

PRODUCT INFORMATION PACKET

Model No: 254TTFCA6005

Catalog No: GT1121

15 HP General Purpose Motor, 3 phase, 3600 RPM, 575 V, 254T Frame, TEFC
General Purpose Motors



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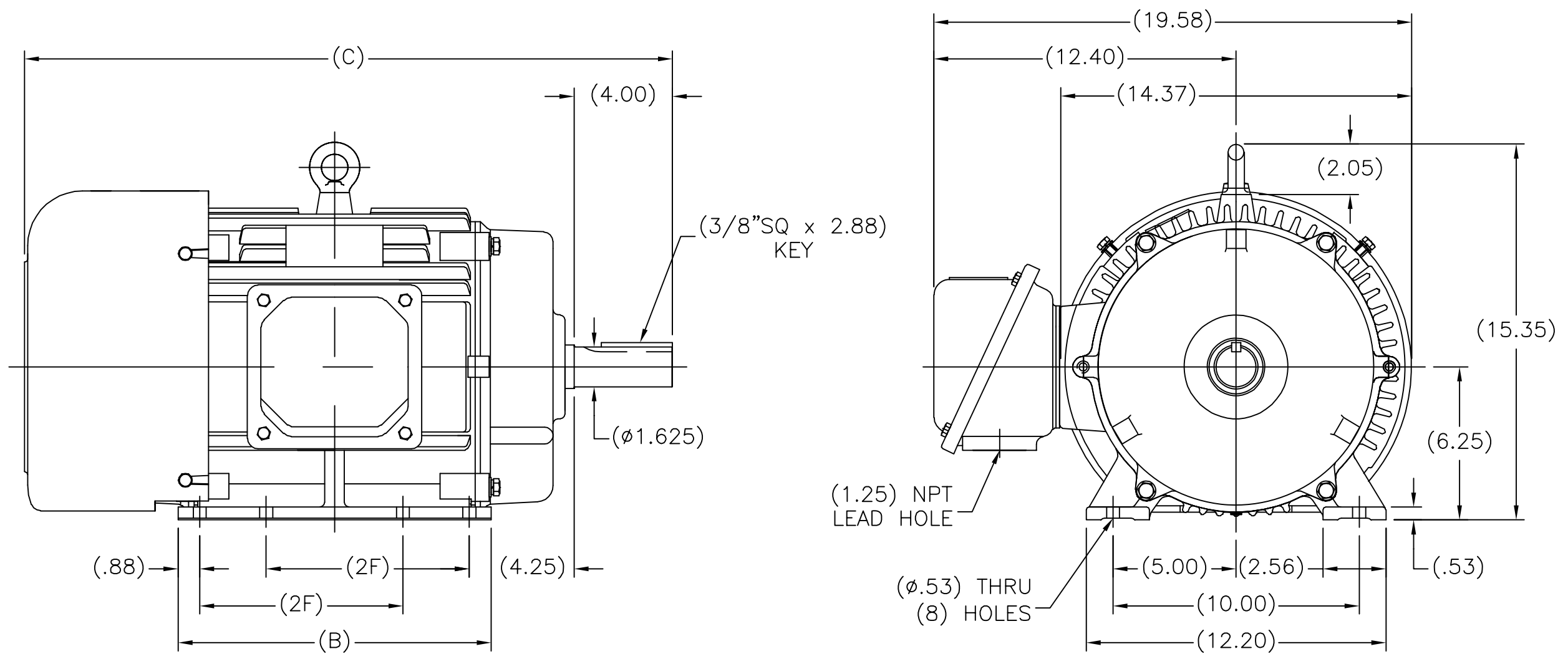
Nameplate Specifications

Output HP	15 Hp	Output KW	11.2 kW
Frequency	60 Hz	Voltage	575 V
Current	14.0 A	Speed	3560 rpm
Service Factor	1.15	Phase	3
Efficiency	92.4 %	Power Factor	87
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	254T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6209	Opp Drive End Bearing Size	6209
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Resistance Main	.405 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Overall Length	26.60 in
Shaft Diameter	1.625 in	Shaft Extension	4 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Connection Drawing	A-EE7300	Outline Drawing	SS620244-254T

SS620244



(MAY NOT BE DRAWN TO SCALE)

(DIMENSIONS IN TABLE ARE CONSIDERED REFERENCE)

254T	26.60	12.80	8.25
256T	27.80	13.98	10.00
FRAME	C	B	2F

		TOLERANCES UNLESS SPECIFIED		DRAWN MSG 01-12-2010	
		DEC.	INCHES	CHK MJS 01-13-2010	
		.X	±.1	APPD SB 01-13-2010	
		.XX	±.03	SCALE 1=4	
		.XXX	±.005	REF	
D	CHANGED BORDER LOGO TO "REGAL" ECO-0075536	WGJ	04-09-2015	EH	.XXXX ±.0005
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"
		RFP	01-14-2010	CAD FILE	SS620244
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		REGAL™ Regal Beloit America, Inc.		DRAWING NO. PAGE OF REV.	
		TITLE OUTLINE 254T FR. - TEFC		B SS620244 D	
		MATERIAL FINISH		PREV	
		FMF HUADA			

