

PRODUCT INFORMATION PACKET



Model No: 140834.00

Catalog No: 140834.00

General Purpose Motor, 3 & 2 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1200 & 1000 RPM,
215TC Frame, TEFC



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Nameplate Specifications

Phase	3	Output HP	3 & 2 Hp
Output KW	2.2 & 1.5 kW	Voltage	230/460 & 190/380 V
Speed	1170 & 980 rpm	Service Factor	1.15 & 1.15
Frame	215TC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	89.5 & 87.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	8.8/4.4 & 7.6/3.8 A	Power Factor	70
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	K
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6206
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	6	Rotation	Reversible
Resistance Main	2.785 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	20.97 in
Frame Length	11.15 in	Shaft Diameter	1.375 in
Shaft Extension	3.38 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	A-SS86630LE-1115	Connection Drawing	A-EE7308-LE

SS86630LE

(C)

(AG)

3.12

.31
.25

.31x.31x2.38
KEY

$\phi 8.500$
 $\phi 8.497$

($\phi 8.81$)

1.3750
1.3745

.004 A

-A-

(5.00)

BS

5.50

5.50

7.00

(8.00)

4.25

.25

.004 A

TERM END

$\phi 1.09$ LEAD HOLE
 $\phi 1.34$ KNOCKOUT

1/2-13 UNC-2B
.88 FULL THD.
4 HOLES

$\phi .41-.46$
8 HOLES

(13.31)

(7.75)

(6.07)

($\phi 9.50$)

(1.03)

$\phi 7.265$
 $\phi 7.235$

(5.78)

(11.00)

5.25
5.19

(.18)

4.25

8.50

(9.50)

2.11

NOTES:

1. NAMEPLATE TO BE READ FROM C'BOX SIDE OF MOTOR.
2. BOX CAN BE MOUNTED IN 90° STEPS.
3. BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180° (EXCEPT AS NOTED.)

9/18/2009 7:21:31 AM

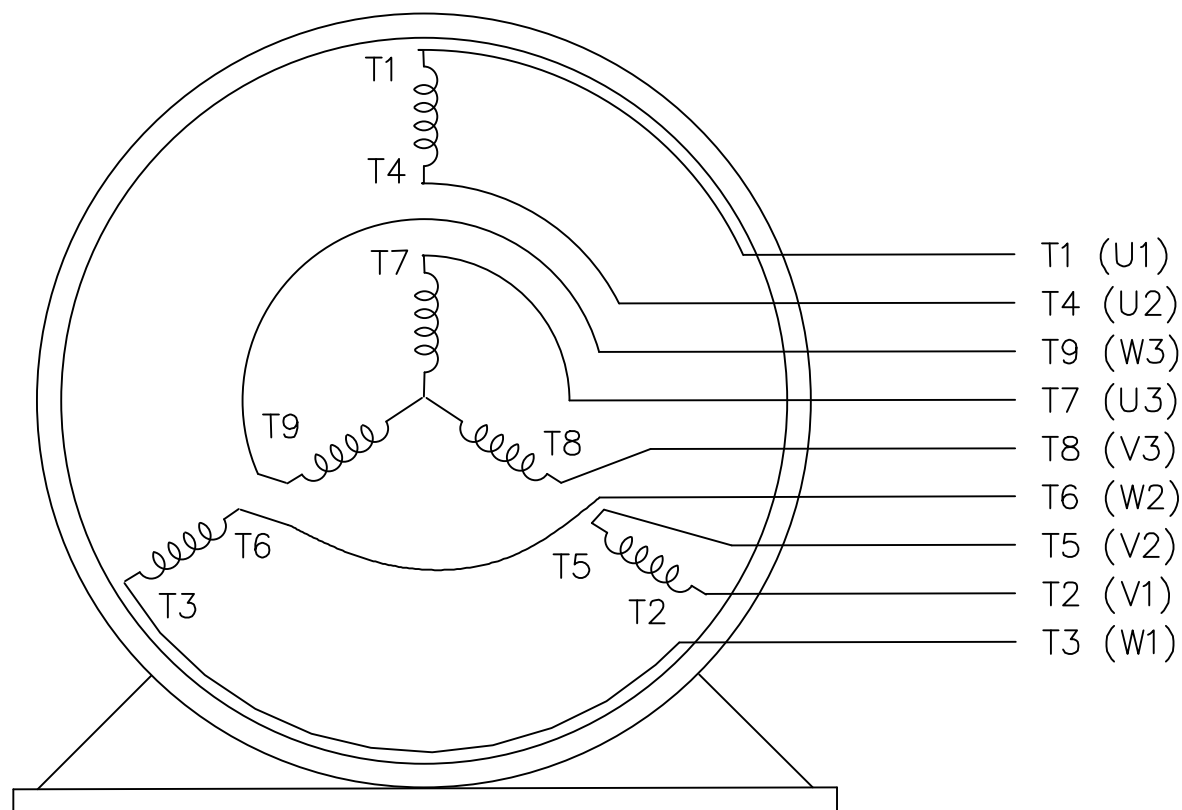
Diagram illustrating a quantum circuit with 9 qubits (T1 to T9) and 3 layers of CNOT gates. The qubits are grouped into three sets: (U1) T1, (V1) T2, (W1) T3; (U2) T4, (U3) T7; and (V2) T5, (V3) T8, (W2) T6, (W3) T9. The circuit structure is as follows:

