

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 365TTDS16072

Catalog No: M742

75 HP Vertical Solid Shaft P-Base Motor, 3 phase, 1800 RPM, 230/460 V, 365HPV Frame, ODP
Vertical Pump Motors



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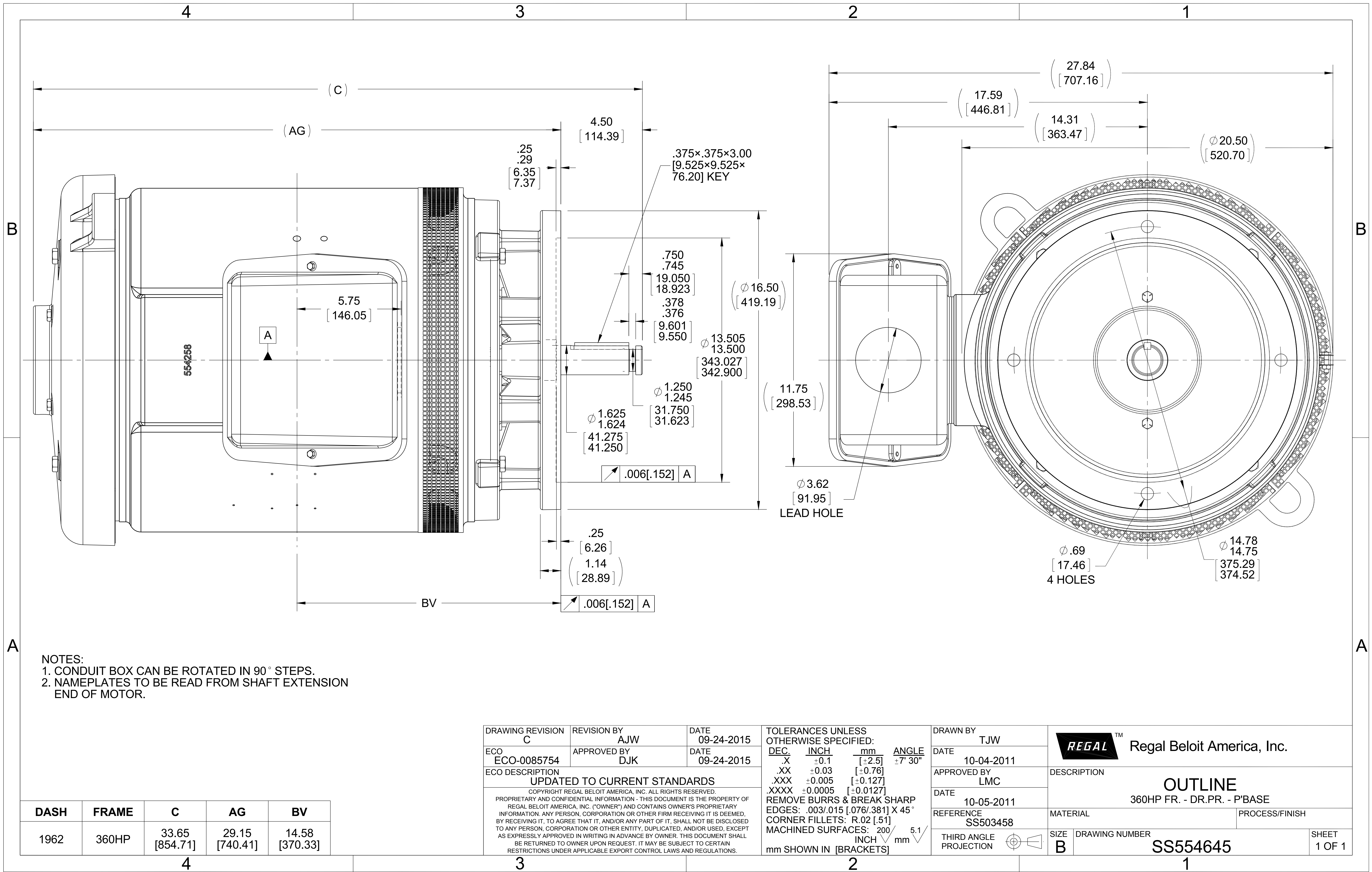
RegalRexnord

