

PRODUCT INFORMATION PACKET

Model No: 364TTDS16009
Catalog No: M741
75,3600,DP,364HPV,3/60/230/460YD
Vertical Solid Shaft P-Base



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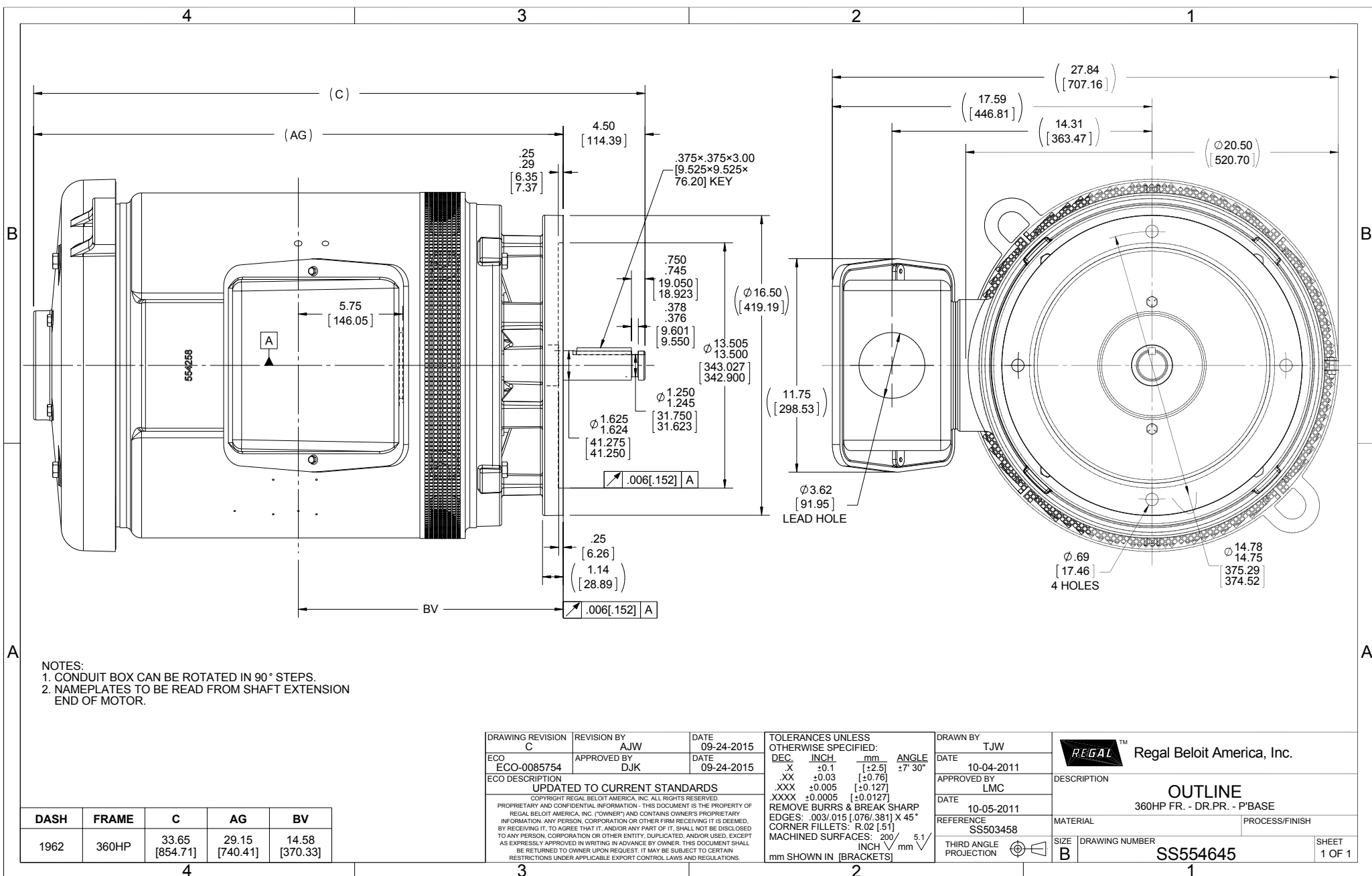


