

PRODUCT INFORMATION PACKET



Model No: CCD2P30/40T6006YEH2
Catalog No: LM30099
30,3600,DP,284T,3/60/200 YD
Elevator Duty



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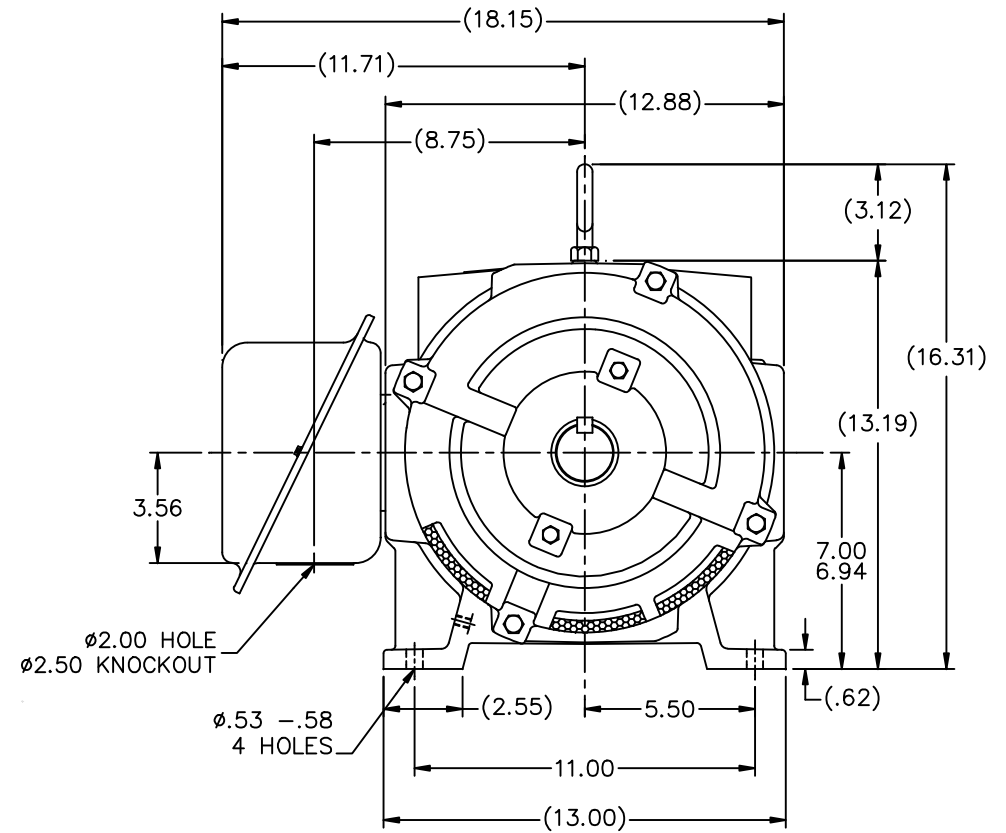
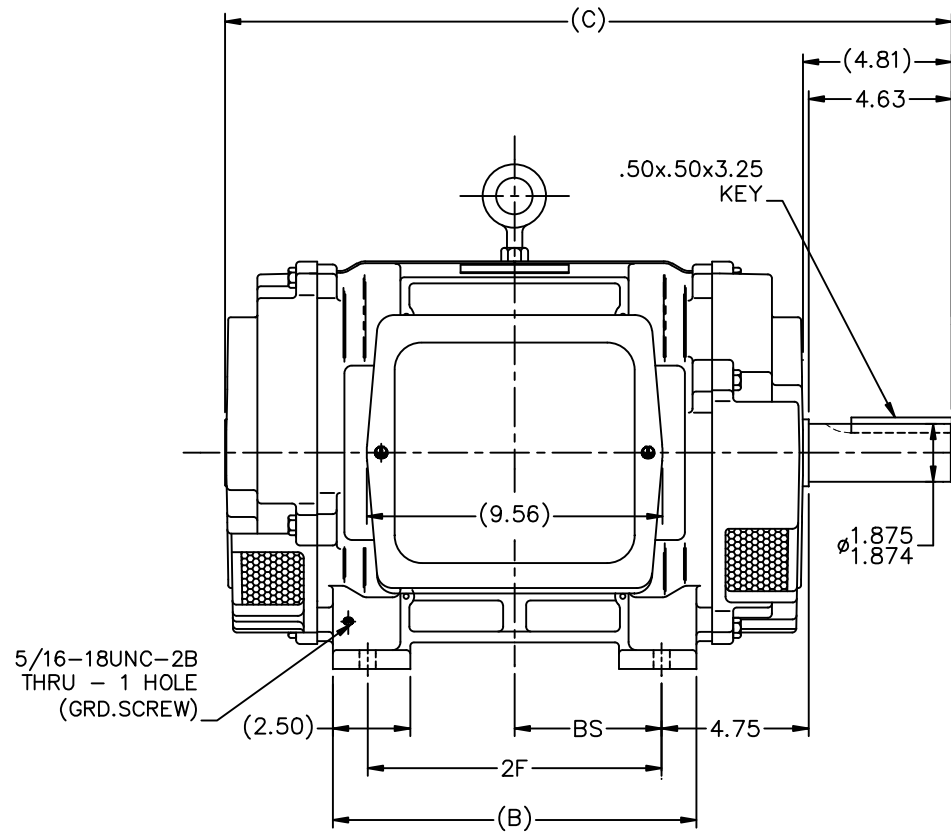


