# **PRODUCT INFORMATION PACKET**

Model No: 193391.60 Catalog No: 193391.60 20 HP General Purpose, 3 phase, 1800 RPM, 575 V, 160L Frame, TEFC Cast Iron Motors



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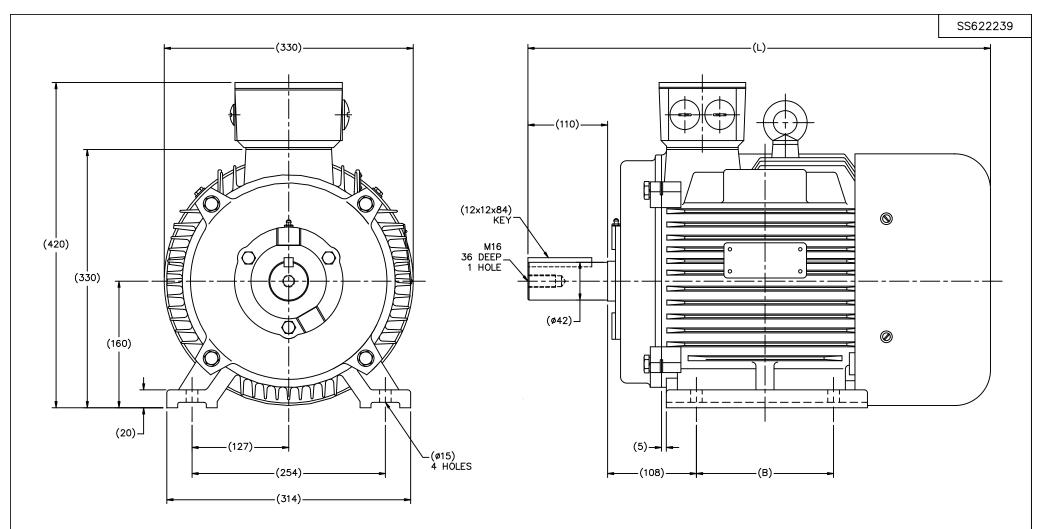
# Nameplate Specifications

20 Hp	Output KW	14.9 kW
60 Hz	Voltage	575 V
20.0 A	Speed	1770 rpm
1.15	Phase	3
93 %	Power Factor	82
Continuous	Insulation Class	F
В	KVA Code	G
160L	Enclosure	Totally Enclosed Fan Cooled
Thermostats (N/C)	Ambient Temperature	40 °C
6309	Opp Drive End Bearing Size	6308
Recognized	CSA	Y
Y	IP Code	55
1		
	60 Hz 20.0 A 1.15 93 % Continuous B 160L Thermostats (N/C) 6309 Recognized Y	60 HzVoltage20.0 ASpeed1.15Phase93 %Power Factor0 ContinuousInsulation ClassBKVA Code160LEnclosureThermostats (N/C)Ambient Temperature6309Opp Drive End Bearing SizeRecognizedCSAYIP Code

# **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	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	Inverter Load	CONSTANT 2:1
Connection Drawing	005190-03	Outline Drawing	B-SS622239

