

# PRODUCT INFORMATION PACKET

Model No: 256TTDBD6013  
Catalog No: GT2564  
25,3600,DP,256JP,3/60/575  
JP



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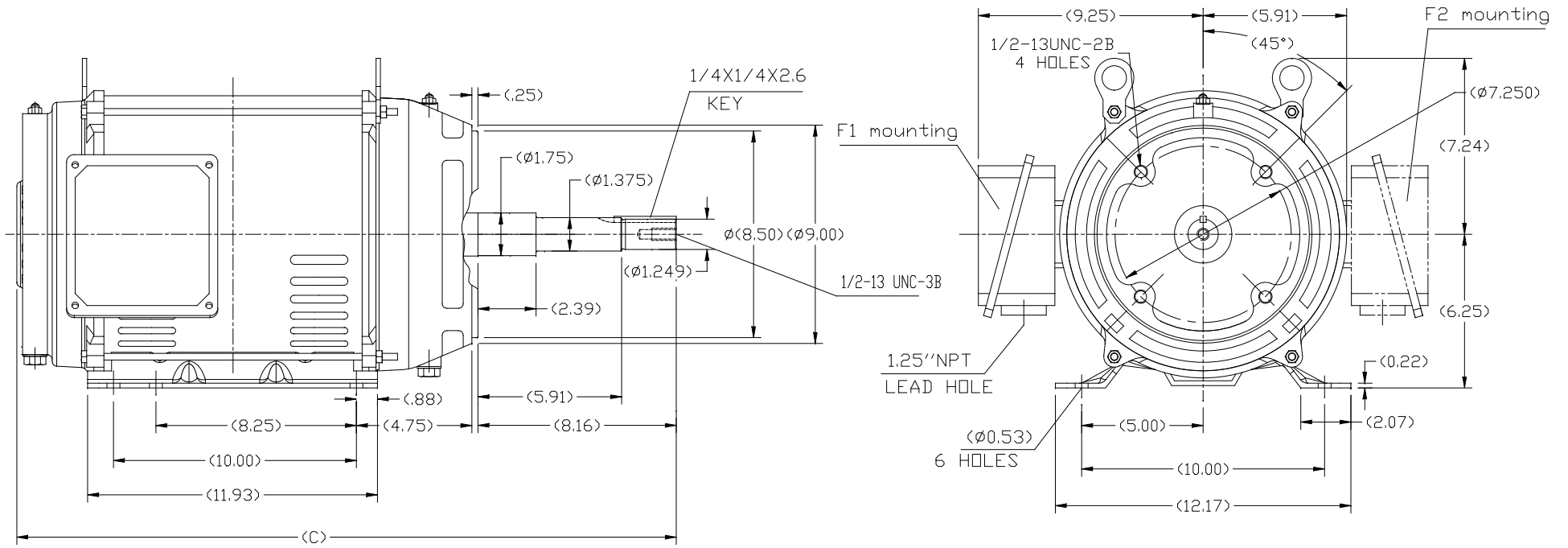
**Nameplate Specifications**

Output HP	<b>25 Hp</b>	Output KW	<b>18.7 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>575 V</b>
Current	<b>23.8 A</b>	Speed	<b>3556 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>3</b>
Efficiency	<b>91.7 %</b>	Duty	<b>Continuous</b>
Insulation Class	<b>F</b>	Design Code	<b>B</b>
KVA Code	<b>G</b>	Frame	<b>256JP</b>
Enclosure	<b>Drip Proof</b>	Overload Protector	<b>No</b>
Ambient Temperature	<b>40 °C</b>	Drive End Bearing Size	<b>6309</b>
Opp Drive End Bearing Size	<b>6208</b>	UL	<b>Recognized</b>
CSA	<b>Y</b>	CE	<b>Y</b>
IP Code	<b>22</b>		

**Technical Specifications**

Electrical Type	<b>Squirrel Cage Inverter Rated</b>	Starting Method	<b>Line Or Inverter</b>
Poles	<b>2</b>	Rotation	<b>Reversible</b>
Mounting	<b>Rigid Base</b>	Motor Orientation	<b>Horizontal</b>
Drive End Bearing	<b>Ball</b>	Opp Drive End Bearing	<b>Ball</b>
Frame Material	<b>Cast Iron</b>	Shaft Type	<b>JP</b>
Overall Length	<b>28.90 in</b>	Frame Length	<b>12.20 in</b>
Shaft Diameter	<b>1.249 in</b>	Shaft Extension	<b>8.41 in</b>
Assembly/Box Mounting	<b>F1/F2 Capable</b>		
Outline Drawing	<b>SS620825-256T</b>	Connection Diagram	<b>EE7300</b>

