PRODUCT INFORMATION PACKET

Model No: 256TTDBD6085
Catalog No: GT2458
10,1200,DP,256JP,3/60/230/460
JP

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Product Information Packet: Model No: 256TTDBD6085, Catalog No:GT2458 10,1200,DP,256JP,3/60/230/460

Nameplate Specifications

Output HP	**10 Hp**	Output KW	**7.5 kW**
Frequency	**60 Hz**	Voltage	**230/460 V**
Current	**25.6/12.8 A**	Speed	**1182 rpm**
Service Factor	**1.15**	Phase	**3**
Efficiency	**91.7 %**	Duty	**Continous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**H**	Frame	**256JPV**
Enclosure	**Drip Proof**	Overload Protector	**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**		

Technical Specifications

Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Line Or Inverter**
Poles	**6**	Rotation	**Reversible**
Mounting	**Rigid Base**	Motor Orientation	**Horizontal Or Shaft Down**
Drive End Bearing	**Ball**	Opp Drive End Bearing	**Ball**
Frame Material	**Rolled Steel**	Shaft Type	**JP**
Overall Length	**28.90 in**	Frame Length	**12.20 in**
Shaft Diameter	**1.249 in**	Shaft Extension	**8.41 in**
Assembly/Box Mounting	**F1/F2 Capable**		
Outline Drawing	**SS620825-256T**	Connection Diagram	**EE7308K**

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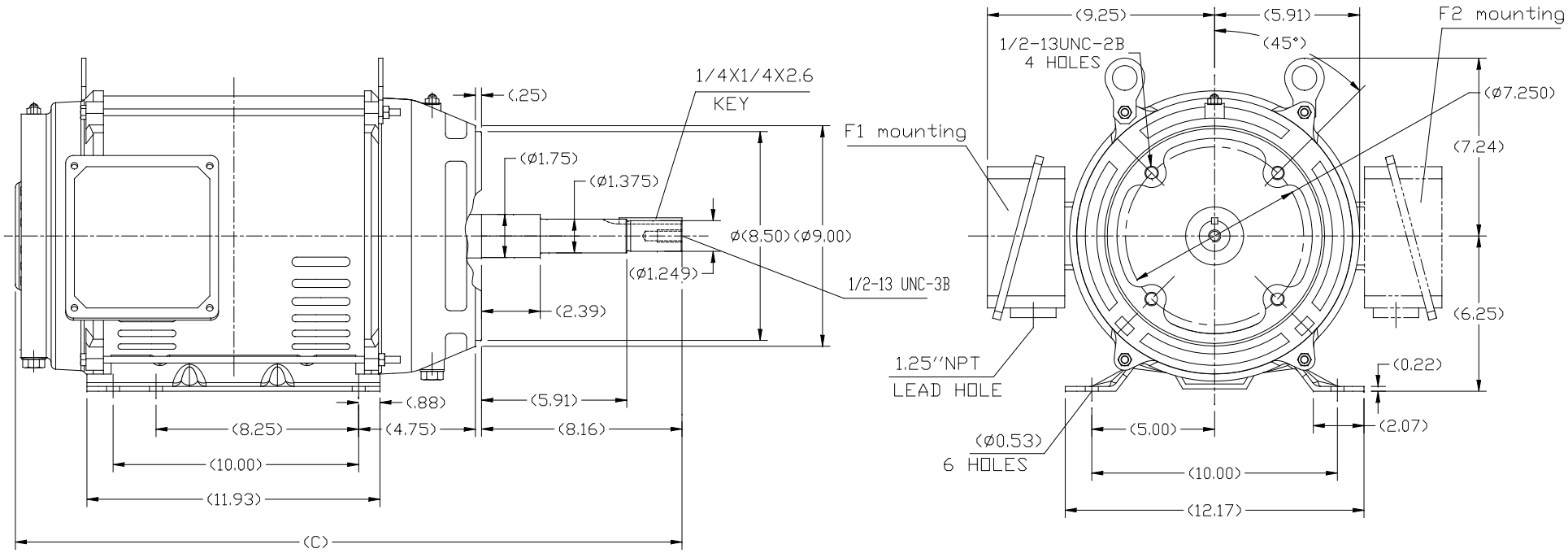
SS620825



