

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 365TSTDS4332

Catalog No: U524

Fire Pump Motor, 75 & 60 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 & 1500 RPM, 365TS Frame,
DP



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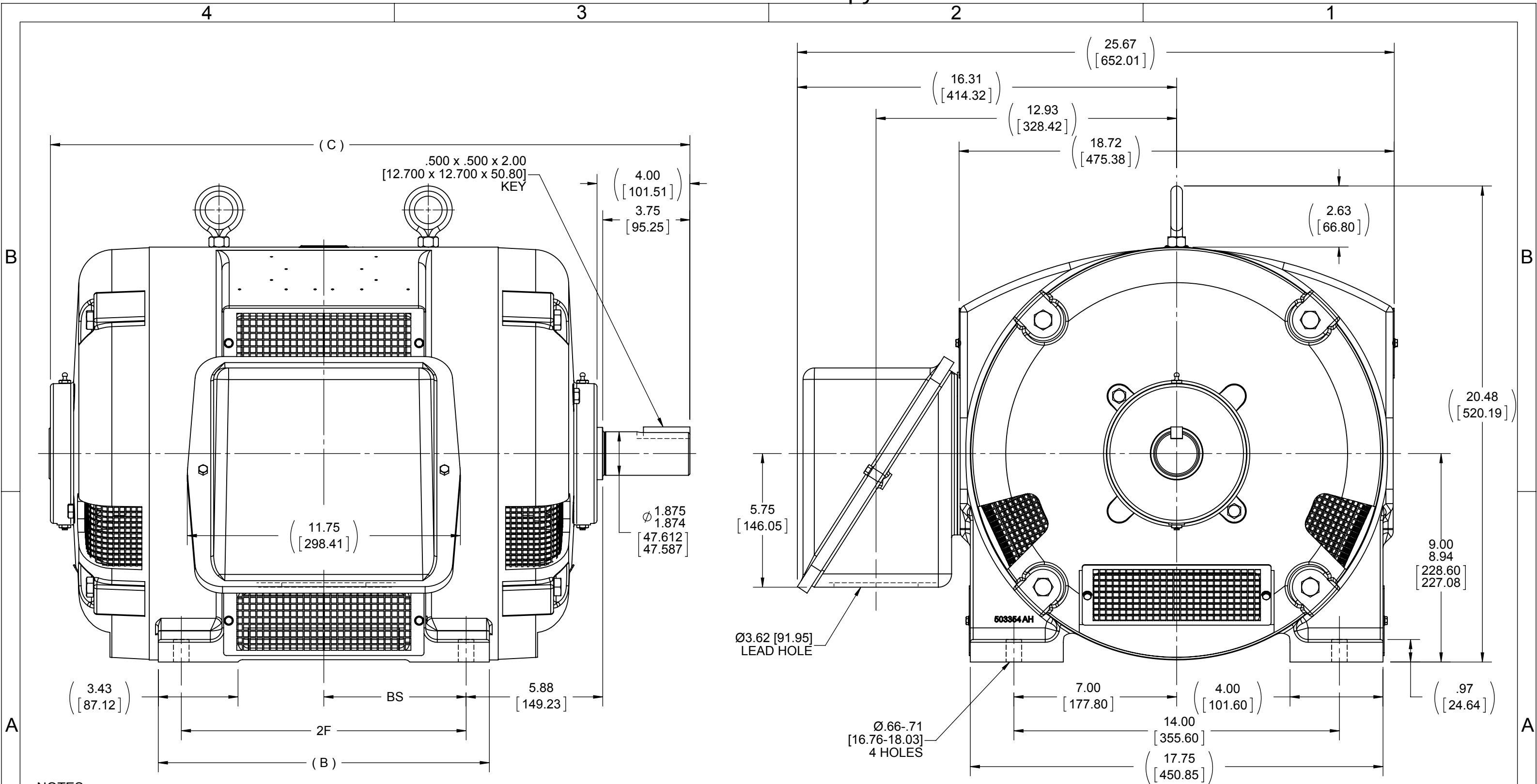
RegalRexnord

Nameplate Specifications

Phase	3	Output HP	75 & 60 Hp
Output KW	56.0 & 45.0 kW	Voltage	230/460 & 190/380 V
Speed	1775 & 1475 rpm	Service Factor	1.15 & 1.15
Frame	365TS	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	94.1 & 93 %
Ambient Temperature	50 °C	Frequency	60 & 50 Hz
Current	177/88.5 & 172/86 A	Power Factor	84
Duty	Continuous	Insulation Class	B
Design Code	B	KVA Code	F
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	.095 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	27.50 in
Frame Length	15.00 in	Shaft Diameter	1.875 in
Shaft Extension	4 in	Assembly/Box Mounting	F1/F2 Capable
Outline Drawing	B-SS509966-1500	Connection Drawing	A-EE7308AA



- NOTES:
1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS.
 2. CONDUIT BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°.
 3. NAMEPLATES TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.
 4. DIMENSION IN [] DESIGNATE MILLIMETERS.

