PRODUCT INFORMATION PACKET

Model No: LM28213 Catalog No: LM28213

Elevator Duty Motor, 20 HP, 3 Ph, 60 Hz, 200 V, 1200 RPM, 286TC Frame, DP



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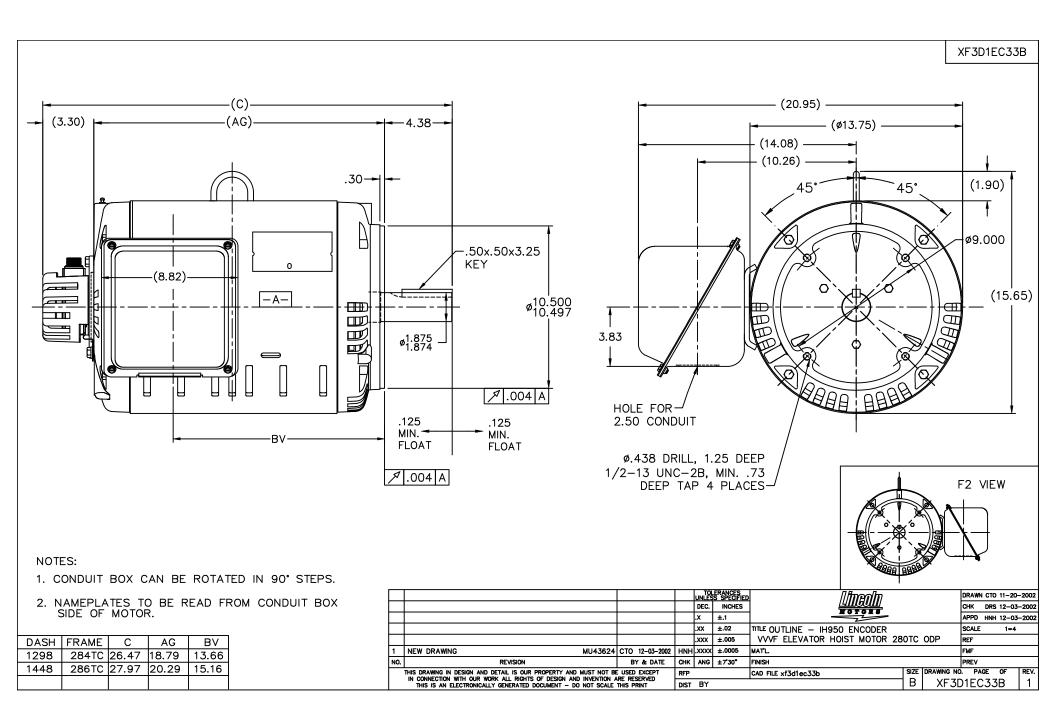
Nameplate Specifications

Output HP	20 Hp	Output KW	14.9 kW	
Frequency	60 Hz	Voltage	200 V	
Current	70.0 A	Speed	1182 rpm	
Service Factor	1	Phase	3	
Efficiency 85.5 %		Power Factor	71	
Duty Elevator		Insulation Class	F	
Design Code INV		KVA Code	L	
Frame	286TC	Enclosure	Drip Proof	
Thermal Protection	No Protection	Ambient Temperature	40 °C	
Drive End Bearing Size	310	Opp Drive End Bearing Size	209	
UL	Recognized	CSA	Υ	
CE	Υ	IP Code	22	
Number of Speeds	1			

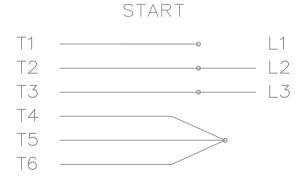
Technical Specifications

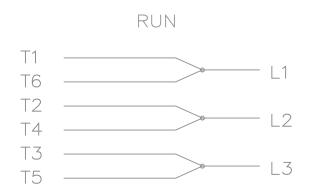
Electrical Type	Squirrel Cage Inverter Duty	Starting Method	Wye Start Delta Run Or Inverter
Poles	6	Rotation	Reversible
Resistance Main	.29 Ohms	Mounting	Round
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	т	Overall Length	27.97 in
Frame Length	14.48 in	Shaft Diameter	1.875 in
Shaft Extension	4.62 in	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	CONSTANT 1000:1		
Connection Drawing	A-EE7340AA-LN	Outline Drawing	XF3D1EC33B-1448

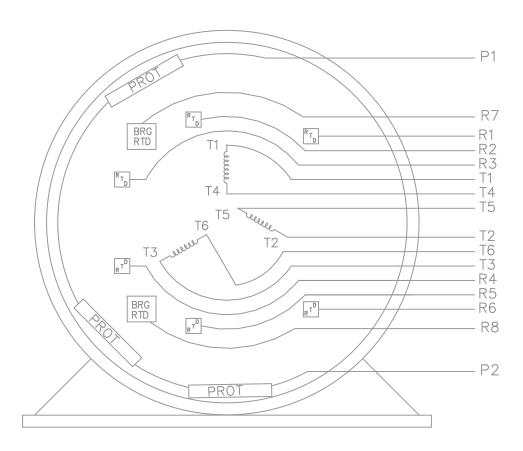
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THREE PHASE — Y START A RUN MOTOR







VIEW OF TERMINAL END

				ТО	ERAI	ICES	Π			DDAMAI	1000	0005
				UNLES	S SF	ICES ECIFIED		DRAWN LC CHK ML		DRAWN	LC 8-9-	-2005
				DEC.	IN	CHES	MOTORS			ML 8-9-	-2005	
				.x	±	-	Z			APPD	LC 8-9-	-2005
				.xx	±	_	TITLE CONNECTION DIAGRAM			SCALE	1=1	
				.xxx	±	-	THREE PHASE — SINGLE VOLTAGE			REF		
				.xxxx	±	-	MAT'L.			FMF		
NO.	REVISION	BY & DATE	СНК	CHK ANG ± - 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						CAD FILE ee7340aa_In	SIZE	DRAWING N		E OF	REV.
					DIST WA-LB				EE7.	340AA	-LN	



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

CONN. DIAGRAM: A-EE7340AA-LN

OUTLINE: XF3D1EC33B-1448

Ν

CATALOG #: LM28213

WINDING #: 6D286003 2 **MOUNTING:** F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC, RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
20	14.9	1200	1182	286TC	DP	L	INV

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	амв°С
3	60	200	70	Y START D RUN OR INV	VERIFY	F4	1.0	40

FULL LOAD EFF:	85.5	3/4 LOAD EFF:	84	1/2 LOAD EFF:	80	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	71	3/4 LOAD PF:	64	1/2 LOAD PF:	52	82.5	SQ CAGE INV DUTY

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE			B.D. TORQUE			F.L. RISE°C
88.9 LB-FT	575	300	LB-FT	337 %	325	LB-FT	366 %	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	6.5 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
ENCODER	ENCODER	ROUND	HORIZONTAL	FALSE	NONE	FALSE	NONE	GRAY - LINCOLN

BEAR	RINGS	GREASE	SHAFT TYPE	CDECTAL DE	SPECIAL ODE	SHAFT	FRAME	
DE	ODE	GREASE	SHAFT TYPE SPECIAL DE		SPECIAL ODE	MATERIAL	MATERIAL	
BALL	BALL	DOLVDEY EM	_	NONE	NONE	1045 HOT DOLLED (C 204)	DOLLED STEEL	
310	209	POLYREX EM	'	NONE	NONE	1045 HOT ROLLED (C-204)	ROLLED STEEL	

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

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

FT-LB NONE V NONE Hz

5 of 6 8/2/2018

