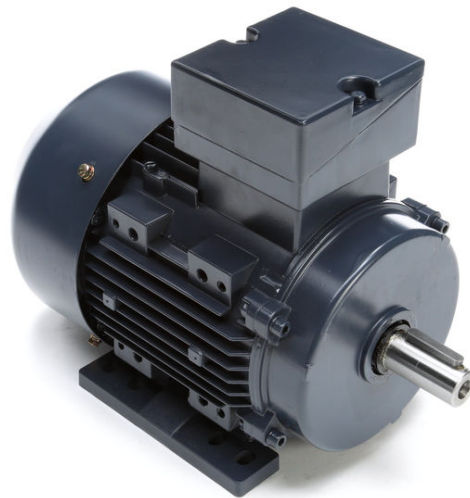


PRODUCT INFORMATION PACKET



Model No: 193394.60
Catalog No: 193394.60
30 HP General Purpose, 3 phase, 3600 RPM, 575 V, 180M Frame, TEFC
Cast Iron Motors



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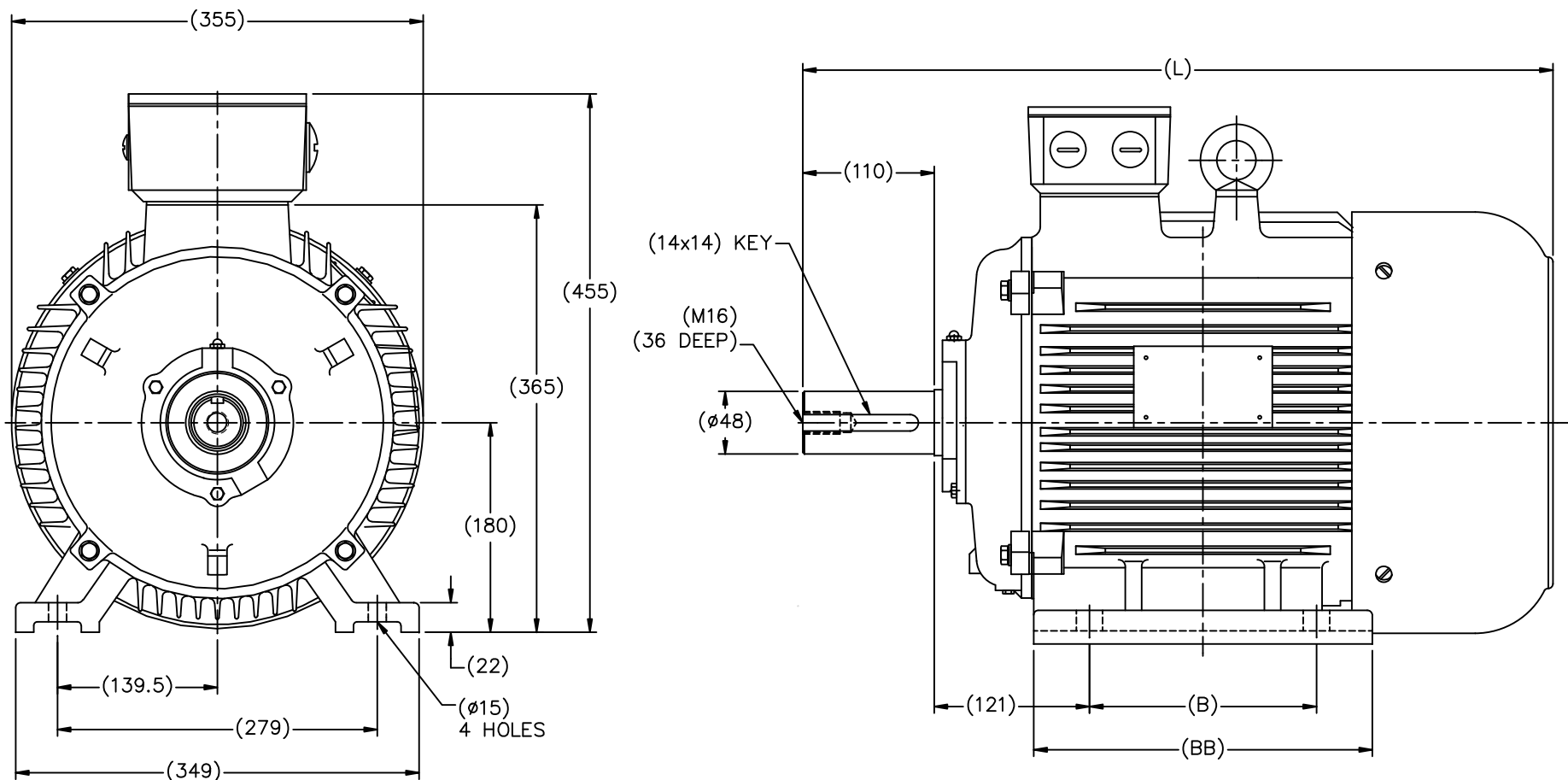
Nameplate Specifications

