

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 364TSTDS4337

Catalog No: U519

60 HP Fire Pump Motor, 3 phase, 1800 RPM, 200/400 V, 364TS Frame, ODP
Fire Pump Motors



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RegalRexnord

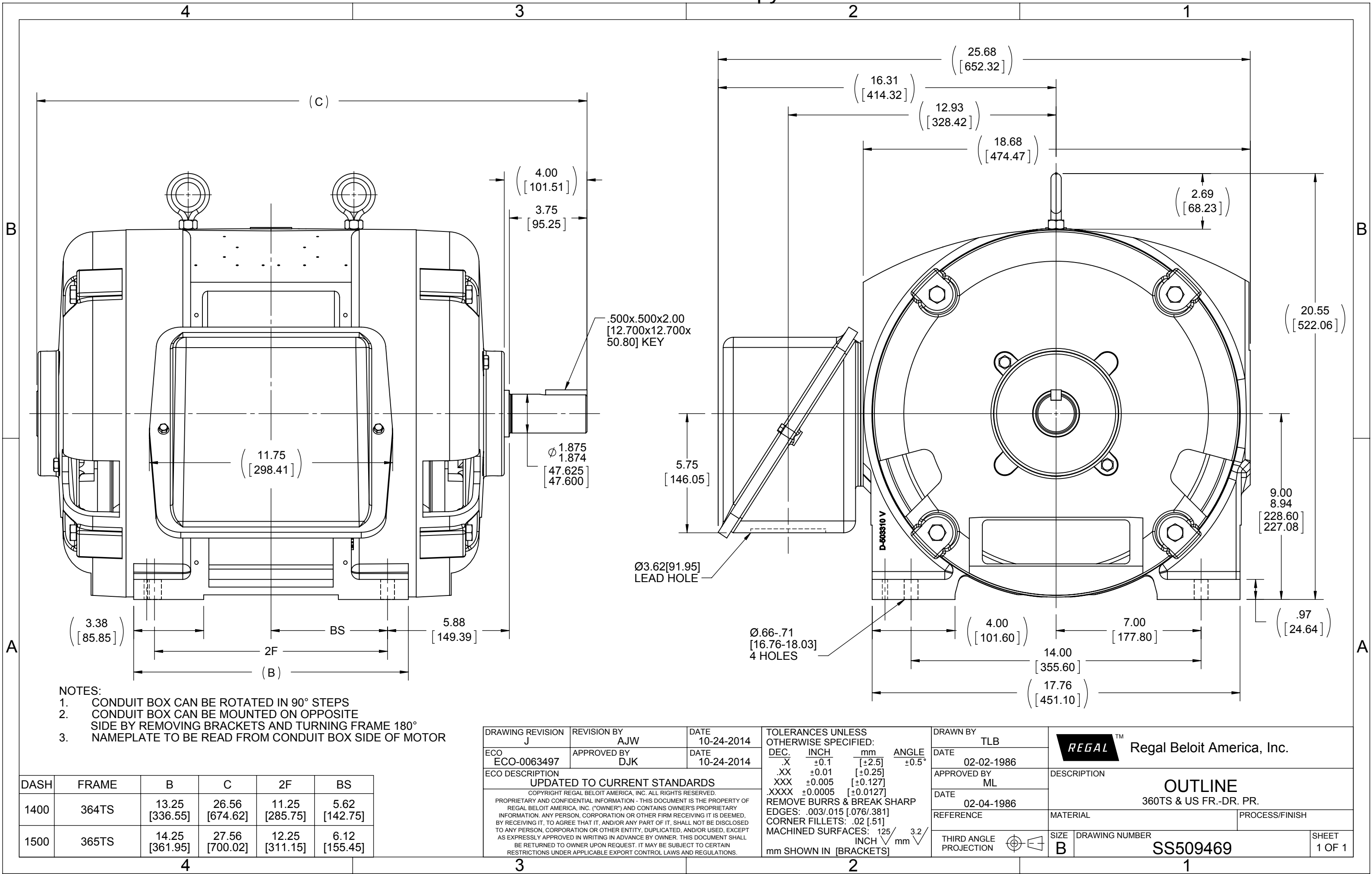
Nameplate Specifications

Output HP	60 Hp	Output KW	45.0 kW
Frequency	60 Hz	Voltage	200/400 V
Current	166.0/83.0 A	Speed	1780 rpm
Service Factor	1.15	Phase	3
Efficiency	93.6 %	Power Factor	83.5
Duty	Continuous	Insulation Class	B
Design Code	B	KVA Code	F
Frame	364TS	Enclosure	Drip Proof
Thermal Protection	No	Ambient Temperature	50 °C
Drive End Bearing Size	6312	Opp Drive End Bearing Size	6312
UL	No	CSA	Y
CE	Y	IP Code	12
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Part Wdg Start Low Volt Only & Wye Start Delta Run
Poles	4	Rotation	Reversible
Resistance Main	.115 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	TS	Overall Length	26.56 in
Frame Length	14.00 in	Shaft Diameter	1.875 in
Shaft Extension	4 in	Assembly/Box Mounting	F1/F2 Capable
Connection Drawing	A-EE7308AA	Outline Drawing	B-SS509469-1400

