

# PRODUCT INFORMATION PACKET



Model No: SSD4P20/25T61YEH2

Catalog No: LM28880

25HP..1800RPM.256T.ODP.230/460V.3PH.60HZ.ELEVATOR.NOT.40C.1.0SF.RIGID..  
Elevator Duty



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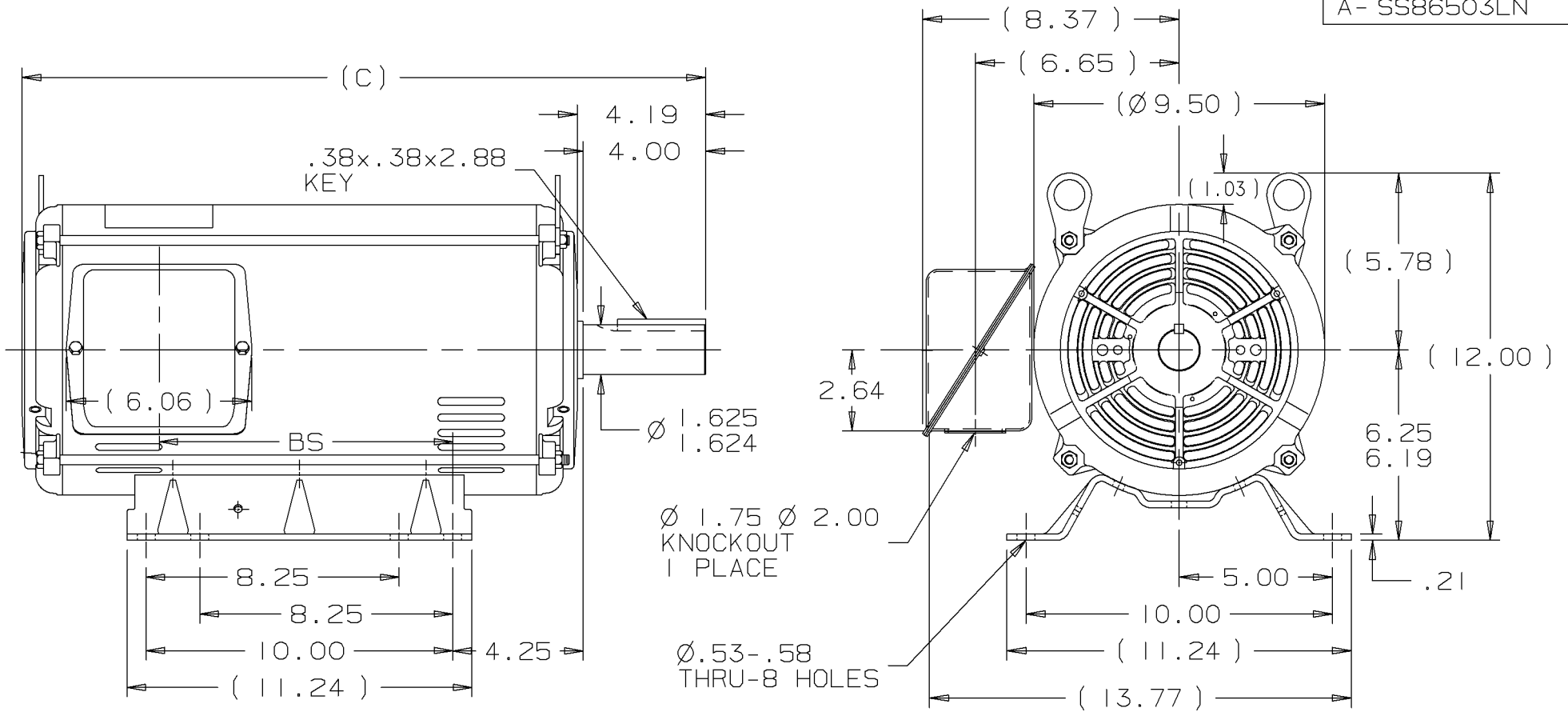
### Nameplate Specifications

Output HP	<b>20 Hp</b>	Output KW	<b>14.9 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>230/460 V</b>
Current	<b>52.0/26.0 A</b>	Speed	<b>1760 rpm</b>
Service Factor	<b>1</b>	Phase	<b>3</b>
Efficiency	<b>91 %</b>	Duty	<b>120/80 Starts/Hour</b>
Insulation Class	<b>F</b>	Design Code	<b>INV</b>
KVA Code	<b>F</b>	Frame	<b>256T</b>
Enclosure	<b>Drip Proof</b>	Overload Protector	<b>No</b>
Ambient Temperature	<b>40 °C</b>	Drive End Bearing Size	<b>309</b>
Opp Drive End Bearing Size	<b>208</b>	UL	<b>Recognized</b>
CSA	<b>Y</b>	CE	<b>Y</b>
IP Code	<b>12</b>		

