

PRODUCT INFORMATION PACKET

Model No: 364THFCD9036

Catalog No: W587A

60 HP, Severe Duty Motors, 3 phase, 1800 RPM, 460 V, 364T Frame, TEFC
Other Severe Duty Motors



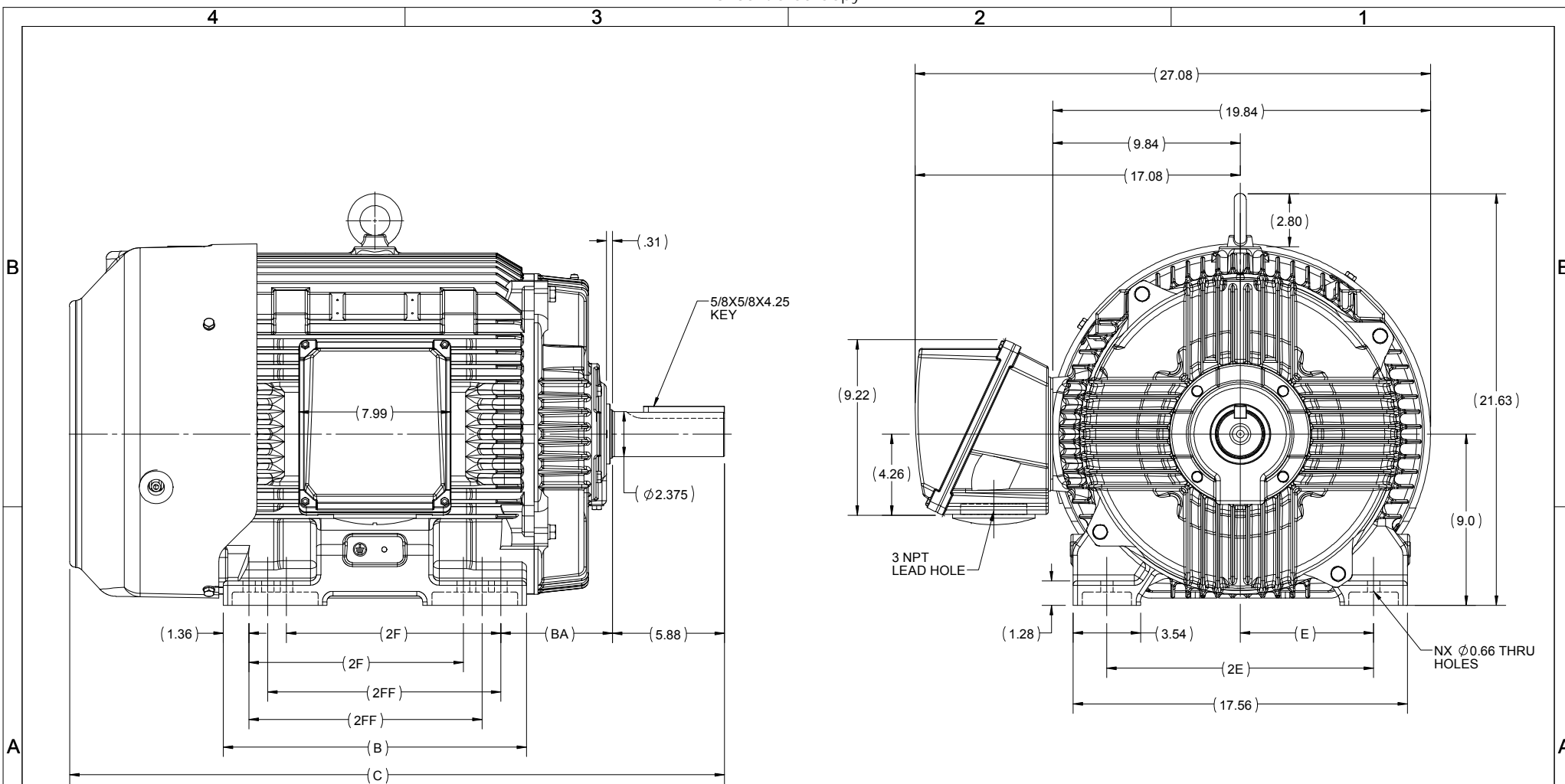
Nameplate Specifications

Output HP	60 Hp	Output KW	45.0 kW
Frequency	60 Hz	Voltage	460 V
Current	69.0 A	Speed	1782 rpm
Service Factor	1.15	Phase	3
Efficiency	95 %	Power Factor	85.5
Duty	Continuous	Insulation Class	H
Design Code	B	KVA Code	G
Frame	364T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6313	Opp Drive End Bearing Size	6213
UL	Listed	CSA	Y
CE	Y	IP Code	56
Hazardous Location	DIVISION 2 T2B		

