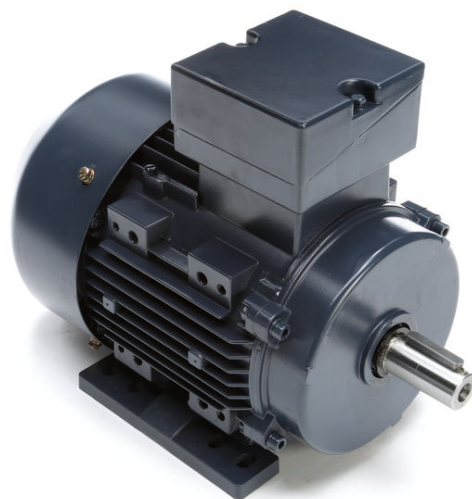


PRODUCT INFORMATION PACKET



Model No: 193392.60
Catalog No: 193392.60
25 HP General Purpose, 3 phase, 3600 RPM, 575 V, 160L Frame, TEFC
Cast Iron Motors



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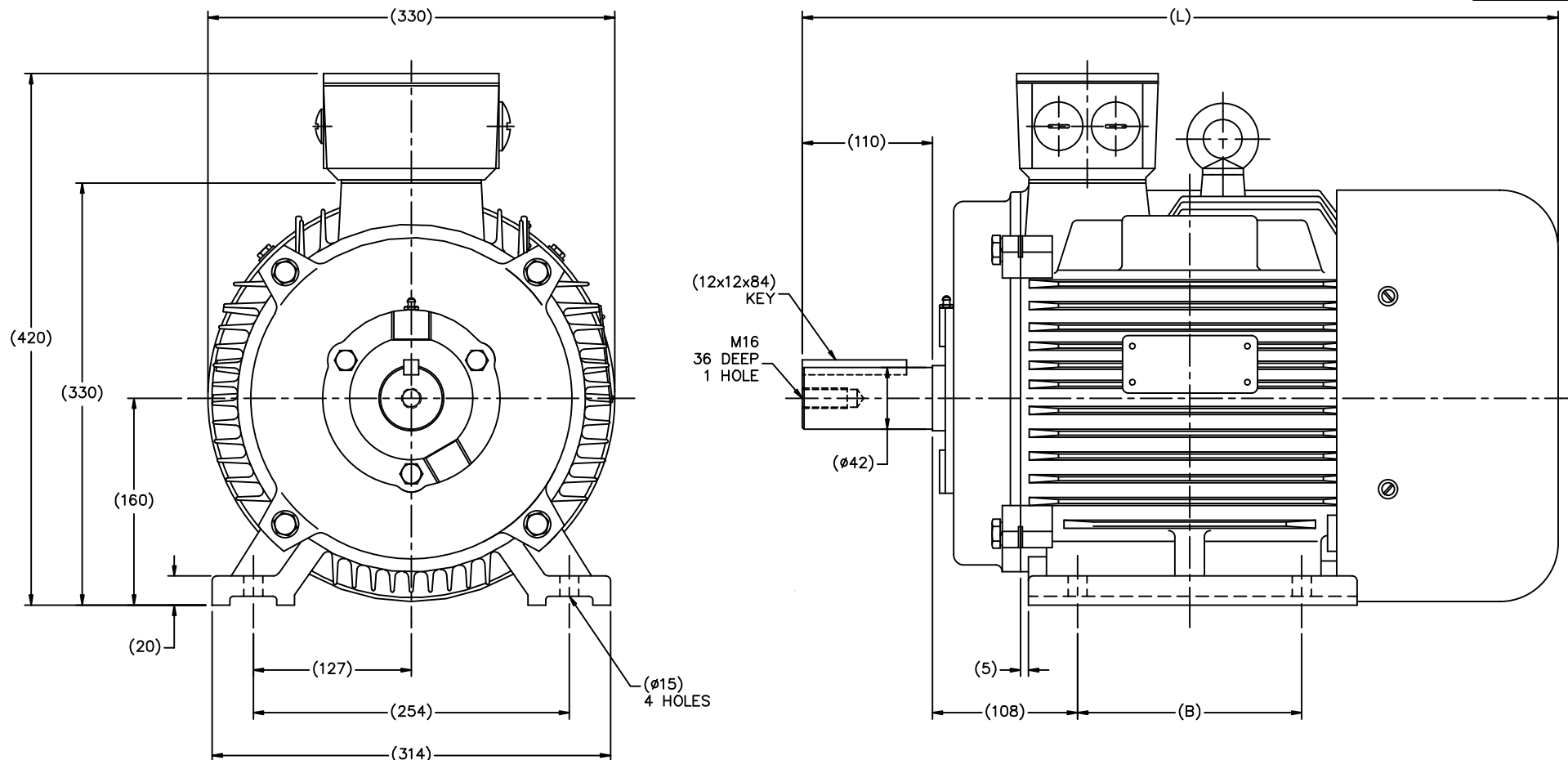
Nameplate Specifications

