

PRODUCT INFORMATION PACKET

Model No: LM28162

Catalog No: LM28162

Elevator Duty Motor, 60 HP, 3 Ph, 60 Hz, 200 V, 1200 RPM, 404T Frame, DP



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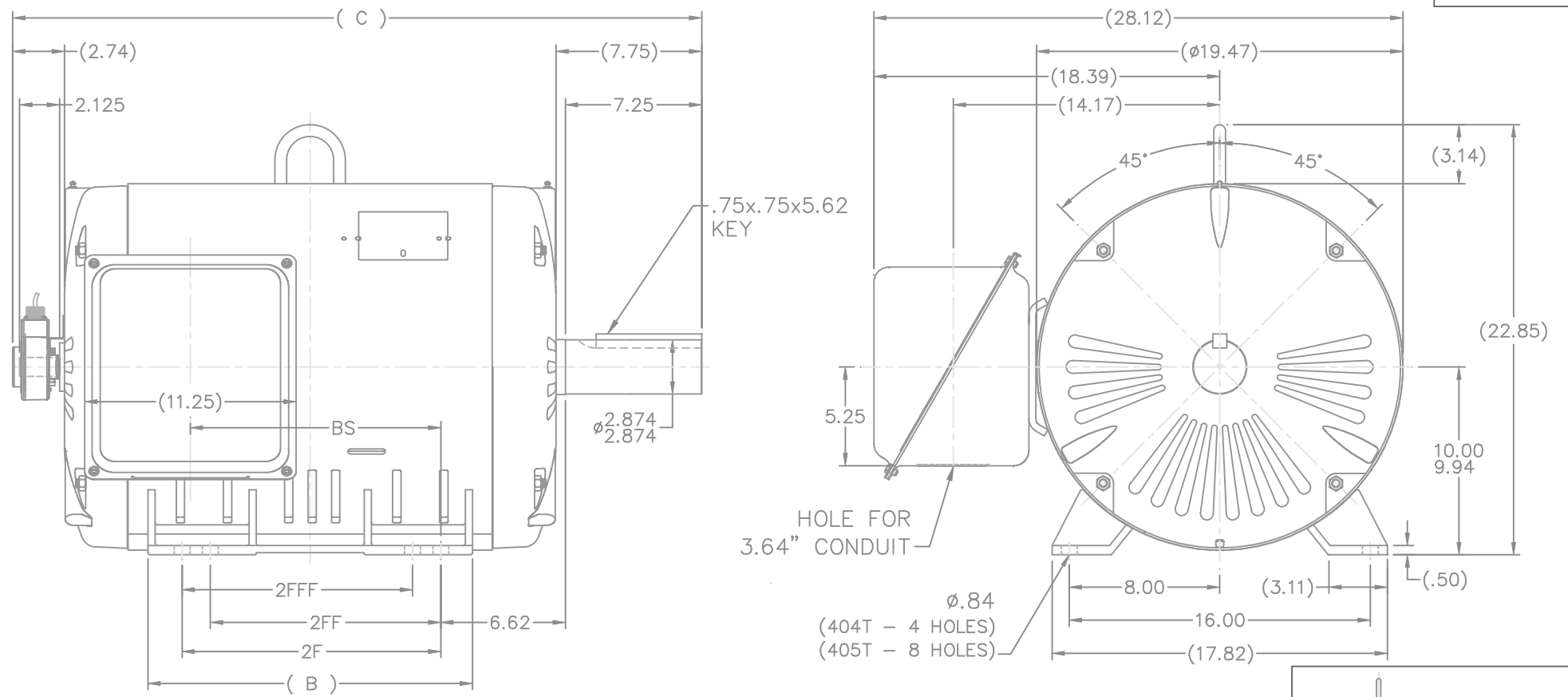
Nameplate Specifications

