

PRODUCT INFORMATION PACKET



Model No: 254THFNA19014AA

Catalog No: 811554.00

15HP..3550RPM.254.TEFC./V.3PH.60HZ.CONT.NOT.40C.1.15SF.RIGID.IEEE 841.254THFNA19014AA
IEEE 841



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REGAL

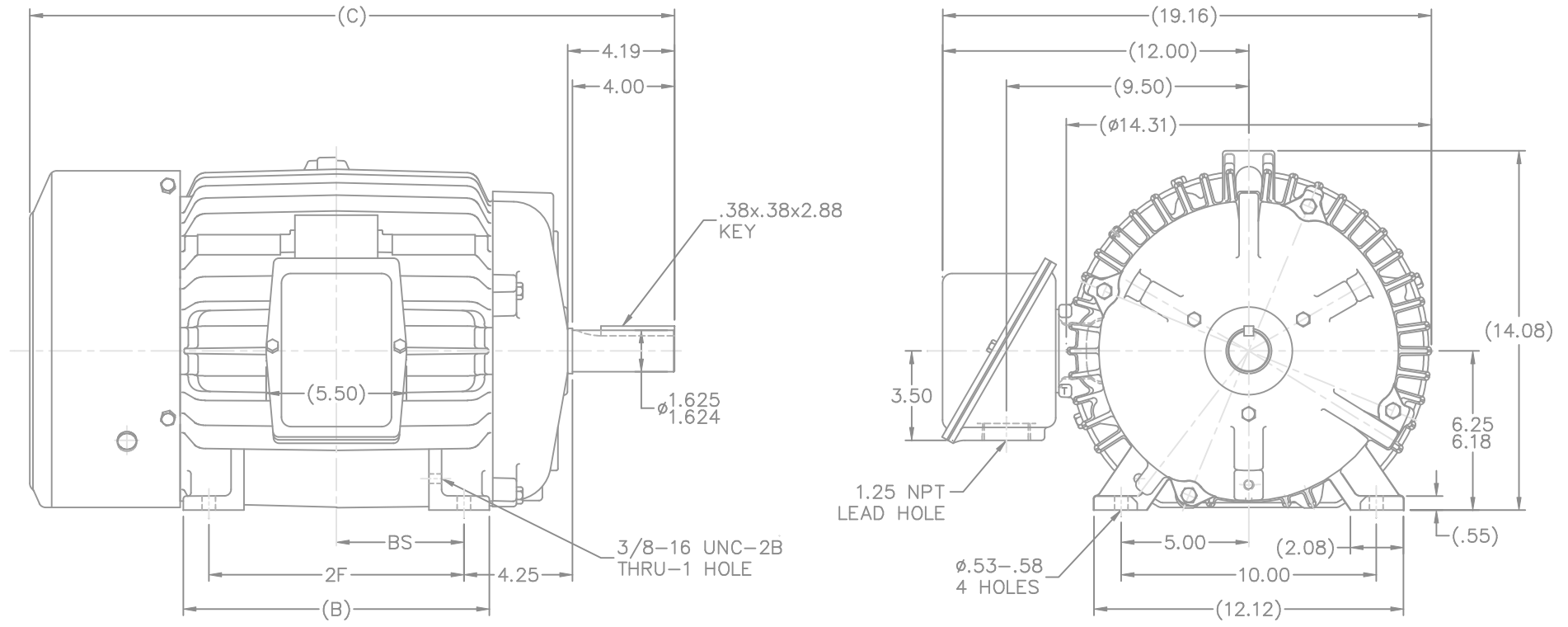


Nameplate Specifications

Output HP	15 Hp	Output KW	11.2 kW
Frequency	60 Hz	Voltage	460 V
Current	17.5 A	Speed	3550 rpm
Service Factor	1.15	Phase	3
Efficiency	91.7 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	G	Frame	254T
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	309
Opp Drive End Bearing Size	210	UL	Recognized
CSA	N	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	T
Overall Length	23.52 in	Frame Length	10.50 in
Shaft Diameter	1.625 in	Shaft Extension	4 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	B-SS203002LE-1050	Connection Diagram	A-EE7300-LE



- NOTES:
1. BOX CAN BE ROTATED ON ITS AXIS.
 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.