### Technical Specifications

Electrical Type	<b>Squirrel Cage Induction Run</b>	Starting Method	<b>Wye Start Delta Run</b>
Poles	<b>4</b>	Rotation	<b>Reversible</b>
Mounting	<b>Rigid base</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>T</b>
Overall Length	<b>22.32 in</b>	Frame Length	<b>15.45 in</b>
Shaft Diameter	<b>1.625 in</b>	Shaft Extension	<b>4 in</b>
Assembly/Box Mounting	<b>F1/F2 CAPABLE</b>		
Outline Drawing	<b>A-SS86503LN-1545</b>	Connection Diagram	<b>A-EE7358-LN</b>


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DASH	FR.	C	BS	MOUNTING
1370	254T	20.57	7.68	F1 OR F2
1545	254T/256T	22.32	9.43	F1 OR F2

NOTES:

1. NAMEPLATE TO BE READ FROM C'BOX SIDE OF MOTOR.
2. BOX CAN BE MOUNTED IN 90° STEPS.
3. BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°. (EXCEPT AS NOTED.)
4. F2 MOUNT -USES 2ND HOLE ON 1370 FRAME.

						UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOL. ON XX±.02 XXX±.005 XXXX±.0005 ANGLES± 7'30"	
2	01-31-2000	UPDATED CONDUIT BOX PER	CN 28427	TJB			MAX. SURFACE ROUGHNESS UNLESS OTHERWISE NOTED
					FINISH		DRAWN BY TRB 07-20-1999
1	07-20-1999	NEW DRAWING		TRB	MATERIAL		CHKD BY ML 07-20-1999
							APPD BY GK 07-20-1999
REV	DATE	CHANGE		NAME	PART NAME OUTLINE 250 FR. - BB - DR.PR.		DRWG NO A-SS86503LN

| L | PURCHASED | CADD FILE NO. | SS86503LN

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ERROR: syntaxerror  
OFFENDING COMMAND: --nostringval--
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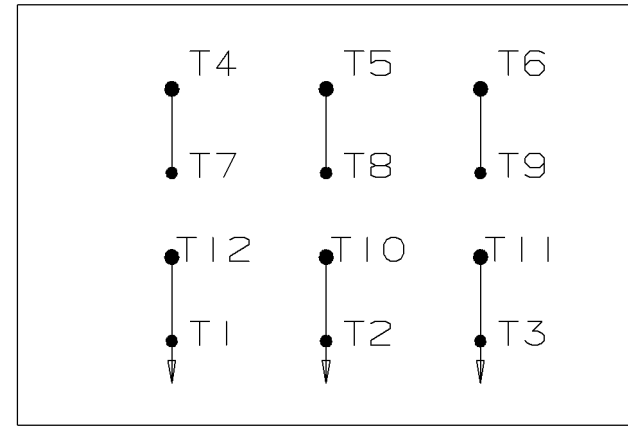
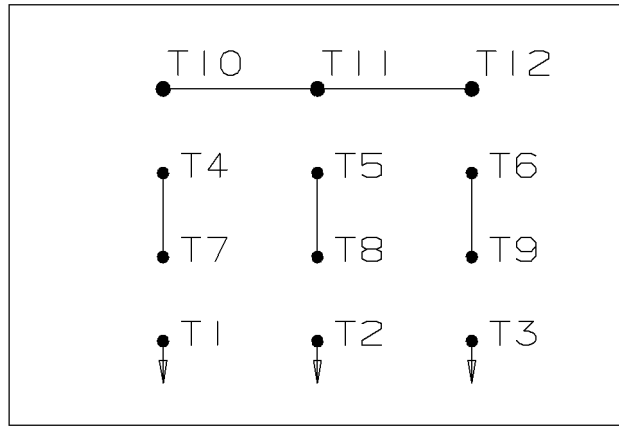
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-dictionary-
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WYE START

