

PRODUCT INFORMATION PACKET



Model No: SD4B100TSC61Y

Catalog No: LM32788

..100HP..1800RPM.404TSC.ODP.230/460V.3PH.60HZ.CONT.40C.1.15SF.RIGID-C.....

Open Drip Proof (ODP)



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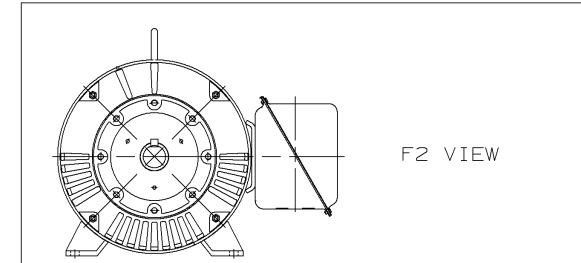
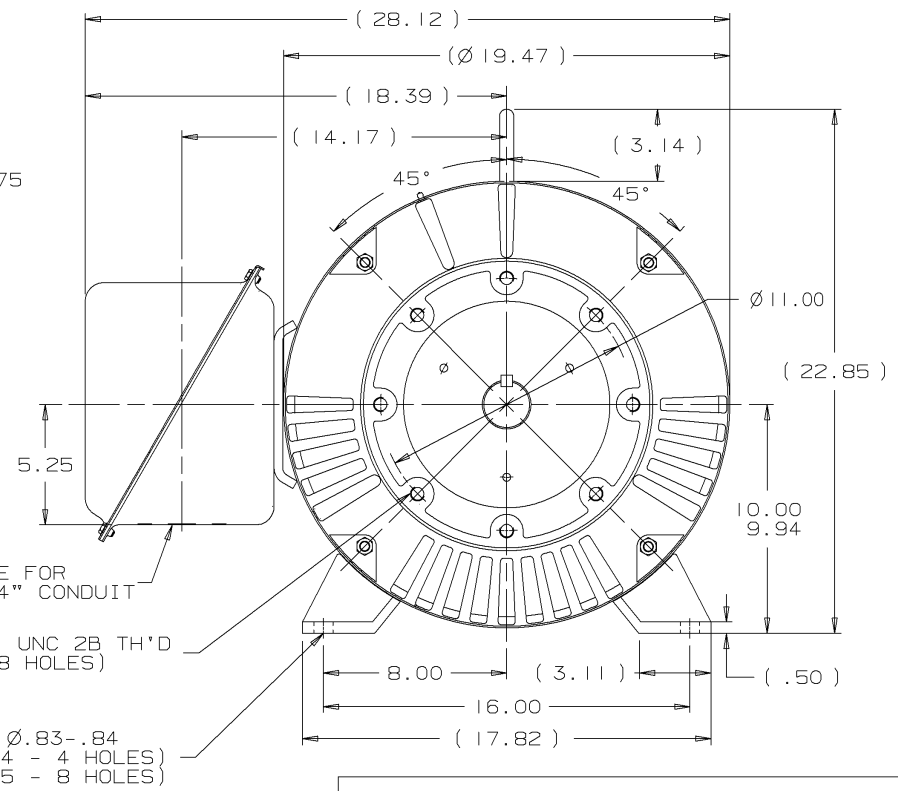
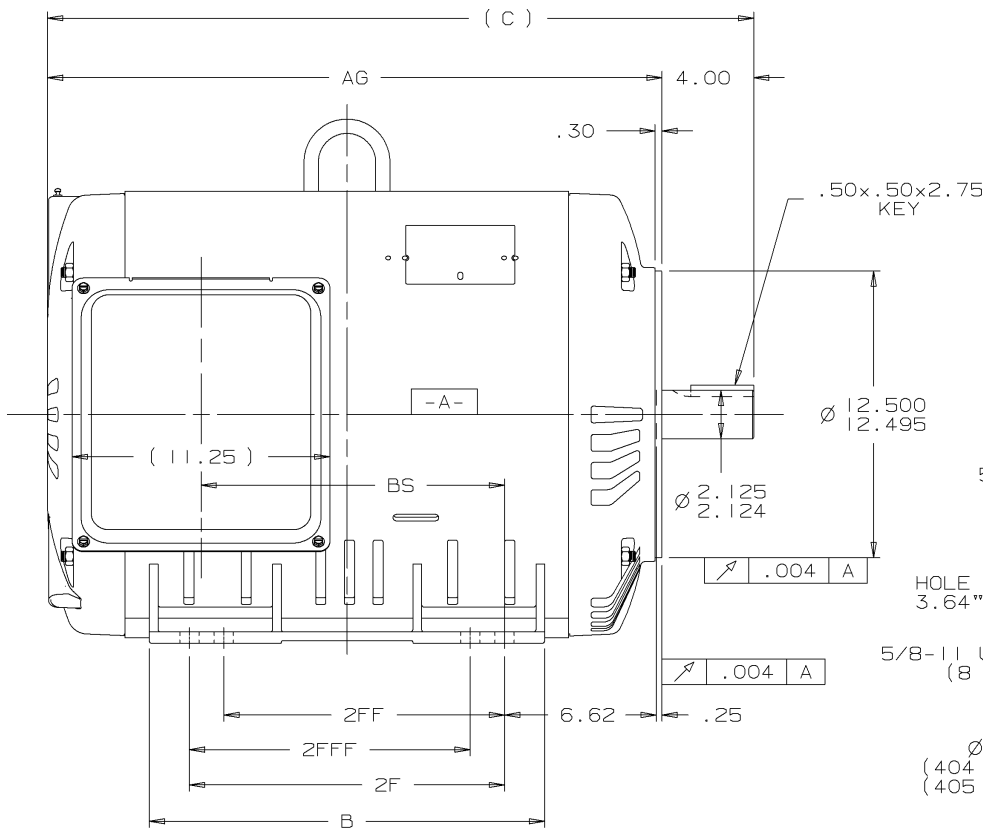


