

PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 444TTDN16078
Catalog No: M747
100,1200,DP,444HPV,3/60/230/460
Vertical Pump



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REGAL

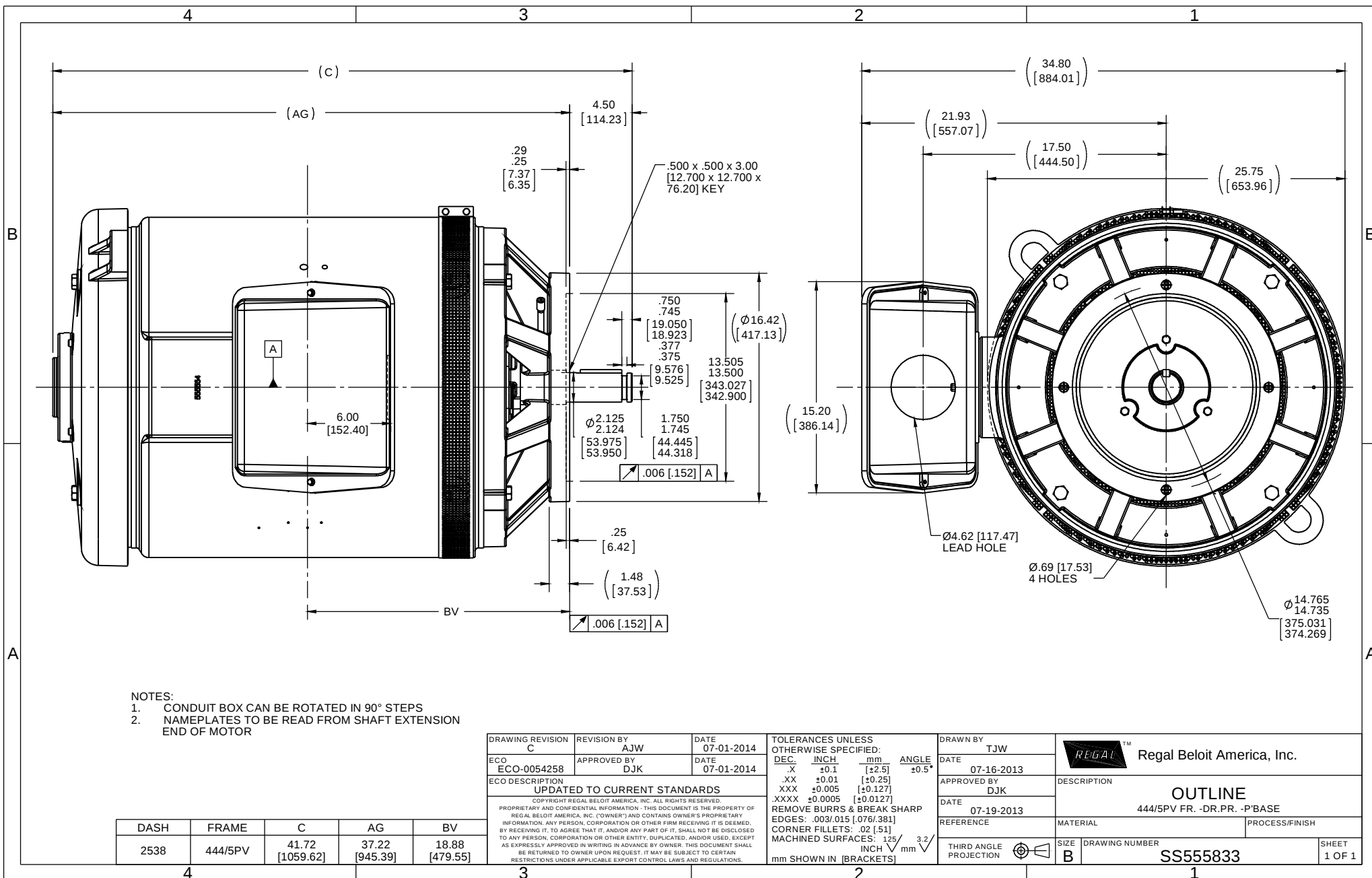


Nameplate Specifications

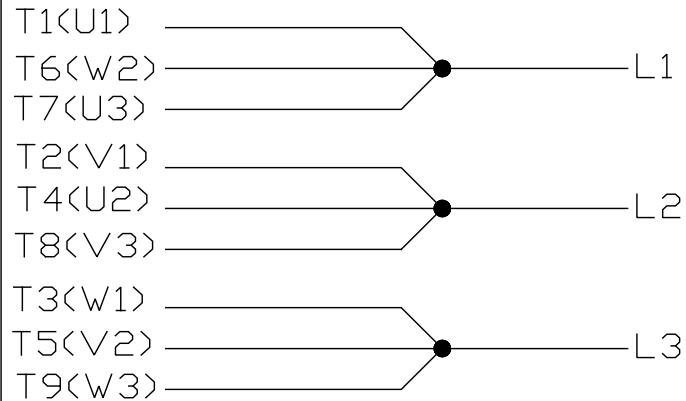
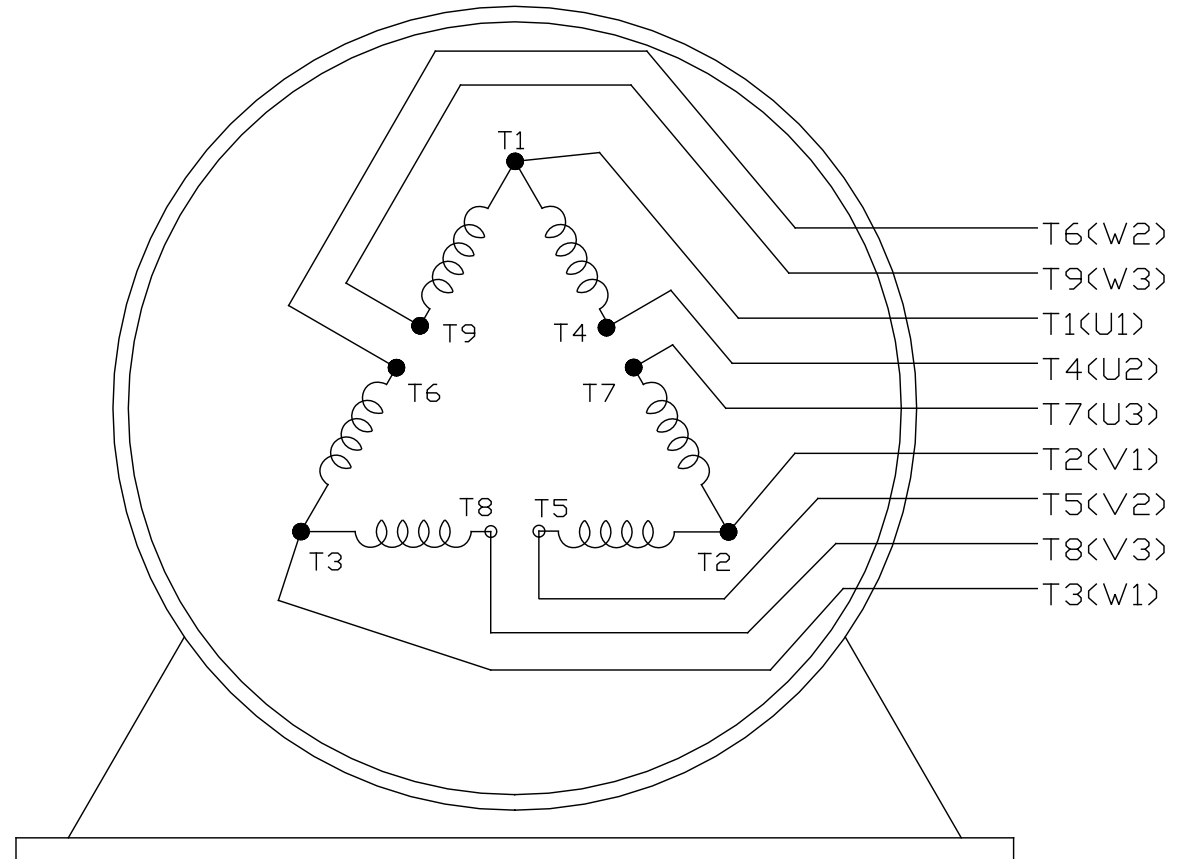
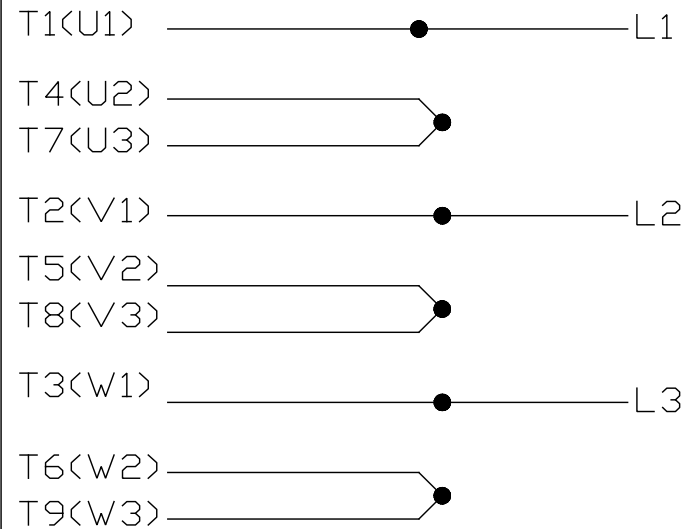
Output HP	100 Hp	Output KW	75 kW
Frequency	60 Hz	Voltage	230/460 V
Current	246/123 A	Speed	1190 rpm
Service Factor	1.15	Phase	3
Efficiency	94 %	Duty	CONTINUOUS
Insulation Class	F	Design Code	B
KVA Code	G	Frame	444HPV
Enclosure	DP	Overload Protector	NOT
Ambient Temperature	40 °C	Drive End Bearing Size	6318
Opp Drive End Bearing Size	6316	UL	Recognized
CSA	Y	CE	Y
IP Code	12		

