

PRODUCT INFORMATION PACKET



Model No: 445TTDN16002
Catalog No: M761
250,3600,DP,445HP,3/60/460
Vertical Pump



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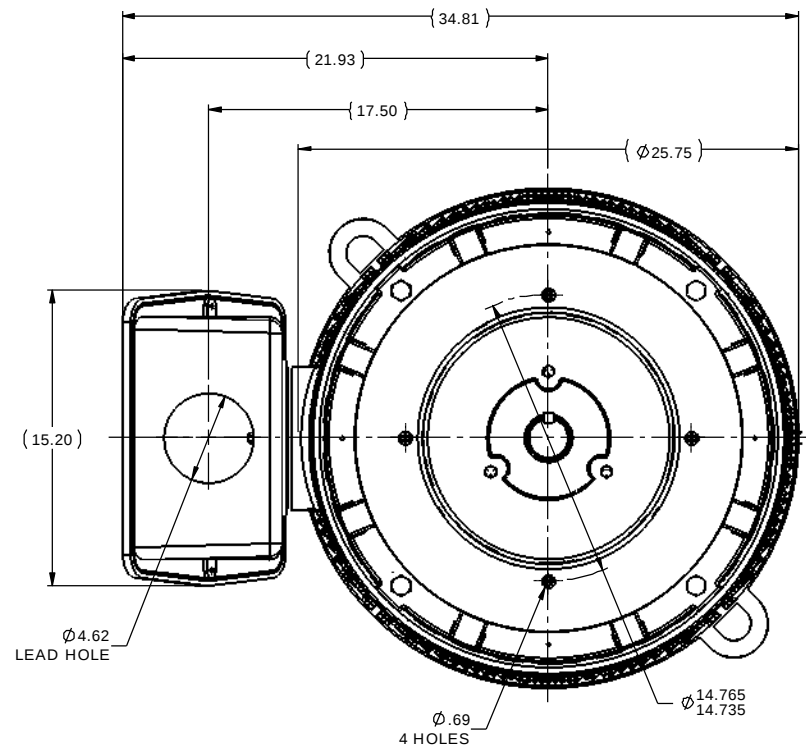
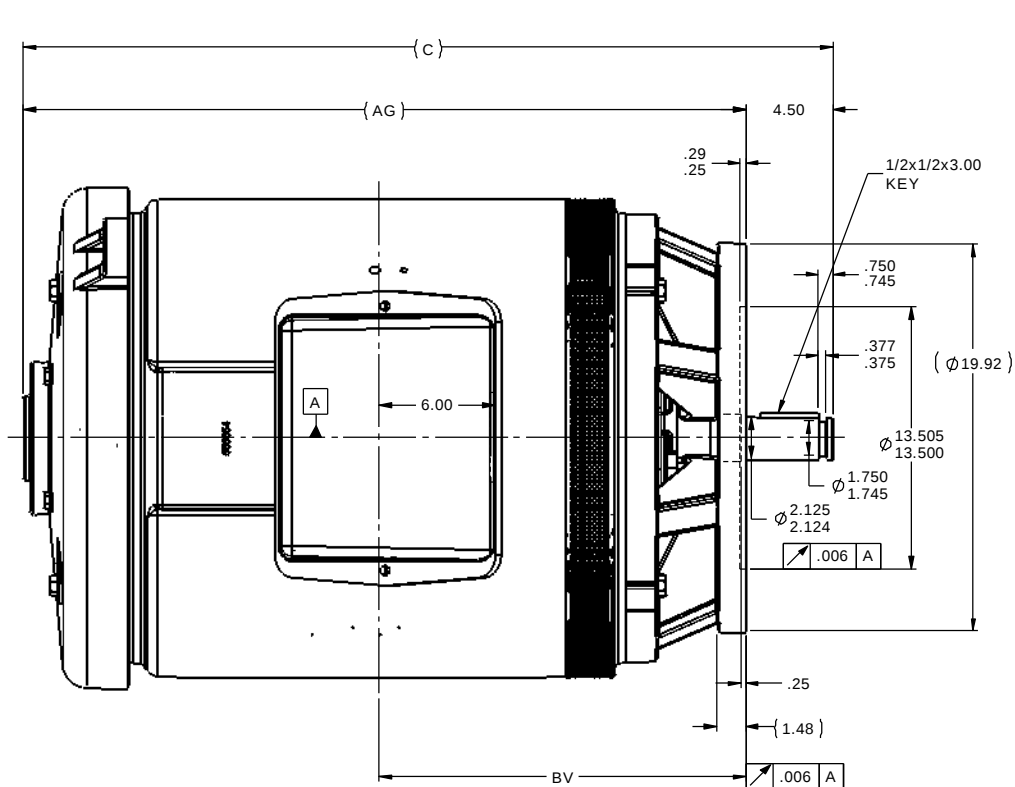
Nameplate Specifications