Technical Specifications


Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Selective Clockwise
Resistance Main	.103 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Shaft Diameter	2.375 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Connection Drawing	EE7300U	Outline Drawing	SS557662-364T

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364/365T	15.94	34.40	12.25	11.25	5.88	7.00	14.00	12	F1 OR F2
364T	14.96	33.42	11.25	-				8	F1 OR F2
FRAME	B	C	2FF	2F	BA	E	2E	N	MOUNTING

DRAWING REVISION B	REVISION BY BISWA	DATE 25/01/2018
ECO ECO-0160791	APPROVED BY SBD	DATE 25/01/2018
ECO DESCRIPTION DRAWING UPDATED		
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DRAWN BY BISWA	 Regal Beloit America, Inc.
DATE 01/10/2018	
APPROVED BY SBD	DESCRIPTION OUTLINE 364/365T FR-NEMA-SD & IEEEE841
DATE 01/10/2018	MATERIAL
REFERENCE	PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE B
	DRAWING NUMBER SS557662
	SHEET 1 OF 1

4 3 2 1

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:	DRAWN BY DRS	Regal Beloit America, Inc.																			
ECO ECO-0077067	APPROVED BY EWH	DATE 05-05-2015	<table style="font-size: small; border-collapse: collapse;"> <tr> <td><u>DEC.</u></td> <td><u>INCH</u></td> <td><u>mm</u></td> <td><u>ANGLE</u></td> </tr> <tr> <td>.X</td> <td>±0.1</td> <td>[±2.5]</td> <td>±7' 30"</td> </tr> <tr> <td>.XX</td> <td>±0.02</td> <td>[±0.51]</td> <td></td> </tr> <tr> <td>.XXX</td> <td>±0.005</td> <td>[±0.127]</td> <td></td> </tr> <tr> <td>.XXXX</td> <td>±0.0005</td> <td>[±0.0127]</td> <td></td> </tr> </table>	<u>DEC.</u>		<u>INCH</u>	<u>mm</u>	<u>ANGLE</u>	.X	±0.1	[±2.5]	±7' 30"	.XX	±0.02	[±0.51]		.XXX	±0.005	[±0.127]		.XXXX	±0.0005	[±0.0127]	
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ECO DESCRIPTION UPDATED TO SOLIDWORKS			REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381] X 45° CORNER FILLETS: R.02 [.51] MACHINED SURFACES: 200 $\sqrt{\text{INCH}}$ 5.1 $\sqrt{\text{mm}}$ mm SHOWN IN [BRACKETS]	APPROVED BY GK	DESCRIPTION CONN DIAGRAM-EXTERNAL 3Ø SINDLE VOLTAGE																			
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				REFERENCE	SIZE A	DRAWING NUMBER EE7300U	SHEET 1 OF 1																	



DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: EE7300U
 OUTLINE: SS557662-364T
 WINDING: HE32254010 NONE 1

REFERENCE MODEL #: 364THFCD9036
 CAT #: W587A

MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
60	45	1800	1782	364T	TEFC	TFC	G	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB (° C)	ELEV.(Ft)
3	60	460	69	LINE OR INVERTER	CONT	H	1.15	40	3300

F.L. EFF	95.0	3/4 LD EFF	95.4	1/2 LD EFF	95.0	GTD EFF	ELECT. TYPE
F.L. PF	85.5	3/4 LD PF	83.0	1/2 LD PF	75.5	94.5	SQ CAGE INV RATED

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (° C)
177 LB-FT	435	354 LB-FT 200%	451 LB-FT 255%	55