Nameplate Specifications

Output HP	75 Hp	Output KW	56.0 kW
Frequency	60 Hz	Voltage	230/460 V
Current	170.0/85.0 A	Speed	3560 rpm
Service Factor	1.15	Phase	3
Efficiency	94.5 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	G	Frame	364HPV
Enclosure	Drip Proof	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6312
Opp Drive End Bearing Size	7312 2	UL	Recognized
CSA	Y	CE	Y
IP Code	22		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Part Wdg Start Low Volt Only & Wye Start Delta Run
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	33.65 in	Frame Length	19.62 in
Shaft Diameter	1.625 in	Shaft Extension	4.5 in
Assembly/Box Mounting	F1/F2 Capable		
Outline Drawing	B-SS554645-1962	Connection Diagram	A-EE7308AA



- 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
1962	360HP	33.65 [854.71]	29.15 [740.41]	14.58 [370.33]

DRAWING REVISION C	REVISION BY AJW	DATE 09-24-2015
ECO ECO-0085754	APPROVED BY DJK	DATE 09-24-2015
ECO DESCRIPTION UPDATED TO CURRENT STANDARDS		
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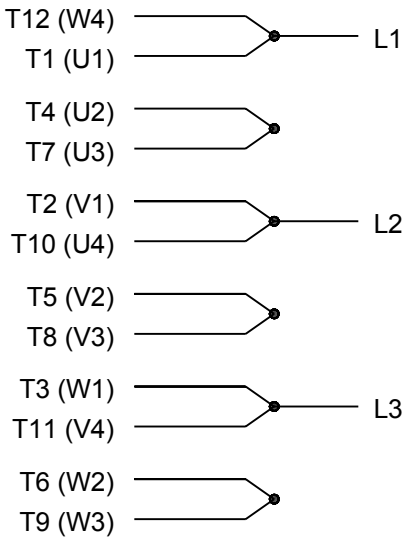
TOLERANCES UNLESS OTHERWISE SPECIFIED:		
DEC.	INCH	mm
.X	+0.1	[+2.5]
.XX	+0.03	[+0.76]
.XXX	+0.005	[+0.127]
.XXXX	+0.0005	[+0.0127]
REMOVE BURRS & BREAK SHARP		
EDGES: .003/.015 [0.076/.381] X 45°		
CORNER FILLETS: R.02 [51]		
MACHINED SURFACES: 200 ^{5.1} INCH / mm		
mm SHOWN IN [BRACKETS]		

DRAWN BY TJW
DATE 10-04-2011
APPROVED BY LMC
DATE 10-05-2011
REFERENCE SS503458
THIRD ANGLE PROJECTION

Regal Beloit America, Inc.	
DESCRIPTION OUTLINE 360HP FR. - DR.PR. - P'BASE	
MATERIAL	PROCESS/FINISH
SIZE B	DRAWING NUMBER SS554645
SHEET 1 OF 1	



LOW VOLTAGE

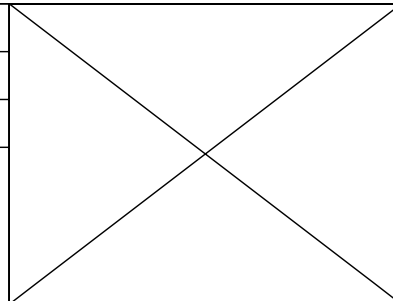


HIGH VOLTAGE



VIEW OF TERMINAL END

DRAWING REVISION K	REVISION BY AJW	DATE 07-17-2015
ECO ECO-0081632	APPROVED BY T. VUE	DATE 07-17-2015
ECO DESCRIPTION REV'D IEC MARKINGS PER IEC 60034-8		
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DRAWN BY LZ	Regal Beloit America, Inc.	
DATE 01-12-1994		
APPROVED BY GK	DESCRIPTION CONN DIAGRAM-EXTERNAL 3Ø-2/1 DELTA-12 LEADS	
DATE 01-14-1994		
REFERENCE	MATERIAL	PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE A	DRAWING NUMBER EE7308AA
		SHEET 1 OF 1

