

PRODUCT INFORMATION PACKET



Model No: 199977.00

Catalog No: 199977.00

Obsolete Replaced by B199977.00..20HP..3600RPM.256JM.TEFC.230/460V.3PH.60HZ.CONT.40C..RIGID C FACE.
.....JM PUMP.....



Regal and Leeson are trademarks of Regal Rexnord Corporation or one of its affiliated companies.

©2023 Regal Rexnord Corporation, All Rights Reserved. MC017097E





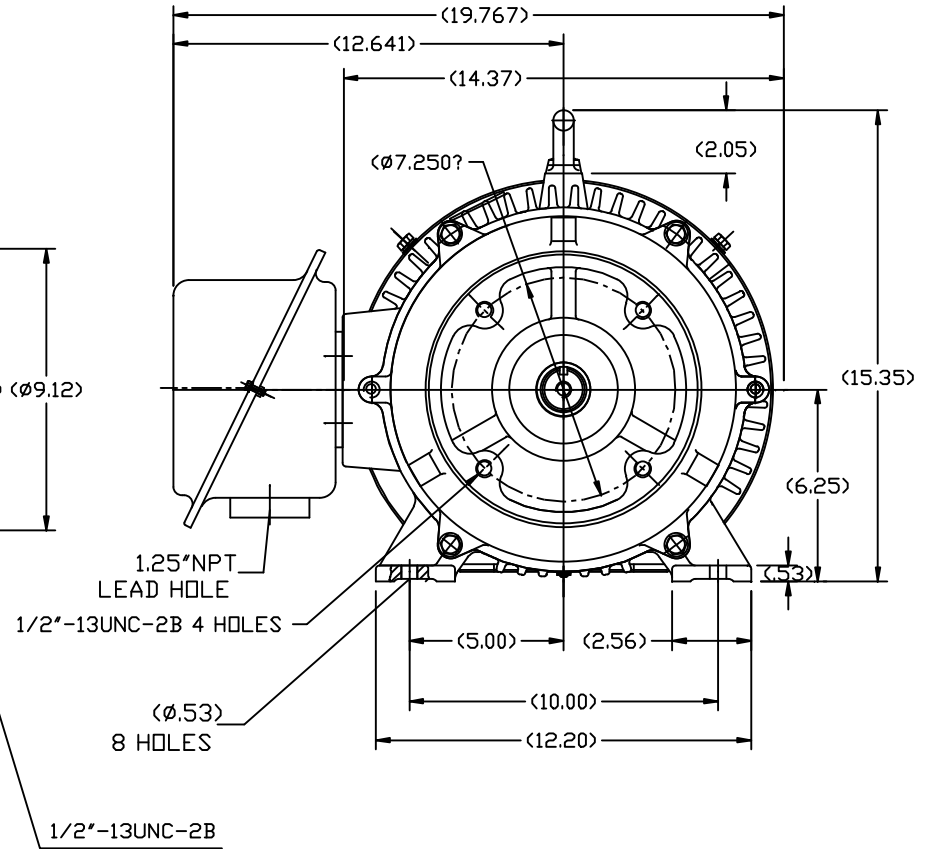
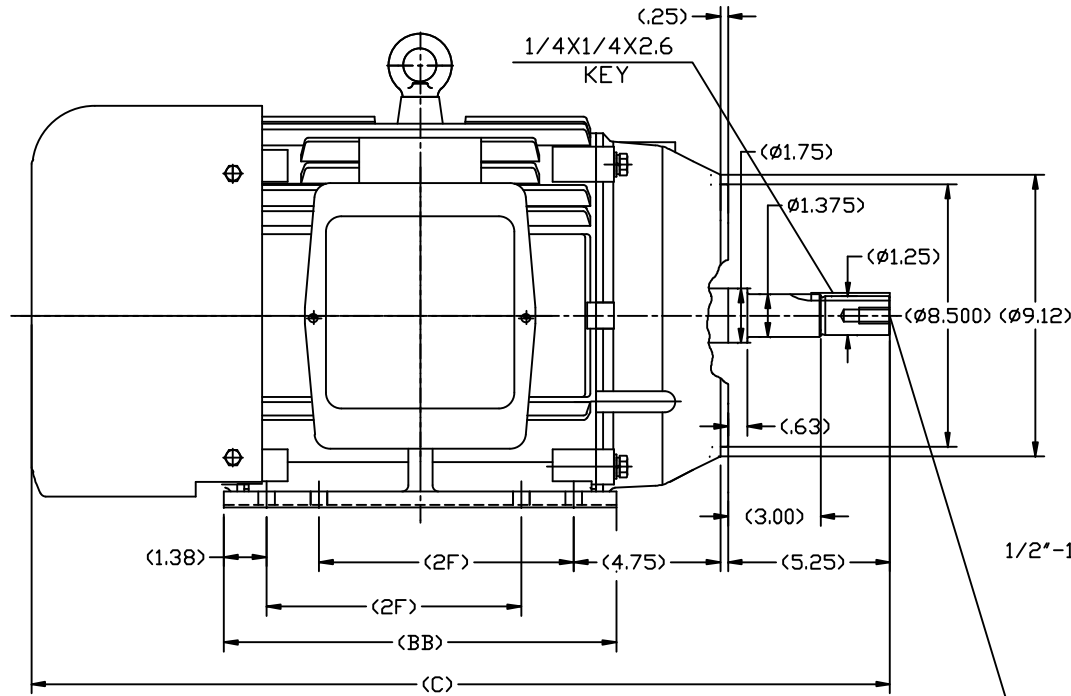
Nameplate Specifications