Nameplate Specifications

Output HP	100 Hp	Output KW	75.0 kW
Frequency	60 Hz	Voltage	230/460 V
Current	260.0/130.0 A	Speed	1784 rpm
Service Factor	1.25	Phase	3
Efficiency	95.4 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	F	Frame	404TSC
Enclosure	Drip Proof	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	315
Opp Drive End Bearing Size	313	UL	Recognized
CSA	Y	CE	Y
IP Code	22		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Wye Start Delta Run
Poles	4	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Rolled Steel	Shaft Type	TS
Overall Length	29.16 in	Frame Length	17.35 in
Shaft Diameter	2.125 in	Shaft Extension	4.25 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	XJ2D1SC2-1735	Connection Diagram	A-EE7308AA-LN



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	BS	B	2F	2FF	2FFF
1735	404TS	29.16	25.16	11.75	15.75	12.25		
1885	405TS	30.66	26.66	13.25	17.25	13.75	12.25	12.25

REV	DATE	CHANGE	NAME
1	09-13-2001	NEW DRAWING	HLB

Lincoln MOTORS

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
 TOL. ON XX±.02 XXX±.005 XXXX±.0005 ANGLES± 7'30"

MAX. SURFACE ROUGHNESS UNLESS OTHERWISE NOTED

FINISH

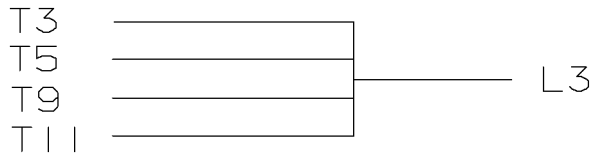
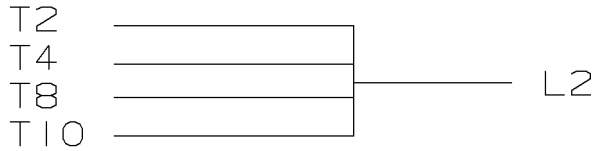
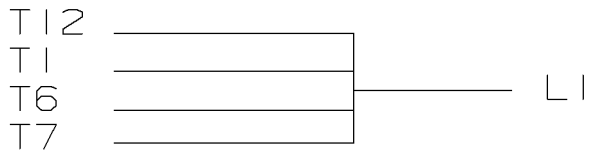
MATERIAL