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

NO.	REVISION	BY & DATE	CHK

TOLERANCES UNLESS SPECIFIED

DEC.	INCHES
.X	±.1
.XX	±.03
.XXX	±.005
.XXXX	±.0005
ANG	±1/2°

REGAL REGAL-BELOIT CORPORATION

TITLE: OUTLINE
254/256T ODP-JP-ROLLED STEEL

MAT'L.

FINISH

CAD FILE: SS620825

RFP

DIST

DRAWN ZXW 25-02-2016
CHK WY 25-02-2016
APPD ZYH 25-02-2016
SCALE
REF
FMF REGAL-WUXI
PREV

SIZE: B
DRAWING NO.: SS620825
REV.

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EE7308K

LOW VOLTAGE

T1(U1)
T6(W2)
T7(U3) — L1

T2(V1)
T4(U2)
T8(V3) — L2

T3(W1)
T5(V2)
T9(W3) — L3

HIGH VOLTAGE

T1(U1) — L1

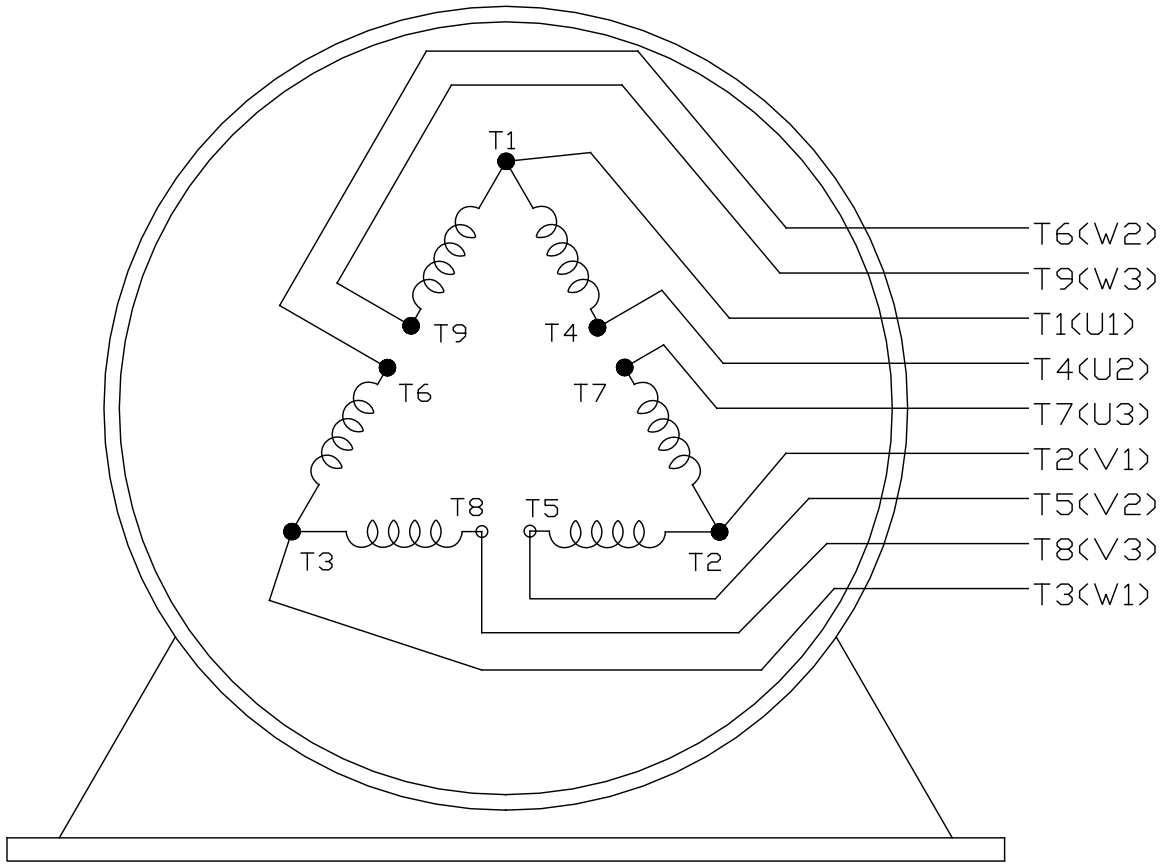
T4(U2)
T7(U3)

