

PRODUCT INFORMATION PACKET

Model No: LM28200

Catalog No: LM28200

Elevator Duty Motor, 7.50 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 254TCV Frame, OPEN



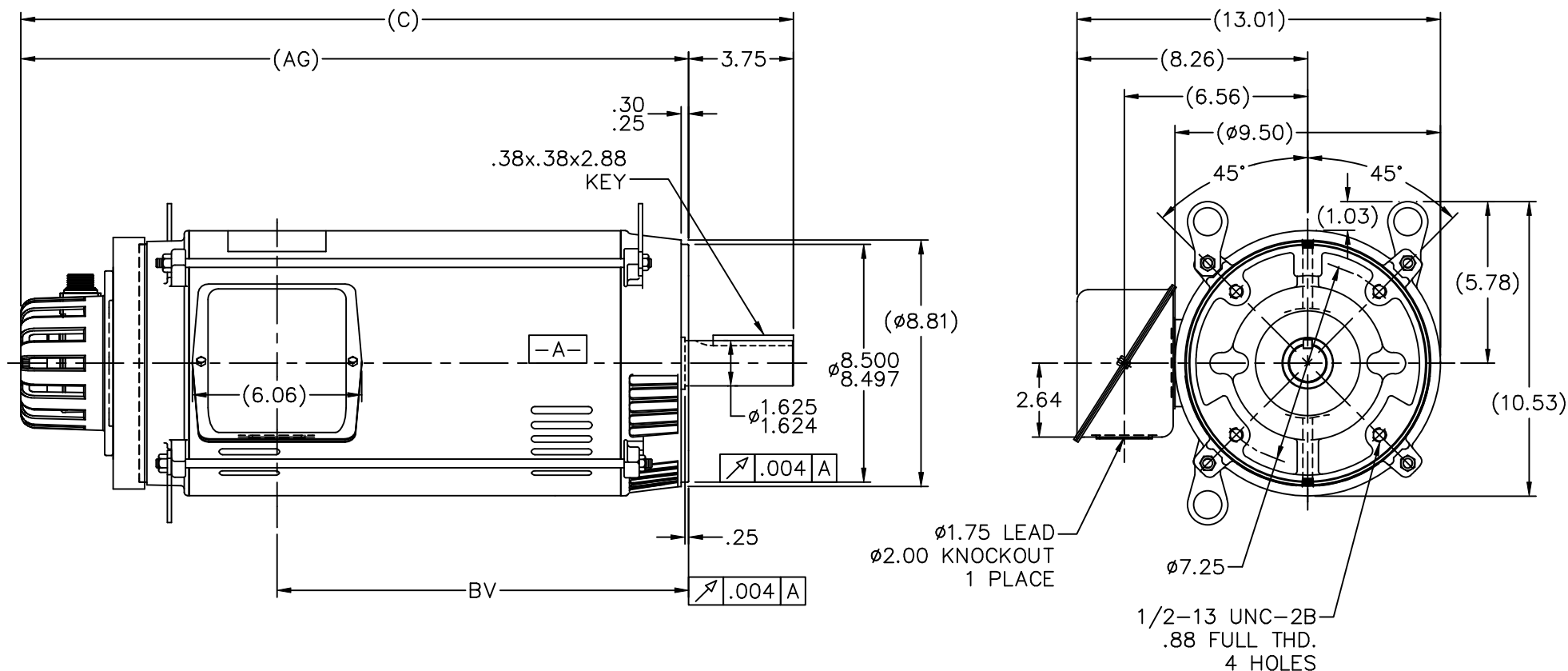
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Nameplate Specifications

Output HP	7.50 Hp	Output KW	5.6 kW
Frequency	60 Hz	Voltage	230/460 V
Current	19.0/9.5 A	Speed	1155 rpm
Service Factor	1	Phase	3
Efficiency	87.5 %	Power Factor	83
Duty	Elevator	Insulation Class	F
Design Code	INV	KVA Code	K
Frame	254TCV	Enclosure	Open Enclosed
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	309	Opp Drive End Bearing Size	208
UL	Recognized	CSA	Y
CE	Y	IP Code	10
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Duty	Starting Method	Inverter Only
Poles	4	Rotation	Reversible
Resistance Main	1.77 Ohms	Mounting	Round
Motor Orientation	Shaft Down	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	25.90 in
Frame Length	13.40 in	Shaft Diameter	1.625 in
Shaft Extension	3.75 in	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	CONSTANT 1000:1		
Outline Drawing	A-SS89419LN-1340	Connection Drawing	A-EE7308T-LN



