

PRODUCT INFORMATION PACKET

Model No: 256TTDCA6033
Catalog No: GT0525
20,1800,DP,256JM,3/60/575
JM



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Nameplate Specifications

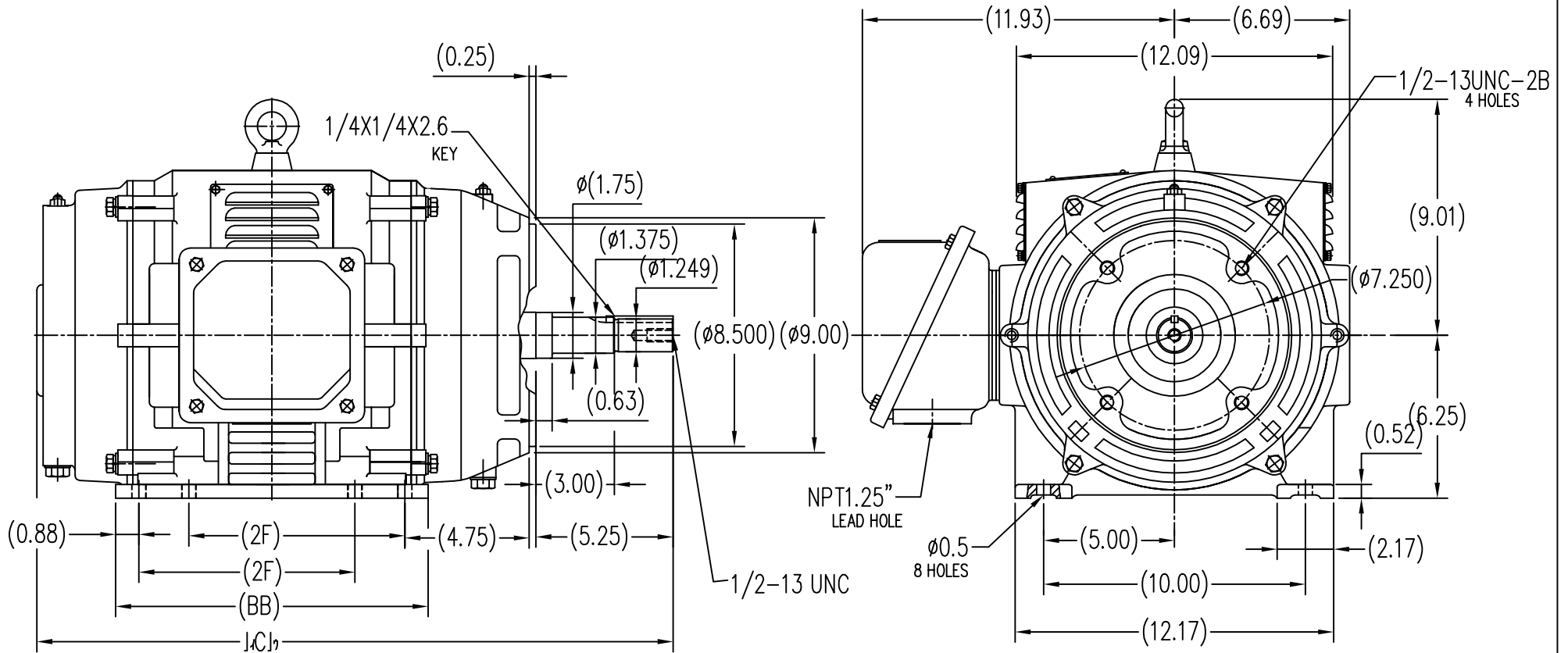
Output HP	20 Hp	Output KW	14.9 kW
Frequency	60 Hz	Voltage	575 V
Current	19.5 A	Speed	1768 rpm
Service Factor	1.15	Phase	3
Efficiency	93 %	Duty	CONTINUOUS
Insulation Class	F	Design Code	B
KVA Code	F	Frame	256JM
Enclosure	DP	Overload Protector	NOT
Ambient Temperature	40 °C	Drive End Bearing Size	6309
Opp Drive End Bearing Size	6208	UL	Recognized
CSA	Y	CE	Y
IP Code	22		