CERTIFICATION DATA SHEET

Model#: 364TTDS16009 AN **WINDING#:** T364243 NONE 1
CONN. DIAGRAM: A-EE7308AA **ASSEMBLY:** F1/F2 CAPABLE
OUTLINE: B-SS554645-1962

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
75&60	56&45	3600	3560&2960	364HPV	DP	G	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/ 380	170/85&162/8 1	PWS(LV ONLY) & YDRUN	CONTINUOUS	F1	1.15/1.15	40	3300

FULL LOAD EFF: 94.5&95.4	3/4 LOAD EFF: 95	1/2 LOAD EFF: 95	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 87&87	3/4 LOAD PF: 84	1/2 LOAD PF: 77	94.1	SQ CAGE IND RUN	50 / 25

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
111 LB-FT	1084 / 542	170 LB-FT 153	309 LB-FT 278	30

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
80 dBA	90 dBA	7.3 LB-FT^2	- LB-FT^2	15 SEC.	2	750 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
6312	7312 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

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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DATE: 06/21/2017 08:10:03 AM

FORM 3531 REV.3 02/07/99

** Subject to change without notice.

Data Sheet

364TTDS16009



Submittal
Data @ 460 V

Date: 6/19/2017

Customer:
Attention:
Submitted by: FAREEDA DUDEKULA

Motor Load Data

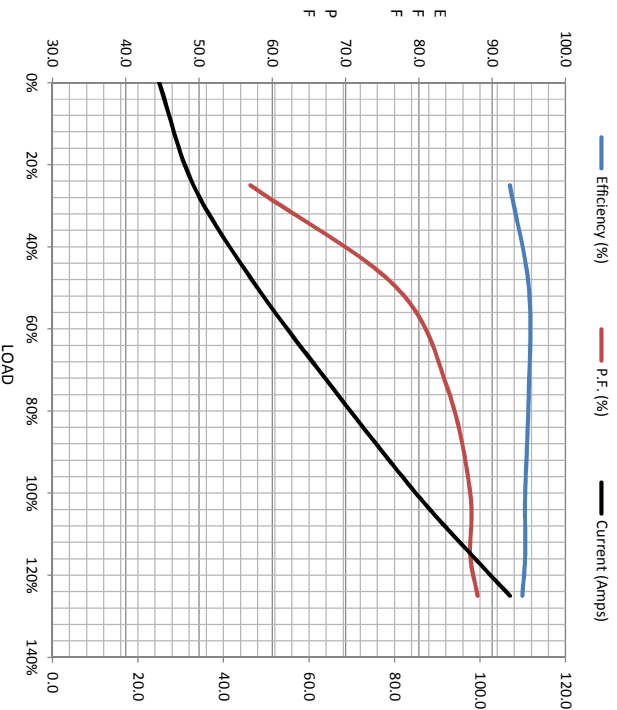
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	25.0	33.0	48.0	66.0	85.0	98.0	107	542
Torque (ft-lb)	0.00	27.0	55.0	83.0	111	127	139	170
RPM	3600	3590	3580	3570	3560	3550	3545	0
Efficiency (%)		92.4	95.0	95.0	94.5	94.5	94.1	
P.F. (%)	6.0	57.0	77.0	84.0	87.0	87.0	88.0	32.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (rpm)	0	1800	3330	3660	3600
Current (Amps)	542	520	337	85.0	25.0
Torque (ft-lb)	170	166	309	111	0.00

Information Block

HP	75.0			
Sync. RPM	3600			
Frame	364			
Enclosure	DP			
Construction	TDS			
Voltage	30/460#190/38 V			
Frequency	60 Hz			
Design	A			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	30 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wkt	7.3 Lb-Fe			
Ret Wdg	T364243 NONE			
Sound Pressure @ 1M	80 dbA			
VFD Rating	NONE			
Outline Dwg	B-SS554645-1962			
Conn. Diag	A-EET308AA			
Additional Specifications:				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0510	0.0370	0.3330	0.2880	10.5540



Speed -Torque Curve

