

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 365TTDS16067

Catalog No: E766A

60 HP General Purpose Motor, 3 phase, 1800 RPM, 575 V, 365T Frame, ODP
General Purpose Motors



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RegalRexnord

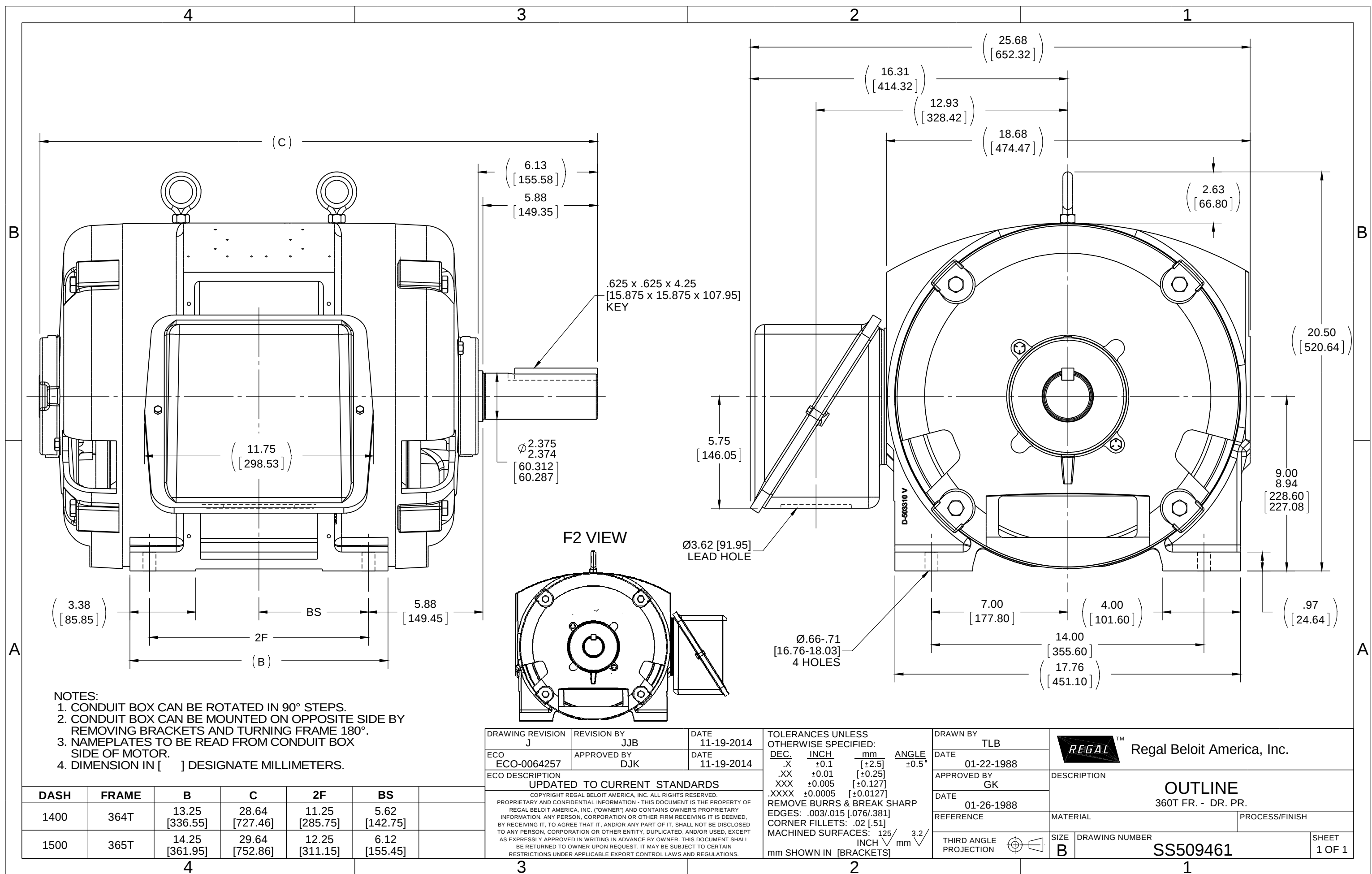
Nameplate Specifications

Output HP	60 Hp	Output KW	45.0 kW
Frequency	60 Hz	Voltage	575 V
Current	55.5 A	Speed	1782 rpm
Service Factor	1.15	Phase	3
Efficiency	95 %	Power Factor	85
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	365T	Enclosure	Drip Proof
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6314	Opp Drive End Bearing Size	6312
UL	Recognized	CSA	Y
CE	Y	IP Code	12
Number of Speeds	1		

