

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 284TTDC6026

Catalog No: U771

XRI® General Purpose General Purpose Motor, 25 & 25 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 200/400 V,
1800 & 1500 RPM, 284T Frame, DP



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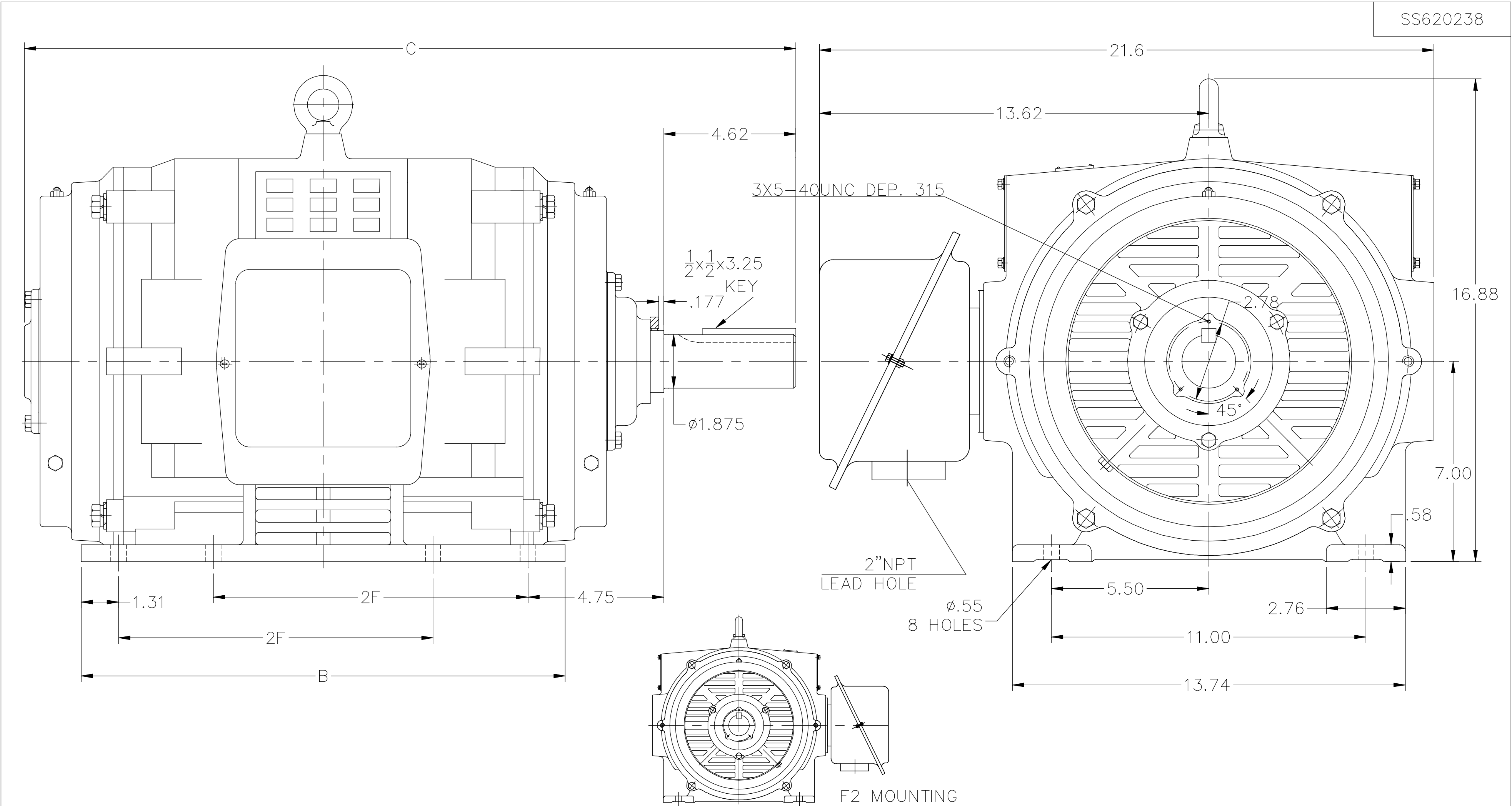
RegalRexnord

Nameplate Specifications


Phase	3	Output HP	25 & 25 Hp
Output KW	18.7 & 18.7 kW	Voltage	208-230/460 & 200/400 V
Speed	1775 & 1475 rpm	Service Factor	1.15 & 1.0
Frame	284T	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	93.6 & 92.4 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	66-59.5/29.8 & 69/34.5 A	Power Factor	84
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6312	Opp Drive End Bearing Size	6211
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	.284 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	23.54 in
Shaft Diameter	1.875 in	Shaft Extension	4.88 in
Assembly/Box Mounting	F1/F2 Capable		
Connection Drawing	004172-01ME	Outline Drawing	SS620238-284T