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- NOTES:
- CONDUIT BOX CAN BE ROTATED IN 90° STEPS
 - CONDUIT BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°
 - NAMEPLATE TO BE READ FROM CONDUIT BOX SIDE OF MOTOR

DASH	FRAME	B	C	2F	BS
1400	364TS	13.25 [336.55]	26.56 [674.62]	11.25 [285.75]	5.62 [142.75]
1500	365TS	14.25 [361.95]	27.56 [700.02]	12.25 [311.15]	6.12 [155.45]

DRAWING REVISION J	REVISION BY AJW	DATE 10-24-2014
ECO ECO-0063497	APPROVED BY DJK	DATE 10-24-2014
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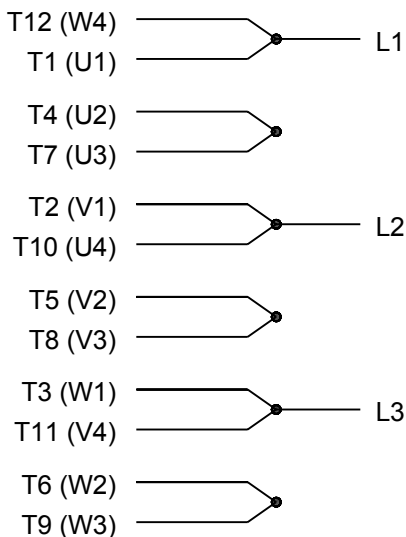
TOLERANCES UNLESS OTHERWISE SPECIFIED:		
DEC.	INCH	mm
.X	±0.1	[±2.5]
.XX	±0.01	[±0.25]
.XXX	±0.005	[±0.127]
.XXXX	±0.0005	[±0.0127]
REMOVE BURRS & BREAK SHARP		
EDGES: .003/.015 [0.076/.381]		
CORNER FILLETS: .02 [51]		
MACHINED SURFACES: 125 INCH 3.2 mm		
mm SHOWN IN [BRACKETS]		

DRAWN BY TLB	DATE 02-02-1986
APPROVED BY ML	DATE 02-04-1986
REFERENCE	
THIRD ANGLE PROJECTION	

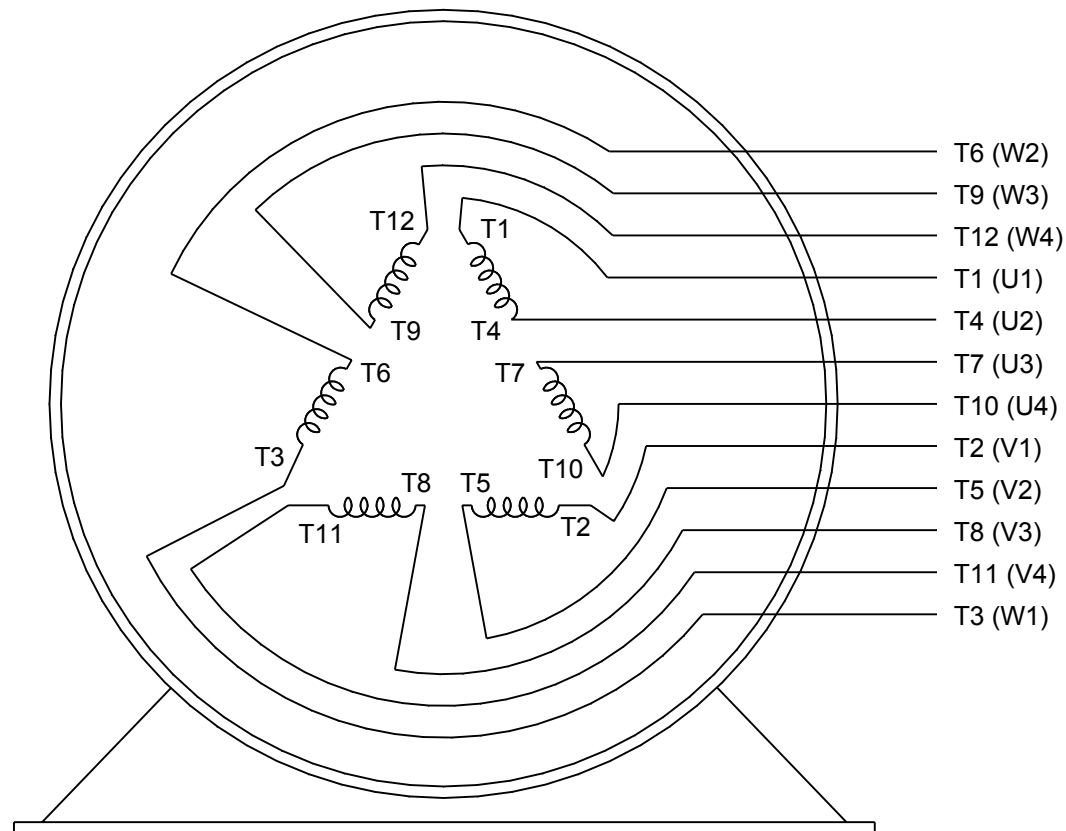
DRAWN BY TLB			DATE 02-02-1986		
APPROVED BY ML			DATE 02-04-1986		
REFERENCE					
THIRD ANGLE PROJECTION					
DRAWING NUMBER SS509469			SHEET 1 OF 1		