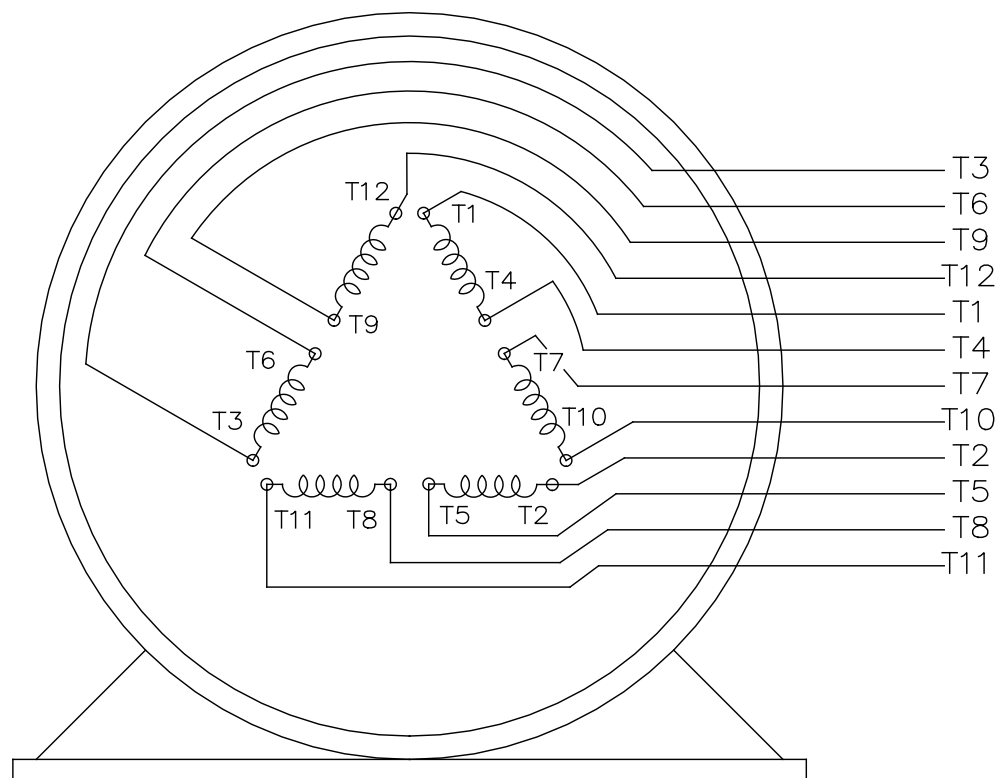
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Part Wdg Start & Wye Start Delta Run Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.096 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Overall Length	29.64 in
Frame Length	15.00 in	Shaft Diameter	2.375 in
Shaft Extension	6.13 in	Assembly/Box Mounting	F1/F2 Capable
Connection Drawing	A-EE7300BH	Outline Drawing	B-SS509461-1500

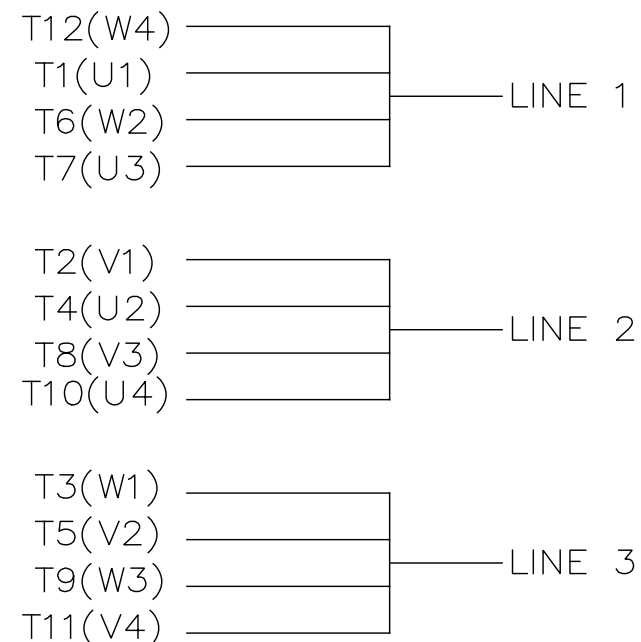
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DRAWING REVISION J	REVISION BY JJB	DATE 11-19-2014	TOLERANCES UNLESS OTHERWISE SPECIFIED: DEC. INCH mm ANGLE .X ±0.1 [±2.5] ±0.5° .XX ±0.01 [±0.25] XXX ±0.005 [±0.127] .XXXX ±0.0005 [±0.0127] REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381] CORNER FILLETS: .02 [0.51] MACHINED SURFACES: 125 INCH 3.2 mm ✓ mm SHOWN IN [BRACKETS]			DRAWN BY TLB	 Regal Beloit America, Inc.			
ECO ECO-0064257	APPROVED BY DJK	DATE 11-19-2014				DATE 01-22-1988	DESCRIPTION OUTLINE 360T FR. - DR. PR.			
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			DATE 01-26-1988							
			REFERENCE	MATERIAL		PROCESS/FINISH				
			THIRD ANGLE PROJECTION 	SIZE B	DRAWING NUMBER SS509461		SHEET 1 OF 1			