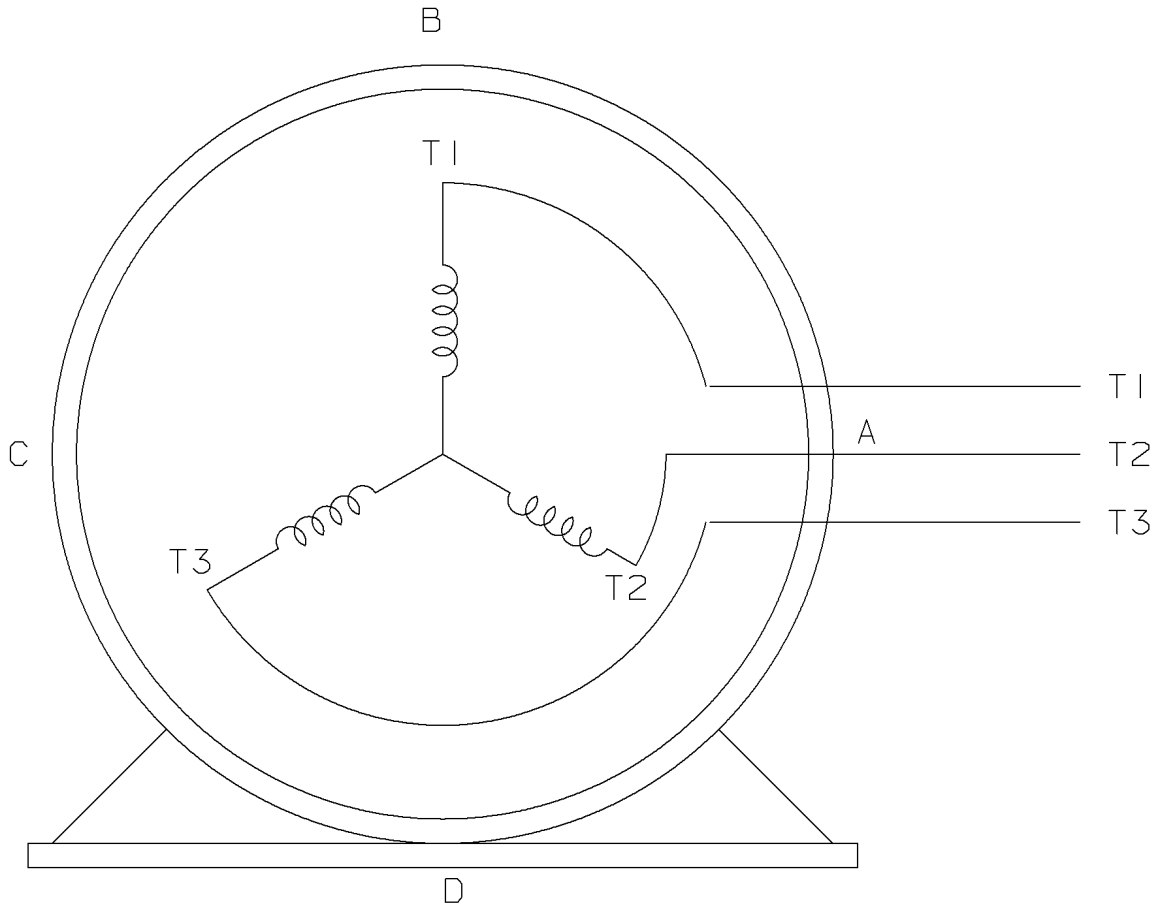
DASH	FRAME	B	C	2F	BS
1050	254T	10.25	23.52	8.25	4.12
1225	256T	12.00	25.27	10.00	5.00

		TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN RJW 08-17-2007	
		DEC.	INCHES		CHK	ML 08-17-2007
		.X	±.1		APPD	DR 08-17-2007
		.XX	±.03		SCALE	1=4
		.XXX	±.005	TITLE	REF	
		.XXX	±.0005	MAT'L	FMF	MUB1054
		CHK	ANG ±7°30"	FINISH	PREV	
NO. REVISION		BY & DATE		RFP 08-17-2007		
				CAD FILE ss203002LE		
				SIZE B		
				DRAWING NO. SS203002LE		
				PAGE OF		
				REV.		

