

# PRODUCT INFORMATION PACKET



Model No: 199976.00

Catalog No: 199976.00

Obsolete Replaced by B199976.00..15HP..1800RPM.254JM.TEFC.230/460V.3PH.60HZ.CONT.40C..RIGID C FACE.  
.....JM PUMP.....



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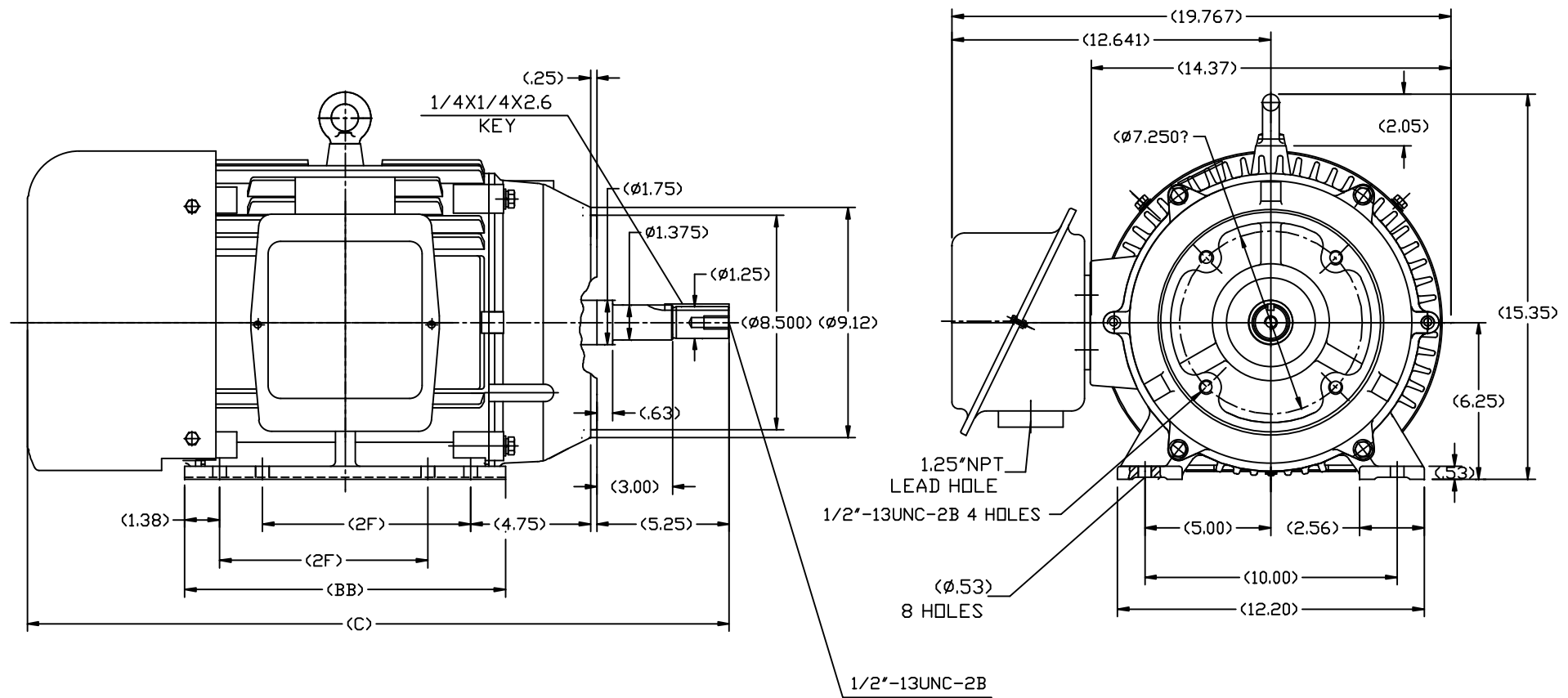
### Nameplate Specifications

Phase	3	Output HP	15 & 10 Hp
Output KW	11.2 & 7.5 kW	Voltage	230/460 & 190/380 V
Speed	1770 & 1475 rpm	Service Factor	1.15 & 1.15
Frame	254JM	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	92.4 & 93 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	37/18.5 & 31/15.5 A	Power Factor	82
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6309	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	4	Rotation	Reversible
Resistance Main	.555 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	SS620564-254	Connection Drawing	EE7308K_LE

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

TOLERANCES UNLESS SPECIFIED				DRAWN L.S.J 05-16-2012	
DEC.	INCHES			CHK	
.X	±.1			APPD	
.XX	±.03			SCALE	1=4
.XXX	±.005			REF	
.XXXX	±.0005			FMF	HWADA
NO.	REVISION	BY & DATE	CHK	ANG	±1/2
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				DIST	
				CAD FILE	SS620564
				SIZE	DRAWING NO.
				B	SS620564
				REV.	