Output HP	30 Hp	Output KW	22.4 kW
Frequency	60 Hz	Voltage	575 V
Current	27.4 A	Speed	3548 rpm
Service Factor	1.15	Phase	3
Efficiency	93 %	Power Factor	87.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	180M	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6211	Opp Drive End Bearing Size	6211
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

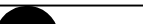
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Wye Start Delta Run Or Inverter
Poles	2	Rotation	Reversible
Mounting	Rigid Base	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Cast Iron	Shaft Type	IEC
Overall Length	26.77 in	Shaft Diameter	1.875 in
Shaft Extension	4.33 in	Assembly/Box Mounting	F3
Inverter Load	CONSTANT 10:1		
Outline Drawing	SS622257	Connection Drawing	005190

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(MAY NOT BE DRAWN TO SCALE)

(DIMENSIONS ARE IN MILLIMETERS)

										TOLERANCES UNLESS SPECIFIED		 REGAL-BELOIT CORPORATION	DRAWN HLB 12-06-2010					
										DEC.	METRIC		CHK	DJK	12-17-2010			
Cat.No						FRAME	B	BB	L		.X		±2.5	APPD SB 12-13-2010				
											.XX		±.76	SCALE 1=18				
											.XXX		±.127	REF				
193324.60	193322.60	DF180M	241	311	680						.XXXX	±.0127	MAT'L		FMF	HEBEI		
NO.						REVISION				BY & DATE		CHK	ANG	±7°30"	FINISH		PREV	
193325.60	193320.60	DF180L	279	349	718	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	12-22-2010	CAD FILE SS622257		SIZE B	DRAWING NO. SS622257	PAGE OF	REV.
											DIST							



CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: 005190

CATALOG #: 193394.60

OUTLINE: SS622257

MOUNTING: F3

WINDING #: T14502026 4

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
30	22.4	3600	3548	180M	TEFC	G	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	575	27.4	Y START D RUN OR INV	CONTINUOUS	F5	1.15	40

FULL LOAD EFF: 93	3/4 LOAD EFF: 93	1/2 LOAD EFF: 93	GTD. EFF	ELEC. TYPE
FULL LOAD PF: 87.5	3/4 LOAD PF: 86	1/2 LOAD PF: 81	91.7	SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
44.2 LB-FT	168	87.5 LB-FT 195 %	115 LB-FT 260 %	65

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
82 dBA	92 dBA	2.4 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
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE - LEESON (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
6211	6211						

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 NO BRAKE Hz

Data Sheet

Date: 1/31/2018

193394.60



Data @ 575 V

Motor Load Data

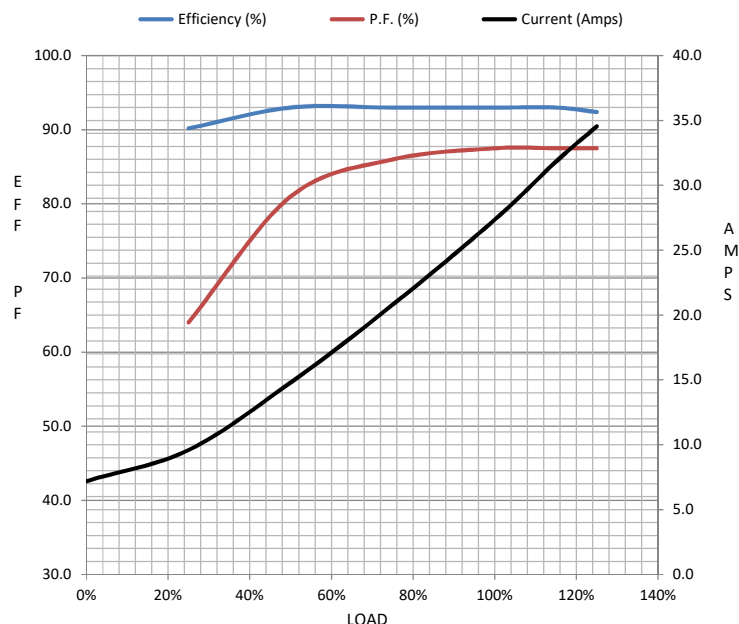
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	7.2	9.6	14.8	20.8	27.4	31.8	34.6	168	
Torque (ft-lb)	0.00	11.0	22.0	33.2	44.2	51.0	55.5	87.5	
RPM	3600	3588	3575	3562	3548	3,535	3530	0	
Efficiency (%)		90.2	93.0	93.0	93.0	93.0	92.4		
P.F. (%)	7.0	64.0	81.0	86.0	87.5	87.5	87.5	39.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	3450	3548	3600
Current (Amps)	168	152	96.0	27.4	7.2
Torque (ft-lb)	87.5	62.0	115	44.2	0.00

Information Block

HP	30.0			
Sync. RPM	3600			
Frame	286			
Enclosure	TEFC			
Construction	TFC			
Voltage	575 V			
Frequency	60 Hz			
Design	B			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	65 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk²	2.40 Lb-Ft²			
Ref Wdg	T14502026 NONE			
Sound Pressure @ 1M	82 dBA			
VFD Rating	CONSTANT 10:1			
Outline Dwg	SS622257			
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

