PRODUCT INFORMATION PACKET

Model No: 810007.00 Catalog No: 810007.00 Encoder Motors, TENV, 20 HP, 3 Ph, 60 Hz, 230/460 V, 1770 RPM, 256TC Frame



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Product Information Packet: Model No: 810007.00, Catalog No:810007.00 Encoder Motors, TENV, 20 HP, 3 Ph, 60 Hz, 230/460 V, 1770 RPM, 256TC Frame

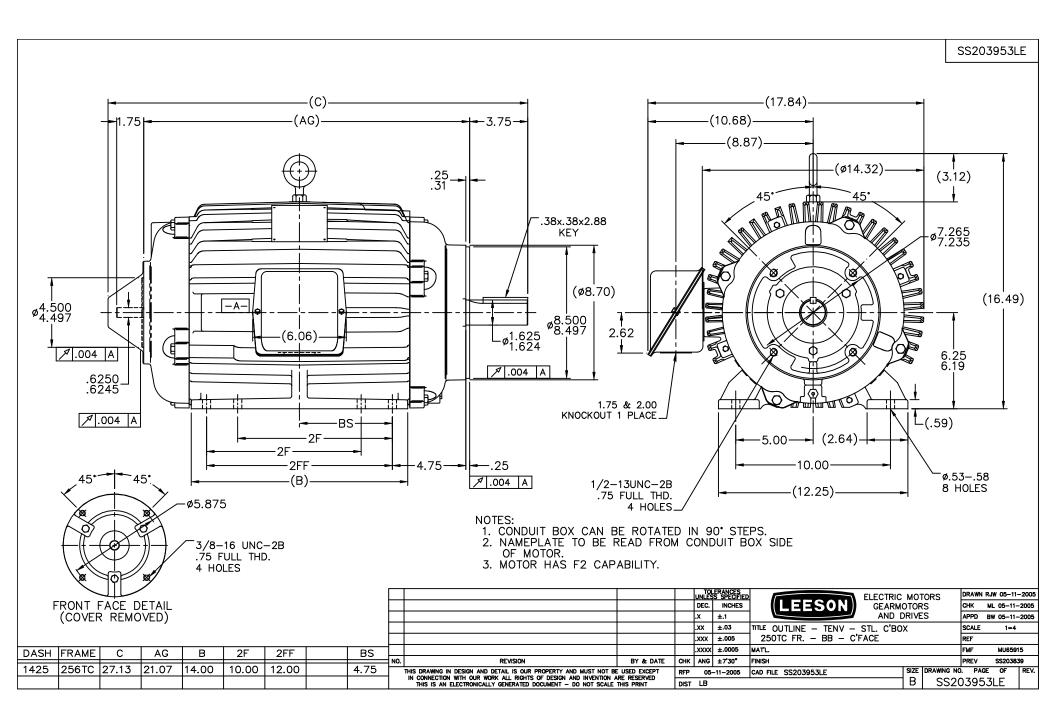
Nameplate Specifications

Output HP	20 Hp	Output KW	14.9 kW
Frequency	60 Hz	Voltage	230/460 V
Current	52.0/26.0 A	Speed	1770 rpm
Service Factor	1	Phase	3
Efficiency	93.6 %	Power Factor	77
Duty	Continuous	Insulation Class	Н
Design Code	INV	KVA Code	N
Frame	256TC	Enclosure	Totally Enclosed Non Ventilated
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	309	Opp Drive End Bearing Size	210
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Duty	Starting Method	Inverter Only
Poles	4	Rotation	Reversible
Resistance Main	.29 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	т	Overall Length	27.13 in
Frame Length	14.25 in	Shaft Diameter	1.625 in
Shaft Extension	4 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	A-EE7308T-LE	Outline Drawing	B-SS203953LE-1425