Output HP	60 Hp	Output KW	45.0 kW
Frequency	60 Hz	Voltage	200 V
Current	192.0 A	Speed	1188 rpm
Service Factor	1	Phase	3
Efficiency	93.6 %	Power Factor	72
Duty	Elevator	Insulation Class	F
Design Code	INV	KVA Code	J
Frame	404T	Enclosure	Drip Proof
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	315	Opp Drive End Bearing Size	313
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	.095 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	35.13 in
Frame Length	17.35 in	Shaft Diameter	2.875 in
Shaft Extension	7.25 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	XJ2D1SS33B-1735	Connection Drawing	A-EE7340D-LN

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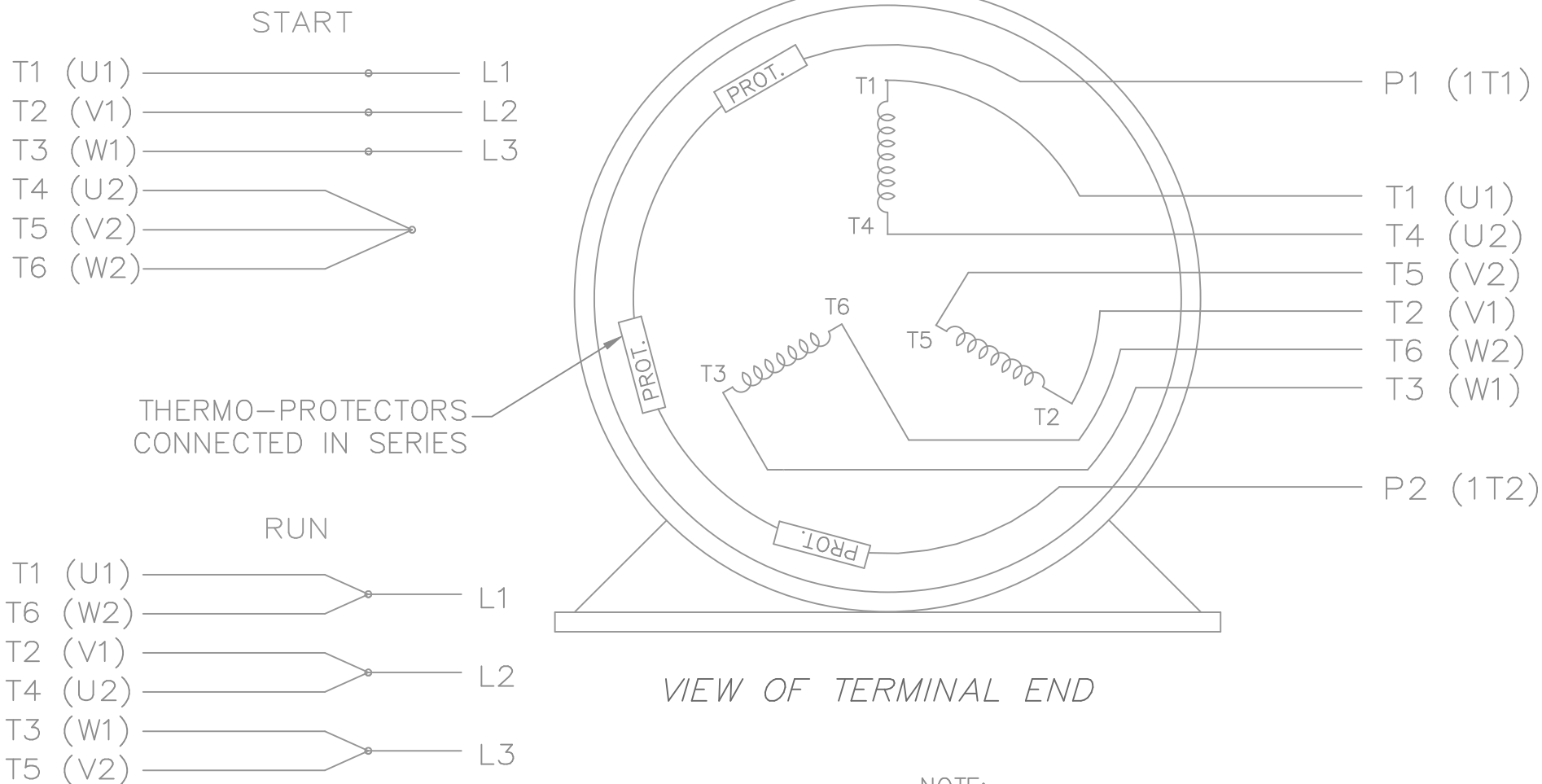