SOUND PRESSURE @	SOUND	ROTOR WK ²	MAX. LOAD WK ²	SAFE STALL TIME	STARTS/HOUR	APROX.
72 dBA	81 dBA	17.2 LB-FT ²	425 LB-FT ²	25 SEC.	2	398 LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	PREMIUM SEVERE DUTY	DIVISION 2 T2B	NO	NONE	BLUE (EPOXY)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
BALL	BALL						
6313	6213						

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS
NONE	NOT	NONE	NONE	NONE	FALSE	NA

R1 (ohms/ph)	R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (in/sec)	FLOAT
0.064	0.04	0.364	0.487	11.723	0.080	ODE

* N O T E S *		If Inverter equals NONE, contact factory for further information INVERTER TORQUE: VARIABLE 10:1 INV. HP SPEED RANGE: NONE
	ENCODER: NONE	
	NONE	
	NONE PPR	

PREPARED BY: ANUSHAM	BRAKE: NONE
DATE: 3/18/2020	NONE NONE
	FT-LB: NA
	VOLTAGE: NONE HZ:

FORM: 3531 REV_4 2/27/06
 ** Subject to change without notice.

Data Sheet

Date: 3/10/2020
 Customer: _____
 Attention: _____
 Submitted by: ANUSHA M

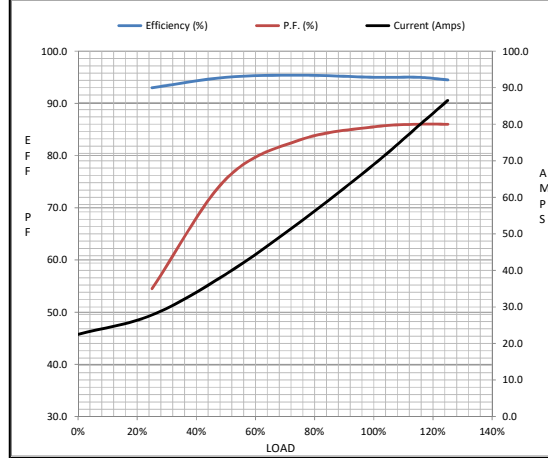


364THFCD9036

Submittal
 Data @ 460 V

Motor Load Data								
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	22.5	27.8	39.0	53.2	69.0	79.5	86.5	435
Torque (ft-lb)	0.00	44.0	88.0	132	177	204	222	354
RPM	1800	1795	1790	1785	1782	1780	1775	0
Efficiency (%)		93.0	95.0	95.4	95.0	95.0	94.5	
P.F. (%)	4.0	54.5	75.5	83.0	85.5	86.0	86.0	33.0

Motor Speed Data						Information Block				
	LR	Pull-Up	BD	Rated	Idle					
Speed (RPM)	0	900	1715	1782	1800	HP	60.0			
Current (Amps)	435	350	238	69.0	22.5	Sync. RPM	1800			
Torque (ft-lb)	354	297	451	177	0.00	Frame	364			
						Enclosure	TEFC			
						Construction	TFC			
						Voltage	460 V			
						Frequency	60 Hz			
						Design	B			
						LR Code letter	G			
						Service Factor	1.15			
						Temp Rise @ FL	55 °C			
						Duty	CONT			
						Ambient	50 °C			
						Elevation	1,000 feet			
						Rotor/Shaft wk ²	17.2 Lb-FT ²			
						Ref Wdg	HE32254010 NONE			
						Sound Pressure @ 1M	72 dBA			
						VFD Rating	VARIABLE 10:1			
						Outline Dwg	SS557662-364T			
						Conn. Diag	EE7300U			
						Additional Specifications:				
						0				
						EQUIV CKT (OHMS / PHASE)				
						R1	R2	X1	X2	Xm
						0.0640	0.0400	0.3640	0.4870	11.7230



HP	60.0			
Sync. RPM	1800			
Frame	364			
Enclosure	TEFC			
Construction	TFC			
Voltage	460 V			
Frequency	60 Hz			
Design	B			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	55 °C			
Duty	CONT			
Ambient	50 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	17.2 Lb-FT ²			
Ref Wdg	HE32254010 NONE			
Sound Pressure @ 1M	72 dBA			
VFD Rating	VARIABLE 10:1			
Outline Dwg	SS557662-364T			
Conn. Diag	EE7300U			
Additional Specifications:				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0640	0.0400	0.3640	0.4870	11.7230

