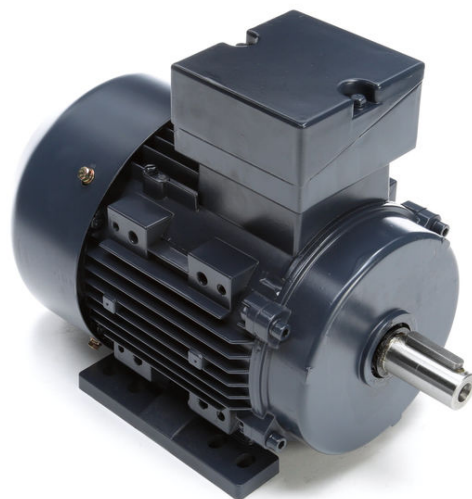


# PRODUCT INFORMATION PACKET



Model No: 193398.60  
Catalog No: 193398.60  
50 HP General Purpose, 3 phase, 3600 RPM, 575 V, 200L Frame, TEFC  
Cast Iron Motors



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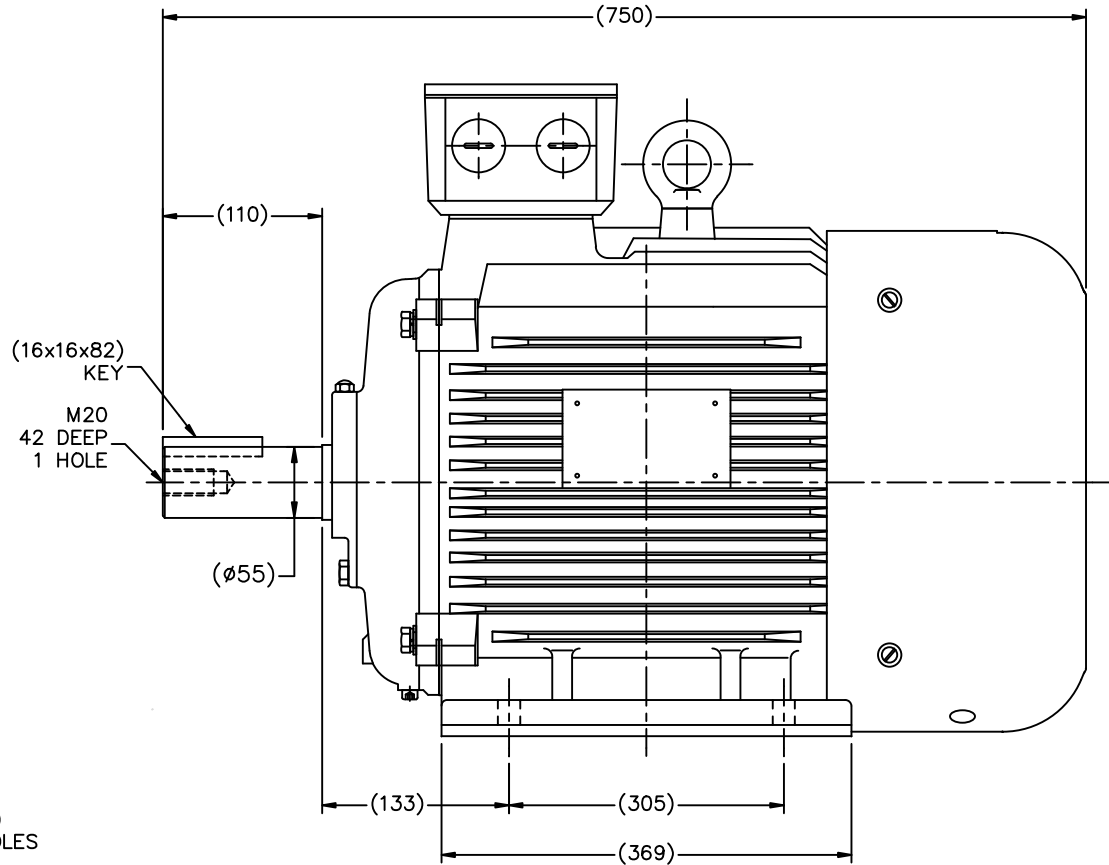
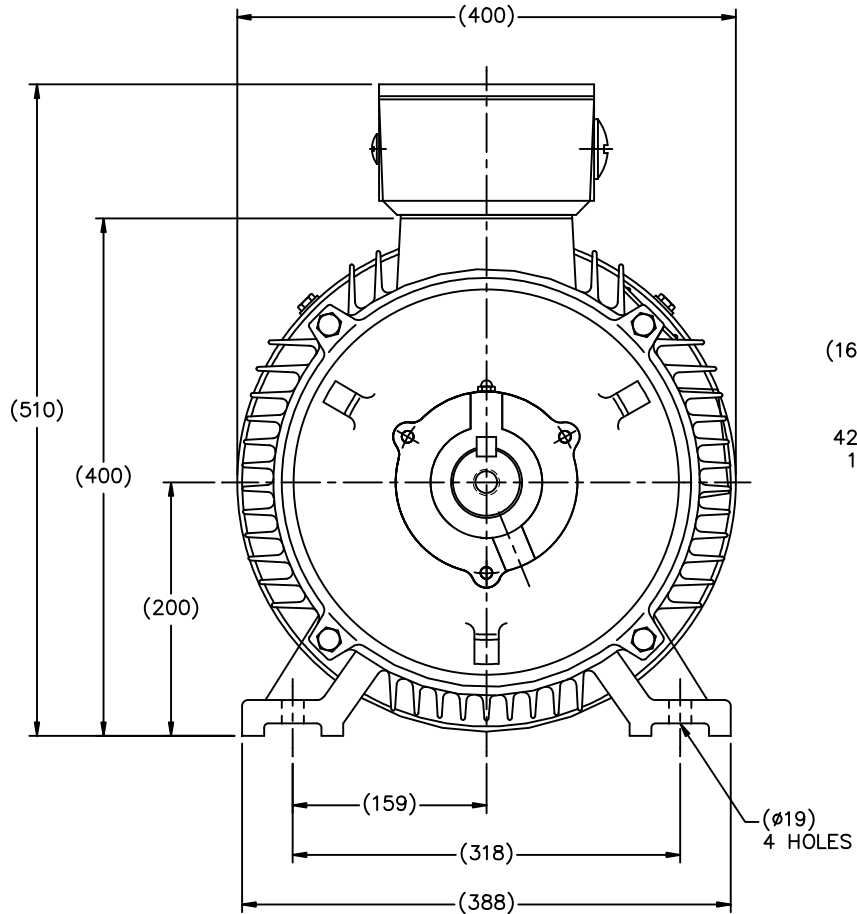
### Nameplate Specifications