T2(V1) — L2

T5(V2)
T8(V3)

T3(W1) — L3

T6(W2)
T9(W3)



VIEW OF TERMINAL END

NO.	REVISION	BY & DATE	CHK
E	CORRECTED IEC MARKINGS ECO-0111208	WGJ 01-23-2017	EMH
D	RE-DRAWN WITH REGAL LOGO ECO-0110493	WGJ 09-30-2016	EMH
8	ADDED IEC DESIGNATIONS MU95020	TJW 4/30/2010	MJS
7	REVISD HIGH VOLTAGE L2 WAS L3 CN52600-354	MRB 09-21-1998	
6	REDRAWN ON CADD	PGK 06-05-1997	

TOLERANCES UNLESS SPECIFIED

DEC.	INCHES
.X	±.1
.XX	±.02
.XXX	±.005
.XXXX	±.0005
ANG	±7'30"

REGAL - BELOIT CORPORATION

TITLE: CONNECTION DIAGRAM
DELTA CON. - 3Ø - 9 LEADS

MAT'L.
FINISH
CAD FILE EE7308K
RFP
DIST

DRAWN PGK 06-04-1997
CHK ML 06-05-1997
APPD GK 06-15-1997
SCALE
REF
FMF
PREV

SIZE A | DRAWING NO. EE7308K | PAGE OF | REV. E

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WAUSAU, WI 54401-8003
PH. 715-675-3311

CERTIFICATION DATA SHEET

CUSTOMER:

CUSTOMER PO#:

ORDER #:

MODEL #: 256TTDBD6085 AA

CONN. DIAGRAM: EE7308K

CUSTOMER PART #:

OUTLINE: SS620825-256

MOUNTING: F1/F2 CAPABLE

WINDING #: HE31606008 2

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
10&7 1/2	7.50&5.60	1200	1182&982	256JPV	DP	H	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	25.6/12.8&24.4/12.2	LINE OR INVERTER	CONTINUOUS	F7	1.15/1.15	40

FULL LOAD EFF:	91.7&91	3/4 LOAD EFF:	91.7	1/2 LOAD EFF:	90.2	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	80&79	3/4 LOAD PF:	74.5	1/2 LOAD PF:	63	91	SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
44.5 LB-FT	160 / 80	93 LB-FT 209 %	113 LB-FT 254 %	40

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
62 dBA	72 dBA	2.9 LB-FT^2	200 LB-FT^2	15 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 OR SHAFT DOWN	FALSE	NONE	FALSE	NONE	BLUE (ENAMEL)

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

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

*** N O T E S**

INVERTER
TORQUE: CONSTANT 2:1/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

