

# PRODUCT INFORMATION PACKET

**marathon®**  
Motors

Model No: 256TTDBD6008

Catalog No: GT0564

25 HP Close-Coupled Pump Motor, 3 phase, 3600 RPM, 575 V, 256JM Frame, ODP

Close-Coupled Pump Motors



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**RegalRexnord**

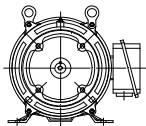
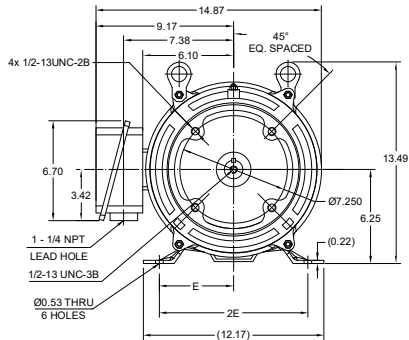
### Nameplate Specifications

Output HP	25 Hp	Output KW	18.7 kW
Frequency	60 Hz	Voltage	575 V
Current	23.8 A	Speed	3556 rpm
Service Factor	1.15	Phase	3
Efficiency	91.7 %	Power Factor	86
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	256JM	Enclosure	Drip Proof
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6208
UL	Recognized	CSA	Y
CE	Y	IP Code	22
Number of Speeds	1		

### Technical Specifications



Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Selective Clockwise
Resistance Main	.4758 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	JM	Overall Length	25.99 in
Frame Length	12.20 in	Shaft Diameter	1.249 in
Shaft Extension	5.5 in	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	VARIABLE 10:1		
Connection Drawing	EE7300	Outline Drawing	SS620822-200





DRAWING REVISION C	REVISION BY VS	REV DATE & DATE
ECO	APPROVED BY GNK	DATE 08-03-2021
CR-0001300		
ECO DESCRIPTION	DRAWING UPDATED	
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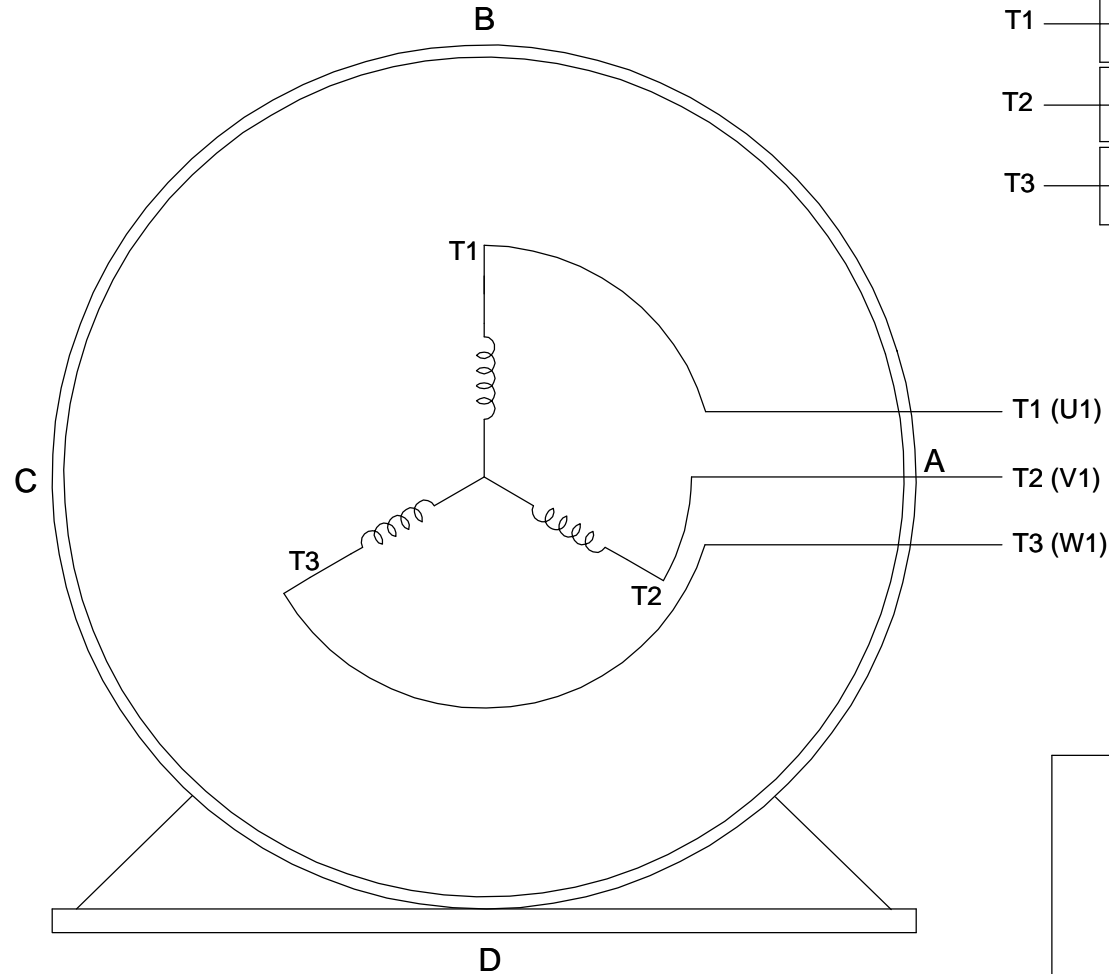
PRIMARY DIMENSIONS ARE INCH  
mm DIMENSIONS IN [BRACKETS]  
ARE FOR REFERENCE ONLY