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

**TO REVERSE ROTATION:
INTERCHANGE ANY TWO
LINE LEAD CONNECTIONS.**

TERMINAL BLOCK WHEN SPECIFIED



VIEW OF TERMINAL END

**IF MOTOR HAS
6 LEADS**



A-9806 DECAL

**OPTIONAL CORD
CONNECTION**



DRAWING REVISION AB	REVISION BY JJB	DATE 06-27-2017
ECO ECO-0125361	APPROVED BY TB	DATE 06-27-2017
ECO DESCRIPTION UPDATED TO CURRENT STANDARDS		
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DRAWN BY DA
DATE 03-26-1993
APPROVED BY TB
DATE 03-26-1993
REFERENCE
THIRD ANGLE PROJECTION

Regal Beloit America, Inc.	
DESCRIPTION CONNECTION DIAGRAM EXTERNAL - SINGLE VOLTAGE - 3Ø MOTOR	
MATERIAL	PROCESS/FINISH
SIZE A	DRAWING NUMBER EE7300
SHEET 1 OF 1	

Data Sheet

Date: 16-06-2017
Customer: _____
Attention: _____
Submitted by: FAREEDA DUDEKULA



254TFCA6005

Submittal

Data @ **575 V**

Motor Load Data

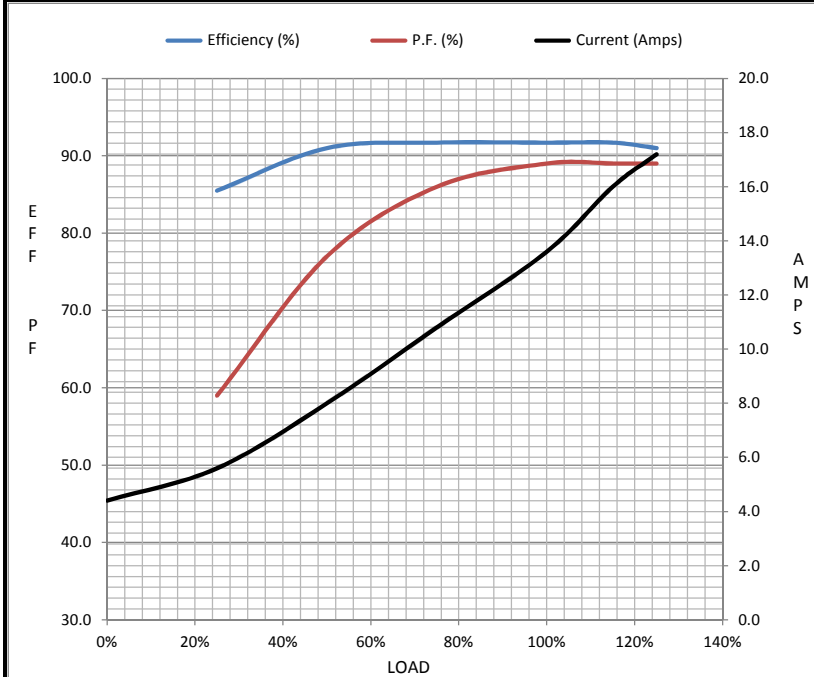
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	4.4	5.6	8.0	10.8	13.6	16.0	17.2	92.8
Torque (ft-lb)	0.00	5.5	11.0	16.5	22.2	25.5	27.8	44.0
RPM	3600	3590	3580	3565	3550	3,540	3525	0
Efficiency (%)		85.5	91.0	91.7	91.7	91.7	91.0	
P.F. (%)	10.0	59.0	77.0	86.0	89.0	89.0	89.0	40.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	3375	3550	3600
Current (Amps)	92.8	88.0	52.8	13.6	4.4
Torque (ft-lb)	44.0	39.0	68.0	22.2	0.00

Information Block

HP	15.0			
Sync. RPM	3600			
Frame	254			
Enclosure	TEFC			
Construction	TFC			
Voltage	575 V			
Frequency	60 Hz			
Design	A			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	45 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	1.60 Lb-Ft ²			
Ref Wdg	CHT25420001 NONE			
Sound Pressure @ 1M	72 dBA			
VFD Rating	NONE			
Outline Dwg	B-SS620244			
Conn. Diag	A-EE7300			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.4280	0.2950	1.7330	2.2240	79.8820



Speed - Torque Curve

