

PRODUCT INFORMATION PACKET

Model No: 256TTFCD6523

Catalog No: E484A

20 HP, Severe Duty Motors, 3 phase, 3600 RPM, 230/460 V, 256T Frame, TEFC
Other Severe Duty Motors





Nameplate Specifications

Output HP	20 Hp	Output KW	14.9 kW
Frequency	60 Hz	Voltage	230/460 V
Current	47.5/23.7 A	Speed	3540 rpm
Service Factor	1.15	Phase	3
Efficiency	91 %	Power Factor	87.5
Duty	Continuous	Insulation Class	H
Design Code	B	KVA Code	G
Frame	256T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6209
UL	Listed	CSA	Y
CE	Y	IP Code	55
Hazardous Location	DIVISION 2 T2B		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Selective Clockwise
Resistance Main	.546 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Shaft Diameter	1.626 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	SS208560	Connection Drawing	EE7308

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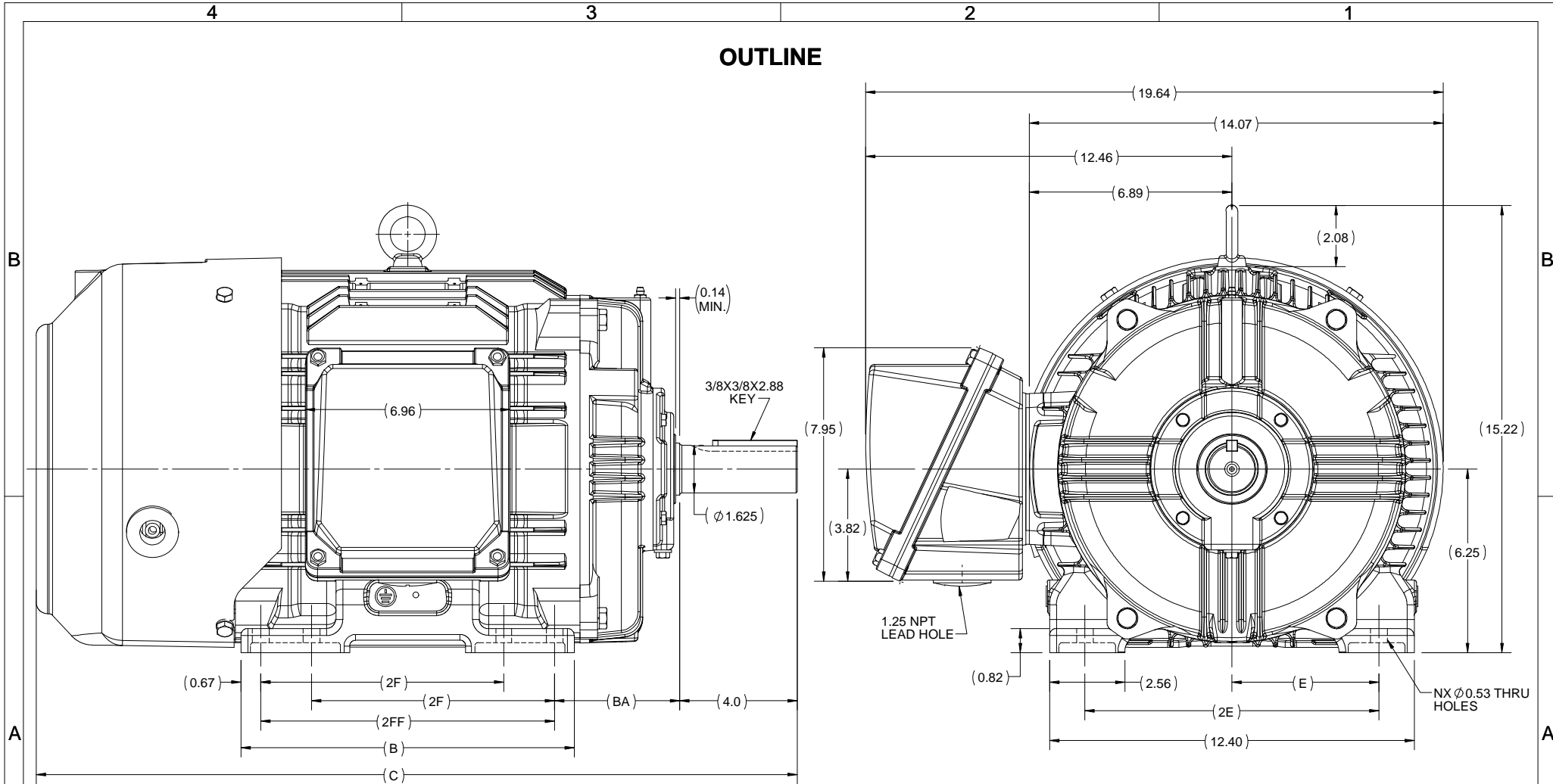
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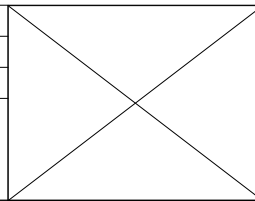
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OUTLINE