Phase	3	Output HP	20 & 15 Hp
Output KW	14.9 & 11.2 kW	Voltage	230/460 & 190/380 V
Speed	3555 & 2955 rpm	Service Factor	1.15 & 1.15
Frame	256JM	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	91 & 90.2 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	45/22.5 & 41.5/20.7 A	Power Factor	90
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6209	Opp Drive End Bearing Size	6209
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	.366 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	JM	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	VARIABLE 10:1		
Outline Drawing	SS620564-256	Connection Drawing	EE7308K_LE

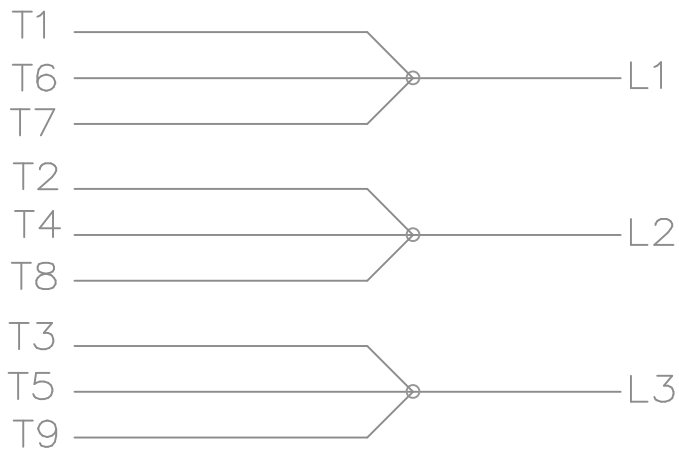
This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:06/22/2023



