

# PRODUCT INFORMATION PACKET



Model No: 199090.00

Catalog No: 199090.00

Obsolete Replaced by B199090.00..10..3600.213JM.OPEN.230/460V.3.60/50HZ.CONT.40C..RIGID C-FACE.....

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### Nameplate Specifications

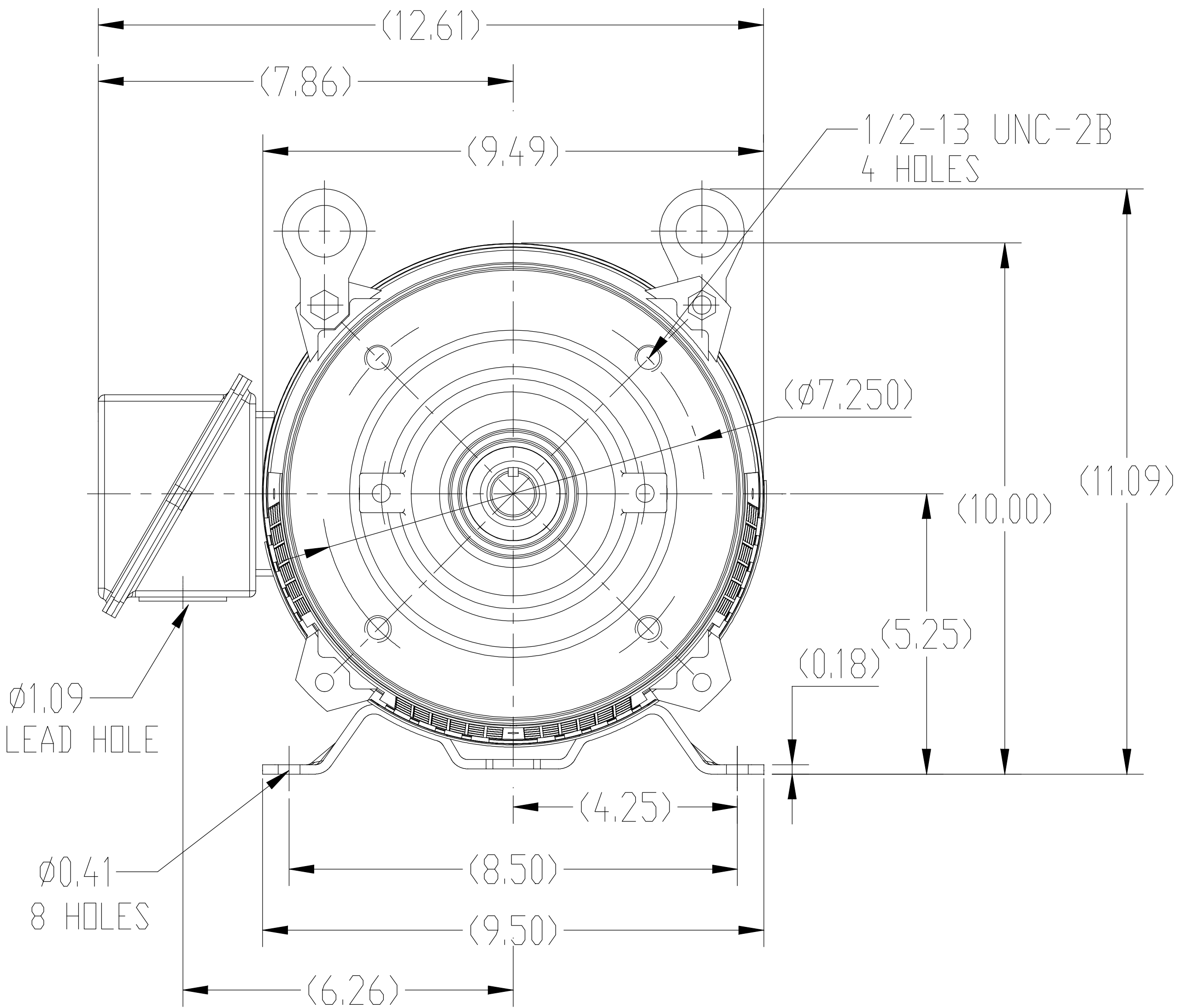
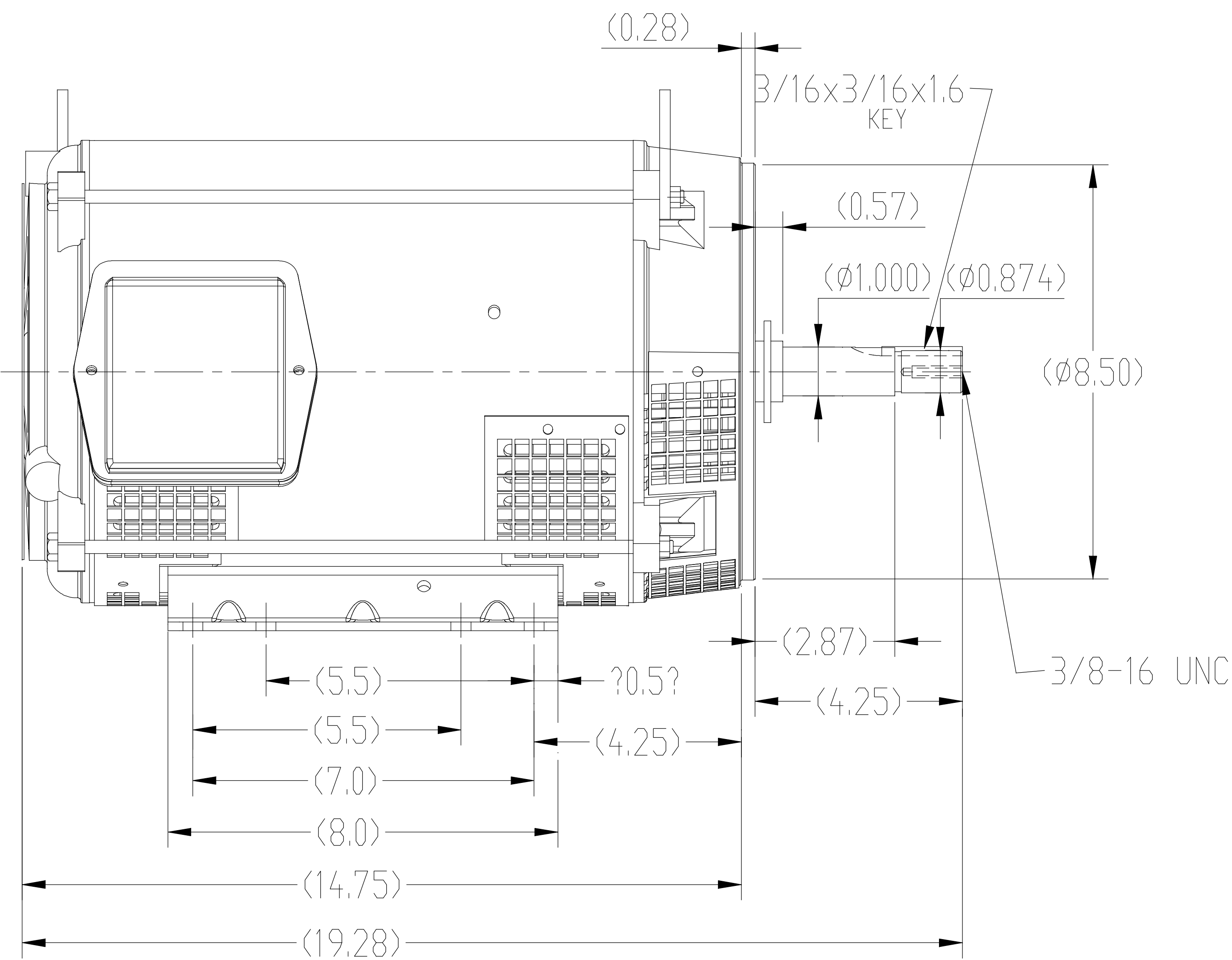
Phase	3	Output HP	10 & 7.50 Hp
Output KW	7.5 & 5.6 kW	Voltage	230/460 & 190/380 V
Speed	3495 & 2913 rpm	Service Factor	1.15 & 1.0
Frame	213JM	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	89.5 & 87.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	23/11.5 & 20.8/10.4 A	Power Factor	88
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	F
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6206
UL	Recognized	CSA	Y
CE	Y	IP Code	22
Number of Speeds	1		

### Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	.965 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	JM	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	VARIABLE 10:1		
Outline Drawing	SS620860	Connection Drawing	EE7308

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SS620860



						TOLERANCES UNLESS SPECIFIED				
						DEC.	INCHES			
						.X	±.1			
						.XX	±.03			
						.XXX	±.005			
A	RELEASED FOR PRODUCTION	ECD-0093138	WGJ 09-06-17	EMH	.XXXX	±.0005				
NO.	REVISION		BY & DATE	CHK	ANG	±1/2				
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				DIST						B
								DRAWING NO.	SS620860	REV.
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REGAL-BELOIT CORPORATION

213/215T FR-JM-ROLLED STEEL

DRAWN ZYH 6-8-2010

CHK HZJ 6-8-2010

APPD CL 6-8-2010

SCALE 1=5

REF

FMF Wuxi

PREV

REV.

A



				TOLERANCES UNLESS SPECIFIED		 <b>Regal Beloit America, Inc.</b>	DRAWN RM	11/20/1990
5	CHG TO REGAL LOGO	SL 09/10/2015	AB	DEC.	INCHES		CHK ML	11/21/1990
4	REVISED IEC NOTATIONS	MSG 11/15/2011	CMN	.X	±.1		APPD SAS	04/24/2003
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG 5/10/2010	MJS	.XX	±.02		SCALE	1=1
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005	TITLE CONNECTION DIAGRAM 3Ø – DUAL VOLTAGE MOTOR		REF
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005	MAT'L.		FMF
NO.	REVISION	BY & DATE	CHK	ANG	±7°30"	FINISH		PREV
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			DIST WP		A	EE7308	5	



## CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: EE7308

CATALOG #: 199090.00

OUTLINE: SS620860

MOUNTING: F1/F2 CAPABLE

WINDING #: CHT21320006 1

## TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
10&7 1/2	7.50&5.60	3600	3495&2913	213JM	DP	F	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	23/11.5&20.8/10.4	LINE OR INVERTER	CONTINUOUS	F5	1.15/1.0	40

FULL LOAD EFF:	89.5&87.5	3/4 LOAD EFF:	89.5	1/2 LOAD EFF:	88.5	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	88&86	3/4 LOAD PF:	86	1/2 LOAD PF:	80	88.5	SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
14.9 LB-FT	141 / 70.5	24 LB-FT 161 %	35.5 LB-FT 245 %	55

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
75 dBA	85 dBA	0.32 LB-FT^2	12 LB-FT^2	10 SEC.	2	100 LBS.

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

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	RODENT	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	JM	NONE	NONE	1045 HOT ROLLED (C-204)	ROLLED STEEL
6309	6206						

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: VARIABLE 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