Nameplate Specifications

Output HP	30 Hp	Output KW	22.4 kW
Frequency	60 Hz	Voltage	200 V
Current	83.0 A	Speed	3530 rpm
Service Factor	1	Phase	3
Efficiency	91 %	Duty	120/80 Starts/Hour
Insulation Class	F	Design Code	B
KVA Code	C	Frame	284T
Enclosure	Drip Proof	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	311
Opp Drive End Bearing Size	210	UL	Recognized
CSA	Y	CE	Y
IP Code	12		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Wye Start Delta Run
Poles	2	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Cast Iron	Shaft Type	T
Overall Length	23.49 in	Frame Length	12.75 in
Shaft Diameter	1.875 in	Shaft Extension	4.63 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	B-SS200030LN-1275	Connection Diagram	A-EE7340-LN

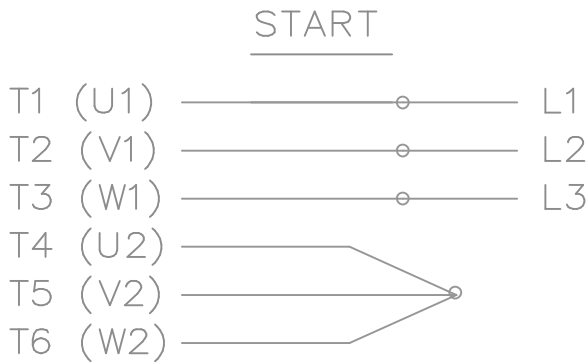


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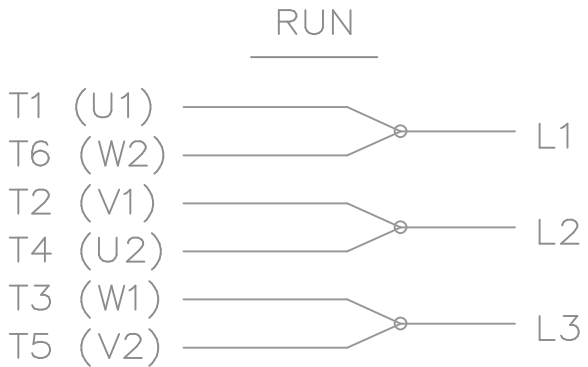
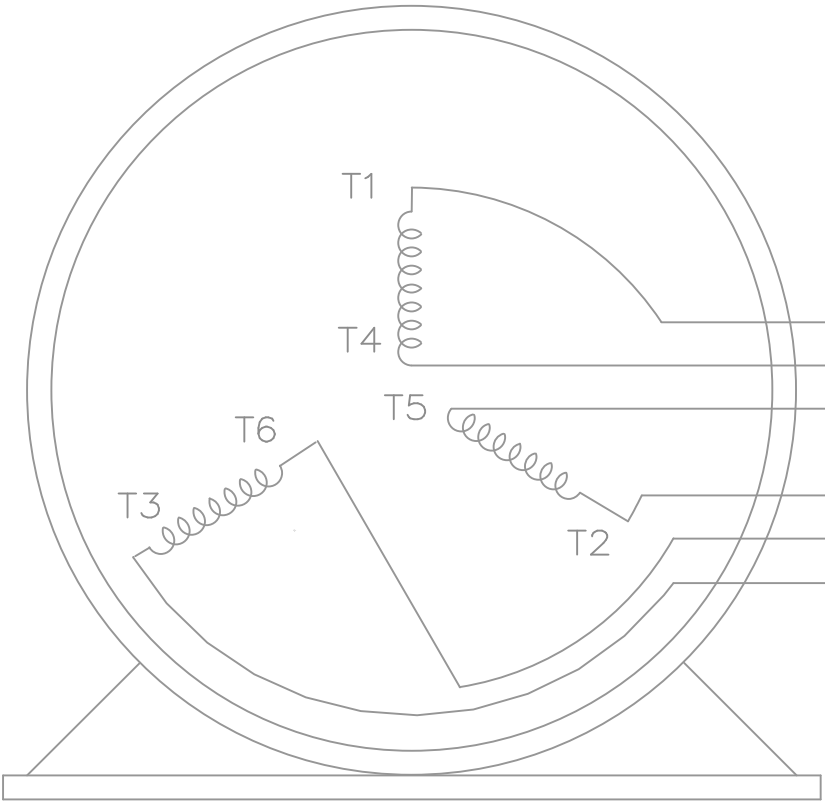
1. BOX CAN BE ROTATED IN 90° STEPS
2. BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°
3. NAMEPLATE TO BE READ FROM CONDUIT BOX SIDE OF MOTOR