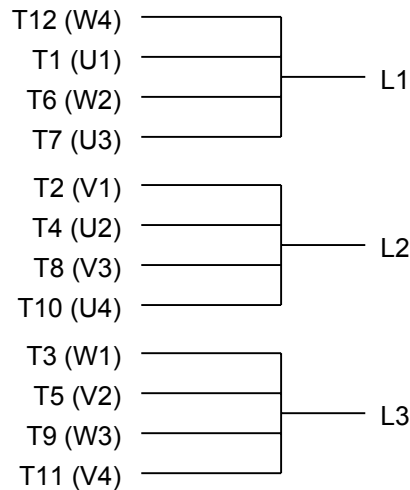
DASH	FRAME	B	C	2F	BS
1400	364TS	13.25 [336.55]	26.50 [673.10]	11.25 [285.75]	5.62 [142.75]
1500	365TS	14.25 [361.95]	27.50 [698.50]	12.25 [311.15]	6.12 [155.45]

DRAWING REVISION A	REVISION BY JJB	DATE 06-19-2014
ECO ECO-0053523	APPROVED BY TDB	DATE 06-19-2014
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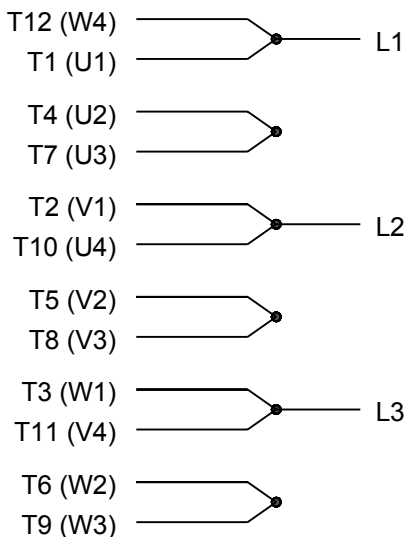
TOLERANCES UNLESS OTHERWISE SPECIFIED:		
DEC.	INCH	mm
.X	±0.1	[±2.5]
.XX	±0.01	[±0.25]
.XXX	±0.005	[±0.127]
.XXXX	±0.0005	[±0.0127]
REMOVE BURRS & BREAK SHARP		
EDGES: .003/.015 [0.076/.381]		
CORNER FILLETS: .02 [51]		
MACHINED SURFACES: 125 INCH 3.2 mm		
mm SHOWN IN [BRACKETS]		

DRAWN BY TLB	DATE 02-04-1988
APPROVED BY GK	DATE 02-04-1988
REFERENCE	THIRD ANGLE PROJECTION

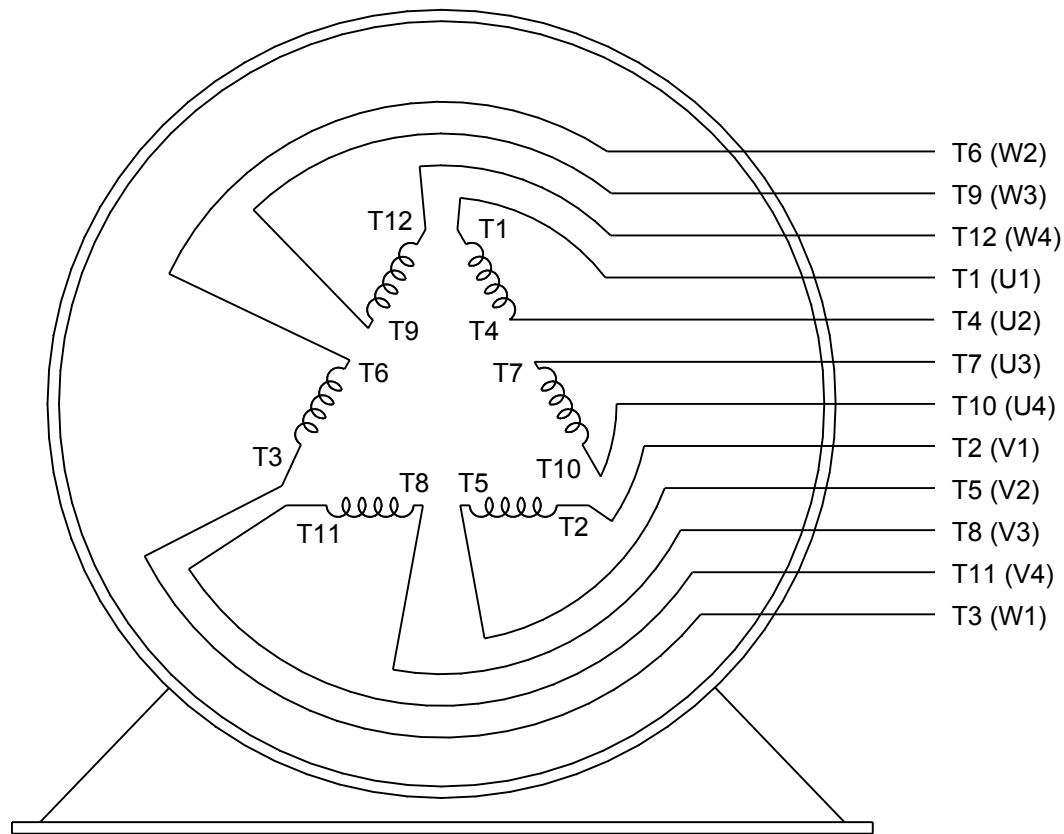
REGAL™ Regal Beloit America, Inc.	
DESCRIPTION 360TS & US FR - DR PR - SCREENED	
MATERIAL	PROCESS/FINISH
SIZE B	DRAWING NUMBER SS509966
SHEET 1 OF 1	