- Layer 1: CNOT gates from T1 to T2, T2 to T3, and T4 to T7.
- Layer 2: CNOT gates from T2 to T5, T5 to T8, and T7 to T6.
- Layer 3: CNOT gates from T3 to T6, T6 to T9, and T4 to T9.

All qubits are initialized to 0.

Diagram illustrating a 3-to-1 multiplexer structure with three 2-to-1 sub-multiplexers:

- Inputs (U1) T1 and (U3) T7 are connected to the first 2-to-1 sub-multiplexer, which outputs L1.
- Inputs (V1) T2 and (V3) T8 are connected to the second 2-to-1 sub-multiplexer, which outputs L2.
- Inputs (W1) T3 and (W3) T9 are connected to the third 2-to-1 sub-multiplexer, which outputs L3.
- Inputs (U2) T4, (V2) T5, and (W2) T6 are connected to a fourth 2-to-1 sub-multiplexer, which also outputs L3.



VIEW OF TERMINAL END

REF.
WINDING DIAGRAM

T8Y, T2Y, T2BL, T4BX, T2EC, T2G
T6BZ, T2B, T6BL, T4AV, T6B, T4B

				TOLERANCES UNLESS SPECIFIED				ELECTRIC MOTORS GEARMOTORS AND DRIVES			DRAWN HLB 04-29-2002			
				DEC.	INCHES			CHK	ML	05-03-2002				
				.X	±.1			APPD	GK	05-03-2002				
				.XX	±.01			TITLE CONNECTION DIAGRAM 3Ø – DUAL VOLTAGE MOTOR			SCALE	1=1		
2	ADDED IEC NOTATIONS... (U1), (V1) ETC. (MU105786)	REP 01-11-2012	DR	.XXX	±.005					REF				
1	NEW DRAWING	HLB 05-03-2002	ML	.XXXX	±.0005		MAT'L.			FMF				
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"		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 EE7308-LE			SIZE	DRAWING NO.	PAGE	OF	REV.
				DIST LB-WP						A	EE7308-LE			



P.O. BOX 8003
WAUSAU, WI 54401-8003
PH. 715-675-3311

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: A-EE7308-LE
OUTLINE: A-SS86630LE-1115
WINDING: K213660

CAT #: 140834.00

R11 6

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
3	2.2	1200	1170	215TC	TEFC	TFW	K	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	230/460#190/380	8.8/4.4&7.6/3.8	ACROSS THE LINE	CONT	F	1.15	40	3300

F.L. EFF	89.5	3/4 LD EFF	89.5	1/2 LD EFF	87.5	GTD EFF	88.5	ELECT. TYPE	SQ CAGE IND RUN
F.L. PF	70.0	3/4 LD PF	62.0	1/2 LD PF	49.5				