Technical Specifications

Electrical Type	SQ CAGE IND RUN	Starting Method	ACROSS THE LINE
Poles	6	Rotation	REV
Mounting	ROUND	Motor Orientation	SHAFT DOWN
Drive End Bearing	BALL	Opp Drive End Bearing	DOUBLE ANGULAR CONTACT
Frame Material	CAST IRON	Shaft Type	HP
Overall Length	41.72 in	Frame Length	25.38 in
Shaft Diameter	2.13 in	Shaft Extension	4.5 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	B-SS555833-2538	Connection Diagram	A-EE7308K



EE7308K

LOW VOLTAGEHIGH VOLTAGE

VIEW OF TERMINAL END

			TOLERANCES UNLESS SPECIFIED			 REGAL - BELOIT CORPORATION	DRAWN PGK 06-04-1997		
NO.	REVISION	BY & DATE	CHK	ANG	± 7'30"		CHK	ML	06-05-1997
E	CORRECTED IEC MARKINGS ECD-0111208	WGJ 01-23-2017	EMH	DEC.	INCHES				
D	RE-DRAWN WITH REGAL LOGO ECD-0110493	WGJ 09-30-2016	EMH	.X	± .1				
8	ADDED IEC DESIGNATIONS MU95020	TJW 4/30/2010	MJS	.XX	± .02	TITLE			SCALE
7	REVISED HIGH VOLTAGE L2 WAS L3 CN52600-354	MRB 09-21-1998		.XXX	± .005	DELTA CON. - 3Ø - 9 LEADS			REF
6	REDRAWN ON CADD	PGK 06-05-1997		.XXXX	± .0005	MAT'L.			FMF
						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 EE7308K		SIZE
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CERTIFICATION DATA SHEET

Model#:444TTDN16078 AA

WINDING#:T4446118 NONE 1

CONN. DIAGRAM:A-EE7308K

ASSEMBLY:F1/F2 CAPABLE

OUTLINE:B-SS555833-2538

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
100	75	1200	1190	444HPV	DP	G	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	230/460	246/123	ACROSS THE LINE	CONTINUOUS	F1	1.15	40	3300

FULL LOAD EFF: 94	3/4 LOAD EFF: 95	1/2 LOAD EFF: 94.1	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 80	3/4 LOAD PF: 75	1/2 LOAD PF: 64	94.5	SQ CAGE IND RUN	106 / 53

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
442 LB-FT	1450 / 725	750 LB-FT 168	1100 LB-FT 248	50

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
76 dBA	86 dBA	55 LB-FT^2	1700 LB-FT^2	20 SEC.	2	1600 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
P-BASE	STANDARD	ROUND	SHAFT DOWN	FALSE	NONE	TRUE	NONE	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	DOUBLE ANGULAR CONTACT						
6318	6316	POLYREX EM	HP	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON

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

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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