Output HP	<b>50 Hp</b>	Output KW	<b>37.0 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>575 V</b>
Current	<b>45.0 A</b>	Speed	<b>3562 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>3</b>
Efficiency	<b>94.1 %</b>	Power Factor	<b>89</b>
Duty	<b>Continuous</b>	Insulation Class	<b>F</b>
Design Code	<b>B</b>	KVA Code	<b>H</b>
Frame	<b>200L</b>	Enclosure	<b>Totally Enclosed Fan Cooled</b>
Thermal Protection	<b>No</b>	Ambient Temperature	<b>40 °C</b>
Drive End Bearing Size	<b>6212</b>	Opp Drive End Bearing Size	<b>6212</b>
UL	<b>Recognized</b>	CSA	<b>Y</b>
CE	<b>Y</b>	IP Code	<b>43</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>2</b>	Rotation	<b>Reversible</b>
Resistance Main	<b>.039 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>29.52 in</b>
Shaft Diameter	<b>2.187 in</b>	Shaft Extension	<b>4.33 in</b>
Assembly/Box Mounting	<b>F3</b>	Inverter Load	<b>CONSTANT 10:1</b>
Connection Drawing	<b>005190</b>	Outline Drawing	<b>SS622240</b>

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(MAY NOT BE DRAWN TO SCALE)

(DIMENSIONS ARE IN MILLIMETERS)