Output HP	250 Hp	Output KW	187.0 kW
Frequency	60 Hz	Voltage	460 V
Current	275.0 A	Speed	3570 rpm
Service Factor	1.15	Phase	3
Efficiency	95.4 %	Duty	Continous
Insulation Class	F	Design Code	B
KVA Code	G	Frame	445HPV
Enclosure	Drip Proof	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6313
Opp Drive End Bearing Size	7313 2	UL	Recognized
CSA	Y	CE	Y
IP Code	22		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Mounting	Round	Motor Orientation	Shaft Down
Drive End Bearing	Ball	Opp Drive End Bearing	Duplex Tandem Angular Contact
Frame Material	Cast Iron	Shaft Type	HP
Overall Length	41.72 in	Shaft Diameter	3.375 in
Shaft Extension	4.5 in	Assembly/Box Mounting	F1/F2 Capable
Outline Drawing	B-SS555828-2538	Connection Diagram	A-EE7300U

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NOTES:

1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS.
2. NAMEPLATES TO BE READ FROM SHAFT EXTENSION END OF MOTOR.

DASH	FRAME	C	AG	BV	
2538	444/5PV	41.72	37.22	18.88	

TOLERANCES UNLESS SPECIFIED				marathon [®] electric		DRAWN TJW 7/15/2013	
DEC	INCHES			CHK MH 7/26/2013		APPR DJK 7/26/2013	
X	±.1			SCALE 5:32		REF SS555756	
XX	±.03			TITLE OUTLINE - SCREENS		FMF MU114116	
XXX	±.005			444/5PV FR. - DR.PR. - P'BASE		PAGE OF	
XXXX	±.0005			MAT'L		REV	
NO	REVISION	BY & DATE	CHK ANG ±7°30"	FINISH	SIZE B	DRAWING NO SS555828	REV
THIRD ANGLE PROJECTION				NETWORK FILE NAME SS555828			

IF MOTOR HAS 9 LEADS



IF MOTOR HAS 6 LEADS



A-9806 DECAL IF CALLED FOR

IF MOTOR HAS 12 LEADS



VIEW OF TERMINAL END

DRAWING REVISION L	REVISION BY AJW	DATE 05-04-2015	TOLERANCES UNLESS OTHERWISE SPECIFIED: DEC. INCH. mm ANGLE .X ±0.1 [±2.5] ±7' 30" .XX ±0.02 [±0.51] XXX ±0.005 [±0.127] .XXXX ±0.0005 [±0.0127] REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [076/.381] X 45° CORNER FILLETS: R.02 [.51] MACHINED SURFACES: 200 INCH 5.1 mm mm SHOWN IN [BRACKETS]		DRAWN BY DRS	REGAL™ Regal Beloit America, Inc.	
ECO ECO-0077067	APPROVED BY EWH	DATE 05-05-2015			DATE 09-27-1996	DESCRIPTION	
ECO DESCRIPTION UPDATED TO SOLIDWORKS			APPROVED BY GK		CONN DIAGRAM-EXTERNAL 3Ø SINDLE VOLTAGE		
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			THIRD ANGLE PROJECTION		SIZE A	DRAWING NUMBER EE7300U	

CERTIFICATION DATA SHEET

Model#: 445TTDN16002 AA **WINDING#:** T445294 NONE 2
CONN. DIAGRAM: A-EE7300U **ASSEMBLY:** F1/F2 CAPABLE
OUTLINE: B-SS555828-2538

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
250	187	3600	3570	445HPV	DP	G	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	460	275	ACROSS THE LINE	CONTINUOUS	F1	1.15	40	3300

FULL LOAD EFF: 95.4	3/4 LOAD EFF: 95.4	1/2 LOAD EFF: 95	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 89	3/4 LOAD PF: 87	1/2 LOAD PF: 82	94.5	SQ CAGE IND RUN	72

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
368 LB-FT	1800	550 LB-FT 150	1000 LB-FT 272	65

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
84 dBA	94 dBA	29 LB-FT^2	- LB-FT^2	10 SEC.	-	1900 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	RODENT	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	DUPLEX TANDEM ANGULAR CONTACT	POLYREX EM	HP	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
6313	7313 2						

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

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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

DATE: 06/21/2017 05:39:03 AM
FORM 3531 REV.3 02/07/99

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