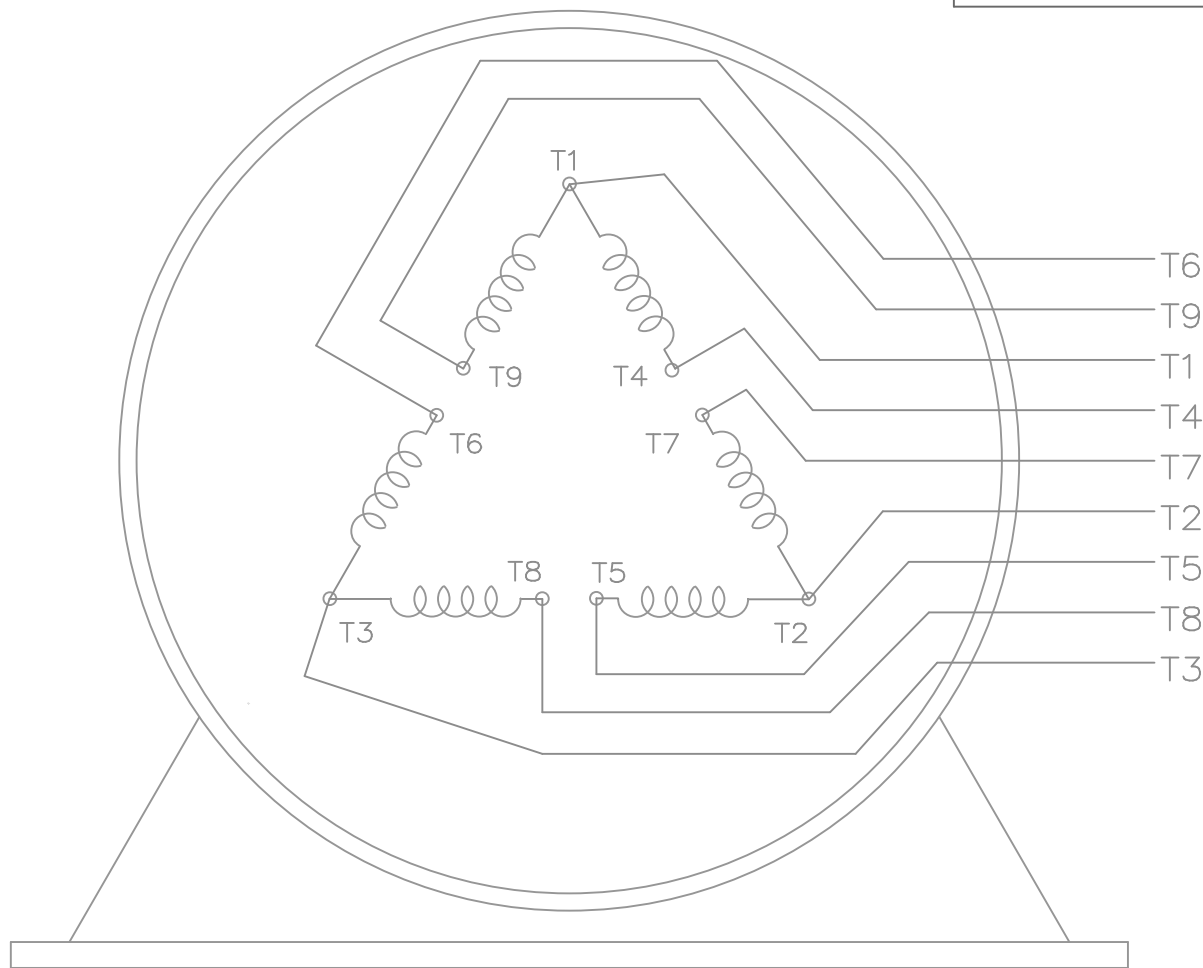
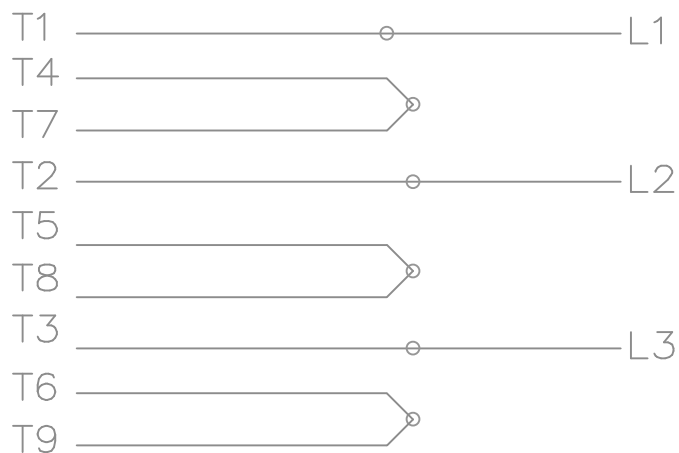
254	26.60	12.80	8.25
256	27.80	13.98	10.00
FRAME	C	BB	2F

		TOLERANCES UNLESS SPECIFIED		REGAL-BELOIT CORPORATION		DRAWN LSJ 05-16-2012
		DEC.	INCHES			CHK
		.X	±.1	TITLE		APPD
		.XX	±.03	OUTLINE		SCALE 1=4
		.XXX	±.005	254/256TC FR-TEFC-CAST IRON		REF
		.XXXX	±.0005	MAT'L.		FMF HWADA
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	CAD FILE	SS620564
				DIST	SIZE	DRAWING NO.
					B	SS620564
						REV.


LOW VOLTAGE



HIGH VOLTAGE



VIEW OF TERMINAL END

				TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN KJC 01-27-2003		
				DEC.	INCHES		CHK ML 01-28-2003		
				.X	±.1		APPD TB 01-28-2003		
				.XX	±.02		SCALE 1.5=1		
				.XXX	±.005		REF		
01	NEW DRAWING CN36099	KJC 01-28-2003	TB	.XXXX	±.0005	TITLE CONNECTION DIAGRAM DELTA CONN. - 3φ - 9 LEADS		FMF	
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	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	CAD FILE EE7308K-LE		SIZE A	DRAWING NO. EE7308K-LE	PAGE OF 01
				DIST	WP			REV. 01	



CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: EE7308K_LE

CATALOG #:199977.00

OUTLINE: SS620564

MOUNTING: F1/F2 CAPABLE

WINDING #: CHT25620003 1

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
20&15	14.9&11.2	3600	3555&2955	256JM	TEFC	G	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	45/22.5&41.5/20.7	LINE OR INVERTER	CONTINUOUS	F3	1.15/1.15	40

FULL LOAD EFF:	91&90.2	3/4 LOAD EFF:	91	1/2 LOAD EFF:	89.5	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	90&87.5	3/4 LOAD PF:	87.5	1/2 LOAD PF:	82	90.2		SQ CAGE INV RATED	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
29.6 LB-FT	280 / 140	54 LB-FT 182 %	75 LB-FT 254 %	50