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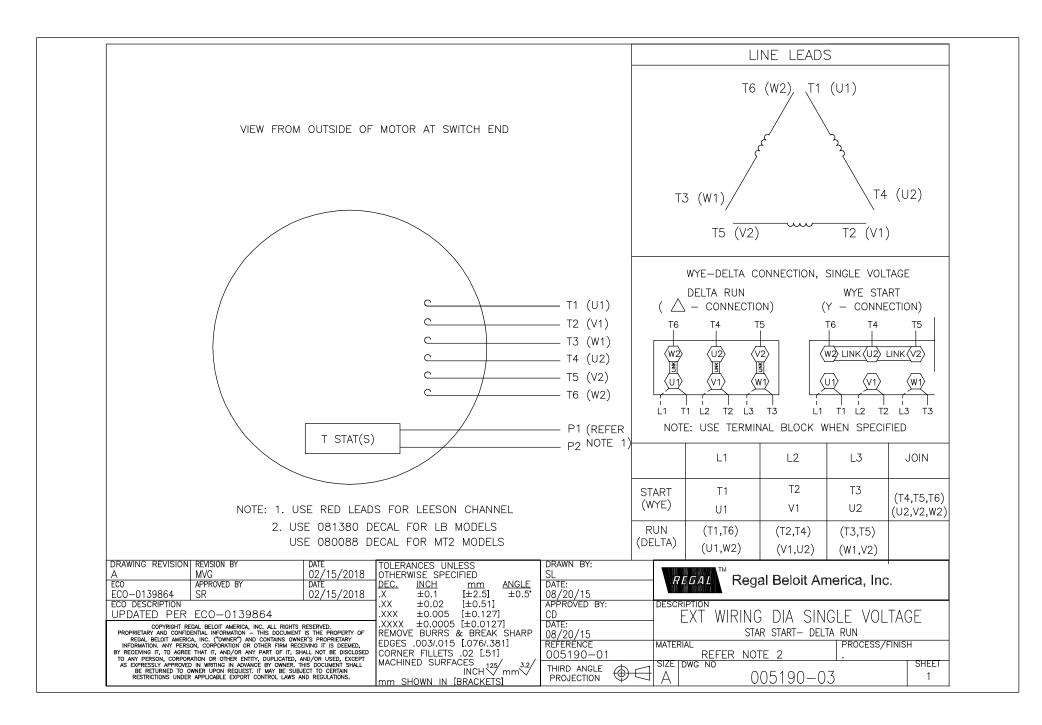
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DF160M1-2R	193315.60	600	210
DF160M2-2R	193318.60	600	210
DF160M-4R	193316.60	600	210
DF160L-2R	193321.60	645	254
DF160L-4R	193319.60	645	254
DF160M-6R	193314.60	600	210
FRAME	PART #	L	В

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#### **CATALOG #:** 193391.60

CONN. DIAGRAM: 005190-03 OUTLINE: B-SS622239 WINDING #: T12904020 4

MOUNTING: F3

## TYPICAL MOTOR PERFORMANCE DATA

					(/
20 14.9 1800	1770	160L	TEFC	G	В

РН	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	575	20	Y START D RUN OR INV	CONTINUOUS	F5	1.15	40

FULL LOAD PF: 82 3/4 LOAD PF: 77 1/2 LOAD PF: 68 91.7 SQ CAGE INV RATED	FULL LOAD EFF:	93	3/4 LOAD EFF:	93	1/2 LOAD EFF:	92.4	GTD. EFF	ELEC. TYPE
	FULL LOAD PF:	82	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 <b>LB-FT</b>	116	115 <b>LB-FT</b> 192 %	195 <b>LB-FT</b> 328 %	75

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

BEAR	RINGS	GREASE SHAFT TYPE SPECIAL DE SPECIAL ODE		SHAFT	FRAME			
DE	ODE	GREASE			SPECIAL ODE	MATERIAL	MATERIAL	
BALL	BALL	POLYREX EM		NONE	NONE			
6309	6308	POLIKEX EM	STANDARD IEC	STANDARD IEC NONE	NONE	AISI 1045 (C-240)	CAST IRON	

	THERMO-PROTECT	THERMISTORS	CONTROL	SPACE HEATERS			
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs	THERMISTORS	CONTROL	SPACE HEATERS	
TSTATS (N/C)	NOT	NONE	NONE	NONE	FALSE	NONE	VOLTS
*				VERTER TORQUE: CO V. HP SPEED RANGE:			
Ν				ICODER: NONE			
0				ONE NONE ONE NONE PP	R		
т				AKE: NONE NON	E		

- Е
- S
- \*

NONE

NONE

NONE HZ

NONE FT-LB NONE V

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