DRAWN BY HLB 09-12-2001
 CHKD BY ML 09-13-2001
 APPD BY HNH 09-13-2001

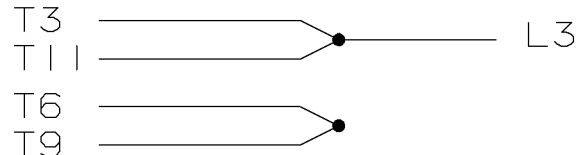
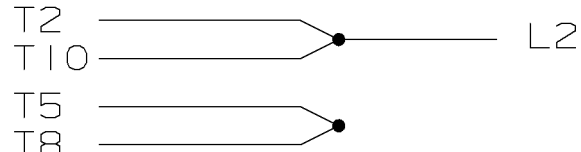
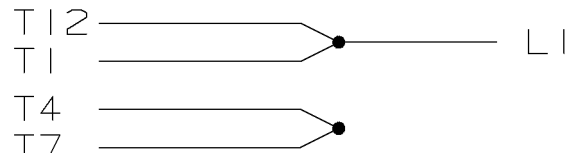
PART NAME OUTLINE NEMA MOTORS
 400TS ODP UE DE C-FACE

DRWG NO XJ2DISC2

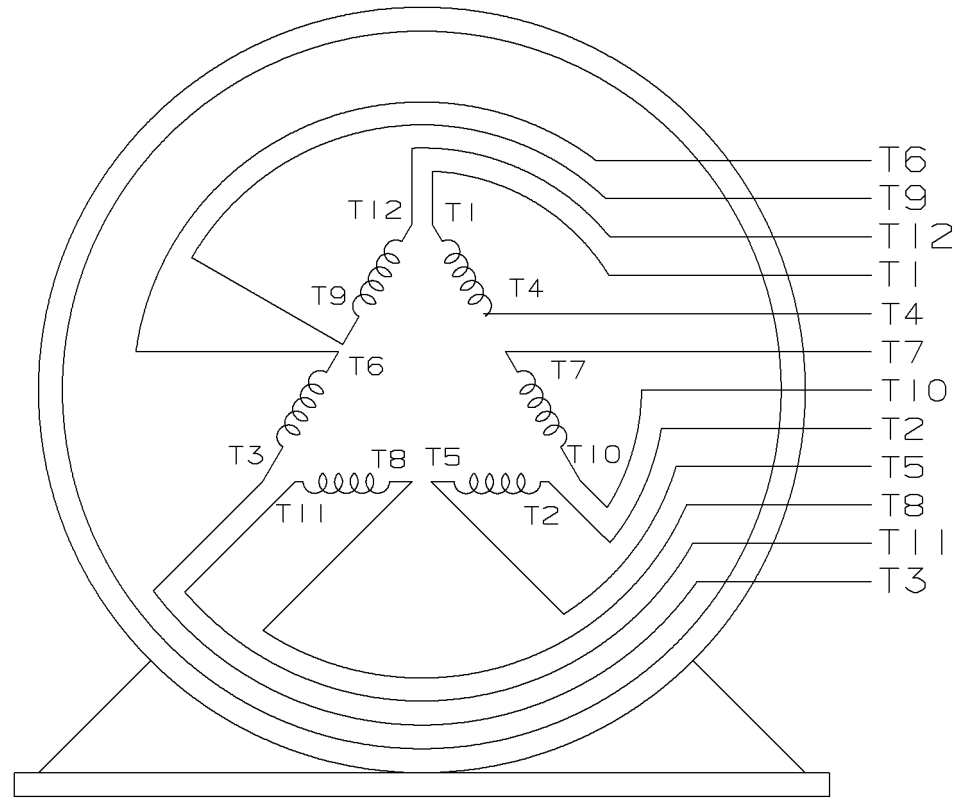
DISTRIBUTION WA - VB - WP - BY | CADD FILE NO. XJ2DISC2