254/256T	11.34	25.89	10.00	8.25	4.25	5.00	10.00	8	F1 OR F2
254T	9.60	24.15	8.25	-	4.25	5.00	10.00	4	F1 OR F2
FRAME	B	C	2FF	2F	BA	E	2E	N	MOUNTING

DRAWING REVISION D	REVISION BY VS	DATE 17-08-2020
ECO ECO-0190753	APPROVED BY MRK	DATE 17-08-2020
ECO DESCRIPTION SHAFT EXTENSION DIA CORRECTED		
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DRAWN BY BISWA
DATE 26/09/2018
APPROVED BY SBD
DATE 26/09/2018
REFERENCE
THIRD ANGLE PROJECTION

Regal Beloit America, Inc.	
DESCRIPTION OUTLINE 254T/256T FR-NEMA-SD & IEEE841	
MATERIAL	PROCESS/FINISH
SIZE B	DRAWING NUMBER SS208560
	SHEET 1 OF 1



NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED		FINISH	DRAWN RM 11/20/1990				
					DEC.	INCHES						
5	CHG TO REGAL LOGO	SL 09/10/2015	AB					CHK ML 11/21/1990				
4	REVISED IEC NOTATIONS	MSG 11/15/2011	CMN	.X	±.1			APPD SAS 04/24/2003				
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG 5/10/2010	MJS	.XX	±.02		TITLE CONNECTION DIAGRAM	SCALE 1=1				
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005		3Ø - DUAL VOLTAGE MOTOR	REF				
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005		MAT'L.	FMF				
					±7'30"			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							RFP	CAD FILE ee7308	SIZE A	DRAWING NO. EE7308	PAGE OF 5	REV. 5
							DIST WP					



DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: EE7308 REFERENCE MODEL #: 256TTFCD6523
 OUTLINE: SS208560-256T CAT #: E484A
 WINDING: HE31602007 NONE 6 MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN				
20	14.9	3600	3540	256T	TEFC	TFC	G	B				
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB (°C)	ELEV.(FT)			
3	60	230/460	47.5/23.7	LINE OR INVERTER	CONT	H	1.15	40	3300			
F.L. EFF		3/4 LD EFF	1/2 LD EFF	ELECT. TYPE								
91.0	91.0	89.5	89.5	SQ CAGE INV RATED								
F.L. PF		3/4 LD PF	1/2 LD PF									
87.5	84.0	76.5	90.2									
F.L. TORQUE		LR AMPS @ 460 V	L.R. TORQUE		B.D. TORQUE		F.L. RISE (°C)					
29.7	LB-FT	143	49.0	LB-FT	165%	74.0	LB-FT	249%	60			
SOUND PRESSURE @		SOUND	ROTOR WK ²		MAX. LOAD WK ²		SAFE STALL TIME		STARTS/HOUR		APPROX.	
75	dba	84 dbA	1.35	LB-FT ²	25	LB-FT ²	20	SEC.	2	345	LB.	
*** SUPPLEMENTAL INFORMATION ***												
DE BRACKET TYPE		ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT			
STANDARD		STANDARD	RIGID	HORIZONTAL	PREMIUM SEVERE DUTY	DIVISION 2 T2B	NO	NONE	BLUE (EPOXY)			
BEARINGS		GREASE	SHAFT TYPE		SPECIAL DE	SPECIAL ODE	SHAFT	MATERIAL	FRAME MATERIAL			
DE	ODE	POLYREX EM	T		NONE	NONE	1045 HOT ROLLED (C-204)		CAST IRON			
BALL	BALL											
6309	6209											
THERMOSTATS		PROTECTORS	WDG RTD's		BRG RTD's		THERMISTORS		CONTROL		SPACE HEATERS	
NONE		NOT	NONE		NONE		NONE		FALSE		NA	
R1 (ohms/ph)		R2 (ohms/ph)	X1 (ohms/ph)		X2 (ohms/ph)		Xm (ohms/ph)		VIBRATION (in/sec)		FLOAT	
0.362		0.192	1.122		0.937		33.938		0.080		ODE	
* N O T E S *						If Inverter equals NONE, contact factory for further information						
						INVERTER TORQUE: CONSTANT 20:1						
						INV. HP SPEED RANGE: NONE						
						ENCODER: NONE						
						NONE PPR						
PREPARED BY: ANUSHA M					BRAKE: NONE		NONE		NONE			
DATE: 3/18/2020					FT-LB: NA		VOLTAGE: NONE		HZ:			

FORM: 3531 REV_4 2/27/06
 ** Subject to change without notice.

