

PRODUCT INFORMATION PACKET



Model No: 286TSHFNA19002AA

Catalog No: 811560.00

30HP..3550RPM.286.TEFC./V.3PH.60HZ.CONT.NOT.40C.1.15SF.RIGID.IEEE-841.286TSHFNA19002AA
IEEE 841



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Nameplate Specifications

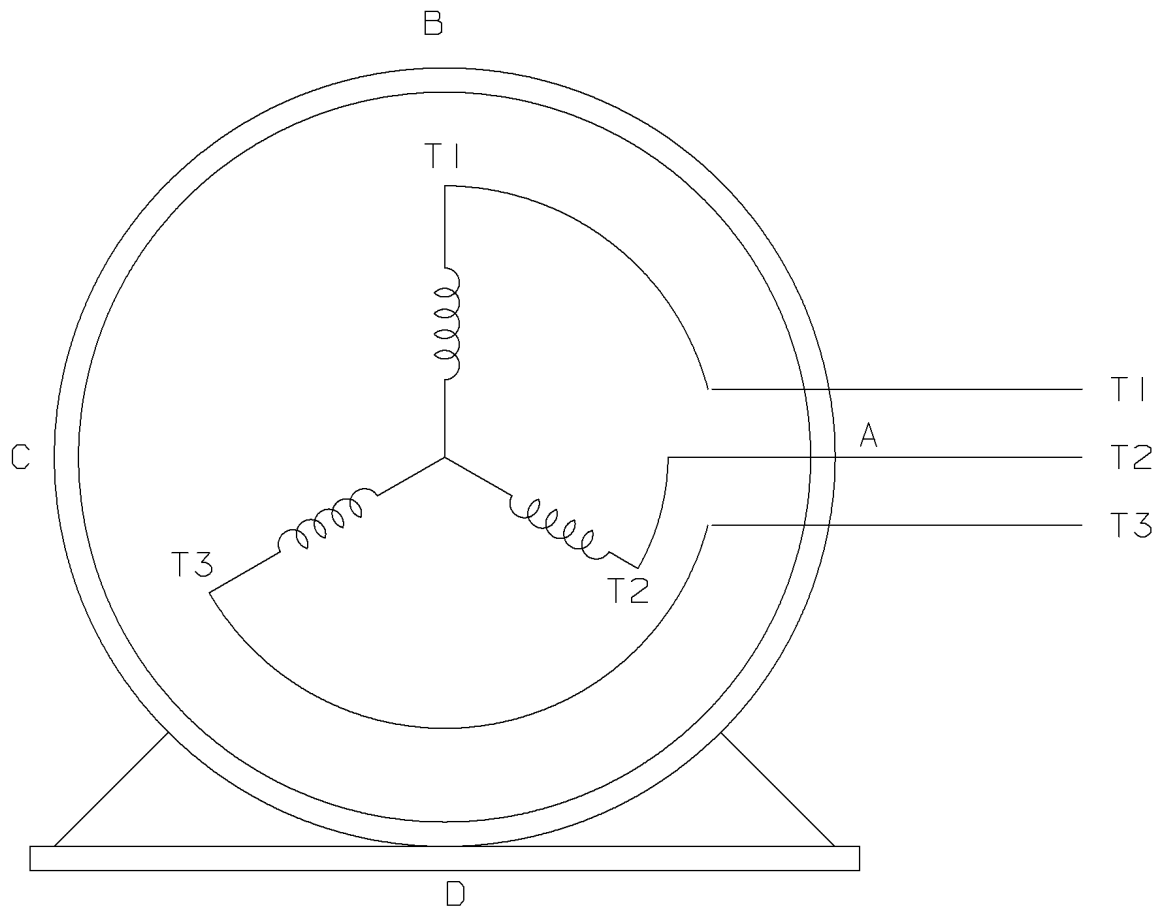
Output HP	30 Hp	Output KW	22.4 kW
Frequency	60 Hz	Voltage	460 V
Current	34.0 A	Speed	3560 rpm
Service Factor	1.15	Phase	3
Efficiency	93.6 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	G	Frame	286TS
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	311
Opp Drive End Bearing Size	210	UL	Recognized
CSA	Y	CE	Y
IP Code	56		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
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	TS
Overall Length	26.46 in	Frame Length	14.25 in
Shaft Diameter	1.625 in	Shaft Extension	3.25 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	B-SS311062LE-1425	Connection Diagram	A-EE7300-LE

