

# PRODUCT INFORMATION PACKET

marathon®  
Motors

Model No: 449TVFS6543  
Catalog No: Y908  
300,1800,TEFC,449T(BAR),3/60/2300/4000



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RegalRexnord

## Nameplate Specifications

## Technical Specifications

Shaft Diameter	3.375 in
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**CERTIFICATION DATA SHEET**

**Model#:** 449TVFS6543 AH  
**CONN. DIAGRAM:** A-EE7304  
**OUTLINE:** B-SS516690-2875

**WINDING#:** V4494106 NONE 0  
**ASSEMBLY:** F1/F2 CAPABLE

**TYPICAL MOTOR PERFORMANCE DATA**

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
300	224	1800	1788	447/449T	TEFC	G	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	2300/4000	67/38.5	ACROSS THE LINE	CONTINUOUS	H1	1.15	40	3300

FULL LOAD EFF: 95.8	3/4 LOAD EFF: 95.4	1/2 LOAD EFF: 94.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 87.5	3/4 LOAD PF: 85.5	1/2 LOAD PF: 79	95	SQ CAGE IND RUN	20 / 11.5

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
882 LB-FT	440 / 253	1025 LB-FT 116	2400 LB-FT 272	75

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
88 dBA	98 dBA	125 LB-FT^2	- LB-FT^2	20 SEC.	-	3500 LBS.

**\*\*\* SUPPLEMENTAL INFORMATION \*\*\***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	PREMIUM SEVERE DUTY	NONE	FALSE	NONE	BLUE (EPOXY)

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
6319	6318						

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  
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T  
E  
S  
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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 07:31:46 AM  
 FORM 3531 REV.3 02/07/99  
 \*\* Subject to change without notice.

Data Sheet

Date: 6/20/2017

Customer: \_\_\_\_\_

Attention: \_\_\_\_\_

Submitted by: FAREEDA DUDEKULA



449TVFS6543

Submittal

Data @ 4000 V

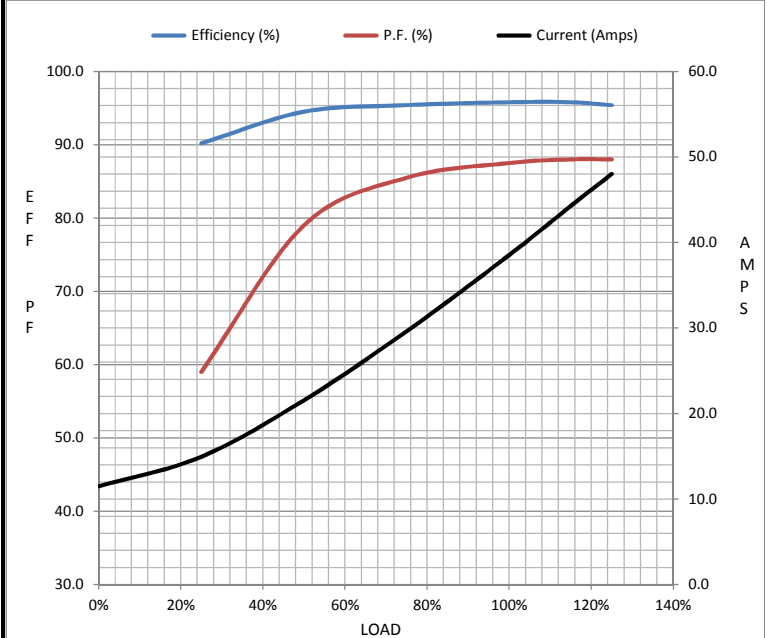
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	11.5	15.0	21.6	29.6	38.5	44.3	48.0	253
Torque (ft-lb)	0.00	220	440	660	882	1,015	1,105	1,025
RPM	1800	1798	1795	1790	1788	1,786	1784	0
Efficiency (%)		90.2	94.5	95.4	95.8	95.8	95.4	
P.F. (%)	7.0	59.0	79.0	85.5	87.5	88.0	88.0	19.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1750	1788	1800
Current (Amps)	253	230	144	38.5	11.5
Torque (ft-lb)	1,025	900	2,400	882	0.00

Information Block				
HP	300.0			
Sync. RPM	1800			
Frame	449			
Enclosure	TEFC			
Construction	TFN			
Voltage	2300/4000 V			
Frequency	60 Hz			
Design	A			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	75 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk <sup>2</sup>	125 Lb-Ft <sup>2</sup>			
Ref Wdg	V4494106 NONE			
Sound Pressure @ 1M	88 dBA			
VFD Rating	NONE			
Outline Dwg	B-SS516690-2875			
Conn. Diag	A-EE7304			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.5920	0.4640	6.2100	9.4940	198.4360



Speed -Torque Curve