LOW VOLTAGE



HIGH VOLTAGE



VIEW OF TERMINAL END

					UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOL. ON XX±.02 XXX±.005 XXXX±.0005 ANGLES± 7'30"			
2	08-09-1999	RE-ISSUE, ADDED '-' TO PART NUMBER	BLR		MAX. SURFACE ROUGHNESS UNLESS OTHERWISE NOTED		DRAWN BY TRB 07-16-1999	
1	06-18-1999	NEW DRAWING	TRB	FINISH		CHKD BY ML 06-18-1999		
				MATERIAL		APPD BY GK 06-18-1999		
REV	DATE	CHANGE	NAME	PART NAME 3 PHASE CONNECTION DIAGRAM 2/1 DELTA - 12 LEADS			DRWG NO A- EE7308AA-LN	

PURCHASED

CADD FILE NO.

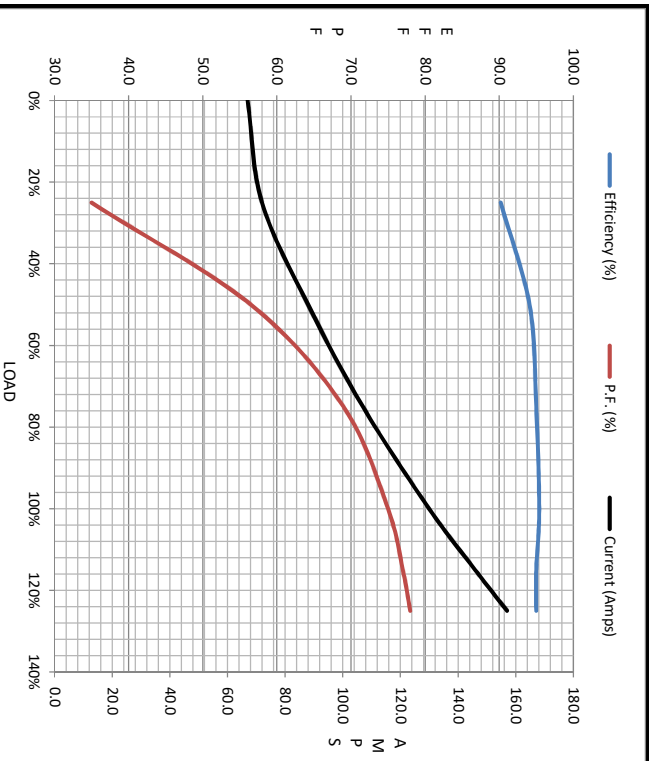
EE7308AALN

ERROR: undefined
OFFENDING COMMAND: Pscrip
STACK :



Motor Load Data						
Load	0%	25%	50%	75%	100%	LR
Current (Amps)	67.0	72.0	88.0	107	130	725
Torque (ft-lb)	0.00	73.0	147	220	294	578
RPM	1800	1796	1792	1788	1784	0
Efficiency (%)		90.2	94.1	95.0	95.4	
P.F. (%)	3.5	35.0	56.5	69.0	75.0	30.0

Motor Speed Data						Information Block																				
Speed (RPM)	LR	Pull-Up	BD	Rated	Idle	HP	Sync. RPM	Frame	Enclosure	Construction	Voltage	Frequency	Design	LR Code letter	Service Factor	Temp Rise @ FL	Duty	Ambient	Elevation	Rotor/Shaft wk ²	Ref Wdg	Sound Pressure @ 1M	VFD Rating	Outline Dwg	Conn. Diag	Additional Specifications:
0	900	1700	1734	1800	1800	1000.0	1800	404	DP	TDR	230/460#190/380	60	B	G	1.15	45	CONT	40	1,000	20.0	NONE	999	NONE	XJ2D1SC2-1735	A-E-E7308AA-LN	
Current (Amps)	725	600	397	130	67.0																					
Torque (ft-lb)	578	450	718	294	0.00																					



EQUIV CKT (OHMS / PHASE)			
R1	R2	X1	X2
0.0310	0.0200	0.2500	0.2470
			Xm
			3.9480