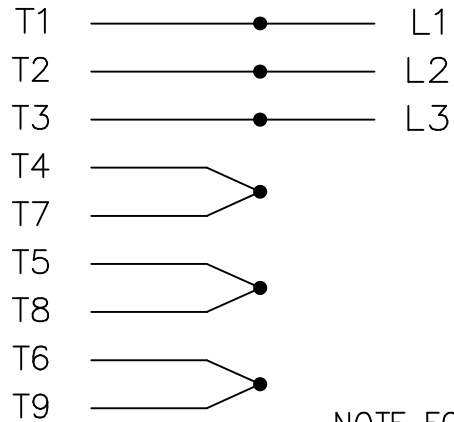
NOTES:

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.)

DASH	FRAME	C	AG	BV
1340	254TCV	25.90	22.15	12.76
1515	254/6TCV	27.65	23.90	14.50

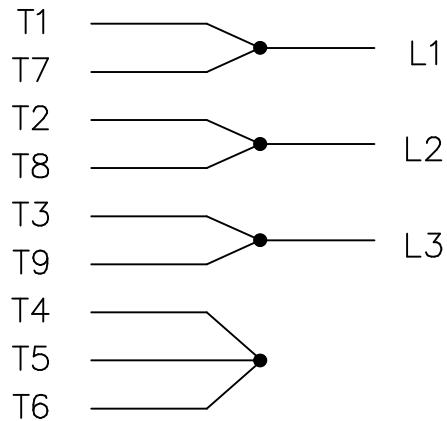
				TOLERANCES UNLESS SPECIFIED			DRAWN TJW 8/27/2007				
				DEC.	INCHES		CHK ML 8/27/2007				
				.X	±.1		APPD BW 8/27/2007				
				.XX	±.03		SCALE 1=5.5				
2	ADDED VENTS TO REAR BKT. ISAAC #07-2780	RWR 11-09-2007	ML	.XXX	±.005	TITLE OUTLINE – STEEL C'BOX HS35 TACH 250TCV FR. – BB – DR.PR.				REF	
1	REVISE O.D.E. BRKT PER ISAAC #07-2446	RWR 10-12-2007	ML	.XXXX	±.0005	MAT'L.				FMF MU81432	
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 SS89419LN			SIZE A	DRAWING NO. SS89419LN	PAGE OF	REV. 2
			DIST LB								

HIGH VOLTAGE



NOTE FOR FACTORY USE ONLY:
TO SURGE TEST FOR COMMON CONNECT:
HIGH VOLT: CONNECT P1 TO T1
THEN P2 TO L1
LOW VOLT: CONNECT P1 TO T1 & T7,
THEN P2 TO L1