NOTES:
 1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS.
 2. NAMEPLATES TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

DASH	FRAME	C	B	BS	2F	2FF	2FFF
1735	404T	35.13	15.75	12.14	12.25		
1885	405T	36.63	17.25	13.64	13.75	10.75	10.75

		TOLERANCES UNLESS SPECIFIED		Lincoln MOTORS		DRAWN CTO 02-11-2003				
		DEC.	INCHES			CHK	ML 02-12-2003			
		.X	±.1			APPD	HNH 02-12-2003			
		.XX	±.03	TITLE OUTLINE NEMA MOTORS		SCALE	1=5.25			
		.XXX	±.005	400T ODP VVVF ELEV. HOIST ENCODER		REF				
1	NEW DRAWING	MU44251	CTO 02-12-2003	HNH	.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 xj2d1ss33b	SIZE	DRAWING NO.	PAGE OF	REV.
				DIST	BY		B	XJ2D1SS33B	1	1


THREE PHASE
WYE START DELTA RUN



THERMO-PROTECTORS
CONNECTED IN SERIES

VIEW OF TERMINAL END

NOTE:
IEC LEAD MARKINGS ARE NOTED IN PARANTHESES

				TOLERANCES UNLESS SPECIFIED			DRAWN KL 11-10-2000			
				DEC.	INCHES		CHK DJK 11-10-2000			
				.X	±.1		APPD DJK 11-10-2000			
				.XX	±.02		SCALE 1=1			
2	ADDED IEC LEAD MARKINGS	MSG 10-08-2008	ML	.XXX	±.005	TITLE CONNECTION DIAGRAM - EXTERNAL - 3φ WYE START DELTA RUN - SINGLE VOLTAGE	REF			
1	NEW DRAWING MU34618	KL 11-10-2000	DJK	.XXXX	±.0005		MAT'L.	FMF		
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH	PREV			
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				DIST						



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

CERTIFICATION DATA SHEET

CONN. DIAGRAM: A-EE7340D-LN

CATALOG #: LM28162

OUTLINE: XJ2D1SS33B-1735

WINDING #: C4046015 2

MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
60	45.0	1200	1188	404T	DP	J	INV

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	200	192	Y START D RUN OR INV	ELEVATOR	F4	1.0	40

FULL LOAD EFF:	93.6	3/4 LOAD EFF:	93	1/2 LOAD EFF:	91	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	72	3/4 LOAD PF:	64	1/2 LOAD PF:	50.5	91.7		SQ CAGE INV DUTY	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
265 LB-FT	1265	420 LB-FT 158 %	880 LB-FT 332 %	100

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
- dBA	- dBA	0 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
STANDARD	ENCODER	RIGID	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
315	313						