LOW VOLTAGEHIGH 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	TITLE CONNECTION DIAGRAM DELTA CONN. - 3Ø - 9 LEADS	SCALE 1.5=1			
				.XXX	±.005		REF			
01	NEW DRAWING CN36099	KJC 01-28-2003	TB	.XXXX	±.0005	MAT'L.	FMF			
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH	PREV			
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				DIST WP			A	EE7308K-LE		01



## CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: EE7308K\_LE

CATALOG #: 199976.00

OUTLINE: SS620564

MOUNTING: F1/F2 CAPABLE

WINDING #: CHT25440001 1

## TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
15&10	11.2&7.50	1800	1770&1475	254JM	TEFC	G	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	37/18.5&31/15.5	LINE OR INVERTER	CONTINUOUS	F3	1.15/1.15	40

FULL LOAD EFF:	92.4&93	3/4 LOAD EFF:	93	1/2 LOAD EFF:	91.7	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	82&79	3/4 LOAD PF:	77.5	1/2 LOAD PF:	67	91.7	SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
44.5 LB-FT	220 / 110	74.8 LB-FT 168 %	116 LB-FT 260 %	45

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
65 dBA	75 dBA	2.5 LB-FT^2	110 LB-FT^2	20 SEC.	2	400 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
6309	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: VARIABLE 10:1

INV. HP SPEED RANGE: NONE

ENCODER: NONE

NONE NONE

NONE NONE PPR

BRAKE: NONE NONE

NONE P/N NONE

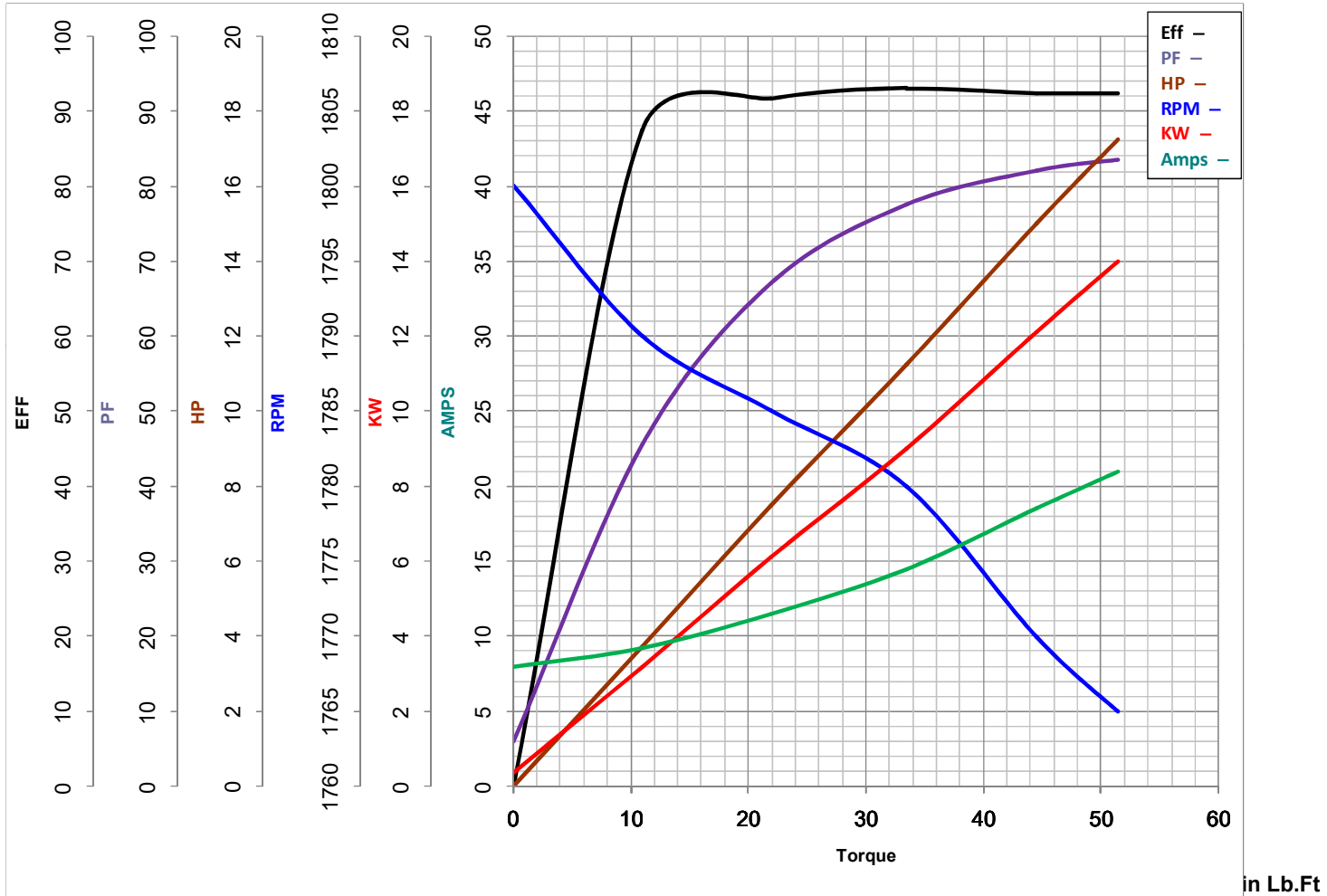
NONE NONE

FT-LB NONE V NONE Hz



# LEESON ELECTRIC CORPORATION

## TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 199976.00Curve at 460  
60  
15Volts  
HZ  
HPHP 15&10PHASE 3VOLTS 230/460&190/380Catalog No 199976.00HZ 60&50RPM 1770&1475

FL TORQUE 44.5 Lb.Ft  
 BD TORQUE 116.0 Lb.Ft  
 LR TORQUE 74.8 Lb.Ft

FL AMPS 37/18.5  
 PU TORQUE 65.0 Lb.Ft  
 LR AMPS 110

WINDING CHT25440001-1

Date 10/29/2018