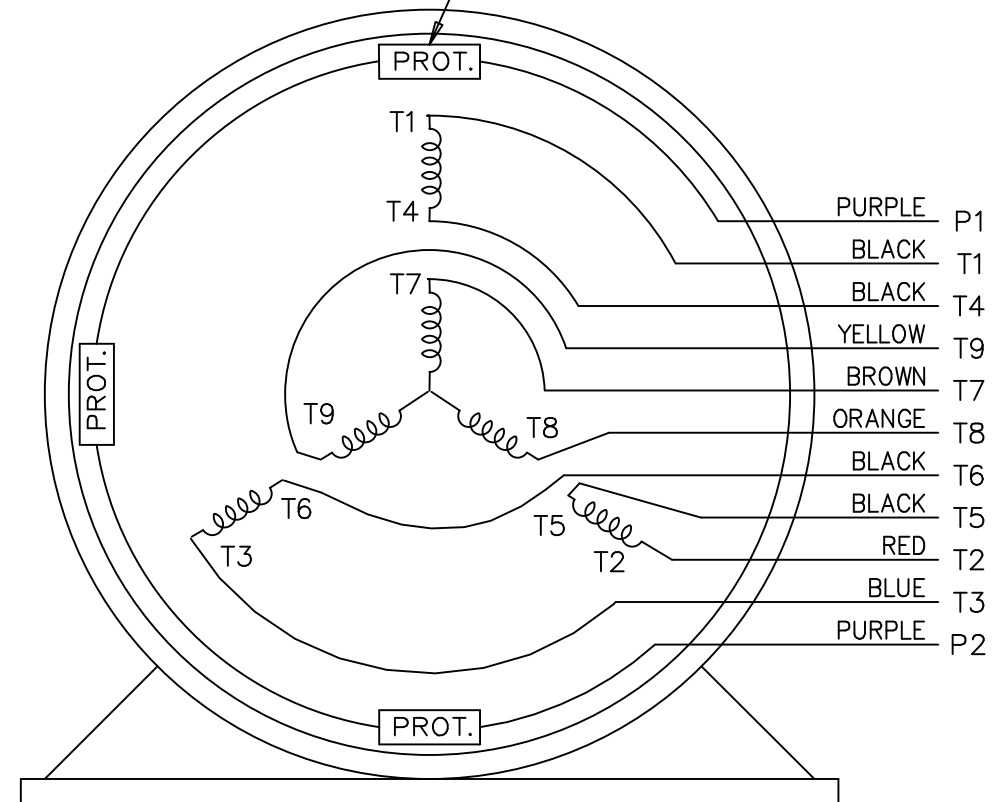
LOW VOLTAGE



THREE PHASE DUAL VOLTAGE MOTOR

EE7308T-LN

THREMO-PROTECTORS
CONNECTED IN SERIES.



VIEW OF TERMINAL END

				TOLERANCES UNLESS SPECIFIED			DRAWN BJK 07-16-2002					
				DEC.	INCHES		CHK	DRS	07-18-2002			
				.X	±.1		APPD	GK	07-18-2002			
				.XX	±.02		TITLE CONNECTION DIAGRAM 3 PHASE – DUAL VOLTAGE MOTOR				SCALE	1=1
2	ADDED COLORS TO "T & P" LEADS	CN 40494	MSG 08-08-2006	ML	.XXX	±.005					REF	
1	NEW DRAWING		BJK 07-18-2002	DRS	.XXXX	±.0005	MAT'L.	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 ee7308t_ln			SIZE A	DRAWING NO. PAGE OF		REV. 2
				DIST LB						EE7308T-LN		



**2100 WASHINGTON ST.
GRAFTON, WI
PH. 262-277-8810**

CERTIFICATION DATA SHEET

CONN. DIAGRAM: A-EE7308T-LN

OUTLINE: A-SS89419LN-1340

WINDING #: K2154400 1

CATALOG #: LM28200BB

MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
7 1/2	5.60	1200	1155	254TCV	OPEN	K	INV

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	230/460	19/9.5	INVERTER ONLY	ELEVATOR	F3	1.0	40

FULL LOAD EFF:	87.5	3/4 LOAD EFF:	88.5	1/2 LOAD EFF:	87.5	GTD. EFF		ELEC. TYPE
FULL LOAD PF:	83	3/4 LOAD PF:	77	1/2 LOAD PF:	65	85.5		SQ CAGE INV DUTY

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
34 LB-FT	160 / 80	130 LB-FT 382 %	128 LB-FT 376 %	100

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
66 dBA	76 dBA	1.5 LB-FT^2	- LB-FT^2	- SEC.	-	150 LBS.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	ENCODER	ROUND	SHAFT DOWN	FALSE	NONE	FALSE	NONE	GRAY - LINCOLN

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL						
309	208	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	ROLLED STEEL

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
TSTATS (N/C)	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

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INVERTER TORQUE: CONSTANT 1000:1
INV. HP SPEED RANGE: NONE
ENCODER: REGAL SUPPLIED - REGAL MOUNT DYNAPAR HS35 LINCOLN MS CONNECTOR 1024 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 LM28200