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PREPARED BY: Fareeda Dudekula
DATE: 05/04/2018 09:02:17 AM
FORM 3531 REV.3 02/07/99
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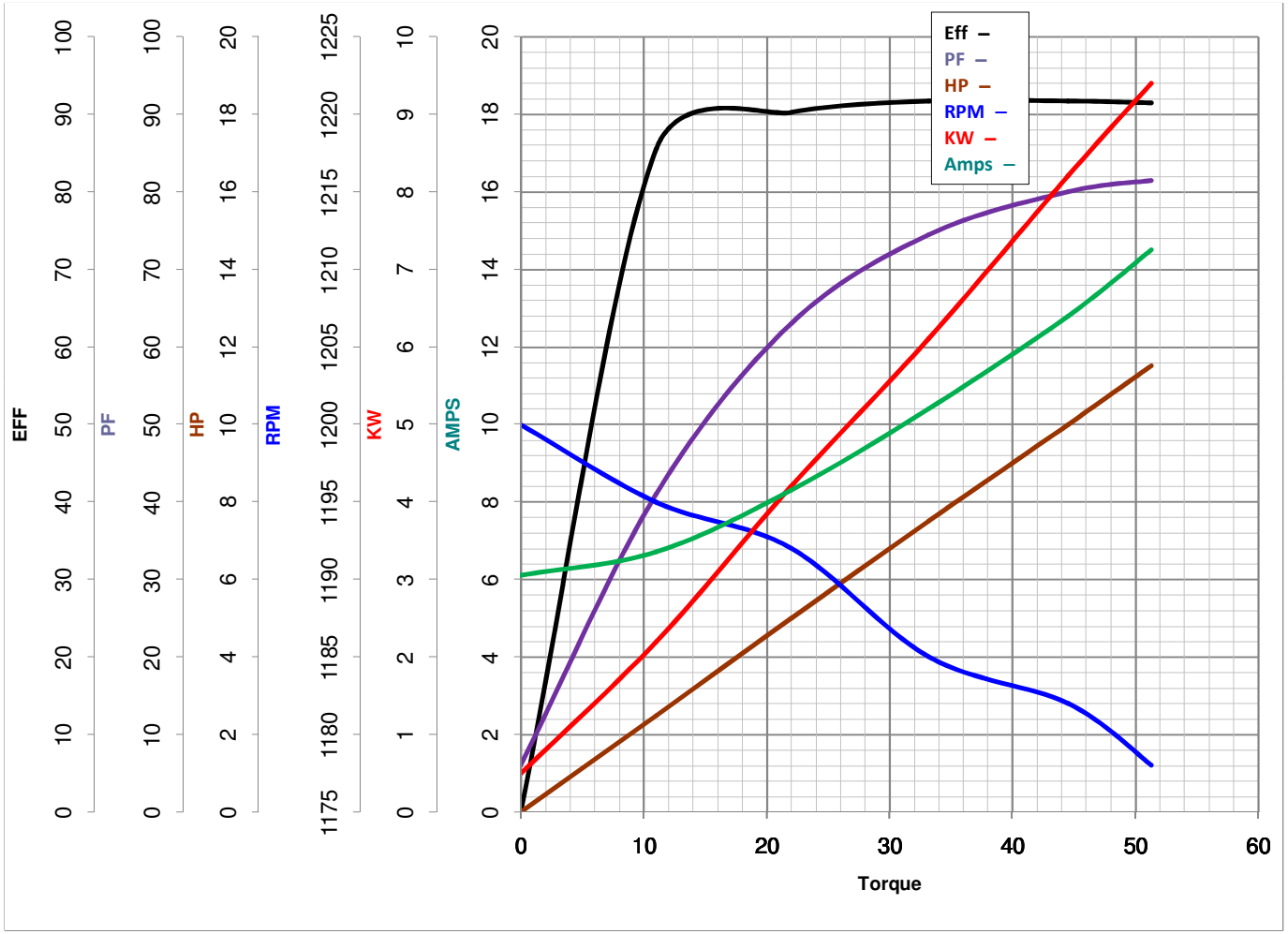
MARATHON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at 460 **Volts** **HP** 10&7.5 **PHASE** 3
60 **HZ**
Model No 256TTDBD6085 10 **HP** **VOLTS** 230/460&190/380

Catalog No GT2458 **HZ** 60&50 **RPM** 1182&982



Torque in Lb.Ft

FL TORQUE	44.5	**Lb.Ft**		**FL AMPS**	25.6/12.8	
BD TORQUE	113.0	**Lb.Ft**		**PU TORQUE**	78.0	**Lb.Ft**
LR TORQUE	93	**Lb.Ft**		**LR AMPS**	80	
WINDING	HE31606008-2	**Prepared By**	FAREEDA		**Date**	5/4/2018