DASH	FRAME	B	C	2F	BS
1275	284T	11.75	23.49	9.50	4.75
1425	286T	13.25	24.99	11.00	5.50

				TOLERANCES UNLESS SPECIFIED		Lincoln MOTOR	DRAWN CTO 12-12-2003	
				DEC.	INCHES		CHK	ML 12-12-2003
				.X	±.1	TITLE OUTLINE - DR.PR. - CAST IRON 280T FR. - BB - TS - DBL. END VENT.	APPD	BW 12-12-2003
				.XX	±.03		SCALE	1=4
2	ADDED SCREENS	MU98659	EDK 12/3/2010	BW	.XXX ±.005	MAT'L	REF	
1	REV'D C'BOX HOLE 2.00/2.50 WAS JUST 2.00	MU 50269	ERH 07-14-2004	ML	.XXXX ±.0005		FMF	MU49135
NO. REVISION				BY & DATE		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	12-12-2003		SIZE	DRAWING NO. PAGE OF REV.
				DIST	LB	CAD FILE ss200030ln	B	SS200030LN 2



THREE PHASE — Y START
 Δ RUN MOTOR



T1 (U1)
 T4 (U2)
 T5 (V2)
 T2 (V1)
 T6 (W2)
 T3 (W1)

T6CK
 T6BM
 T4CC
 T2DL
 T4C

NOTE:
 IEC LEAD MARKINGS ARE NOTED
 IN PARENTHESES

VIEW OF TERMINAL END

				TOLERANCES UNLESS SPECIFIED			DRAWN BLR 10-04-1999				
				DEC.	INCHES		CHK DRS 10-04-1999				
				.X	±.1		APPD TB 10-04-1999				
3	REVISED TO MATCH M.E. ORIGINAL	TAT 07-25-2005	ML	.XX	±.02	TITLE CONNECTION DIAGRAM 3Ø — WYE START DELTA RUN			SCALE 1=1		
2	REVISED DRAWING MISTAKE CN 29200-2980	ERH 05-15-2003	ML	.XXX	±.005				REF		
1	NEW DRAWING	BLR 10-09-1999		.XXXX	±.0005	MAT'L.			FMF		
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH			PREV		
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			DIST WA-LB-SB					A	EE7340-LN	3	

2/1/2018

LM30099



Data @ 200 V

	0%	25%	50%	75%	100%	115%	125%	LR
Load								
Current (Amps)	24.2	32.2	46.0	62.1	82.8	92.0	104	460
Torque (ft-lb)	0.00	11.0	22.0	33.5	44.5	50.0	56.0	67.0
RPM	3600	3585	3570	3550	3530	3520	3505	0
Efficiency (%)		90.0	91.7	91.7	91.0	91.0	90.0	
F.F. (%)	11.0	56.0	76.5	84.0	85.5	85.5	86.5	38.0

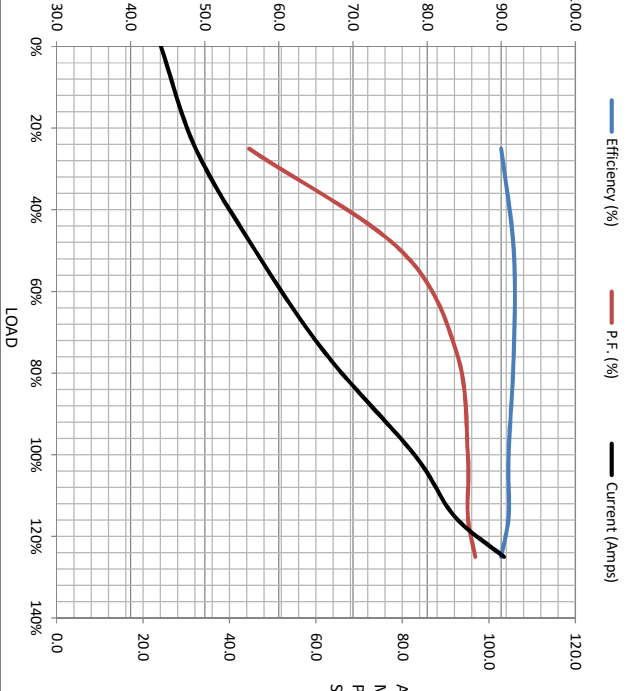
Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle	Information Block	
Speed (RPM)	0	1930	3200	3530	3600		
Current (Amps)	460	419	290	82.8	24.2		
Torque (ft-lb)	67.0	72.0	110	44.5	0.00		
						HP	30.0
						Sync: RPM	3600

Information Block

The graph displays three performance metrics against Load (0% to 140%). The y-axis represents Efficiency (%), P.F. (%), and Current (Amps) from 0.0 to 100.0. The blue curve represents Efficiency, the red curve represents P.F., and the black curve represents Current. Efficiency and P.F. both peak around 100% load, while Current increases linearly with load.

Load (%)	Efficiency (%)	P.F. (%)	Current (Amps)
0	90.0	45.0	20.0
20	90.5	55.0	25.0
40	91.0	65.0	30.0
60	91.5	75.0	35.0
80	92.0	85.0	40.0
100	92.5	90.0	45.0
120	92.0	85.0	50.0
140	91.0	75.0	55.0



Speed -Torque Curve

