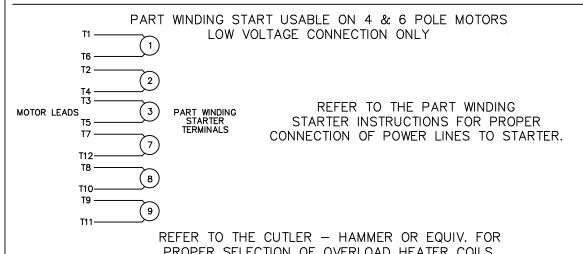
This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:06/22/2023



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



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



T IXOT LIX	SELECTION OF	OVERLOA	DILATER	OOIL	J .	
				U	TOL INLES	ERANCES S SPECIFIED
				[DEC.	INCHES
-					. –	

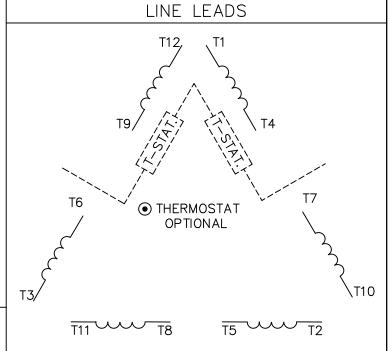
RFP

DIST

			`——	ONLL	3 SELCII ILD	1 1
				DEC.	INCHES	
				.x	±.1	\
03	REV'D LOW VOLTAGE CONN. LEADS PER ELEC.	BJB 06/07/00		.xx	±.01	TITLE
02	ADDED T-STAT. NOTES PER ELECTRICAL	KMM 06/02/98		.xxx	±.005	
01	REDRAWN TO CAD	DBT 06/02/97		.xxxx	±.0005	MAT'L.
NO.	REVISION	BY & DATE	СНК	ANG	±1/2°	FINISH

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

4	Λf	~		



ROTATION CAN BE REVERSED BY INTERCHANGING ANY TWO LINE LEADS • RED LEADS OR P1, P2, FOR N/C THERMOSTAT

ACROSS THE LINE START & RUN										
	LINE 1 LINE 2 LINE 3 JOIN & INSUL SEPARATEI									
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							

ELECTRIC MOTORS

SIZE

DELTA - WYE CONNECTION DIAGRAM

DRAWN WLW 09/08/77 RPB 09/12/77 APPD JCW 09/12/77 SCALE 1=1

REF

REV.

03

FMF

PREV 004172 - 01

DRAWING NO.

6/28/2007 3:22:15 PM -

00417201

CAD FILE



CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: 004172.01 **CATALOG #:** 193319.60

OUTLINE: B-SS622239 MOUNTING: F3

WINDING #: T12904020 3

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
20&15	14.9&11.2	1800	1770&1475	160L	TEFC	G	В

РН	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	амв°С
3	60/50	230/460&200/400	50/25&43/21.5	Y START D RUN OR INV	CONTINUOUS	F5	1.15/1.15	40

FULL LOAD EFF:	93&91.7	3/4 LOAD EFF:	93	1/2 LOAD EFF:	92.4	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	82&80	3/4 LOAD PF:	77	1/2 LOAD PF:	68	91.7	SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L,R,	TORQUE	B.D. TORQUE			F.L. RISE°C
59.5 LB-FT	290 / 145	115 LB	B-FT 192 %	195	LB-FT	328 %	75

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX, WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
75 dBA	85 dBA	2.97 LB-FT^2	- LB-FT^2	20 SEC.	2	- 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 (ENAMEL)

BEARINGS		GREASE	CHAFT TYPE	CDECTAL DE	SPECIAL ODE	SHAFT	FRAME	
DE	ODE	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	MATERIAL	MATERIAL	
BALL	BALL	POLYREX EM	STANDARD IEC	NONE	NONE	AISI 1045 (C-240)	CAST IRON	
6309	6209	POLTREX EM						

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

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

