

PRODUCT INFORMATION PACKET

Model No: LM28224

Catalog No: LM28224

Elevator Duty Motor, 40 HP, 3 Ph, 60 Hz, 200 V, 1200 RPM, 364TC Frame, DP



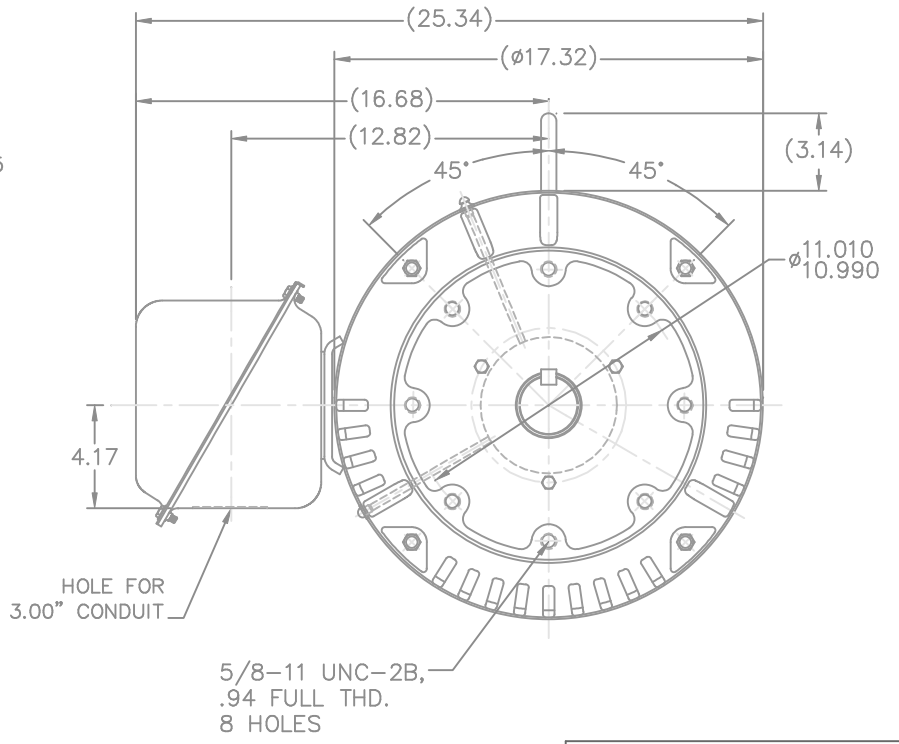
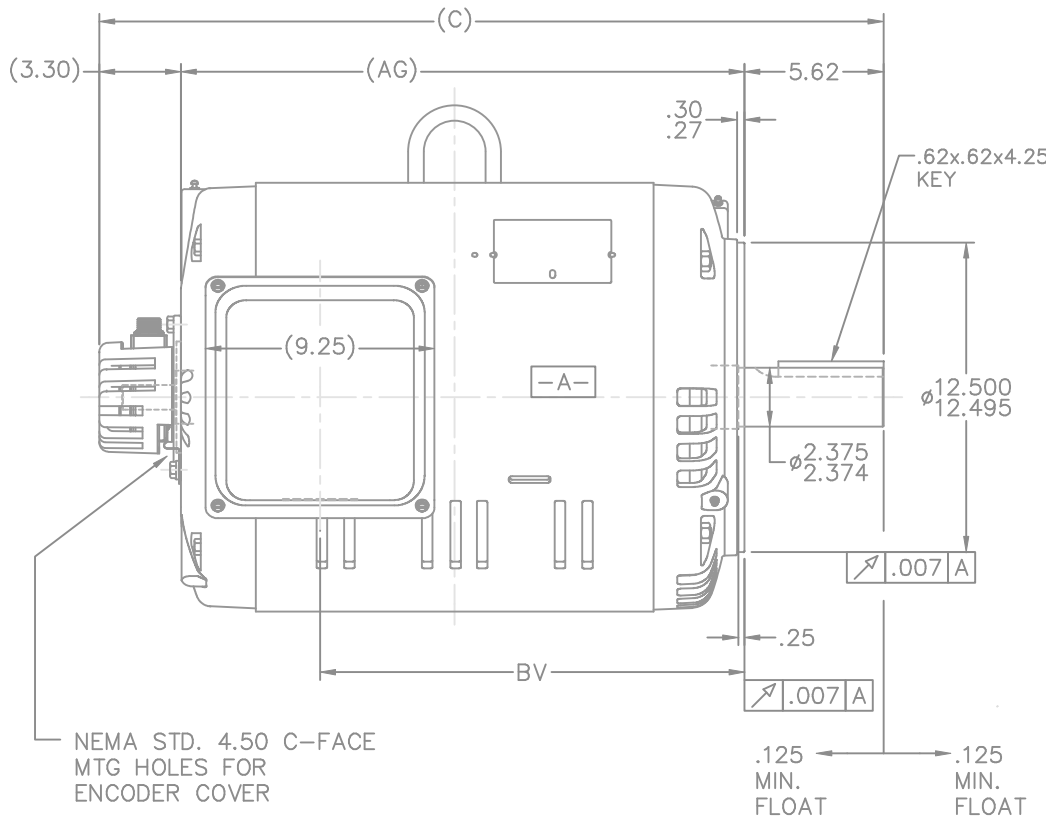
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Nameplate Specifications

