

# PRODUCT INFORMATION PACKET

Model No: 256TTDBD6038  
Catalog No: GT2562  
20,1800,DP,256JP,3/60/575  
JP



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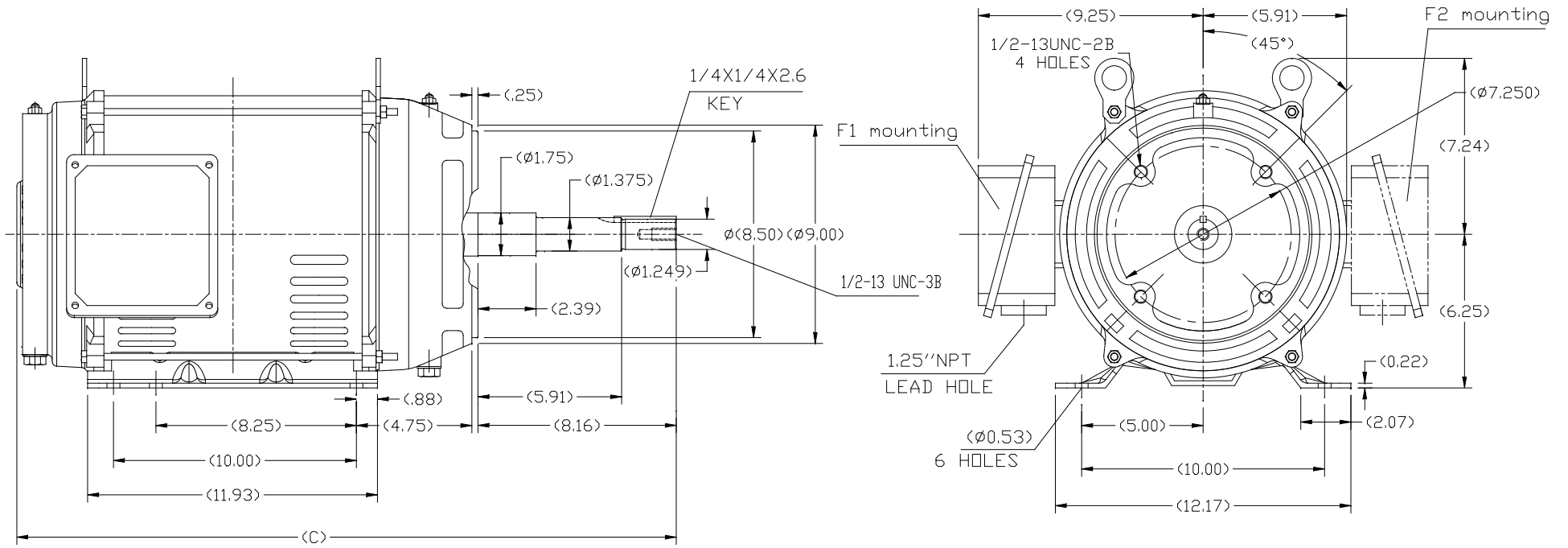
**Nameplate Specifications**

Output HP	<b>20 Hp</b>	Output KW	<b>14.9 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>575 V</b>
Current	<b>19.5 A</b>	Speed	<b>1770 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>3</b>
Efficiency	<b>93 %</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>4</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>Rolled Steel</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 ZXW 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
				DIST		
					SIZE	DRAWING NO.
					B	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>		
		DESCRIPTION <b>CONNECTION DIAGRAM</b> EXTERNAL - SINGLE VOLTAGE - 3Ø MOTOR
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 #: 256TTDDBD6038 AA  
**CONN. DIAGRAM:** EE7300 CUSTOMER PART #:  
**OUTLINE:** SS620825-256 MOUNTING: F1/F2 CAPABLE  
**WINDING #:** HE31604015 3

**TYPICAL MOTOR PERFORMANCE DATA**

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN	
20	14.9	1800	1770	256JP	DP	G	B	
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	575	19.5	LINE OR INVERTER	CONTINUOUS	F7	1.15	40

<b>FULL LOAD EFF:</b>	93	<b>3/4 LOAD EFF:</b>	93	<b>1/2 LOAD EFF:</b>	92.4	<b>GTD. EFF</b>		<b>ELEC. TYPE</b>
<b>FULL LOAD PF:</b>	83.5	<b>3/4 LOAD PF:</b>	79.5	<b>1/2 LOAD PF:</b>	69.5	92.4		SQ CAGE INV RATED
<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>				
59.4 LB-FT	115.2	118 LB-FT	199 %	146 LB-FT	246 %	45		
<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>		
74 DBA	84 DBA	2.8 LB-FT^2	125 LB-FT^2	20 SEC.	2	325 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 ODE	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL		
BALL BALL 6309 6208	POLYREX EM	JP	NONE	NONE	1045 HOT ROLLED (C-204)	ROLLED STEEL		