DRAWN BY VS		 Regal Beloit America, Inc.	
DATE 12-02-2021		DESCRIPTION  OUTLINE 254/256JM FR NEMA ODP RS	
APPROVED BY GNK			
DATE 12-02-2021			
REFERENCE	MATERIAL	PROCESS/FINISH	
THIRD ANGLE PROJECTION 	SIZE B	DRAWING NUMBER SS620822	SHEET 1 OF 1

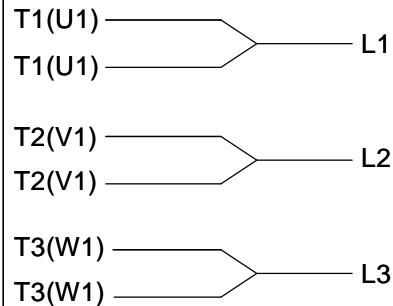
# THREE PHASE - SINGLE VOLTAGE MOTOR - CONDUIT BOX @ 'A'

TO REVERSE ROTATION:  
INTERCHANGE ANY TWO  
LINE LEAD CONNECTIONS.

## TERMINAL BLOCK WHEN SPECIFIED



### IF MOTOR HAS 6 LEADS



A-9806 DECAL

### OPTIONAL CORD CONNECTION



### VIEW OF TERMINAL END

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

**CERTIFICATION DATA SHEET****CUSTOMER:****CUSTOMER PO#:****ORDER #:****MODEL #:** 256TTDBD6008 AA**CONN. DIAGRAM:** EE7300**CUSTOMER PART****#:****OUTLINE:** SS620822-256**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	256JM	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>		<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	91		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>
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 \*\*\***

<b>DE BRACKET TYPE</b>	<b>ODE BRACKET TYPE</b>	<b>MOUNT TYPE</b>	<b>ORIENTATION</b>	<b>SEVERE DUTY</b>	<b>HAZARDOUS LOCATION</b>	<b>DRIP COVER</b>	<b>SCREENS</b>	<b>PAINT</b>
C-FACE	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE (ENAMEL)

<b>BEARINGS</b>		<b>GREASE</b>	<b>SHAFT TYPE</b>	<b>SPECIAL DE</b>	<b>SPECIAL ODE</b>	<b>SHAFT MATERIAL</b>	<b>FRAME MATERIAL</b>
<b>DE</b>	<b>ODE</b>						
BALL	BALL	POLYREX EM	JM	NONE	NONE	1045 HOT ROLLED (C-204)	ROLLED STEEL
6309	6208						

<b>THERMO-PROTECTORS</b>				<b>THERMISTORS</b>	<b>CONTROL</b>	<b>SPACE HEATERS</b>
<b>THERMOSTATS</b>	<b>PROTECTORS</b>	<b>WDG RTDs</b>	<b>BRG RTDs</b>			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

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**INVERTER TORQUE:** VARIABLE 20:1**INV. HP SPEED RANGE:** NONE**ENCODER:** NONE

NONE NONE

NONE NONE PPR

**BRAKE:** NONE NONE

NONE P/N NONE

NONE NONE

NONE FT-LB NONE V NONE Hz

**PREPARED BY:** Anusha Muthyala**DATE:** 05/04/2018 12:30:39 AM

FORM 3531 REV.3 02/07/99

\*\* Subject to change without notice.