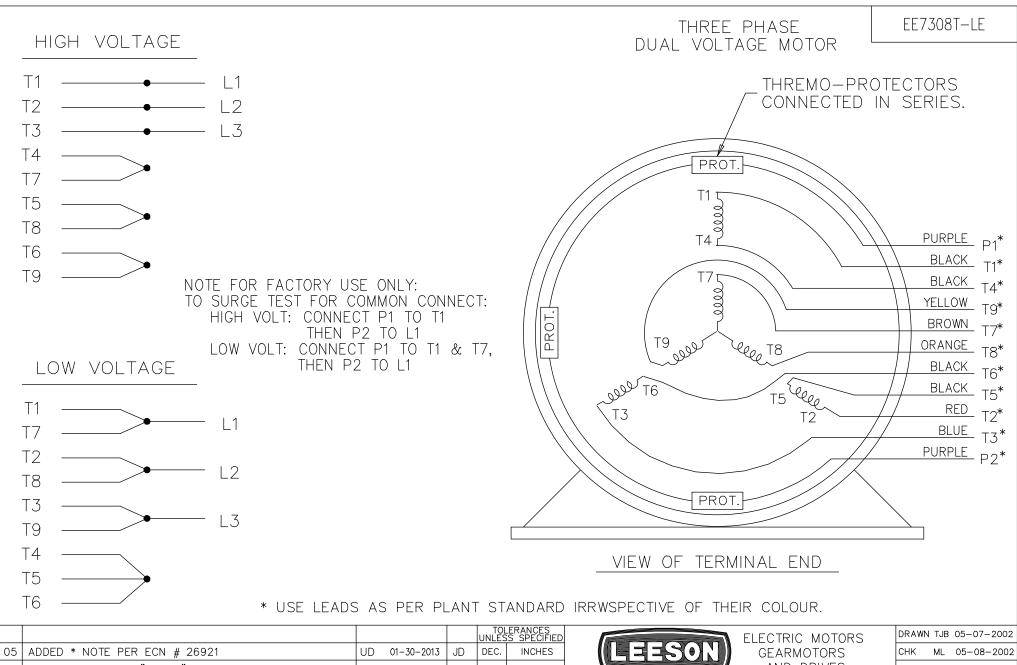
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ERROR: syntaxerror OFFENDING COMMAND: --nostringval--

STACK:

/im -savelevel-



05	ADDED * NUTE PER ECN # 20921	00 01-30-2013	JD	DEC.	INCHES		CHK ML	05-06-2002
04	ADDED COLORS TO "T & P" LEADS CN 40494	MSG 08-08-2006	ML	.X	±.1	AND DRIVES	APPD TB	05-08-2002
03	RE-ISSUE	NJS 04-21-2004	JET	.xx	±.02	TITLE CONNECTION DIAGRAM	SCALE	1=1
02	REDRAWN	TAT 04-20-2004	ML	.xxx	±.005	3 PHASE – DUAL VOLTAGE MOTOR	REF	
01	NEW DRAWING CN 34708	TJB 05-08-2002	ML	.xxxx	±.0005	MAT'L.	FMF	
NO.	REVISION	BY & DATE	СНК	ANG	±7'30"	FINISH	PREV	
	THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT B		RFP			CAD FILE EE7308T_LE SIZE DRAWING NO		
IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT				LB–	WP-LE	A EE7	<u>308T-LE</u>	E 05

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CATALOG #: 810007.00

CONN. DIAGRAM: A-EE7308T-LE

OUTLINE: B-SS203953LE-1425 **WINDING #:** K2564267 1

MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
20	14.9	1800	1770	256TC	TENV	Ν	INV

РН	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	230/460	52/26	INVERTER ONLY	CONTINUOUS	H4	1.0	40

FULL LOAD EFF:	93.6	3/4 LOAD EFF:	93.6	1/2 LOAD EFF:	93	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	77	3/4 LOAD PF:	70	1/2 LOAD PF:	57	93	SQ CAGE INV DUTY

F.L. TORQU	F.L. TORQUE LOCKED ROTOR AMPS			L.R. TORO	QUE	B.D. TORQUE			F.L. RISE°C	
59.5 LB	-FT	600 / 300	200	LB-FT	336 %	325	LB-FT	546 %	90	

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
62 dBA	72 dBA	3.7 LB-FT^2	- LB-FT^2	- SEC.	-	440 LBS.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	ENCODER	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE - LEESON (ENAMEL)

BEAR	RINGS	CREASE				SHAFT	FRAME	
DE	ODE	GREASE	GREASE SHAFT TYPE SPECIAL DE		SPECIAL ODE	MATERIAL	MATERIAL	
BALL	BALL	POLYREX EM	г	NONE	NONE			
309	210	POLIKEX EM	Ι	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON	

		THERMO-PROTECT	ORS		TUERMICTORC	CONTROL	SPACE HEATERS		
	THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs	- THERMISTORS	CONTROL	SPACE	LILATERS	
	TSTATS (N/C)	NOT	NONE	NONE	NONE	FALSE	NONE	VOLTS	
*					NVERTER TORQUE: NV. HP SPEED RANG				
Ν				E	NCODER: PROVISIC	NS ONLY			
ο					ORTHSTAR ONE NONE	ST56 PPR			
т				B	RAKE: NONE	NONE			
E				N	ONE P/N NON				
s				Ν	ONE FT-LB NO	NE V I	NONE HZ		

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