Nameplate Specifications

Output HP	75 Hp	Output KW	56.0 kW
Frequency	60 Hz	Voltage	230/460 V
Current	174.0/87.0 A	Speed	1780 rpm
Service Factor	1.15	Phase	3
Efficiency	95 %	Power Factor	85
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	365HPV	Enclosure	Drip Proof
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6312	Opp Drive End Bearing Size	6312
UL	Recognized	CSA	Y
CE	Y	IP Code	12
Number of Speeds	1		

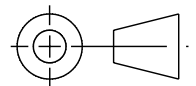
Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	.084 Ohms	Mounting	Round
Motor Orientation	Shaft Down	Drive End Bearing	Ball
Opp Drive End Bearing	Double 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
Connection Drawing	A-EE7308K	Outline Drawing	B-SS554645-1962



DRAWING REVISION C	REVISION BY AJW	DATE 09-24-2015
ECO ECO-0085754	APPROVED BY DJK	DATE 09-24-2015
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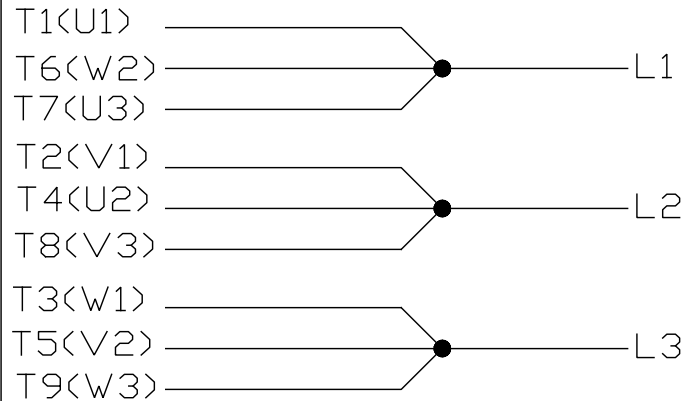
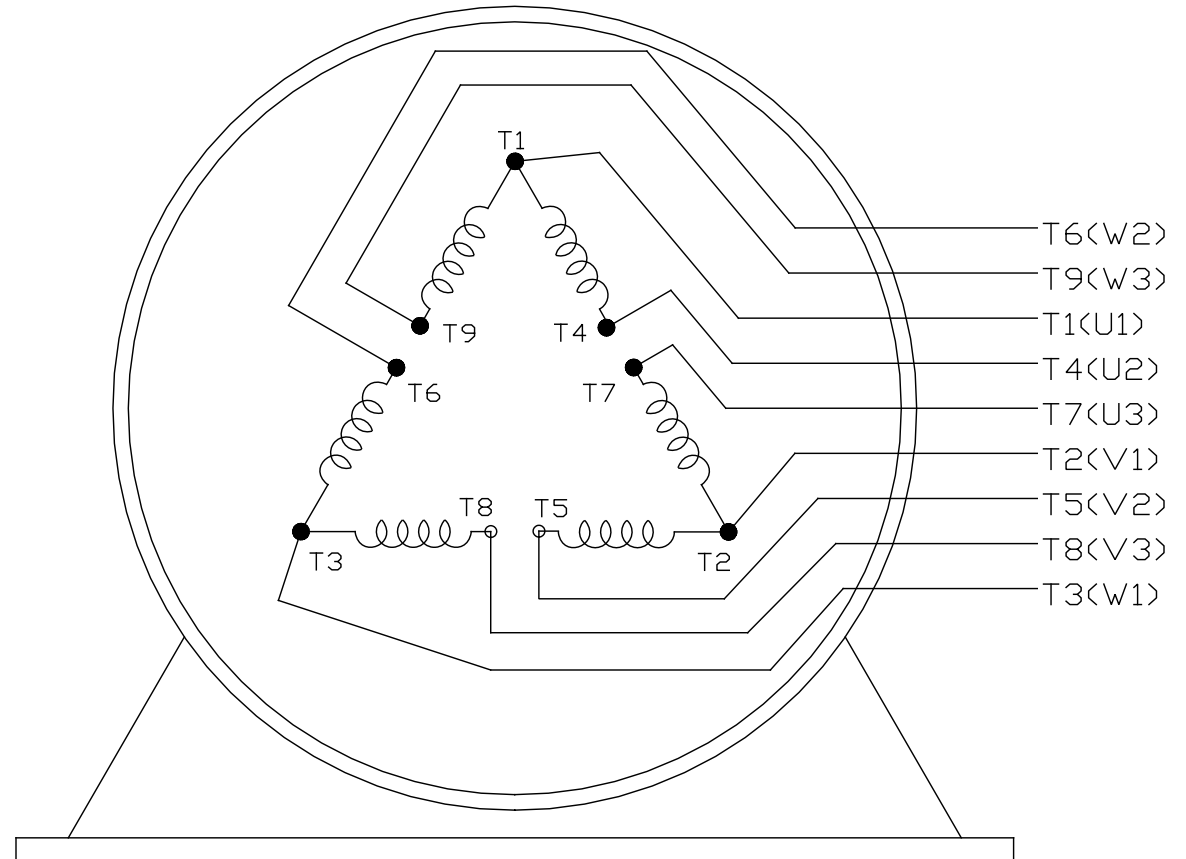
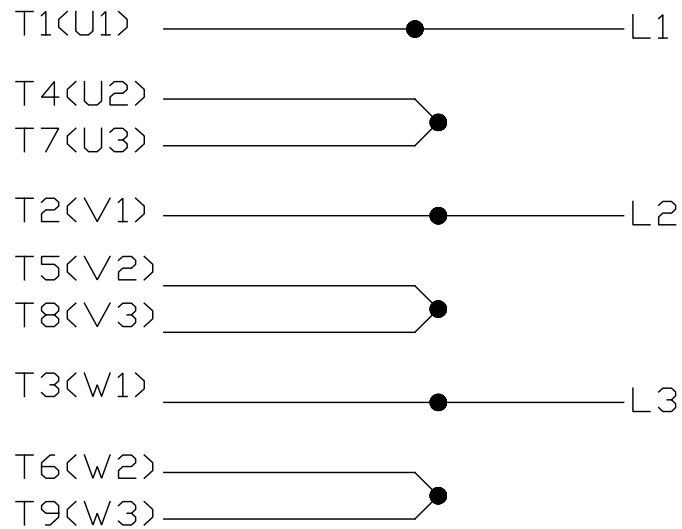
TOLERANCES UNLESS OTHERWISE SPECIFIED:			
DEC.	INCH	mm	ANGLE
.X	± 0.1	[± 2.5]	$\pm 7^{\circ} 30''$
.XX	± 0.03	[± 0.76]	
.XXX	± 0.005	[± 0.127]	
.XXXX	± 0.0005	[± 0.0127]	
REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381] X 45°			
CORNER FILLETS: R.02 [51]			
MACHINED SURFACES: 200 INCH 5.1 mm			
mm SHOWN IN [BRACKETS]			

