PRODUCT INFORMATION PACKET

Model No: 080T17FH15327
Catalog No: R313A
1,1800,TEFC,80,3/60/230/460
TEFC

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Nameplate Specifications

Output HP	**1 Hp**	Output KW	**0.75 kW**
Frequency	**60 Hz**	Voltage	**230/460 V**
Current	**3.0/1.5 A**	Speed	**1740 rpm**
Service Factor	**1.15**	Phase	**3**
Efficiency	**85.5 %**	Duty	**Continous**
Insulation Class	**F**	Design Code	**NO DESIGN CODE**
KVA Code	**J**	Frame	**8D0**
Enclosure	**Totally Enclosed Fan Cooled**	Overload Protector	**No**
Ambient Temperature	**40 °C**	Drive End Bearing Size	**6204**
Opp Drive End Bearing Size	**6204**	UL	**Recognized**
CSA	**Y**	CE	**Y**
IP Code	**55**		

Technical Specifications

Electrical Type	**Squirrel Cage Induction Run**	Starting Method	**Across The Line**
Poles	**4**	Rotation	**Reversible**
Mounting	**Rigid base**	Motor Orientation	**Horizontal**
Drive End Bearing	**Ball**	Opp Drive End Bearing	**Ball**
Frame Material	**Aluminum**	Shaft Type	**IEC**
Overall Length	**11.88 in**	Shaft Diameter	**0.750 in**
Shaft Extension	**1.57 in**	Assembly/Box Mounting	**F3**
Outline Drawing	**039071-R313A**	Connection Diagram	**00546501ME**

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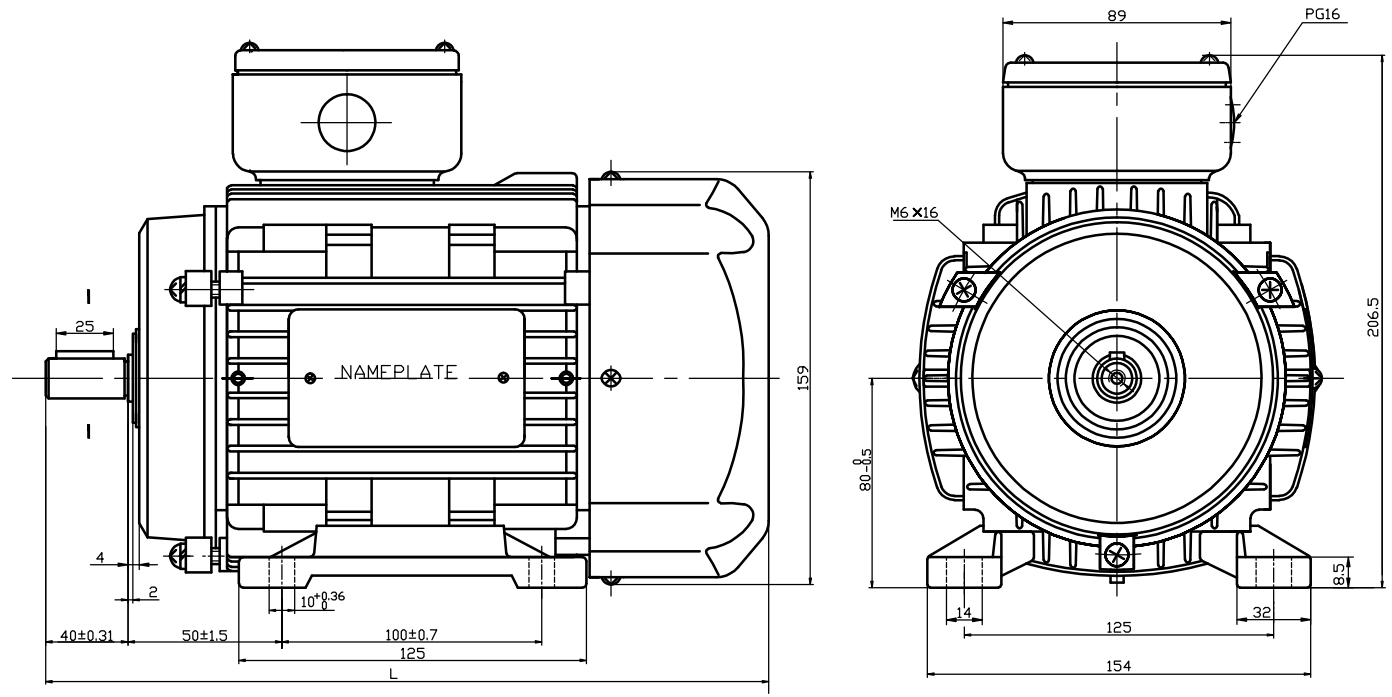

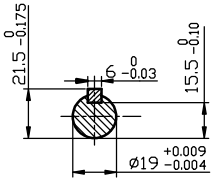

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TOLERANCES UNLESS OTHERWISE SPECIFIED

DEC.	INCHES	METRIC
.X	±.1	±2.5
.XX	±.03	±.76
.XXX	±.005	±.127
.XXXX	±.0005	±.0127
FRACTIONS	±1/64	
ANGLES	±1/2'	

REGAL BELOIT CORP.

DRAWN WX 16/12/01
APPR.
R.F.P.
SCALE
REF.
FMF

OUTLINE

MAT'L.

FINISH SMC

REV.

