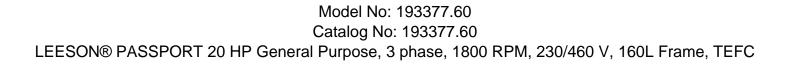
# **PRODUCT INFORMATION PACKET**





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Product Information Packet: Model No: 193377.60, Catalog No:193377.60 LEESON® PASSPORT 20 HP General Purpose, 3 phase, 1800 RPM, 230/460 V, 160L Frame, TEFC

# LEESON

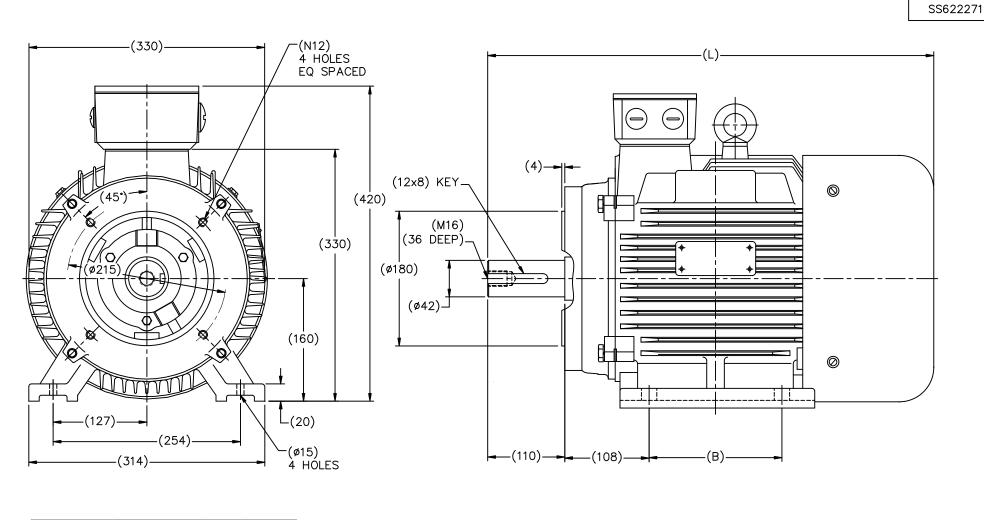
### Nameplate Specifications

Phase	3	Output HP	20 & 15 Hp
Output KW	14.9 & 11.2 kW	Voltage	230/460 & 200/400 V
Speed	1770 & 1475 rpm	Service Factor	1.15 & 1.15
Frame	160L	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	93 & 91.7 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	50/25 & 43/21.5 A	Power Factor	82
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	G
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6209
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	4	Rotation	Reversible
Resistance Main	.322 Ohms	Mounting	В3
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	IEC	Overall Length	25.39 in
Shaft Diameter	1.625 in	Shaft Extension	4.33 in
Assembly/Box Mounting	F3		
Outline Drawing	B-SS622271	Connection Drawing	004172.01

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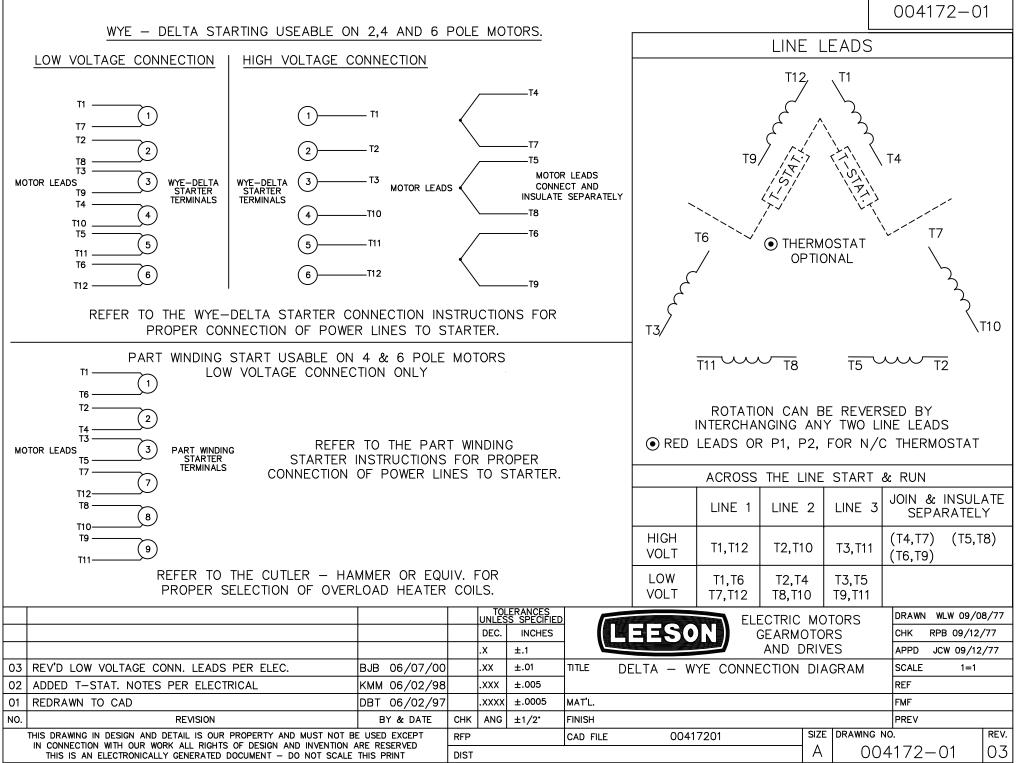


### (MAY NOT BE DRAWN TO SCALE)

### (DIMENSIONS ARE IN MILLIMETERS)

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				.x	±2.5				SB 12-18	8-2010
				.xx	±.76	ITLE OUTLINE		SCALE	1=18	
				.xxx	±.127	DF160MC,LC-2,4,6R		ref		
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Г	THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION A		RFP	12-	-21-2010	CAD FILE SS622271	SIZE DRAWING NO			REV.
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Cat. No	MODEL	В	L
193373.60	DF160MC1-2R	210	600
193376.60	DF160MC2-2R	210	600
193374.60	DF160MC-4R	210	600
193378.60	DF160LC-2R	254	645
193377.60	DF160LC-4R	254	645
193372.60	DF160MC-6R	210	600
193372.00		210	600





#### **CATALOG #:** 193377.60

MOUNTING: F3

**CONN. DIAGRAM:** 004172.01 **OUTLINE:** B-SS622271

OUTLINE: B-SS622271 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.	AMB°C
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. TO	DRQUE	LOCKED ROTOR AMPS		L.R. TORQUE B.D. TORQUE F		F.L. RISE°C				
59.5	LB-FT	290 / 145	115	LB-FT	192 %	195	LB-FT	328 %	75	

SOUND PRESSURE @ 3 FT.		SOUND	POWER	ROTO	R WK^2	МА	Х. WK^2	SAFE ST	ALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
75 dB	A	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
FT-FLANGE-215	STANDARD	B3	HORIZONTAL	PREMIUM SEVERE DUTY	NONE	FALSE	NONE	BLUE (ENAMEL)

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

	THERMO-PROTE	CTORS		TUEDMICTORC	CONTROL	
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs	- THERMISTORS	CONTROL	SPACE HEATERS
NONE	NOT	NONE	NONE	NONE	FALSE	NONE <b>VOLTS</b>
*				NVERTER TORQUE: CO NV. HP SPEED RANGE:		1
Ν			E	NCODER: NONE		
0				ONE NONE	PR	
т				RAKE: NONE NOR ONE P/N NONE	NE	
E				ONE NONE ONE FT-LB NONE	V NON	E Hz
S						

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