Output HP	40 Hp	Output KW	30.0 kW
Frequency	60 Hz	Voltage	200 V
Current	113.0 A	Speed	1187 rpm
Service Factor	1	Phase	3
Efficiency	93 %	Power Factor	82
Duty	Elevator	Insulation Class	F
Design Code	INV	KVA Code	J
Frame	364TC	Enclosure	Drip Proof
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	313	Opp Drive End Bearing Size	311
UL	Recognized	CSA	Y
CE	Y	IP Code	22
Number of Speeds	1		

Technical Specifications

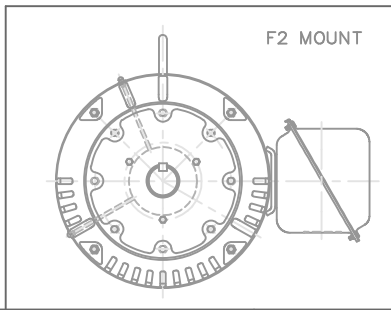
Electrical Type	Squirrel Cage Inverter Duty	Starting Method	Wye Start Delta Run Or Inverter
Poles	6	Rotation	Reversible
Resistance Main	.121 Ohms	Mounting	Round
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	31.56 in
Frame Length	15.48 in	Shaft Diameter	2.375 in
Shaft Extension	5.62 in	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	CONSTANT 1000:1		
Connection Drawing	A-EE7304D-LN	Outline Drawing	XH3D1EC1B-1548



NEMA STD. 4.50 C-FACE
MTG HOLES FOR
ENCODER COVER

*VVVF ELEVATOR HOIST MOTOR WITH
SHAFT ENDPLAY*

NOTES:
1.CONDUIT BOX CAN BE ROTATED IN 90° STEPS
2.NAMEPLATES TO BE READ FROM CONDUIT BOX
SIDE OF MOTOR.



DASH	FRAME	C	AG	BV				
1548	364T	31.56	22.77	17.15				
1648	365T	32.56	23.77	18.15				

NO.		REVISION	BY & DATE	CHK	ANG	±7°30"	FINISH	PREV
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				DIST	BY			

TOLERANCES UNLESS SPECIFIED		Lincoln MOTORS	DRAWN CDC 11-23-2004
DEC.	INCHES		
.X	±.1		CHK ML 11-24-2004
.XX	±.03	TITLE OUTLINE (ROUND) VVVF ELEVATOR HOIST MOTOR, 360TC FR. - ODP UE - SPL ENDPLAY	APPD CDC 11-24-2004
.XXX	±.005		SCALE 1=5
.XXXX	±.0005	MAT'L	REF
			FMF
			PREV

SIZE	DRAWING NO.	PAGE	OF	REV.
B	XH3D1EC1B			



CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: A-EE7304D-LN

OUTLINE: XH3D1EC1B-1548

CATALOG # : LM28224

WINDING #: L3646016 2

MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
40	30.0	1200	1187	364TC	DP	J	INV

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	200	113	Y START D RUN OR INV	ELEVATOR	F4	1.0	40

FULL LOAD EFF:	93	3/4 LOAD EFF:	93	1/2 LOAD EFF:	91.7	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	82	3/4 LOAD PF:	77	1/2 LOAD PF:	67	91.7		SQ CAGE INV DUTY	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
177 LB-FT	920	380 LB-FT 215 %	605 LB-FT 342 %	100

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
69 dBA	79 dBA	14 LB-FT^2	- LB-FT^2	- SEC.	-	- LBS.

