

PRODUCT INFORMATION PACKET

Model No: 254TTFCD6515

Catalog No: E481A

15 HP, Severe Duty Motors, 3 phase, 3600 RPM, 230/460 V, 254T Frame, TEFC
Other Severe Duty Motors





Nameplate Specifications

Output HP	15 Hp	Output KW	11.2 kW
Frequency	60 Hz	Voltage	230/460 V
Current	35.5/17.8 A	Speed	3545 rpm
Service Factor	1.15	Phase	3
Efficiency	91 %	Power Factor	87
Duty	Continuous	Insulation Class	H
Design Code	B	KVA Code	G
Frame	254T	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	.691 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	SS208560-254T	Connection Drawing	EE7308

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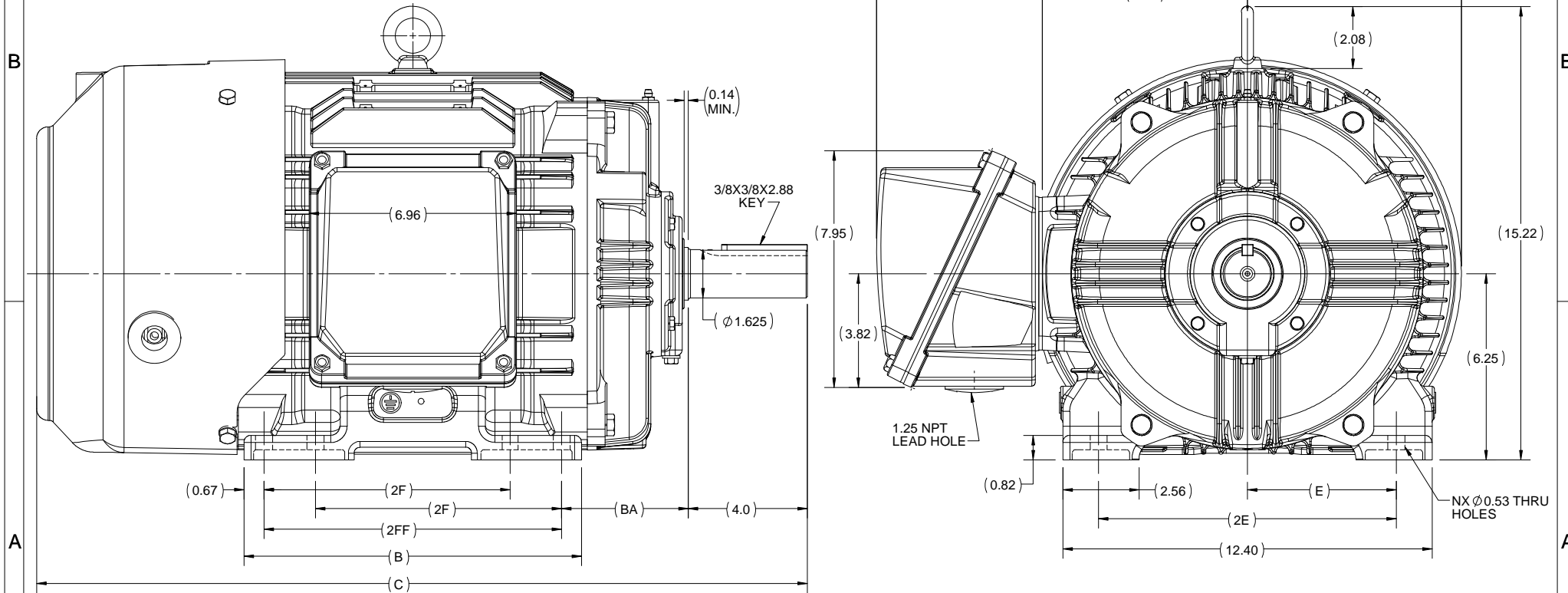
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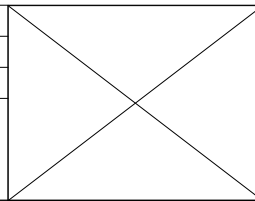
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OUTLINE



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		FINISH		PREV	
5	CHG TO REGAL LOGO	SL	09/10/2015	AB									
4	REVISED IEC NOTATIONS	MSG	11/15/2011	CMN	.X	±.1							
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG	5/10/2010	MJS	.XX	±.02							
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH	04/24/2003	DRS	.XXX	±.005							
1	REDRAWN	RM	11/20/1990		.XXXX	±.0005							
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REGAL™ Regal Beloit America, Inc.

DRAWN RM 11/20/1990
 CHK ML 11/21/1990
 APPD SAS 04/24/2003
 SCALE 1=1
 REF
 FMF
 PREV

TITLE CONNECTION DIAGRAM
 3Ø - DUAL VOLTAGE MOTOR

MAT'L.



DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: EE7308
 OUTLINE: SS208560-254T
 WINDING: HE31602008 NONE 6

MODEL #: 254TFC06515
 CAT #: E481A
 MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
15	11.2	3600	3545	254T	TEFC	TFC	G	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB (°C)	ELEV.(ft)
3	60	230/460	35.5/17.8	LINE OR INVERTER	CONT	H	1.15	40	3300

F.L. EFF	91.0	3/4 LD EFF	91.0	1/2 LD EFF	90.6	GTD EFF	ELECT. TYPE
F.L. PF	87.0	3/4 LD PF	83.5	1/2 LD PF	75.0	90.2	SQ CAGE INV RATED

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)
22.2 LB-FT	114	37.0 LB-FT 167%	60.0 LB-FT 270%	55

SOUND PRESSURE @	SOUND	ROTOR WK ¹	MAX. LOAD WK ²	SAFE STALL TIME	STARTS/HOUR	APROX.	MOTOR
75 dBA	84 dBA	1.20 LB-FT ²	22 LB-FT ²	20 SEC.	2	335	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 BALL BALL 6309 6209	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)		CAST IRON

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)
0.448	0.236	1.436	1.134	41.882	0.080

If Inverter equals NONE, contact factory for further information

* N O T E S *		INVERTER TORQUE: CONSTANT 20:1
		INV. HP SPEED RANGE: NONE
		ENCODER: NONE
		NONE NONE NONE PPR
		BRAKE: NONE

PREPARED BY: ANUSHA M
 DATE: 3/10/2020
 FT-LB: NA
 VOLTAGE: NONE HZ:

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