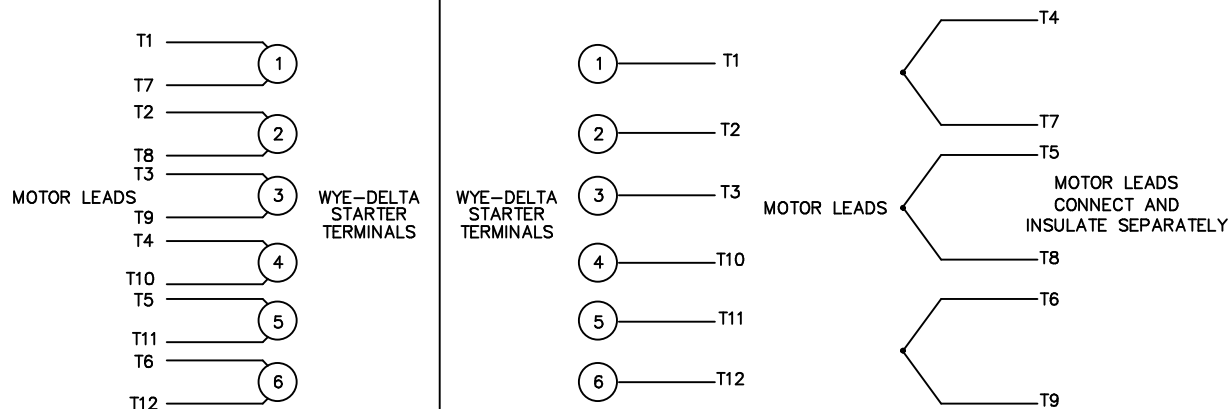
284T	25.71	15.55	9.5
286T	27.09	16.93	11
FRAME	C	B	2F

				TOLERANCES UNLESS SPECIFIED		 REGAL-BELOIT CORPORATION	DRAWN ZYH 09-26-2014	
				DEC.	INCHES		CHK	
				.X	±.1	TITLE OUTLINE 284/286T FR. - ODP - CAST IRON	APPD	
				.XX	±.03		SCALE	5=18
				.XXX	±.005		REF	
D	ADDED F2 MTG VIEW AND DIM CHART	ECO-0138518	WGJ 01-26-2018	EMH	.XXXX ±.0005	MAT'L.	FMF	HWADA
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	CAD FILE SS620238	SIZE	DRAWING NO.	PAGE OF
				DIST		B	SS620238	REV. D

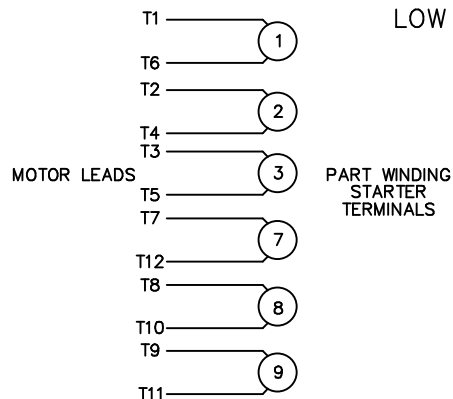
WYE - DELTA STARTING USEABLE ON 2, 4 AND 6 POLE MOTORS.

LOW VOLTAGE CONNECTION

HIGH VOLTAGE CONNECTION



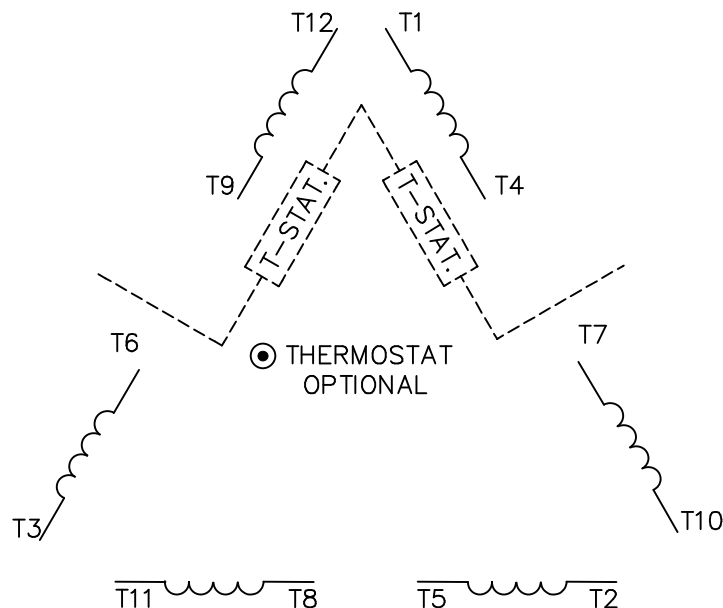
REFER TO THE WYE-DELTA STARTER CONNECTION INSTRUCTIONS FOR PROPER CONNECTION OF POWER LINES TO STARTER.

PART WINDING START USABLE ON 4 & 6 POLE MOTORS
LOW VOLTAGE CONNECTION ONLY

REFER TO THE PART WINDING STARTER INSTRUCTIONS FOR PROPER CONNECTION OF POWER LINES TO STARTER.

REFER TO THE CUTLER-HAMMER OR EQUIV. FOR PROPER SELECTION OF OVERLOAD HEATER COILS.