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
72 dBA	82 dBA	1.65 LB-FT^2	- LB-FT^2	20 SEC.	2	435 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	NONE	BLUE - LEESON (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)	CAST IRON
6209	6209						

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

*
N
O
T
E
S

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
FT-LB NONE V NONE Hz



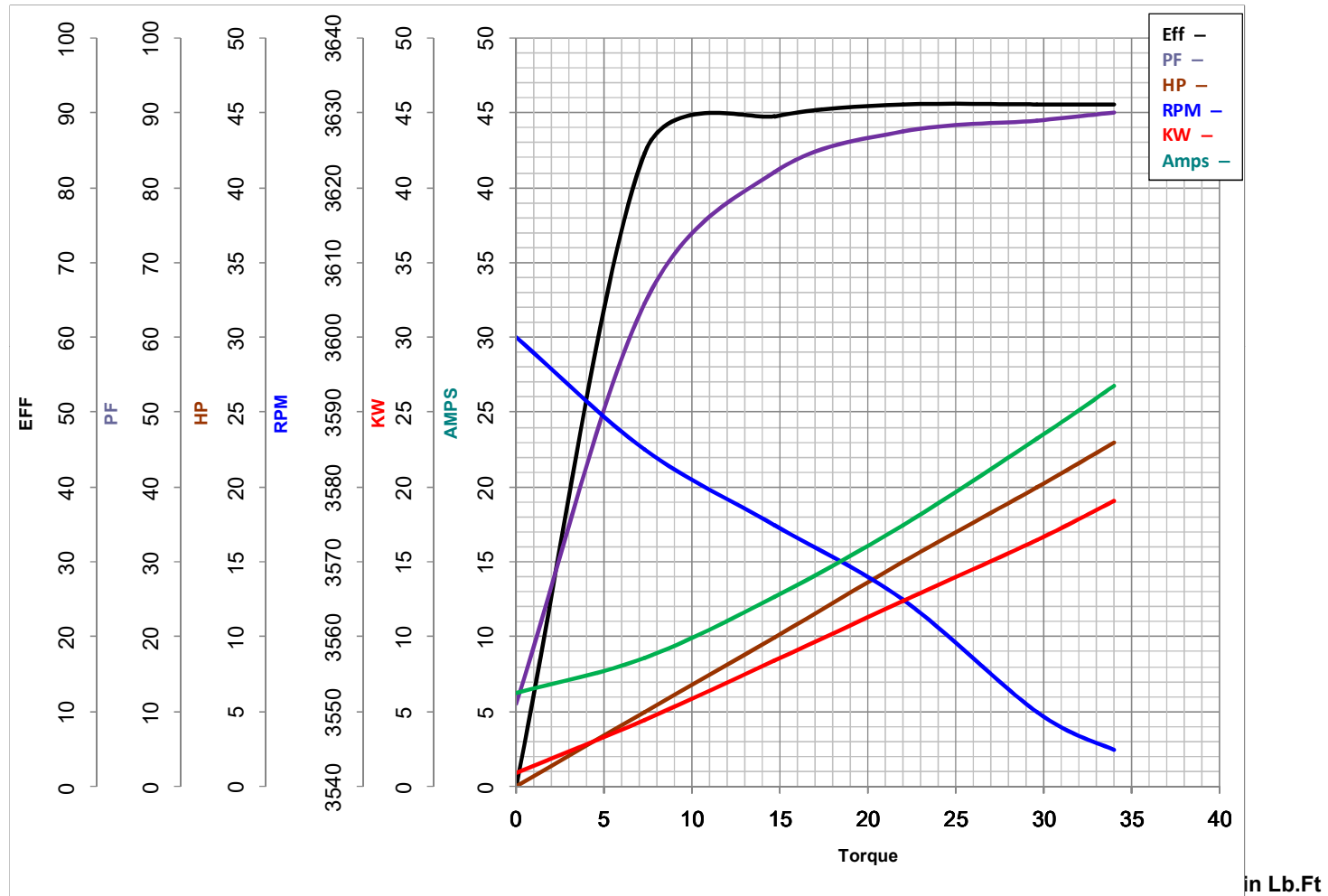
LEESON ELECTRIC CORPORATION
 TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 199977.00

Curve at 460 Volts HP 20&15 PHASE 3
60 HZ
20 HP VOLTS 230/460&190/380

Catalog No 199977.00

HZ 60&50 RPM 3555&2955



FL TORQUE	<u>29.6</u>	Lb.Ft	FL AMPS	<u>45/22.5</u>
BD TORQUE	<u>75.0</u>	Lb.Ft	PU TORQUE	<u>46.0</u> Lb.Ft
LR TORQUE	<u>54</u>	Lb.Ft	LR AMPS	<u>140</u>
WINDING	CHT25620003-1		Date	10/29/2018