DRAWN BY TJW	 Regal Beloit America, Inc.	
DATE 10-04-2011		
APPROVED BY LMC	DESCRIPTION OUTLINE	
DATE 10-05-2011	360HP FR. - DR.PR. - P'BASE	
REFERENCE SS503458	MATERIAL	PROCESS/FINISH
THIRD ANGLE PROJECTION 	SIZE B	DRAWING NUMBER SS554645
		SHEET 1 OF 1

DASH	FRAME	C	AG	BV
1962	360HP	33.65 [854.71]	29.15 [740.41]	14.58 [370.33]

LOW VOLTAGE

EE7308K

HIGH VOLTAGE

VIEW OF TERMINAL END

			TOLERANCES UNLESS SPECIFIED			 REGAL - BELOIT CORPORATION	DRAWN PGK 06-04-1997		
NO.	REVISION	BY & DATE	CHK	ANG	± 7'30"		CHK	ML	06-05-1997
E	CORRECTED IEC MARKINGS ECD-0111208	WGJ 01-23-2017	EMH	DEC.	INCHES	TITLE CONNECTION DIAGRAM DELTA CON. - 3Ø - 9 LEADS	APPD	GK	06-15-1997
D	RE-DRAWN WITH REGAL LOGO ECD-0110493	WGJ 09-30-2016	EMH	.X	± .1				
8	ADDED IEC DESIGNATIONS MU95020	TJW 4/30/2010	MJS	.XX	± .02				
7	REVISED HIGH VOLTAGE L2 WAS L3 CN52600-354	MRB 09-21-1998		.XXX	± .005				
6	REDRAWN ON CADD	PGK 06-05-1997		.XXXX	± .0005				
						MAT'L.			
						FINISH			
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							A	EE7308K	REV.
									E