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254T	27.32	YES
256T	28.9	YES
FRAME	C	F1/F2

		TOLERANCES UNLESS SPECIFIED		REGAL REGAL-BELOIT CORPORATION		DRAWN ZKW 25-02-2016
		DEC.	INCHES			CHK WY 25-02-2016
		.X	±.1			APPD ZYH 25-02-2016
		.XX	±.03	TITLE	OUTLINE	SCALE
		.XXX	±.005		254/256T ODP-JP-ROLLED STEEL	REF
		.XXXX	±.0005	MAT'L.		FMF REGAL-WUXI
NO.	REVISION	BY & DATE	CHK	ANG	FINISH	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	SS620825	SIZE B
			DIST			DRAWING NO. SS620825
						REV.

**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**

- L1 WHITE
- L2 RED
- L3 BLACK

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

<b>Regal Beloit America, Inc.</b>	
MATERIAL	PROCESS/FINISH
SIZE <b>A</b>	DRAWING NUMBER <b>EE7300</b>
SHEET <b>1 OF 1</b>	



**P.O. BOX 8003  
WAUSAU, WI 54401-8003  
PH. 715-675-3311**

**CERTIFICATION DATA SHEET**

**CUSTOMER:** CUSTOMER PO #:  
**ORDER #:** MODEL #: 256TTTDBD6013 AA  
**CONN. DIAGRAM:** EE7300 CUSTOMER PART #:  
**OUTLINE:** SS620825-256 MOUNTING: F1/F2 CAPABLE  
**WINDING #:** HE31602016 3

**TYPICAL MOTOR PERFORMANCE DATA**

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN	
25	18.7	3600	3556	2561P	DP	G	B	
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	575	23.8	LINE OR INVERTER	CONTINUOUS	F7	1.15	40

<b>FULL LOAD EFF:</b>	91.7	<b>3/4 LOAD EFF:</b>	92.1	<b>1/2 LOAD EFF:</b>	91.4	<b>GTD. EFF</b>	91	<b>ELEC. TYPE</b>
<b>FULL LOAD PF:</b>	86	<b>3/4 LOAD PF:</b>	81	<b>1/2 LOAD PF:</b>	70.5	<b>SQ CAGE INV RATED</b>		
<b>F.L. TORQUE</b>	<b>LOCKED ROTOR AMPS</b>	<b>L.R. TORQUE</b>	<b>B.D. TORQUE</b>	<b>F.L. RISE°C</b>				
37 LB-FT	140	70 LB-FT	189 %	93 LB-FT	251 %	55		

<b>SOUND PRESSURE @ 3 FT.</b>	<b>SOUND POWER</b>	<b>ROTOR WK^2</b>	<b>MAX. WK^2</b>	<b>SAFE STALL TIME</b>	<b>STARTS / HOUR</b>	<b>APPROX. MOTOR WGT</b>
75 DBA	85 DBA	1.3 LB-FT^2	- LB-FT^2	15 SEC.	2	360 LBS.

**\*\*\* SUPPLEMENTAL INFORMATION \*\*\***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE (ENAMEL)
BEARINGS DE	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL		
BALL BALL	POLYREX EM	JP	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON		
6309	6208							

THERMO-PROTECTORS				THERMISTORS			CONTROL		SPACE HEATERS	
THERMOSTATS	PROTECTORS	WDG RTDS	BRG RTDS	NONE	FALSE	NONE	NONE	NONE	VOLTS	
NONE	NOT	NONE	NONE							
<b>INVERTER TORQUE:</b> VARIABLE 20:1				<b>INV. HP SPEED RANGE:</b> NONE						
<b>ENCODER:</b> NONE				NONE						
<b>O</b> NONE				NONE						
<b>T</b> NONE				PPR						
<b>E</b> NONE				P/N NONE						
<b>S</b> NONE				NONE						
<b>S</b> NONE				FT-LB NONE V NONE HZ						
<b>*</b>										

**PREPARED BY:** Fareeda Dudekula  
**DATE:** 05/04/2018 07:56:27 AM  
**FORM** 3531 REV.3 02/07/99  
 \*\* Subject to change without notice.