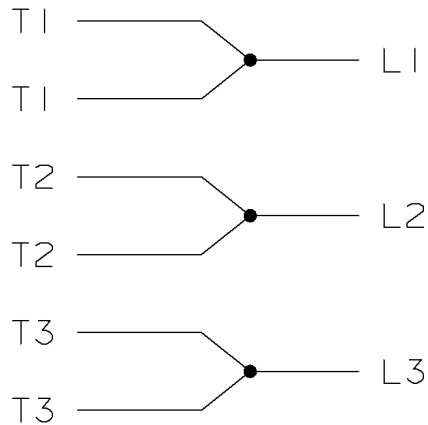
THREE PHASE - SINGLE VOLTAGE
MOTOR - CONDUIT BOX @ 'A'

TO REVERSE ROTATION:
INTERCHANGE ANY TWO LINE
LEAD CONNECTIONS




VIEW OF TERMINAL END

IF MOTOR HAS
6 LEADS



A-9806 DECAL

				TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN MSG 05-22-2002			
				DEC.	TOLERANCE		CHK ML 05-22-2002			
				.X	± .1		APPD GK 05-22-2002			
				.XX	± .02		SCALE			
				.XXX	± .005		REF			
1	NEW DRAWING	MSG	05-22-2002	ML	.XXXX ± .0005	TITLE CONNECTION DIAGRAM SINGLE VOLT - 3Ø MOTOR	FMF			
NO.	REVISION	BY	DATE	CHK	ANG ± 7'30'		✓ SURFACE ROUGHNESS UNLESS SPECIFIED	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				PURCHASED		CAD FILE EE7300-LE	SHOP BOOK	SIZE	DRAWING NO.	REV.
				DIST WA - LB - WP - LM - BR - BR				A	EE7300-LE	I



Motor Load Data									
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	9.0	12.4	18.5	25.5	35.0	38.5	41.0	217	
Torque (ft-lb)	0.00	11.0	22.0	33.0	44.5	51.0	56.0	66.0	
RPM	3600	3590	3578	3567	3555	3547	3542	0	
Efficiency (%)		89.5	93.0	93.6	93.0	93.0	92.4	93.0	
P.F. (%)		60.5	78.0	84.0	86.5	87.0	87.0	32.0	

Motor Speed Data					Information Block				
Speed (RPM)	LR	Pull-Up	BD	Rated	Idle	HP	Sync. RPM	Frame	Enclosure
	0	1800	3335	3555	3600	30.0	3600	286	TEFC
Current (Amps)	217	200	140	35.0	9.0			TFN	
Torque (ft-lb)	66.0	56.0	125	44.5	0.00			460	V

Construction	TFN
Voltage	460 V
Frequency	60 Hz
Design	B
LR Code letter	G
Service Factor	1.15
Temp Rise @ FL	60 °C
Duty	CONT
Ambient	40 °C
Elevation	1,000 feet
Rotor/Shaft wk ²	2.90 lb-Ft ²
Ref Wdg	K286292 NONE
Sound Pressure @ 1M	72 dBA
VFD Rating	CONSTANT 10:1
Outline Dwg	B-SS311062LE-1425
Conn. Diag	A-EE7300-1E
Additional Specifications:	
0	
EQUIV CKT (OHMS / PHASE)	
R1	R2
0.1890	0.1040
X1	X2
0.7560	0.6620
Xm	29.0120