THERMO-PROTECTORS				THERMISTORS			SPACE HEATERS	
THERMOSTATS	PROTECTORS	WDG RTDS	BRG RTDS	NONE	FALSE	NONE	NONE	VOLTS
NONE	NOT	NONE	NONE					
<b>INVERTER</b>								
TORQUE: CONSTANT 2:1/VARIABLE 20:1								
INV. HP SPEED RANGE: NONE								
<b>ENCODER:</b> NONE								
NONE NONE NONE PPR								
<b>BRAKE:</b> NONE NONE NONE P/N NONE NONE NONE FT-LB NONE V NONE HZ								

**PREPARED BY:** Anusha Muthyala  
**DATE:** 05/04/2018 12:32:33 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 20.00

PHASE 3

Model No 256TTDBD6038

60

HZ

VOLTS 575

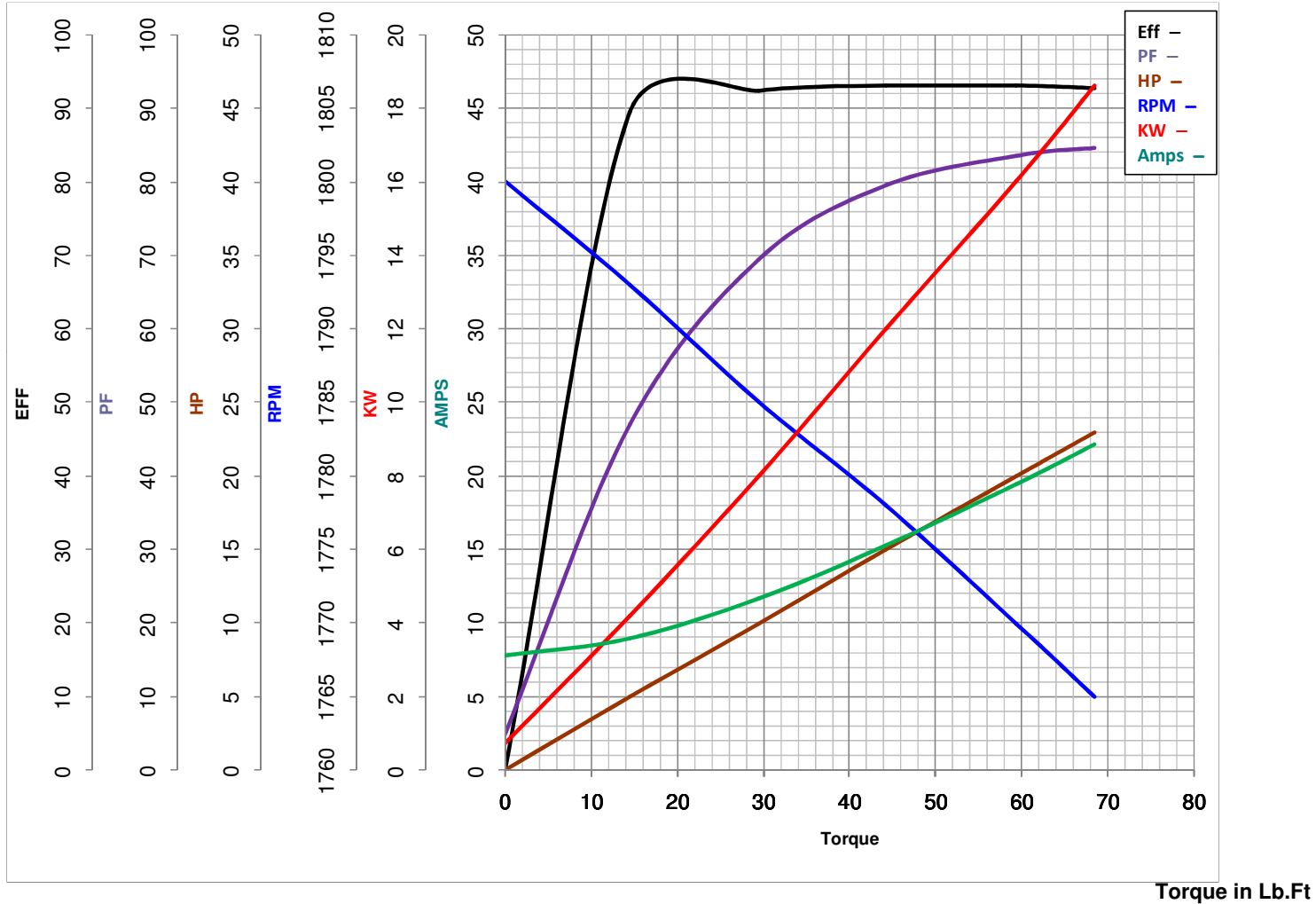
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HP

Catalog No GT2562

HZ 60

RPM 1770



Torque in Lb.Ft

FL TORQUE 59.4 Lb.Ft  
 BD TORQUE 146.0 Lb.Ft  
 LR TORQUE 118 Lb.Ft

FL AMPS 19.5  
 PU TORQUE 98.0 Lb.Ft  
 LR AMPS 115.2

WINDING HE31604015-3

Prepared By

ANUSHA M

Date

5/4/2018