

# PRODUCT INFORMATION PACKET



Model No: SD2B30TSC61Y  
Catalog No: LM17382  
284TSODP 30HP3600 230460000/360  
Open Drip Proof (ODP)



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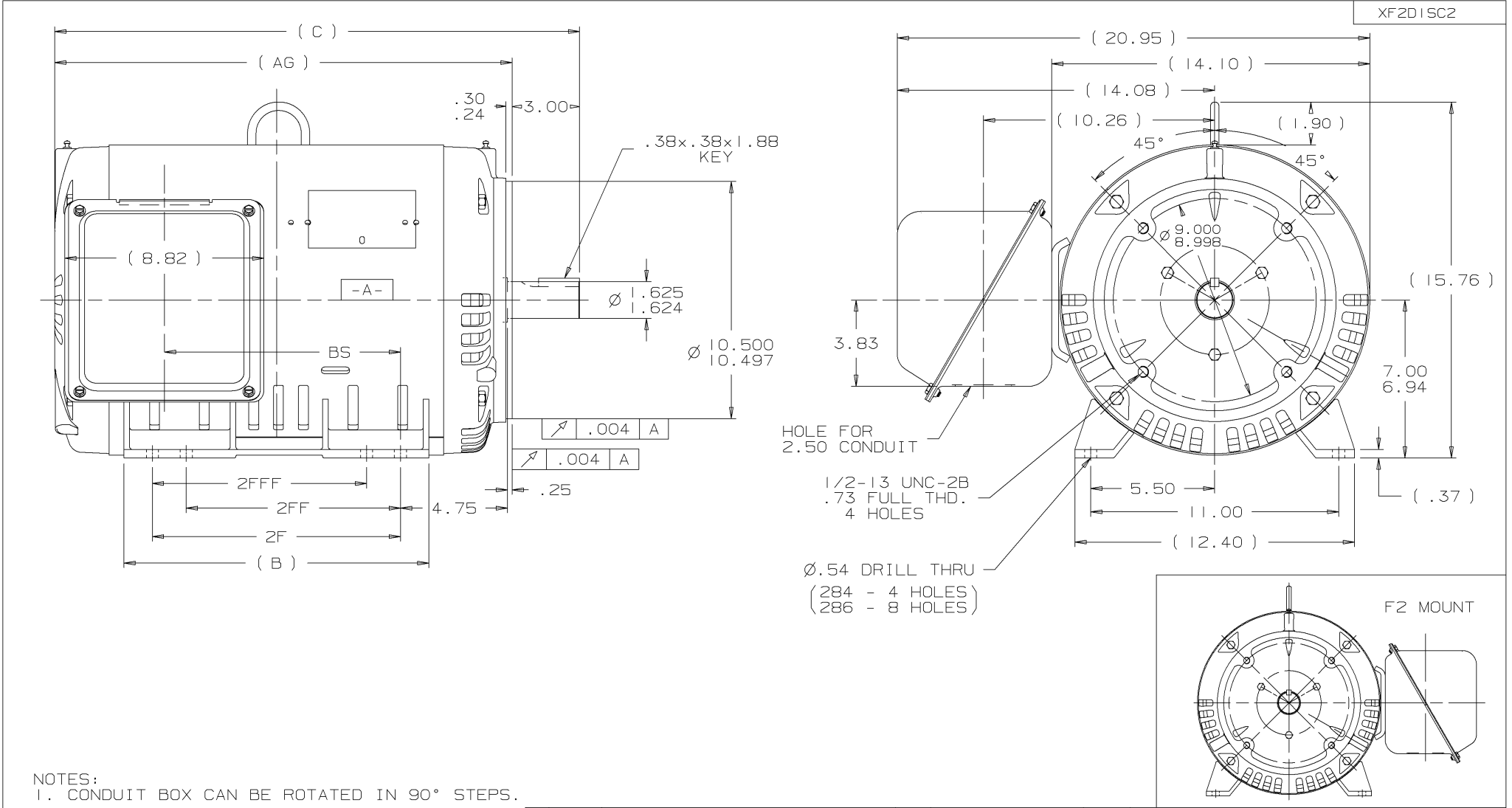


### Nameplate Specifications

Output HP	<b>30 Hp</b>	Output KW	<b>22.4 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>230/460 V</b>
Current	<b>67/33.5 A</b>	Speed	<b>3535 rpm</b>
Service Factor	<b>1.25</b>	Phase	<b>3</b>
Efficiency	<b>93 %</b>	Duty	<b>CONTINUOUS</b>
Insulation Class	<b>F</b>	Design Code	<b>B</b>
KVA Code	<b>G</b>	Frame	<b>284TSC</b>
Enclosure	<b>DP</b>	Overload Protector	<b>NOT</b>
Ambient Temperature	<b>40 °C</b>	Drive End Bearing Size	<b>310</b>
Opp Drive End Bearing Size	<b>209</b>	UL	<b>Recognized</b>
CSA	<b>Y</b>	CE	<b>Y</b>
IP Code	<b>12</b>		