LINE LEADS



ROTATION CAN BE REVERSED BY INTERCHANGING ANY TWO LINE LEADS
 ● RED LEADS OR P1, P2, FOR N/C THERMOSTAT

ACROSS THE LINE START & RUN

	LINE 1	LINE 2	LINE 3	JOIN & INSULATE SEPARATELY
HIGH VOLT	T1,T12	T2,T10	T3,T11	(T4,T7) (T5,T8) (T6,T9)
LOW VOLT	T1,T6 T7,T12	T2,T4 T8,T10	T3,T5 T9,T11	

TOLERANCES
UNLESS SPECIFIED

DEC. INCHES

.X ±.1

.XX ±.02

.XXX ±.005

.XXXX ±.0005

ANG ±7'30"



TITLE DELTA - WYE CONNECTION DIAGRAM

MAT'L.

FINISH

DRAWN RJW 07-19-2007

CHK ML 07-19-2007

APPD GK 07-19-2007

SCALE 1=1

REF MU61151

FMF

PREV

NO.

REVISION

BY & DATE

CHK

RFP 07-19-2007

DIST LB

CAD FILE 004172-01ME

SIZE

A

DRAWING NO. PAGE 1 OF 1

004172-01ME

REV.

CERTIFICATION DATA SHEET

Model#: 284TTDC6026 AA
 CONN. DIAGRAM: 004172-01ME
 OUTLINE: 169552_60ME

WINDING#: T14504007 NONE 3
 ASSEMBLY: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
25&25	18.7&18.7	1800	1775&1475	284T	DP	G	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	208- 230/460#200/ 400	66- 59.5/29.8&64. 5/32	ACROSS THE LINE	CONTINUOU S	F2	1.15/1.0	40	3300

FULL LOAD EFF: 93.6&92.4	3/4 LOAD EFF: 93.6	1/2 LOAD EFF: 92.4	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 84&90	3/4 LOAD PF: 81	1/2 LOAD PF: 71.6	93	SQ CAGE IND RUN	23.4 / 11.7

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
74 LB-FT	364 / 182	141 LB-FT 191	185 LB-FT 250	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	- LB-FT^2	- LB-FT^2	15 SEC.	2	404 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	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
6312	6211						

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 11:10:11 AM
 FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.

Data Sheet

Date: 20-06-2017

Customer:

Attention:

Submitted by: FAREEDA DUDEKULA



284TTDC6026

Submittal

Data @ 460 V

Motor Load Data

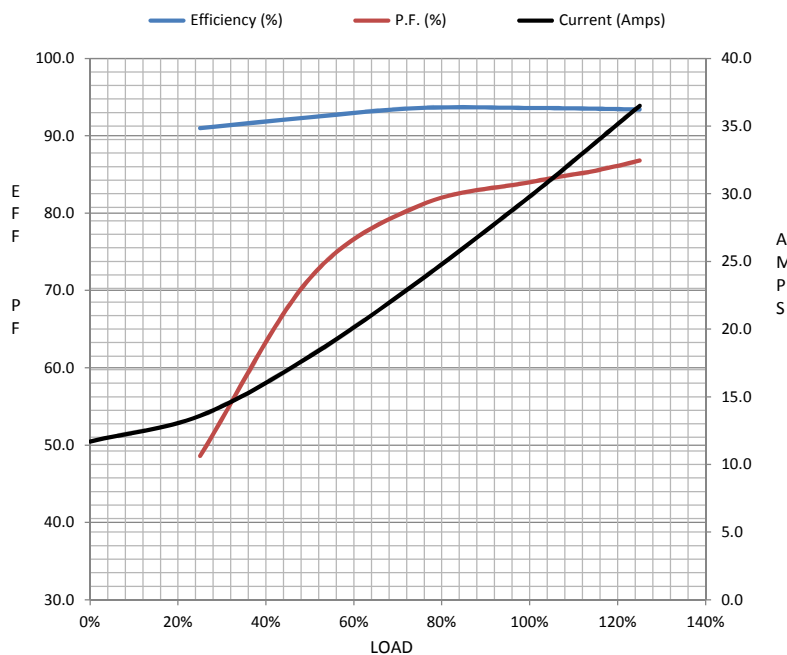
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	11.7	13.6	18.0	23.6	29.8	33.8	36.5	182	
Torque (ft-lb)	0.00	18.8	37.5	56.3	74.0	85.1	93.8	141	
RPM	1800	1795	1790	1785	1775	1,772	1770	0	
Efficiency (%)		91.0	92.4	93.6	93.6	93.5	93.4		
P.F. (%)	5.2	48.6	71.6	81.0	84.0	85.5	86.8	35.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1675	1775	1800
Current (Amps)	182	150	125	29.8	11.7
Torque (ft-lb)	141	115	185	74.0	0.00

Information Block

HP	25.0			
Sync. RPM	1800			
Frame	284			
Enclosure	DP			
Construction	TDC			
Voltage	3-230/460#200/4V			
Frequency	60 Hz			
Design	B			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	45 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.00 Lb-Ft ²			
Ref Wdg	T14504007 NONE			
Sound Pressure @ 1M	75 dBA			
VFD Rating	NONE			
Outline Dwg	169552_60ME			
Conn. Diag	004172-01ME			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed -Torque Curve