CERTIFICATION DATA SHEET

Model#: 365TTDS16072 AN
 CONN. DIAGRAM: A-EE7308K
 OUTLINE: B-SS554645-1962

WINDING#: T3654147 NONE 1
 ASSEMBLY: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
75	56	1800	1780	365HPV	DP	G	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	230/460	174/87	ACROSS THE LINE	CONTINUOUS	F1	1.15	40	3300

FULL LOAD EFF: 95	3/4 LOAD EFF: 95	1/2 LOAD EFF: 95	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 85	3/4 LOAD PF: 82	1/2 LOAD PF: 75.5	94.5	SQ CAGE IND RUN	56 / 28

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
222 LB-FT	1084 / 542	375 LB-FT 169	575 LB-FT 259	45

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	400 LB-FT^2	20 SEC.	2	875 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	FALSE	NONE	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	DOUBLE ANGULAR CONTACT	POLYREX EM	HP	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
6312	6312						

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: 06/22/2017 12:35:41 AM
 FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.

Data Sheet

Date: 6/29/2017

Customer: _____

Attention: _____

Submitted by: FAREEDA DUDEKULA



365TTDS16072

Submittal

Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	28.0	34.5	49.5	67.5	87.0	100	109	542	
Torque (ft-lb)	0.00	55.0	110	166	222	255	278	375	
RPM	1800	1795	1790	1785	1780	1,775	1772	0	
Efficiency (%)		92.4	95.0	95.0	95.0	95.0	94.5		
P.F. (%)	5.0	55.0	75.5	82.0	85.0	85.5	85.5	35.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle																										
Speed (RPM)	0	900	1700	1780	1800																										
Current (Amps)	542	500	325	87.0	28.0																										
Torque (ft-lb)	375	350	575	222	0.00																										
— Efficiency (%) — P.F. (%) — Current (Amps) <table><caption>Graph Data Points (Estimated)</caption><thead><tr><th>Load (%)</th><th>Efficiency (%)</th><th>P.F. (%)</th><th>Current (Amps)</th></tr></thead><tbody><tr><td>25</td><td>92</td><td>55</td><td>35</td></tr><tr><td>50</td><td>94</td><td>75</td><td>55</td></tr><tr><td>75</td><td>95</td><td>82</td><td>75</td></tr><tr><td>100</td><td>95</td><td>85</td><td>85</td></tr><tr><td>125</td><td>95</td><td>86</td><td>94</td></tr></tbody></table>						Load (%)	Efficiency (%)	P.F. (%)	Current (Amps)	25	92	55	35	50	94	75	55	75	95	82	75	100	95	85	85	125	95	86	94	Information Block	
						Load (%)	Efficiency (%)	P.F. (%)	Current (Amps)																						
						25	92	55	35																						
						50	94	75	55																						
						75	95	82	75																						
						100	95	85	85																						
						125	95	86	94																						
						HP		75.0																							
						Sync. RPM		1800																							
						Frame		365																							
						Enclosure		DP																							
						Construction		TDS																							
						Voltage		230/460 V																							
						Frequency		60 Hz																							
						Design		A																							
						LR Code letter		G																							
						Service Factor		1.15																							
						Temp Rise @ FL		45 ° C																							
						Duty		CONT																							
						Ambient		40 ° C																							
						Elevation		1,000 feet																							
						Rotor/Shaft wk²		15.0 Lb-Ft²																							
						Ref Wdg		T3654147 NONE																							
Sound Pressure @ 1M		75 dBA																													
VFD Rating		NONE																													
Outline Dwg		B-SS554645-1962																													
Conn. Diag		A-EE7308K																													
Additional Specifications:																															
0																															
0																															
EQUIV CKT (OHMS / PHASE)																															
R1	R2	X1	X2	Xm																											
0.0560	0.0340	0.3450	0.4010	8.6560																											

Speed -Torque Curve