HIGH VOLTAGE

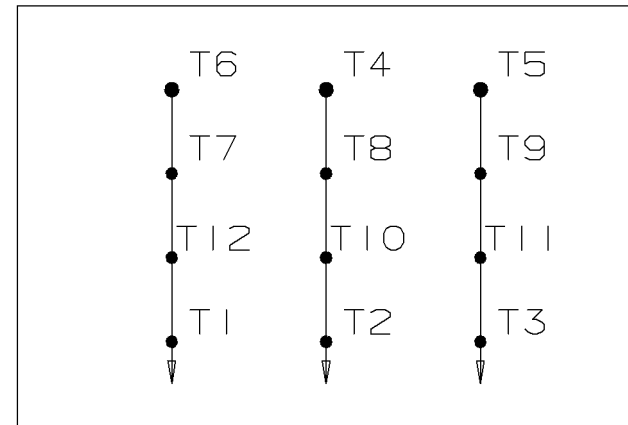
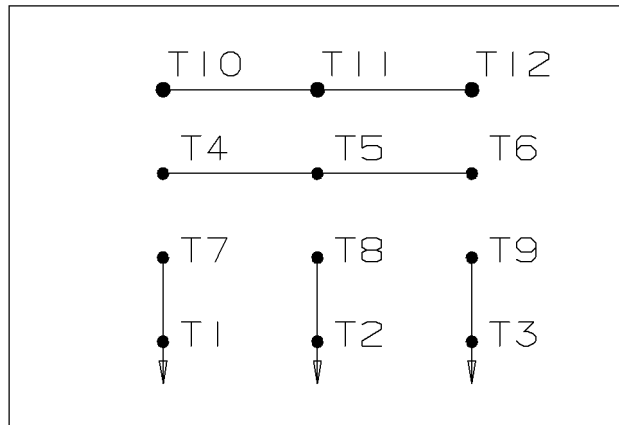
DELTA RUN



WYE START

LOW VOLTAGE

DELTA RUN



4/2 CKTY Δ

					<input checked="" type="checkbox"/> UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOL. ON XX± .02    XXX± .005    XXXX± .0005    ANGLES± 7'30"		
						MAX. SURFACE ROUGHNESS UNLESS OTHERWISE NOTED	DRAWN BY DRS
				FINISH	CHKD BY ML	12-07-1999	
				MATERIAL	APPD BY TB	12-07-1999	
REV	DATE	CHANGE	NAME	PART NAME	CONNECTION DIAGRAM		DRWG NO
							A- EE7358-LN
					PURCHASED	CADD FILE NO.	EE7358-LN



Motor Load Data

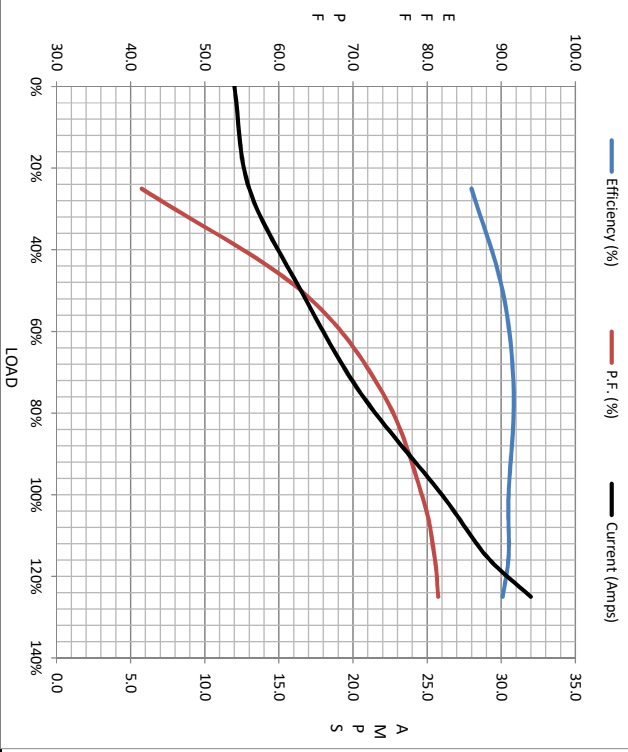
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	12.0	13.0	16.5	20.5	26.0	29.0	32.0	160
Torque (ft-lb)	0.00	15.0	29.5	44.5	59.5	68.5	75.0	145
RPM	1800	1790	1785	1770	1760	1755	1750	0
Efficiency (%)		86.0	90.2	91.7	91.0	91.0	90.2	
P.F. (%)	5.5	41.5	63.0	74.0	79.3	81.0	81.5	43.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1625	1760	1800
Current (Amps)	160	135	100	26.0	12.0
Torque (ft-lb)	145	140	175	59.5	0.00

Information Block

HP	20.0			
Sync. RPM	1800			
Frame	256			
Enclosure	DP			
Construction	TDX			
Voltage	230/460#230/460 V			
Frequency	60 Hz			
Design	B			
LR Code letter	H			
Service Factor	1.15			
Temp Rise @ FL	0 °C			
Duty	60 MIN			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk <sup>2</sup>	1.70 Lb-Ft <sup>2</sup>			
Ref Wdg	K2154280 R5			
Sound Pressure @ 1M	70 dBA			
VFD Rating	NONE			
Outline Dwg	A-SS86503LN-1545			
Conn. Diag	A-EE7358-LN			
Additional Specifications:				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.9410	0.8280	3.2500	4.7710	67.3080



Speed - Torque Curve

