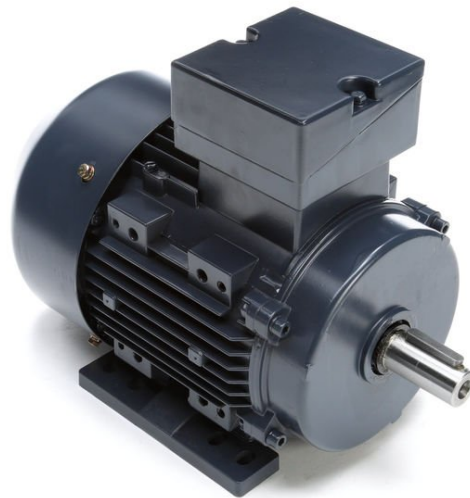


PRODUCT INFORMATION PACKET

Model No: 193389.60

Catalog No: 193389.60

15 HP General Purpose, 3 phase, 1800 RPM, 575 V, 160M Frame, TEFC



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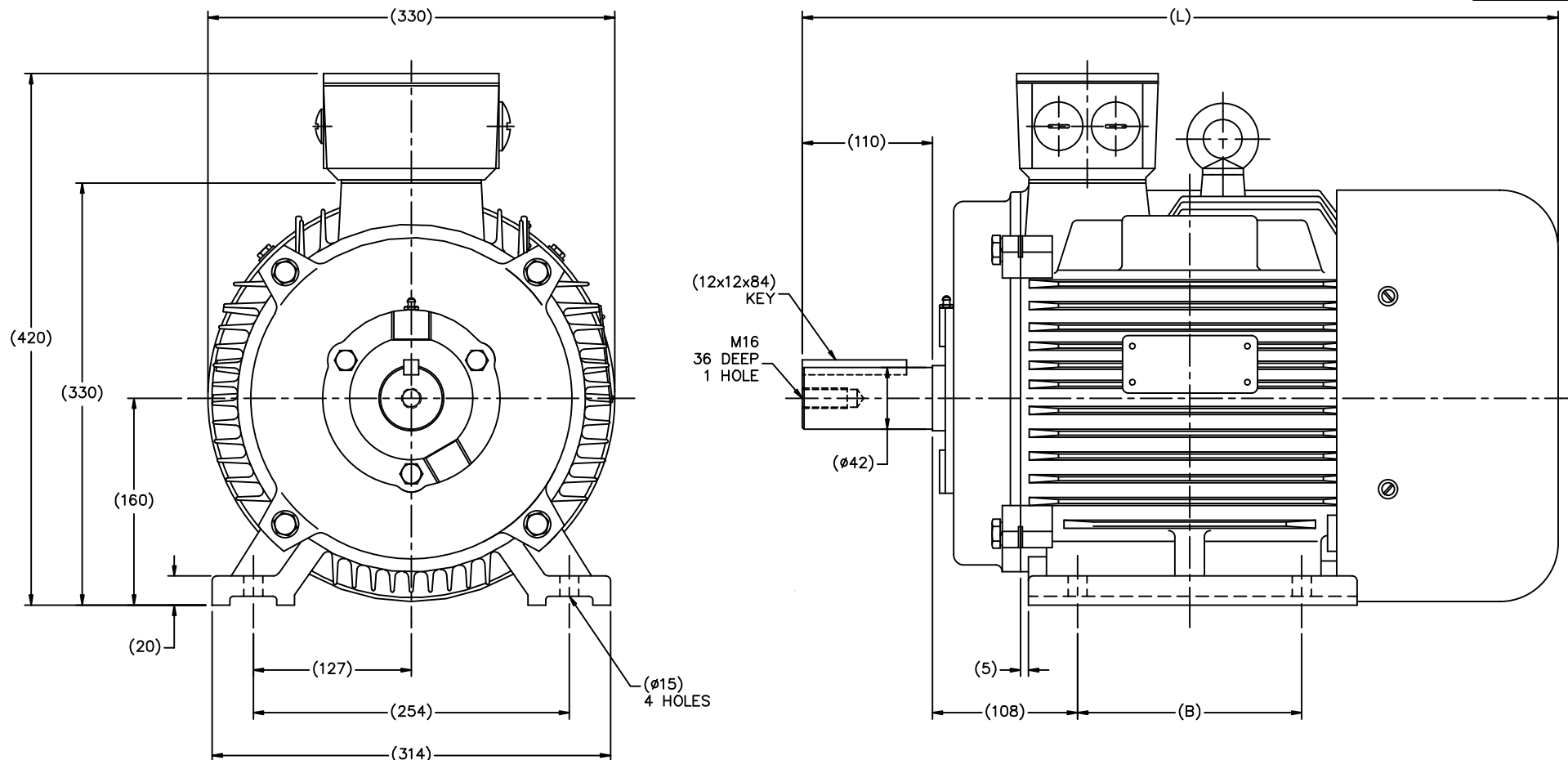
Nameplate Specifications