**MARATHON ELECTRIC CORPORATION**

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at

575

Volts

HP 25.00

PHASE 3

Model No 256TTDBD6013

60

HZ

VOLTS 575

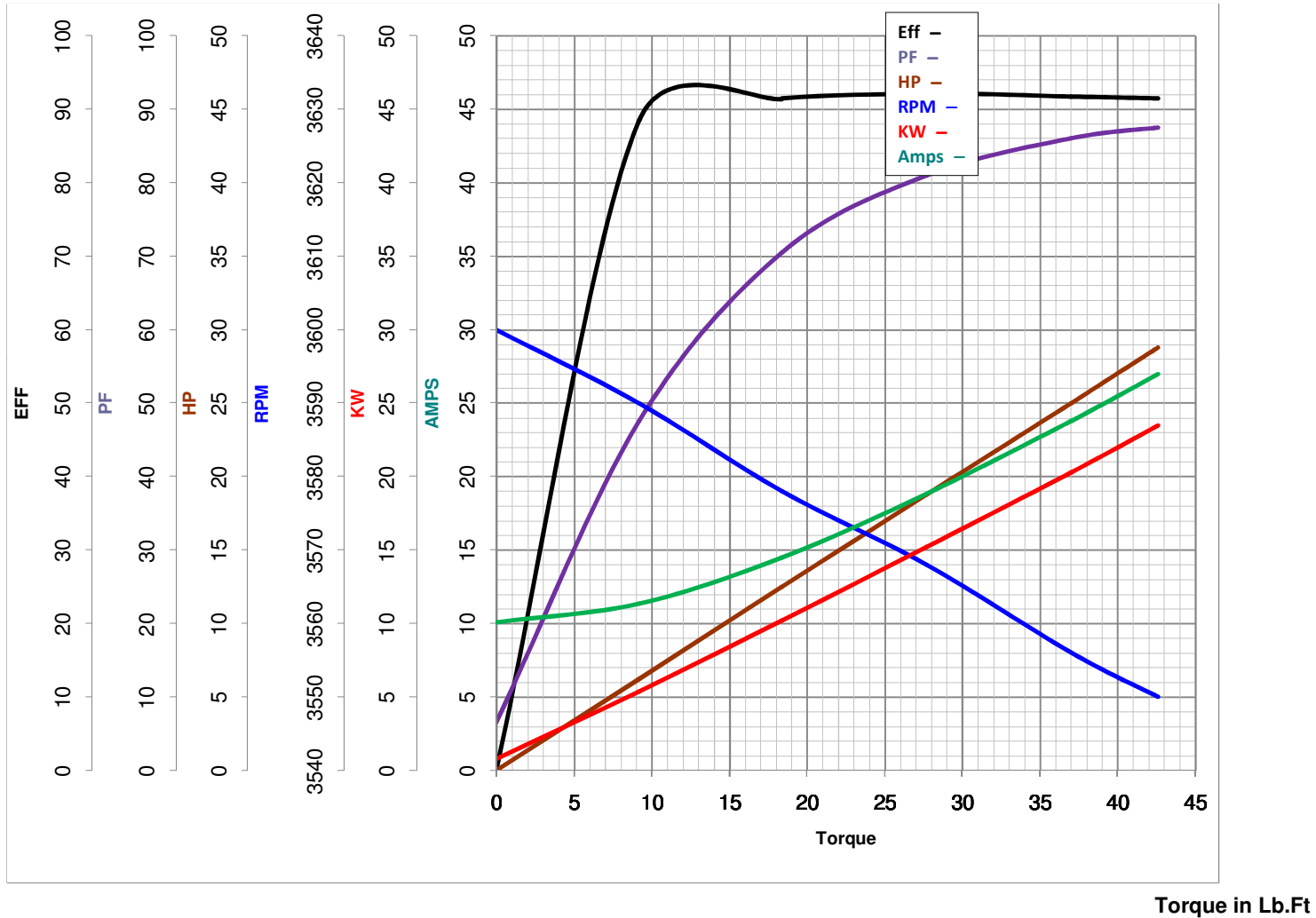
25

HP

Catalog No GT2564

HZ 60

RPM 3556



FL TORQUE 37 Lb.Ft  
 BD TORQUE 93.0 Lb.Ft  
 LR TORQUE 70 Lb.Ft

FL AMPS 23.8  
 PU TORQUE 59.0 Lb.Ft  
 LR AMPS 140

WINDING HE31602016-3 Prepared By FAREEDA

Date 5/4/2018