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

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

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	ROLLED STEEL
313	311						

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



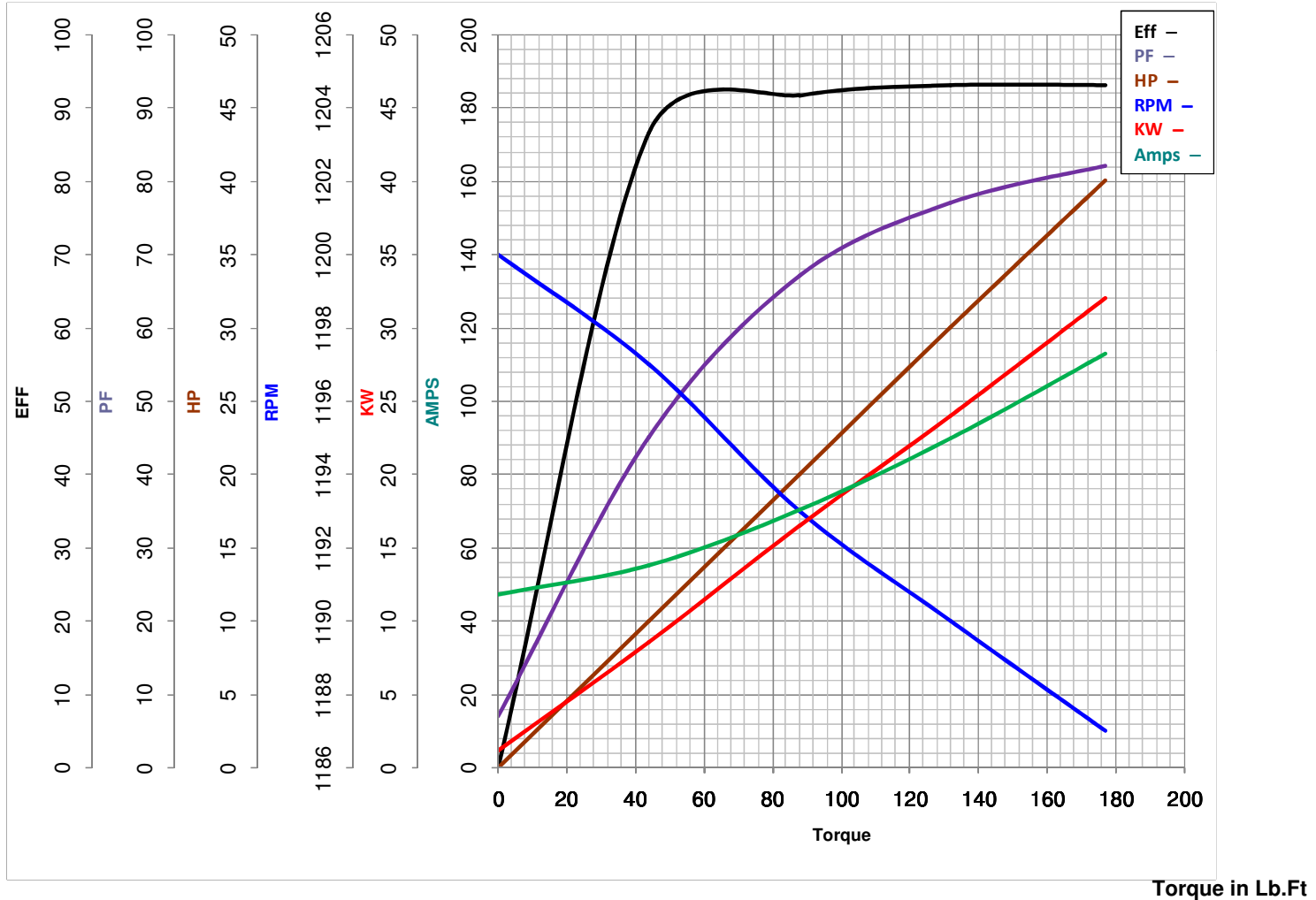
LEESON ELECTRIC CORPORATION
TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No LM28224

Curve at 200 Volts HP 40.00 PHASE 3
60 HZ
40 HP VOLTS 200

Catalog No LM28224BB

HZ 60 RPM 1187



FL TORQUE 177 Lb.Ft
BD TORQUE 605.0 Lb.Ft
LR TORQUE 380 Lb.Ft

FL AMPS 113
PU TORQUE 361.0 Lb.Ft
LR AMPS 920

WINDING L3646016-2

Date 5/25/2018