VIEW OF TERMINAL END



				TOLERANCES UNLESS SPECIFIED		 REGAL - BELOIT CORPORATION	DRAWN RJW 02-11-2005							
				DEC.	INCHES		CHK	ML	02-11-2005					
				.X	±.1		APPD	GK	02-11-2005					
				.XX	±.02		SCALE							
D	CHANGED TO REGAL TITLE BLOCK	ECO-0108299	WGJ 08/22/2016	EMH	.XXX	±.005	TITLE CONNECTION DIAGRAM 12 LEAD- SINGLE VOLTAGE			REF				
1	ADDED IEC TERMINAL MARKINGS	CN 41429	JJB 05/24/2007	ML	.XXXX	±.0005	MAT'L.			FMF				
NO.	REVISION		BY & DATE	CHK	ANG	±7'30"	FINISH			PREV				
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT				RFP		02-11-2005	CAD FILE		ee7300bh	SIZE	DRAWING NO.	PAGE	OF	REV.
				DIST		LB			A	EE7300BH		C		

CERTIFICATION DATA SHEET

Model#: 365TTDS16067 AN
 CONN. DIAGRAM: A-EE7300BH
 OUTLINE: B-SS509461-1500

WINDING#: T3654202 NONE 5
 ASSEMBLY: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
60	45	1800	1782	365T	DP	G	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	575	55.5	PWS & YDRUN OR INV	CONTINUOU S	F1	1.15	40	3300

FULL LOAD EFF: 95	3/4 LOAD EFF: 95	1/2 LOAD EFF: 94.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 85	3/4 LOAD PF: 82	1/2 LOAD PF: 74	94.1	SQ CAGE INV RATED	18.8

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
177 LB-FT	348	350 LB-FT 195	450 LB-FT 255	30

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
75 dBA	85 dBA	15 LB-FT^2	- LB-FT^2	20 SEC.	-	875 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	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL						
6314	6312	POLYREX EM	T	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: VARIABLE 10:1
 INV. HP SPEED RANGE: NONE

ENCODER: NONE
 NONE NONE
 NONE NONE PPR

BRAKE: NONE NONE
 NONE P/N NONE
 NONE NONE
 - FT-LB NONE V NONE Hz

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DATE: 06/22/2017 12:34:59 AM
 FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.

Data Sheet

Date: 15-06-2017

Customer:

Attention:

Submitted by: FAREEDA DUDEKULA



365TTDS16067

Submittal

Data @ 575 V

Motor Load Data

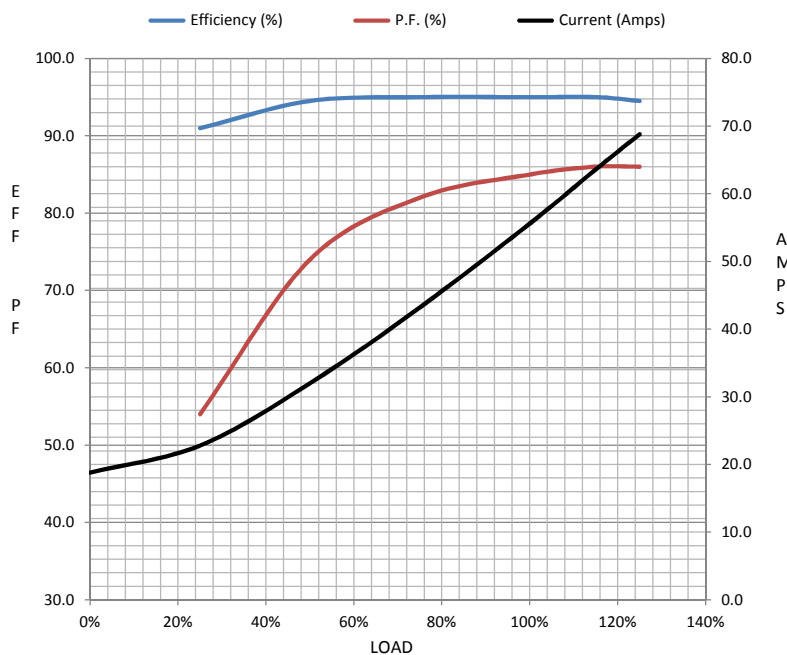
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	18.8	22.8	32.0	43.2	55.6	63.6	68.8	348	
Torque (ft-lb)	0.00	44.0	88.0	132	177	203	221	350	
RPM	1800	1795	1792	1788	1782	1,780	1778	0	
Efficiency (%)		91.0	94.5	95.0	95.0	95.0	94.5		
P.F. (%)	5.0	54.0	74.0	82.0	85.0	86.0	86.0	32.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1700	1782	1800
Current (Amps)	348	320	200	55.6	18.8
Torque (ft-lb)	350	300	450	177	0.00

Information Block

HP	60.0			
Sync. RPM	1800			
Frame	365			
Enclosure	DP			
Construction	TDS			
Voltage	575 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 wk ²	15.0 Lb-Ft ²			
Ref Wdg	T3654202 NONE			
Sound Pressure @ 1M	75 dBA			
VFD Rating	VARIABLE 10:1			
Outline Dwg	B-SS509461-1500			
Conn. Diag	A-EE7300BH			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.1000	0.0520	0.6360	0.7540	17.6270



Speed -Torque Curve