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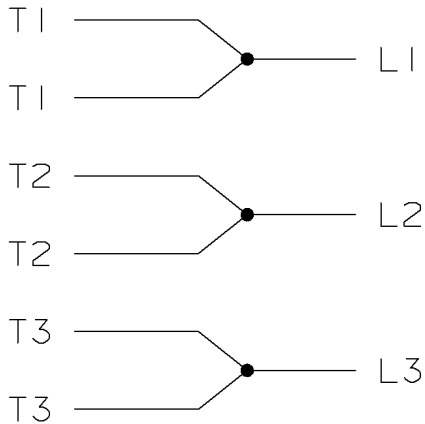
THREE PHASE - SINGLE VOLTAGE
MOTOR - CONDUIT BOX @ 'A'

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	
I	NEW DRAWING	MSG	05-22-2002	ML	.XXXX ± .0005	☒ SURFACE ROUGHNESS UNLESS SPECIFIED	MAT'L.	
NO.	REVISION	BY	DATE	CHK	ANG ± 7'30"		FINISH	
				PURCHASED		CAD FILE EE7300-LE	SHOP BOOK	SIZE
				DIST WA - LB - WP - LM - BR - BY		DRAWING NO.		REV.
						A EE7300-LE		I

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Data Sheet

Date: 1/19/2018

811554.00



Data @ 460 V

Motor Load Data

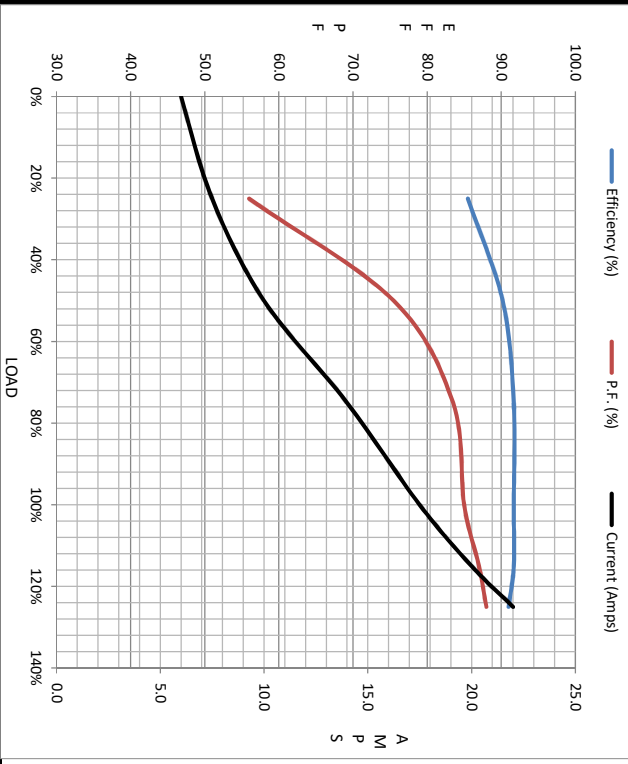
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	6.0	7.5	10.0	14.0	17.5	20.0	22.0	116
Torque (ft-lb)	0.00	5.5	11.0	16.5	22.2	25.0	28.0	41.0
RPM	3600	3585	3570	3560	3550	3540	3525	0
Efficiency (%)		85.5	90.2	91.7	91.7	91.7	91.0	
P.F. (%)	10.5	56.0	75.5	83.5	85.0	87.0	88.0	38.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	3175	3550	3600
Current (Amps)	116	103	75.0	17.5	6.0
Torque (ft-lb)	41.0	37.0	65.0	22.2	0.00

Information Block

HP	15.0			
Sync. RPM	3600			
Frame	254			
Enclosure	TEFC			
Construction	TFN			
Voltage	460 V			
Frequency	60 Hz			
Design	A			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	50 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk²	1.10 Lb-Ft²			
Rel Wdg	K256289 NONE			
Sound Pressure @ 1M	72 dBA			
VFD Rating	CONSTANT 20:1			
Outline Dwg	B-SS203002LE-1050			
Conn. Diag	A-EE7300-1E			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.3870	0.2760	1.4040	1.2980	42.3360



Speed -Torque Curve