### Technical Specifications

Electrical Type	<b>SQ CAGE IND RUN</b>	Starting Method	<b>WYE START DELTA RUN</b>
Poles	<b>2</b>	Rotation	<b>REV</b>
Mounting	<b>RIGID</b>	Motor Orientation	<b>HORIZONTAL</b>
Drive End Bearing	<b>BALL</b>	Opp Drive End Bearing	<b>BALL</b>
Frame Material	<b>ROLLED STEEL</b>	Shaft Type	<b>TS</b>
Overall Length	<b>21.78 in</b>	Frame Length	<b>12.98 in</b>
Shaft Diameter	<b>1.63 in</b>	Shaft Extension	<b>3.25 in</b>
Assembly/Box Mounting	<b>F1/F2 CAPABLE</b>		
Outline Drawing	<b>XF2D1SC2-1298</b>	Connection Diagram	<b>A-EE7308AA-LN</b>



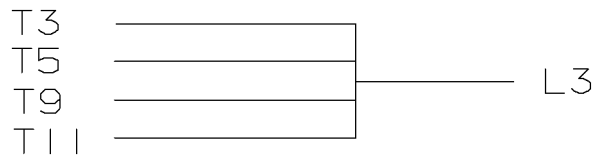
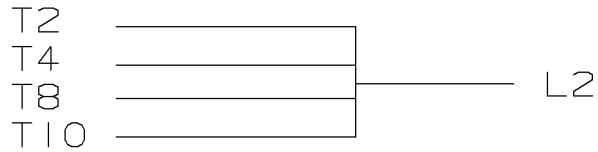
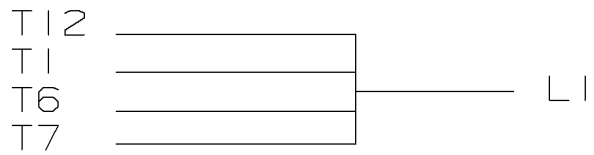
- NOTES:  
 1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS.  
 2. NAMEPLATES TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

DASH	FRAME	C	AG	B	2F	2FF	2FFF	BS	REV	DATE	CHANGE	NAME	PART NAME	OUTLINE	NEMA MOTORS	DRWG NO
1298	284TS	21.78	18.78	12.02	9.50			8.47	1	09-07-2001	NEW DRAWING REPLACES 3XSD131FSCF-2 MU38574	TJB	280TSC	ODP UE1		XF2DISC2
1448	286TS	23.28	20.28	13.52	11.00	9.50	9.50	10.47								

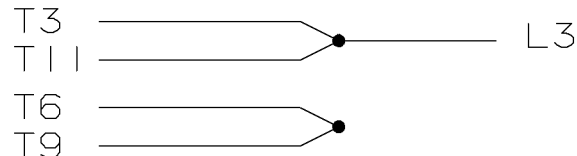
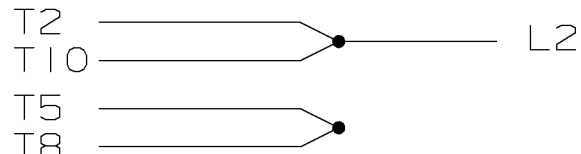
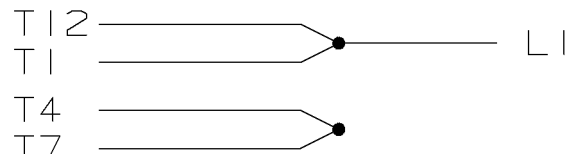


UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES  
 TOL. ON XX±.03 XXX±.005 XXXX±.0005 ANGLES± 7'30"  
 MAX. SURFACE ROUGHNESS UNLESS OTHERWISE NOTED  
 FINISH  
 MATERIAL ROLLED STEEL  
 DRAWN BY TJB 09-05-2001  
 CHKD BY ML 09-06-2001  
 APPD BY TB 09-07-2001