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

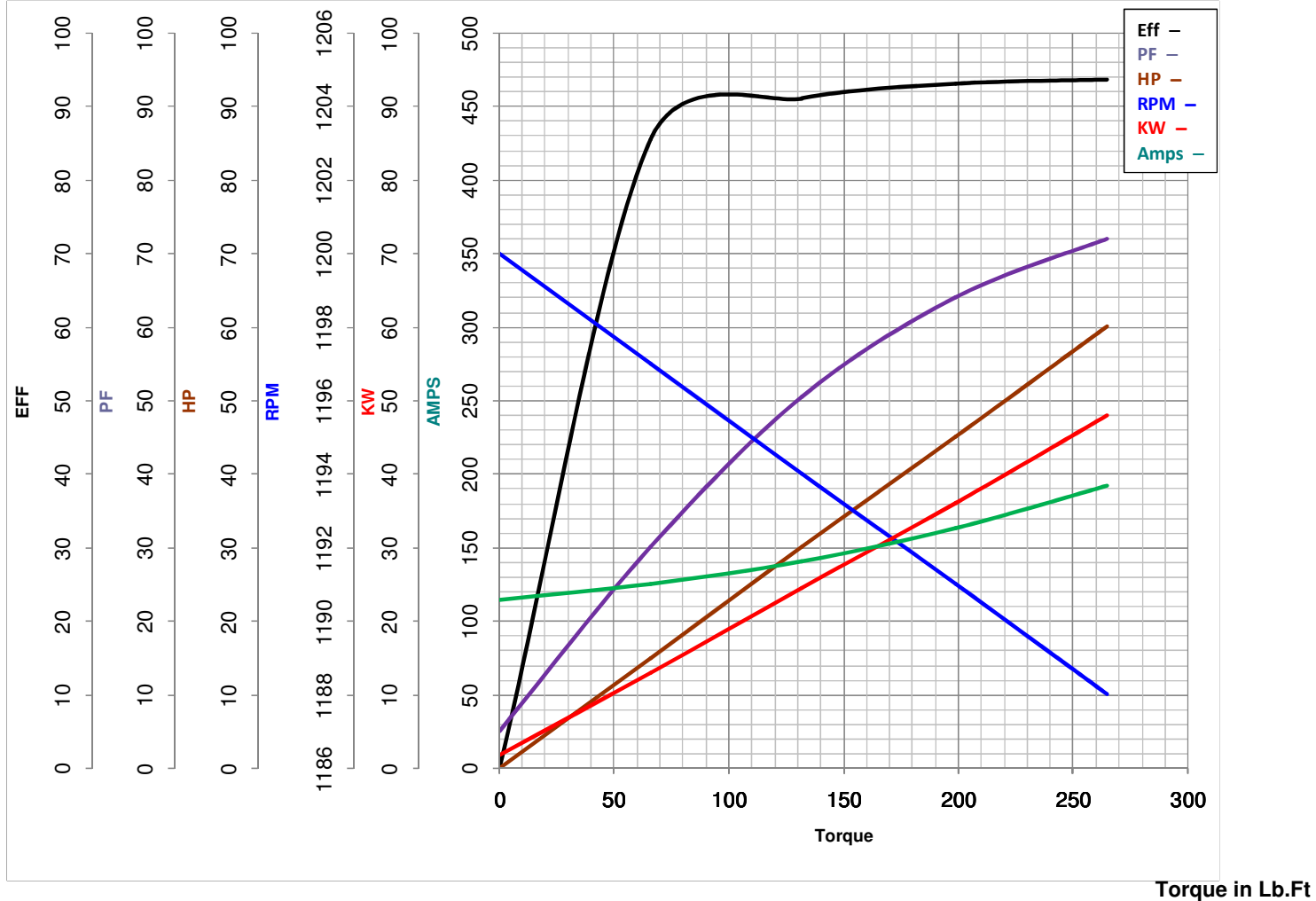


LEESON ELECTRIC CORPORATION
TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No LM28162

Catalog No LM28162BA

Curve at 200 Volts HP 60.00 PHASE 3
60 HZ
60 HP VOLTS 200
HZ 60 RPM 1188



FL TORQUE	<u>265</u>	Lb.Ft	FL AMPS	<u>192</u>	
BD TORQUE	<u>880.0</u>	Lb.Ft	PU TORQUE	<u>400.0</u>	Lb.Ft
LR TORQUE	<u>420</u>	Lb.Ft	LR AMPS	<u>1265</u>	
WINDING	C4046015-2		Date	<u>5/25/2018</u>	