Technical Specifications

Electrical Type	SQ CAGE INV RATED	Starting Method	LINE OR INVERTER
Poles	4	Rotation	REV
Mounting	RIGID	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	CAST IRON	Shaft Type	JM
Overall Length	25.99 in	Shaft Diameter	1.25 in
Shaft Extension	5.25 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	B-SS620313	Connection Diagram	A-EE7300

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SS620313



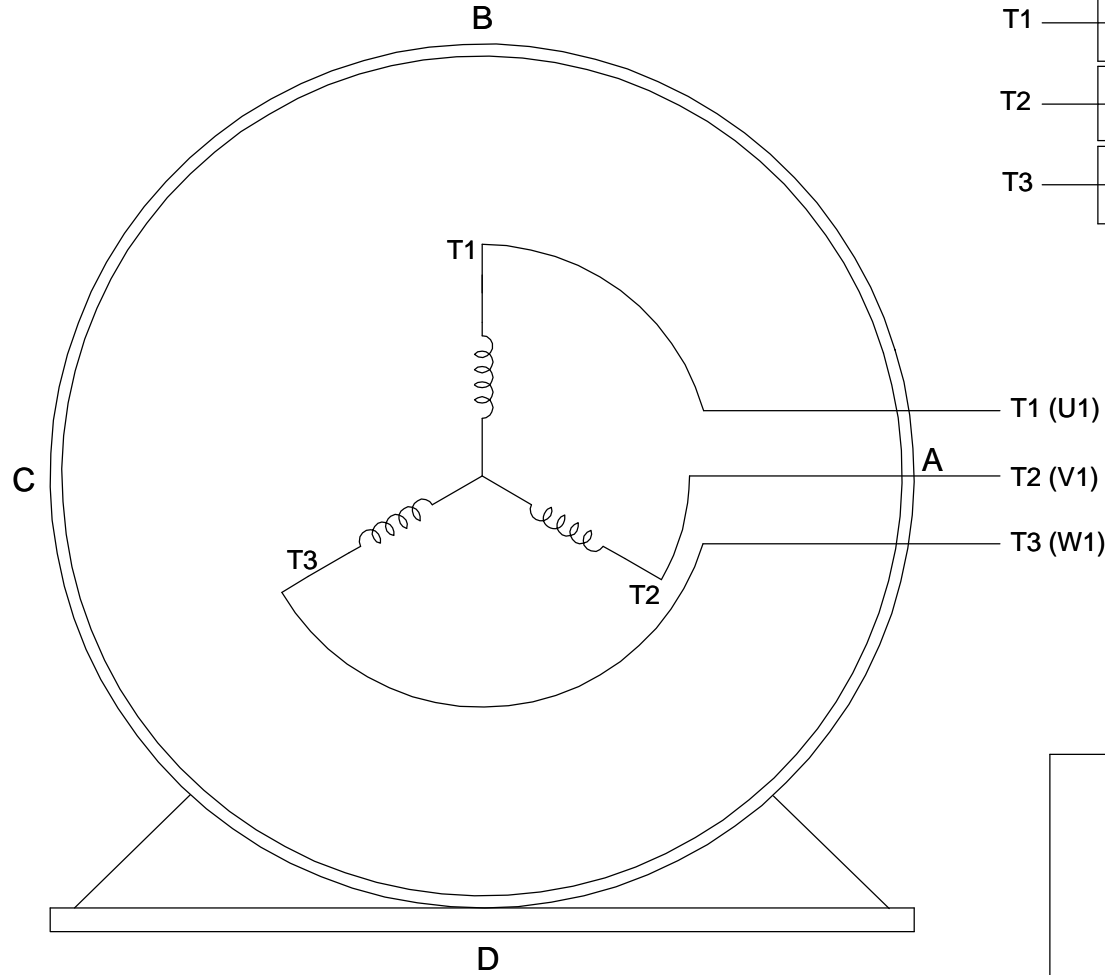
254T	8.25	12.00	24.41
256T	10.00	13.59	25.99
FRAME	2F	BB	C

TOLERANCES UNLESS SPECIFIED		REGAL-BELOIT CORPORATION		DRAWN ZYH 6-8-2010	
DEC.	INCHES	CHK	HZJ 6-8-2010	APPD	CL 6-8-2010
.X	±.1	TITLE	OUTLINE	SCALE	1=6
.XX	±.03	254/256T FR-JM-CAST IRON		REF	
.XXX	±.005	MAT'L.		FMF	HWADA
.XXXX	±.0005	FINISH		PREV	
ND.	REVISION	BY & DATE	CHK	ANG	±1/2
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	JM 254-256
			DIST	SIZE	B
			DRAWING NO.		SS620313
			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 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