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)
13.5 LB-FT	32.0	34.0 LB-FT 252%	47.5 LB-FT 352%	45

PRESSURE @ 3	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
55 dBA	64 dBA	0.80 LB-FT²	90 LB-FT²	25 SEC.	2	150 LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL	NO	NONE	NO	NONE	JE - LEESON (ENAM)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	T	NONE	NONE	AISI 1045 (C-240)	ROLLED STEEL
6309	6206						

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS
NONE	NOT	NONE	NONE	NONE	FALSE	NA

R1 (ohms/ph)	R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (in/sec)	FLOAT
1.627	1.589	6.763	7.785	95.063	0.150	NONE

* N O T E S *		INVERTER TORQUE: NONE INV. HP SPEED RANGE: NONE ENCODER: NONE NONE NONE NONE PPR

DATE: 1/31/2018	BRAKE: NONE NONE NONE FT-LB: NA VOLTAGE: NONE HZ: UL: Y-(LEESON UL REC)
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Data Sheet

Date: 1/31/2018

140834.00



Data @ 460 V

Motor Load Data

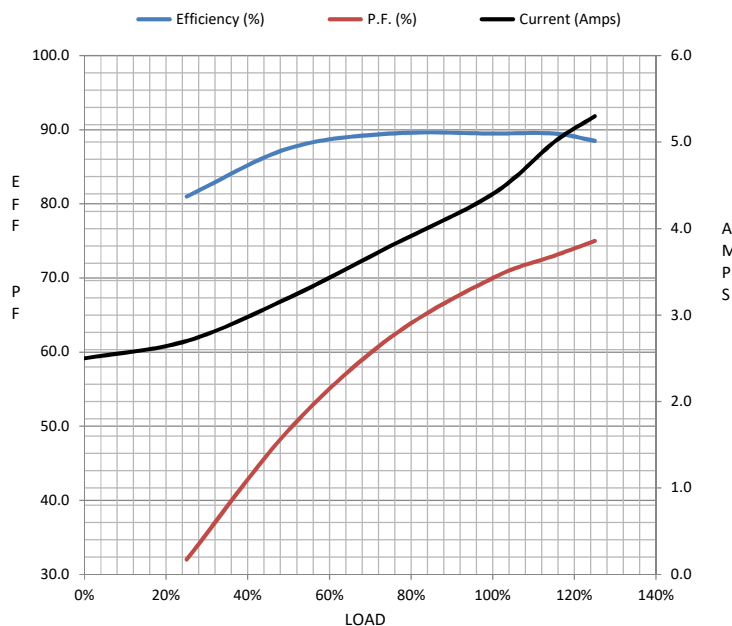
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	2.50	2.70	3.2	3.8	4.4	5.0	5.3	32.0	
Torque (ft-lb)	0.00	3.3	6.7	10.0	13.5	15.5	17.0	34.0	
RPM	1200	1194	1186	1180	1170	1,168	1166	0	
Efficiency (%)		81.0	87.5	89.5	89.5	89.5	88.5		
P.F. (%)	6.0	32.0	49.5	62.0	70.0	73.0	75.0	40.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	1025	1170	1200
Current (Amps)	32.0	28.0	20.0	4.4	2.50
Torque (ft-lb)	34.0	32.0	47.5	13.5	0.00

Information Block

HP	3.0			
Sync. RPM	1200			
Frame	213			
Enclosure	TEFC			
Construction	TFW			
Voltage	230/460#190/380	V		
Frequency	60	Hz		
Design	B			
LR Code letter	K			
Service Factor	1.15			
Temp Rise @ FL	45	° C		
Duty	CONT			
Ambient	40	° C		
Elevation	1,000	feet		
Rotor/Shaft wk ²	0.80	Lb-Ft ²		
Ref Wdg	K213660	R11		
Sound Pressure @ 1M	55	dBA		
VFD Rating	NONE			
Outline Dwg	A-SS86630LE-1115			
Conn. Diag	A-EE7308-LE			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
1.6270	1.5890	6.7630	7.7850	95.0630



Speed - Torque Curve