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
DATE 01-12-1994
APPROVED BY GK
DATE 01-14-1994
REFERENCE
THIRD ANGLE PROJECTION

 Regal Beloit America, Inc.		
DESCRIPTION CONN DIAGRAM-EXTERNAL 3Ø-2/1 DELTA-12 LEADS		
MATERIAL	PROCESS/FINISH	
SIZE A	DRAWING NUMBER EE7308AA	SHEET 1 OF 1

CERTIFICATION DATA SHEET

Model#: 364TSTD54337 BP
 CONN. DIAGRAM: A-EE7308AA
 OUTLINE: B-SS509469-1400

WINDING#: T3644140 NONE 2
 ASSEMBLY: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
60	45	1800	1780	364TS	DP	F	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	200/400	166/83	PWS(LV ONLY) & YDRUN	CONTINUOUS	B1	1.15	50	3300

FULL LOAD EFF: 93.6	3/4 LOAD EFF: 93.6	1/2 LOAD EFF: 93	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 83.5	3/4 LOAD PF: 80	1/2 LOAD PF: 72	92.4	SQ CAGE IND RUN	58.7 / 29.3

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
177 LB-FT	954.5 / 477.3	300 LB-FT 169	400 LB-FT 226	40

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
75 dBA	85 dBA	12.2 LB-FT^2	300 LB-FT^2	20 SEC.	2	675 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	RED (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL						
6312	6312	POLYREX EM	TS	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	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

* N O T E S *	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 07:41:46 AM
 FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.

Data Sheet

Date: 29-06-2017

Customer:

Attention:

Submitted by: FAREEDA DUDEKULA



364TSTD54337

Submittal

Data @ 400 V

Motor Load Data

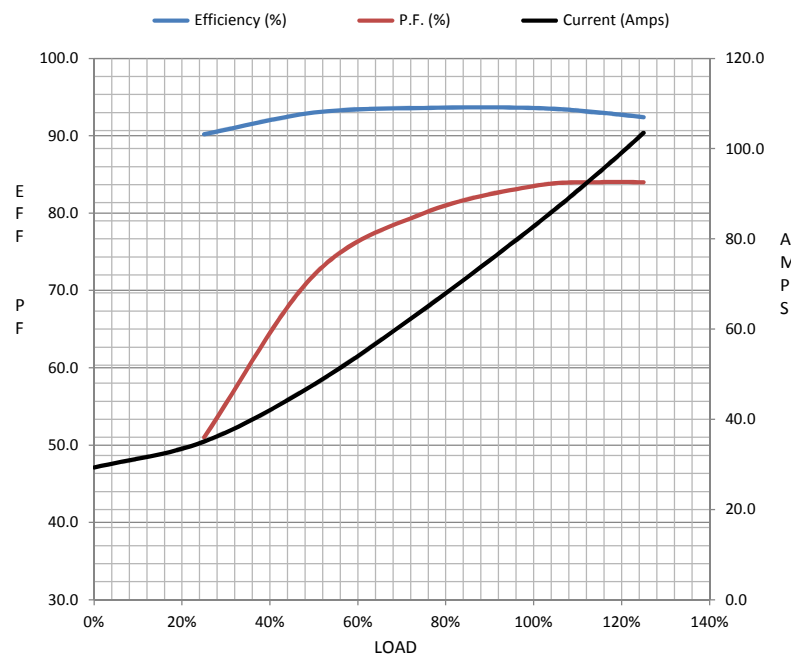
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	29.3	35.1	47.7	64.4	82.8	94.9	104	477	
Torque (ft-lb)	0.00	44.0	88.0	132	177	204	222	300	
RPM	1800	1795	1790	1785	1780	1,775	1770	0	
Efficiency (%)		90.2	93.0	93.6	93.6	93.0	92.4		
P.F. (%)	5.5	51.0	72.0	80.0	83.5	84.0	84.0	31.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1675	1780	1800
Current (Amps)	477	431	259	82.8	29.3
Torque (ft-lb)	300	275	400	177	0.00

Information Block

HP	60.0			
Sync. RPM	1800			
Frame	364			
Enclosure	DP			
Construction	TDS			
Voltage	200/400 V			
Frequency	60 Hz			
Design	B			
LR Code letter	F			
Service Factor	1.15			
Temp Rise @ FL	40 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	12.2 Lb-Ft ²			
Ref Wdg	T3644140 NONE			
Sound Pressure @ 1M	75 dBA			
VFD Rating	NONE			
Outline Dwg	B-SS509469-1400			
Conn. Diag	A-EE7308AA			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0600	0.0360	0.3330	0.4080	7.9400



Speed - Torque Curve