CERTIFICATION DATA SHEET

Model#: 256TTDCA6033 AA WINDING#: CHT25640002 NONE 3
 CONN. DIAGRAM: A-EE7300 ASSEMBLY: F1/F2 CAPABLE
 OUTLINE: B-SS620313

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
20	14.9	1800	1768	256JM	DP	F	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	575	19.5	LINE OR INVERTER	CONTINUOUS	F7	1.15	40	3300

FULL LOAD EFF: 93	3/4 LOAD EFF: 93	1/2 LOAD EFF: 92.4	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 83	3/4 LOAD PF: 79	1/2 LOAD PF: 70	92.4	SQ CAGE INV RATED	7.6

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
59.2 LB-FT	112	125 LB-FT 210	170 LB-FT 285	45

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
74 dBA	84 dBA	3 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		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL	POLYREX EM	JM	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
6309	6208						

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

If Inverter equals NONE, contact factory for further information

INVERTER TORQUE: VARIABLE 10:1
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

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DATE: 06/23/2017 05:21:59 AM
 FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.

Data Sheet

256TTDCA6033



Submittal
Data @ 575 V

Date: 6/19/2017

Customer: _____
Attention: _____
Submitted by: FAREEDA DUDEKULA

Motor Load Data

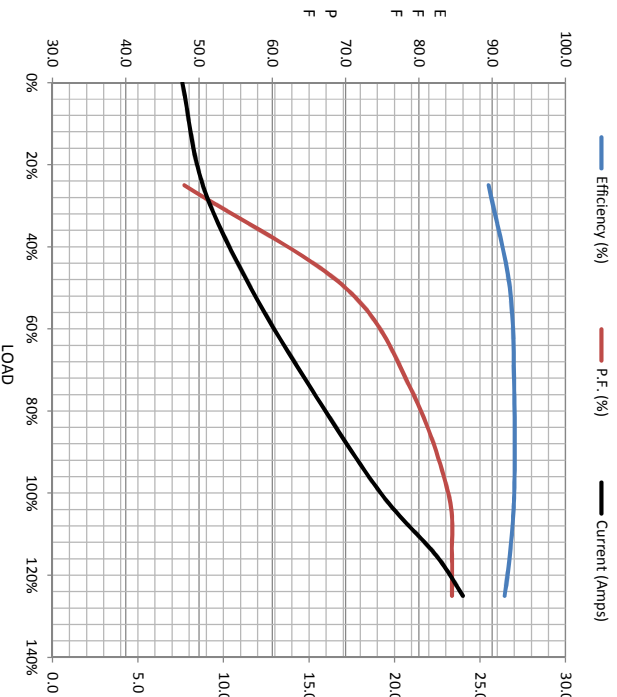
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	7.6	8.8	11.6	15.2	19.2	22.4	24.0	112
Torque (ft-lb)	0.00	14.5	29.5	44.0	59.2	68.5	74.5	125
RPM	1800	1792	1785	1778	1770	1765	1760	0
Efficiency (%)		89.5	92.4	93.0	93.0	92.4	91.7	
P.F. (%)	5.0	48.0	70.0	79.0	84.0	84.5	84.5	42.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (rpm)	0	900	1625	1770	1800
Current (Amps)	112	100	70.4	19.2	7.6
Torque (ft-lb)	125	100	170	59.2	0.00

Information Block

HP	20.0			
Sync. RPM	1800			
Frame	256			
Enclosure	DP			
Construction	TDC			
Voltage	575 V			
Frequency	60 Hz			
Design	B			
LR Code letter	F			
Service Factor	1.15			
Temp Rise @ FL	45 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ^e	3.0 Lb-Fe			
Rel Wdg	CHT25640002 NONE			
Sound Pressure @ 1M	74 dBA			
VFD Rating	VARIABLE 10:1			
Outline Dwg	B-SS620313			
Conn. Diag	A-EE7300			
Additional Specifications:				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.4440	0.3000	1.3760	2.2850	43.8200



Speed - Torque Curve