DF200L	193327.60
	193330.60
	193328.60
	193323.60
	193326.60
FRAME	PART #

		TOLERANCES UNLESS SPECIFIED			DRAWN MSG 11-17-2010				
		DEC.	METRIC		CHK MJS 11-18-2010				
		.X	±2.5	APPD SB 11-18-2010	SCALE 1=4				
		.XX	±.76	TITLE OUTLINE - IEC PREMIUM					
		.XXX	±.127	DF200L-2, 4, 6					
		.XXXX	±.0127	MAT'L	REF				
NO.	REVISION	BY & DATE	CHK	ANG	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	11-18-2010	CAD FILE SS622240	SIZE B	DRAWING NO. SS622240	PAGE OF	REV.
			DIST						



CERTIFICATION DATA SHEET

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

CATALOG #: 193398.60

CONN. DIAGRAM: 005190

OUTLINE: SS622240

MOUNTING: F3

WINDING #: T16102025 4

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
50	37.0	3600	3562	200L	TEFC	H	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	575	45	Y START D RUN OR INV	CONTINUOUS	F5	1.15	40

FULL LOAD EFF:	94.1	3/4 LOAD EFF:	94.1	1/2 LOAD EFF:	93.6	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	89	3/4 LOAD PF:	87	1/2 LOAD PF:	82	89.5		SQ CAGE INV RATED	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
74 LB-FT	332	150 LB-FT 202 %	210 LB-FT 282 %	60

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

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

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE (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
6212	6212						

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

\*  
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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 NO BRAKE Hz

Data Sheet

Date: 1/22/2018

193398.60



Data @ 575 V

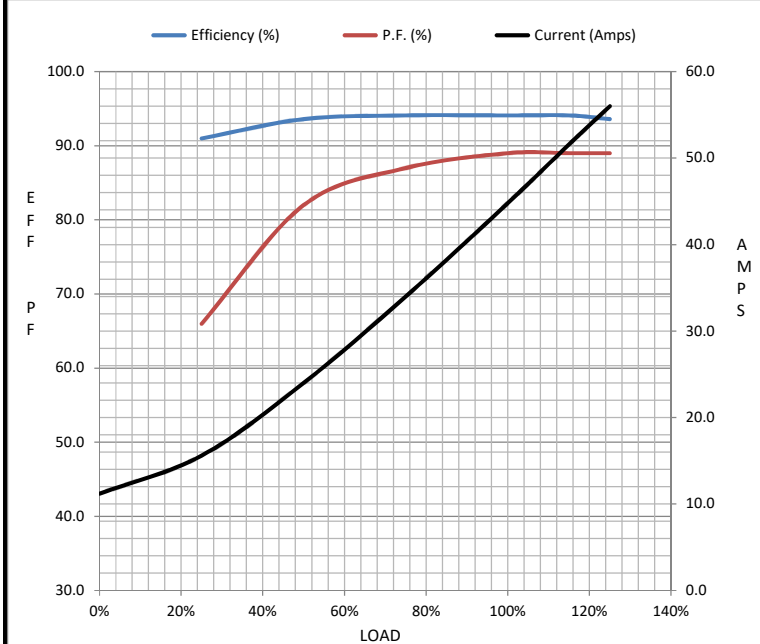
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	11.2	15.6	24.0	34.0	44.8	51.6	56.0	332
Torque (ft-lb)	0.00	18.5	37.0	55.5	74.0	85.0	92.5	150
RPM	3600	3590	3580	3572	3562	3,555	3550	0
Efficiency (%)		91.0	93.6	94.1	94.1	94.1	93.6	
P.F. (%)	7.0	66.0	82.0	87.0	89.0	89.0	89.0	35.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	3350	3562	3600
Current (Amps)	332	300	200	44.8	11.2
Torque (ft-lb)	150	130	210	74.0	0.00

Information Block				
HP	50.0			
Sync. RPM	3600			
Frame	200			
Enclosure	TEFC			
Construction	TFC			
Voltage	575 V			
Frequency	60 Hz			
Design	A			
LR Code letter	H			
Service Factor	1.15			
Temp Rise @ FL	60 °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	T16102025 NONE			
Sound Pressure @ 1M	999 dBA			
VFD Rating	CONSTANT 10:1			
Outline Dwg	SS622240			
Conn. Diag	005190			
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