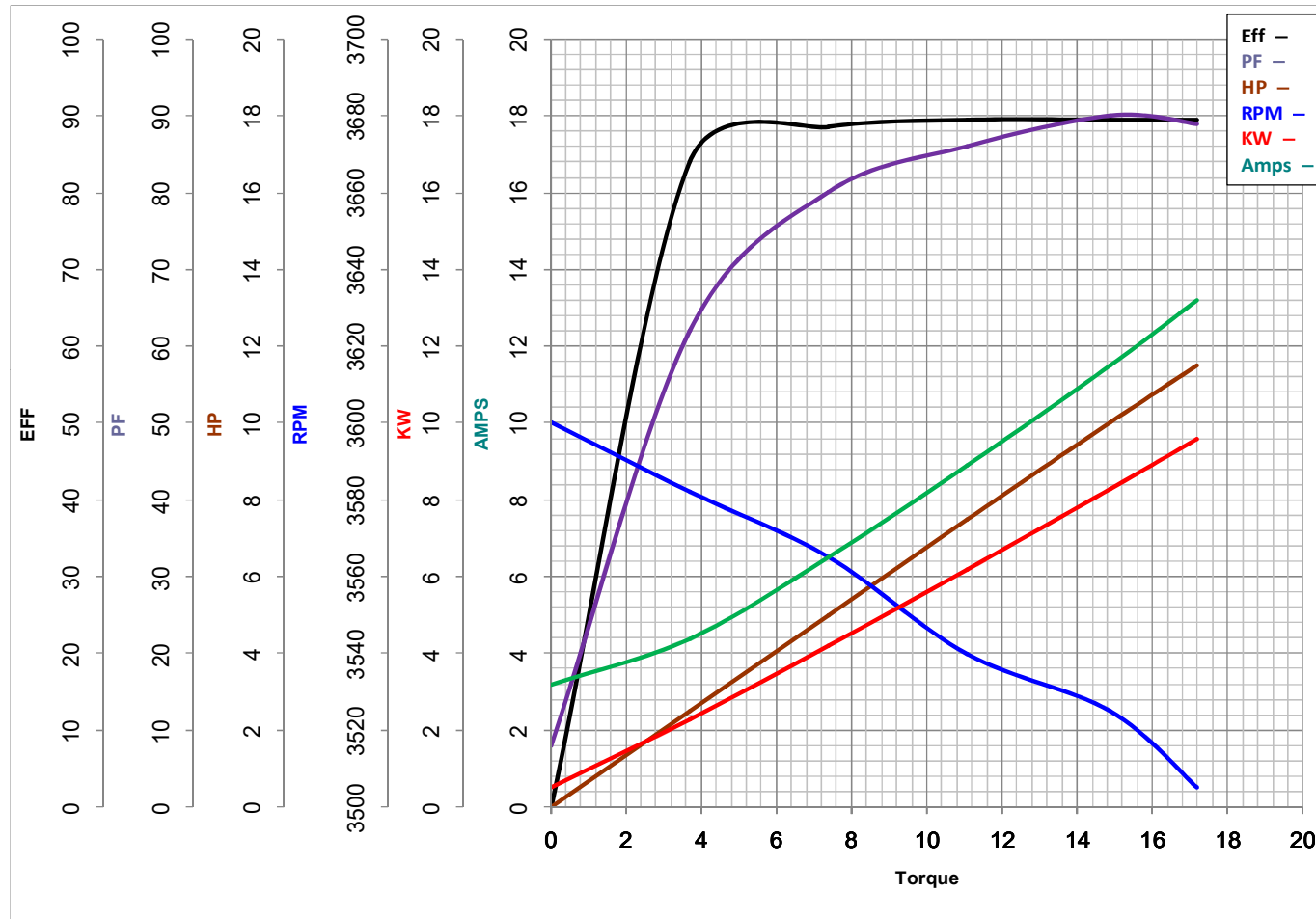


# LEESON ELECTRIC CORPORATION

## TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 199090.00

Curve at

460  
60  
10Volts  
HZ  
HPHP 10&7.5PHASE 3VOLTS 230/460&190/380Catalog No 199090.00HZ 60&50RPM 3495&2913

Torque in Lb.Ft

FL TORQUE 14.9 Lb.Ft  
 BD TORQUE 35.5 Lb.Ft  
 LR TORQUE 24 Lb.Ft

FL AMPS 23/11.5  
 PU TORQUE 21.6 Lb.Ft  
 LR AMPS 70.5

WINDING CHT21320006-1

Date 10/29/2018