Output HP	15 Hp	Output KW	11.2 kW
Frequency	60 Hz	Voltage	575 V
Current	14.5 A	Speed	1775 rpm
Service Factor	1.15	Phase	3
Efficiency	92.4 %	Power Factor	82.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	H
Frame	160M	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6308
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	.129 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 10:1
Connection Drawing	00519001	Outline Drawing	B-SS622239

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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		HEBEI	
		.XXXX	±.0127	FINISH		PREV	
NO.	REVISION	BY & DATE	CHK	ANG	±7°30"	RFP 11-18-2010	
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				CAD FILE		SS622239	
				SIZE	DRAWING NO.	PAGE	REV.
				B	SS622239	OF	



CERTIFICATION DATA SHEET

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

CATALOG #: 193389.60

CONN. DIAGRAM: 00519001

OUTLINE: B-SS622239

MOUNTING: F3

WINDING #: T12904005 4

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
15	11.2	1800	1775	160M	TEFC	H	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	575	14.5	Y START D RUN OR INV	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:	82.5	3/4 LOAD PF:	77.5	1/2 LOAD PF:	67	-	SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
44.5 LB-FT	102	110.4 LB-FT 247 %	134.1 LB-FT 300 %	45

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
- dBA	- dBA	2.09 LB-FT^2	2.1 LB-FT^2	15 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	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL						
6309	6308	POLYREX EM	STANDARD IEC	NONE	NONE	AINI 1045 (C-240)	CAST IRON

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: CONSTANT 10:1

INV. HP SPEED RANGE: NONE

ENCODER: NONE

NONE NONE

NONE NONE PPR

BRAKE: NONE NONE

NONE P/N NONE

NONE NONE

NONE FT-LB NONE V NONE Hz

Data Sheet

Date: 1/23/2018

193389.60



Data @ 575 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	6.4	7.4	9.2	11.7	14.4	16.8	18.0	112	
Torque (ft-lb)	0.00	11.0	22.0	33.2	44.6	51.3	55.7	126	
RPM	1800	1794	1788	1780	1765	1770	1765	0	
Efficiency (%)		86.5	91.7	92.4	92.4	91.7	91.7		
P.F. (%)	6.0	43.5	67.5	78.0	84.0	85.0	85.5	0.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle	Information Block	
Speed (RPM)	0	467	1620	1765	1800	HP	15.0
Current (Amps)	112	104	63.6	14.4	6.4	Sync. RPM	1800
Torque (ft-lb)	126	98.5	154	44.6	0.00	Frame	254
						Enclosure	TEFC
						Construction	TFC
						Voltage	575 V
						Frequency	60 Hz
						Design	A
						LR Code letter	H
						Service Factor	1.15
						Temp Rise @ FL	45 °C
						Duty	CONT
						Ambient	40 °C
						Elevation	1,000 feet
						Rotor/Shaft wk²	2.09 Lb-Ft²
						Ref Wdg	T12904005 NONE
						Sound Pressure @ 1M	999 dBA
						VFD Rating	CONSTANT 10:1
						Outline Dwg	B-SS622239
						Conn. Diag	00519001
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