DRAWING NO. 039071

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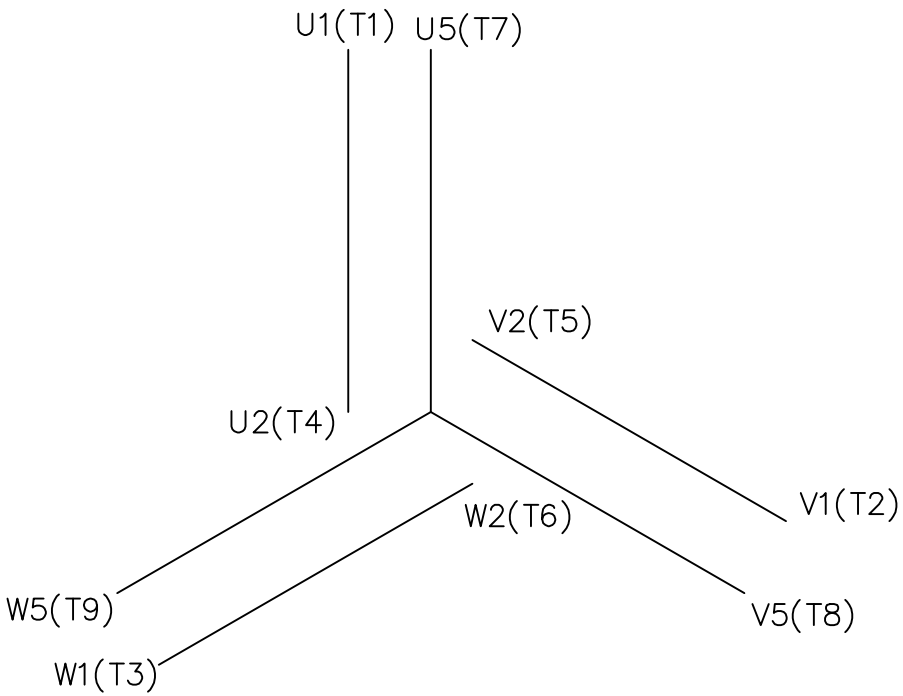
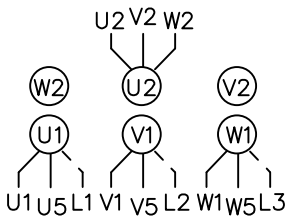
005465ME–01



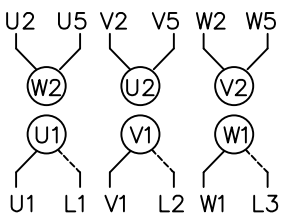
REF. DECAL (IEC) 080644
REF. DECAL (NEMA) 080446

IEC MARKINGS

LOW VOLTAGE



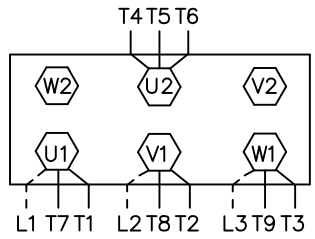
HIGH VOLTAGE



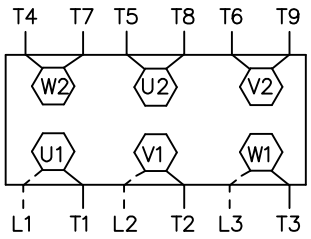
LINE VOLTAGE	L1	L2	L3	JOIN		
TERMINAL	U1	V1	W1	W2	U2	V2
LOW	U1,U5	V1,V5	W1,W5	---	U2,V2,W2	---
HIGH	U1	V1	W1	U2,U5	V2,V5	W2,W5

NEMA MARKINGS

LOW VOLTAGE



HIGH VOLTAGE



LINE VOLTAGE	L1	L2	L3	JOIN		
TERMINAL	U1	V1	W1	W2	U2	V2
LOW	T1, T7	T2, T8	T3, T9	---	T4,T5,T6	---
HIGH	T1	T2	T3	T4, T7	T5, T8	T6, T9

NO.	REVISION	BY & DATE	CHK

TOLERANCES UNLESS SPECIFIED

DEC.	INCHES
.X	±.1
.XX	±.01
.XXX	±.005
.XXXX	±.0005
ANG	±1/2°

MARATHON ELECTRIC

TITLE EXTERNAL WIRING DIAGRAM
3 PHASE – DUAL VOLTAGE – W/TERM BLOCK

MAT'L. IEC/NEMA MARKINGS

FINISH

CAD FILE 00546501ME

RFP 02–17–2010

DIST

DRAWN JGO 3/10/04
CHK SB 02–17–2010
APPD MJS 02–17–2010
SCALE 1=1
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SIZE A
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CERTIFICATION DATA SHEET

Model#:	80T17FH15327 A	**WINDING#:**	QT8047 FR 3
CONN. DIAGRAM:	00546501ME	**ASSEMBLY:**	F3
OUTLINE:	039071		

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1&1	.75&.75	1800	1740&1420	D80	TEFC	J	NO DESIGN CODE

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#200/400	3.0/1.5&3.4/1.7	ACROSS THE LINE	CONTINUOUS	F5	1.15/1.15	40	3300

FULL LOAD EFF: 85.5&82.5	3/4 LOAD EFF: 84.9	1/2 LOAD EFF: 85.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 72&73	3/4 LOAD PF: 68	1/2 LOAD PF: 55.6	0	SQ CAGE IND RUN	1.7 / .9

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
3 LB-FT	19.8 / 9.9	8.5 LB-FT 283	10 LB-FT 333	0

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.63 LB-FT^2	0 LB-FT^2	0 SEC.	0	0 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	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	STANDARD IEC	NONE	NONE	AISI 1045 (C-240)	ALUMINUM
6204	6204						

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: NONE
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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