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#: 365TSTDS4332 CV
 CONN. DIAGRAM: A-EE7308AA
 OUTLINE: B-SS509966-1500

WINDING#: T3654176 NONE 1
 ASSEMBLY: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
75&60	56&45	1800	1775&1475	365TS	DP	F	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/ 380	177/88.5&172/ 86	PWS(LV ONLY) & YDRUN	CONTINUOU S	B3	1.15/1.15	50	3300

FULL LOAD EFF: 94.1&93	3/4 LOAD EFF: 94.1	1/2 LOAD EFF: 94.1	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 84&84	3/4 LOAD PF: 82	1/2 LOAD PF: 75	93.6	SQ CAGE IND RUN	57 / 28.5

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
222 LB-FT	1020 / 510	375 LB-FT 169	490 LB-FT 221	55

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
75 dBA	85 dBA	13.8 LB-FT^2	- LB-FT^2	20 SEC.	-	775 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	D RIP 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

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 09:06:12 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



365TSTD54332

Submittal

Data @ 460 V

Motor Load Data

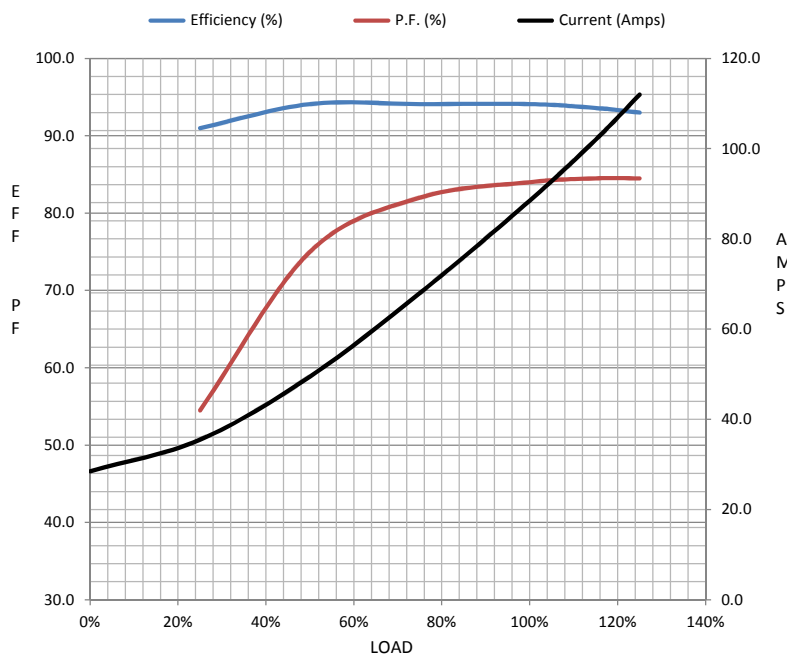
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	28.5	35.5	49.5	68.0	88.5	102	112	510	
Torque (ft-lb)	0.00	55.0	110	166	222	256	278	375	
RPM	1800	1795	1790	1782	1775	1,772	1768	0	
Efficiency (%)		91.0	94.1	94.1	94.1	93.6	93.0		
P.F. (%)	5.0	54.5	75.0	82.0	84.0	84.5	84.5	34.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1690	1775	1800
Current (Amps)	510	450	275	88.5	28.5
Torque (ft-lb)	375	350	490	222	0.00

Information Block

HP	75.0			
Sync. RPM	1800			
Frame	365			
Enclosure	DP			
Construction	TDS			
Voltage	230/460#190/38(V			
Frequency	60 Hz			
Design	B			
LR Code letter	F			
Service Factor	1.15			
Temp Rise @ FL	55 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk²	13.8 Lb-Ft²			
Ref Wdg	T3654176 NONE			
Sound Pressure @ 1M	75 dBA			
VFD Rating	NONE			
Outline Dwg	B-SS509966-1500			
Conn. Diag	A-EE7308AA			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0620	0.0400	0.3670	0.4610	9.3060



Speed -Torque Curve