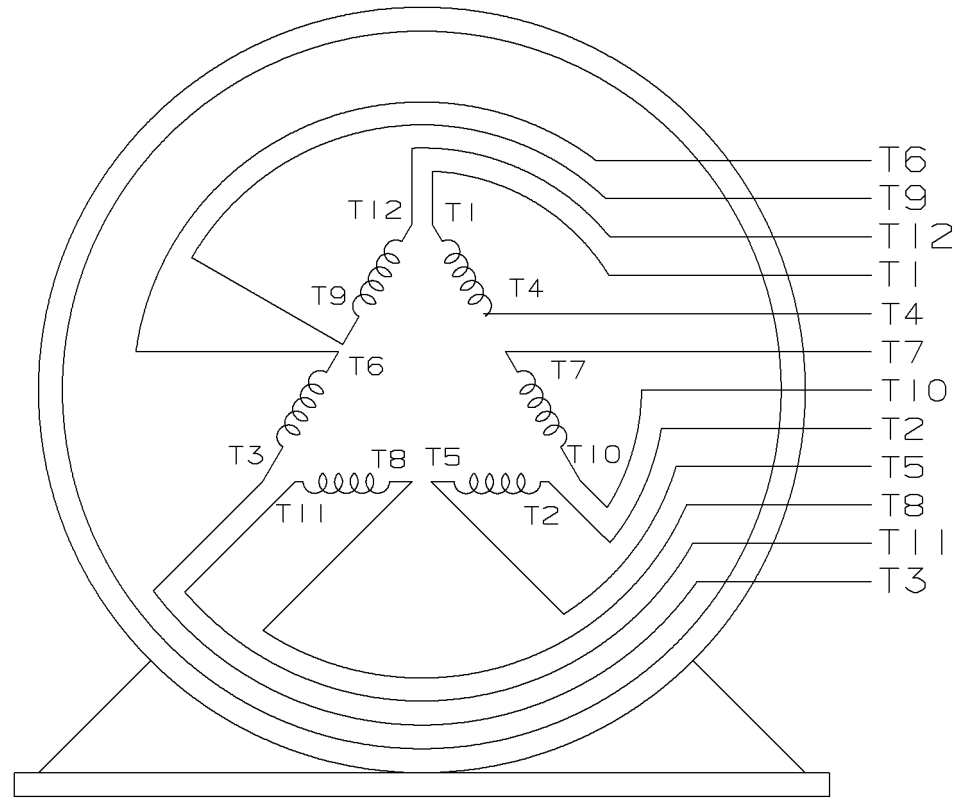
PURCHASED | DISTRIBUTION ~~W~~ - ~~D~~ - ~~W~~ - ~~X~~ - BY | CADD FILE NO. XF2DISC2



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 :



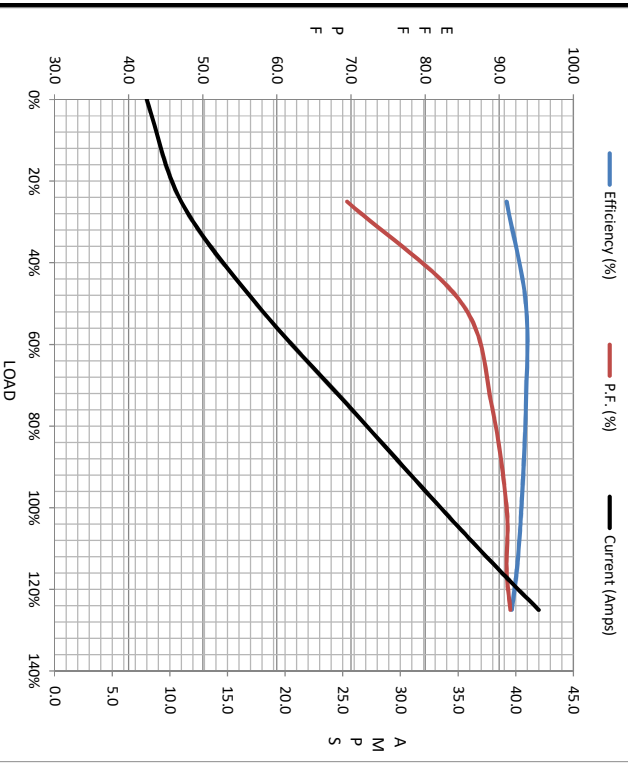
		Motor Load Data					LR	
Load		0%	25%	50%	75%	100%	115%	125%
Current (Amps)		8.0	11.0	17.5	25.5	33.5	38.5	42.0
Torque (ft-lb)		0.00	11.0	22.0	33.5	44.5	51.5	56.0
RPM		3600	3585	3570	3555	3535	3525	3515
Efficiency (%)			91.0	93.6	93.0	93.0	92.4	91.7
P.F. (%)			69.5	85.0	89.0	91.0	91.5	91.5

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	3200	3535	3600
Current (Amps)	217	195	140	33.5	8.0
Torque (ft-lb)	90.0	75.0	120	44.5	0.00

Information Block

HP	30.0			
Sync. RPM	3600			
Frame	284			
Enclosure	DP			
Construction	TDR			
Voltage	230/460/380-415 V			
Frequency	60 Hz			
Design	A			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	45 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk <sup>2</sup>	0.00 Lb-Ft <sup>2</sup>			
Ref Wdg	L2842003 NONE			
Sound Pressure @ 1M	80 dBA			
VFD Rating	NONE			
Outline Dwg	XF2D1SC2-1296			
Conn. Diag	A-E-E7308AA-LN			
Additional Specifications:				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.1510	0.1420	0.9070	0.5760	31.2800



Speed - Torque Curve