Curve at

460

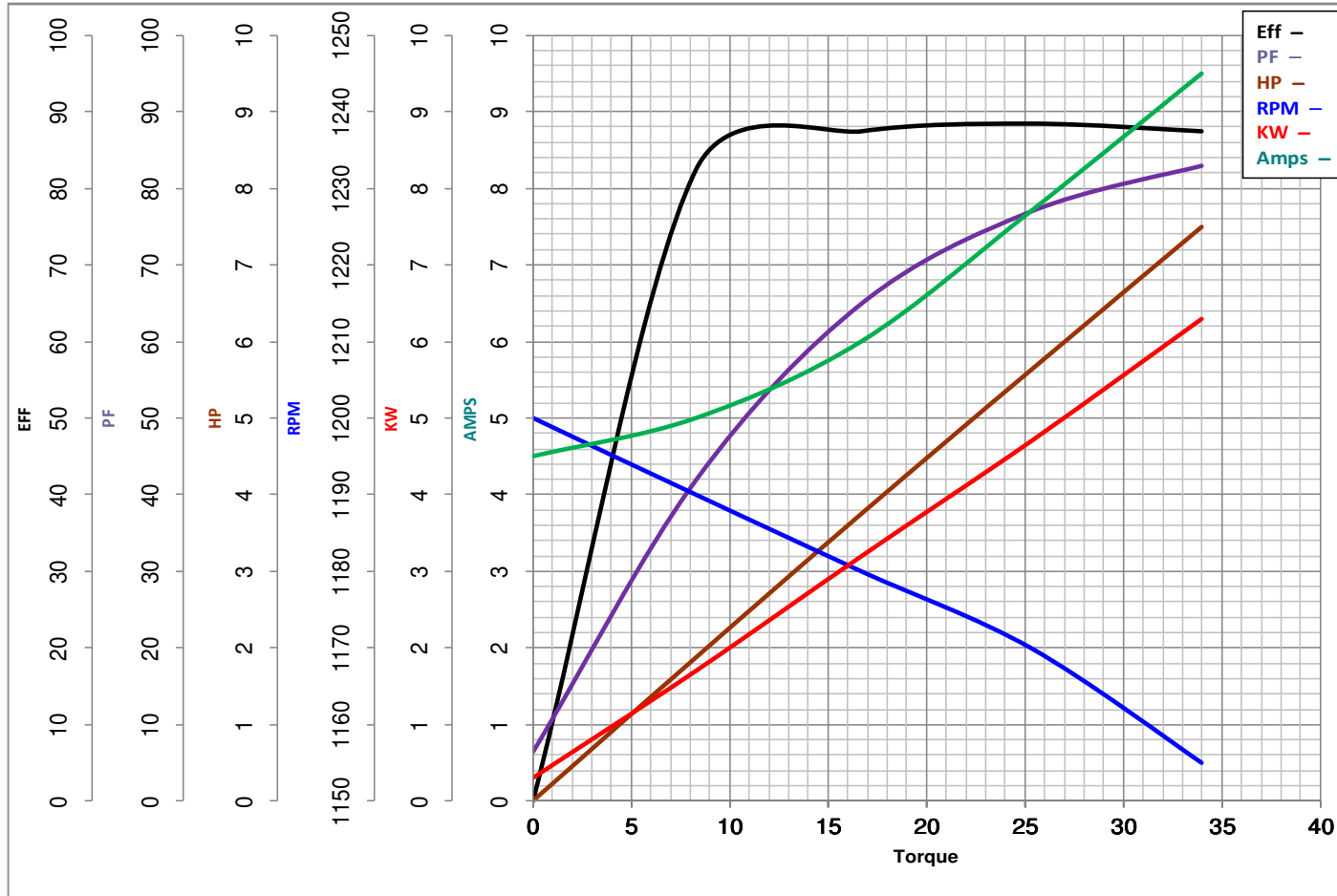
Volts

HP 7.50PHASE 360

HZ

7.5

HP

VOLTS 230/460Catalog No LM28200BBHZ 60RPM 1155

Torque in LB-FT

FL TORQUE 34 LB-FTBD TORQUE 128.0 LB-FTLR TORQUE 130 LB-FTFL AMPS 19/9.5PU TORQUE 117.0 LB-FTLR AMPS 80

WINDING K2154400-1

Date 3/28/2019

EC Declaration of Conformity

The undersigned representing
the manufacturer:

Regal Beloit America
100 East Randolph St.
Wausau, WI 54401

and the authorized representative
established within the Community:

Marathon Electric UK
6F Thistleton Road Ind. Estate
Market Overton
Oakham, Rutland LE15 7PP UK

are committed to providing customers with products that comply with applicable regulations and international protocols to which they are subject, including the requirements of the European Parliament Directive on the Harmonization of the laws relating to electrical equipment designed for use within certain voltage limits (2014/35/EU).

Regal Beloit America declares that the following product(s), to which this declaration relates, are in conformity with the relevant sections of the EC standards listed below.

This statement supersedes any statements previously issued pertaining to the product(s) listed below and is subject to change without notice.

Model No : LM28200

(Model No. may contain prefix and/or suffix characters)

Catalog No : LM28200

Rework No : N/A

Directives :

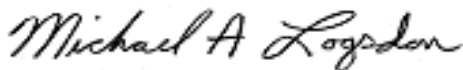
Low Voltage Directive 2014/35/EU

Harmonized Standards Used :

EN 60034-1: 2010 (IEC 60034-1: 2010)

EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:



Michael A. Logsdon
Vice President, Technology

Authorized Representative in the Community:



Julian Clark
Marketing Engineer

Created on 09/01/2022

CE 22