Output HP	25 Hp	Output KW	18.7 kW
Frequency	60 Hz	Voltage	575 V
Current	23.2 A	Speed	3530 rpm
Service Factor	1.15	Phase	3
Efficiency	92.4 %	Power Factor	87.5
Duty	Continuous	Insulation Class	F
Design Code	N (IEC)	KVA Code	G
Frame	160L	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6209	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 Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Resistance Main	.2933 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	SS622239	Connection Drawing	005190

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(MAY NOT BE DRAWN TO SCALE)

(DIMENSIONS ARE IN MILLIMETERS)

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	B

TOLERANCES UNLESS SPECIFIED				DRAWN MSG 11-17-2010			
		DEC.	METRIC	CHK		MJS 11-18-2010	
		.X	±2.5			APPD SB 11-18-2010	
		.XX	±.76			SCALE 5=16	
		.XXX	±.127			REF	
		.XXXX	±.0127			FMF HEBEI	
NO.	REVISION	BY & DATE	CHK	ANG	FINISH	PREV	
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				DIST		SIZE	B
				DRAWING NO. PAGE OF REV.			
				SS622239			



CERTIFICATION DATA SHEET

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

CATALOG #: 193392.60

CONN. DIAGRAM: 005190

OUTLINE: SS622239

MOUNTING: F3

WINDING #: T12902036 4

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
25	18.7	3600	3530	160L	TEFC	G	N (IEC)

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	575	23.2	ACROSS THE LINE	CONTINUOUS	F5	1.15	40

FULL LOAD EFF:	92.4	3/4 LOAD EFF:	93	1/2 LOAD EFF:	92.4	GTD. EFF		ELEC. TYPE
FULL LOAD PF:	87.5	3/4 LOAD PF:	86.5	1/2 LOAD PF:	82	90.2		SQ CAGE IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
37 LB-FT	130.4	73 LB-FT 197 %	90 LB-FT 243 %	80

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
69 dBA	79 dBA	- LB-FT^2	- LB-FT^2	15 SEC.	2	305 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
6209	6209						

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

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INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE

ENCODER: NONE
NONE NONE
NONE NONE PPR

BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
FT-LB NONE V NONE Hz

Data Sheet

Date: 1/17/2018

193392.60



Data @ 575 V

Motor Load Data

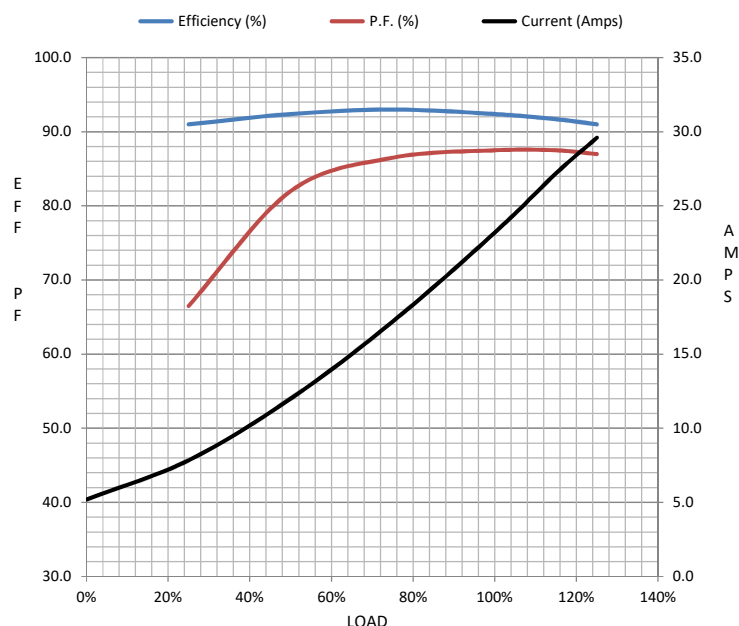
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	5.2	7.8	12.0	17.2	23.2	27.2	29.6	130	
Torque (ft-lb)	0.00	9.2	18.5	27.8	37.0	43.0	47.0	73.0	
RPM	3600	3585	3568	3550	3530	3,520	3510	0	
Efficiency (%)		91.0	92.4	93.0	92.4	91.7	91.0		
P.F. (%)	7.0	66.5	82.0	86.5	87.5	87.5	87.0	41.5	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1000	3315	3530	3600
Current (Amps)	130	130	79.6	23.2	5.2
Torque (ft-lb)	73.0	66.5	90.0	37.0	0.00

Information Block

HP	25.0			
Sync. RPM	3600			
Frame	160			
Enclosure	TEFC			
Construction	TFC			
Voltage	575 V			
Frequency	60 Hz			
Design	B			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	80 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk²	0.00 Lb-Ft²			
Ref Wdg	T12902036 NONE			
Sound Pressure @ 1M	69 dBA			
VFD Rating	NONE			
Outline Dwg	SS622239			
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

