

PRODUCT INFORMATION PACKET

Model No: 449TVFS16549

Catalog No: Y900

150 HP, Medium And High Voltage NEMA Motors, 3 phase, 1800 RPM, 2300/4000 V,449T Frame, TEFC



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Nameplate Specifications

Technical Specifications

Shaft Diameter	3.375 in
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CERTIFICATION DATA SHEET

Model#: 449TVFS16549 AA
CONN. DIAGRAM: A-EE7304
OUTLINE: B-SS515631-2875

WINDING#: V4494176 NONE 0
ASSEMBLY: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
150	112	1800	1785	447/449T	TEFC	G	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	2300/4000	36/20.7	ACROSS THE LINE	CONTINUOUS	H1	1.15	40	3300

FULL LOAD EFF: 93.6	3/4 LOAD EFF: 93	1/2 LOAD EFF: 90.2	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 83.5	3/4 LOAD PF: 80.5	1/2 LOAD PF: 73	92.4	SQ CAGE IND RUN	12.5 / 7.2

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
441 LB-FT	217 / 124.8	600 LB-FT 136	1050 LB-FT 238	65

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
88 dBA	98 dBA	79 LB-FT^2	- LB-FT^2	20 SEC.	-	2650 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

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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 07:30:29 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



449TVFS16549

Submittal

Data @ 4000 V

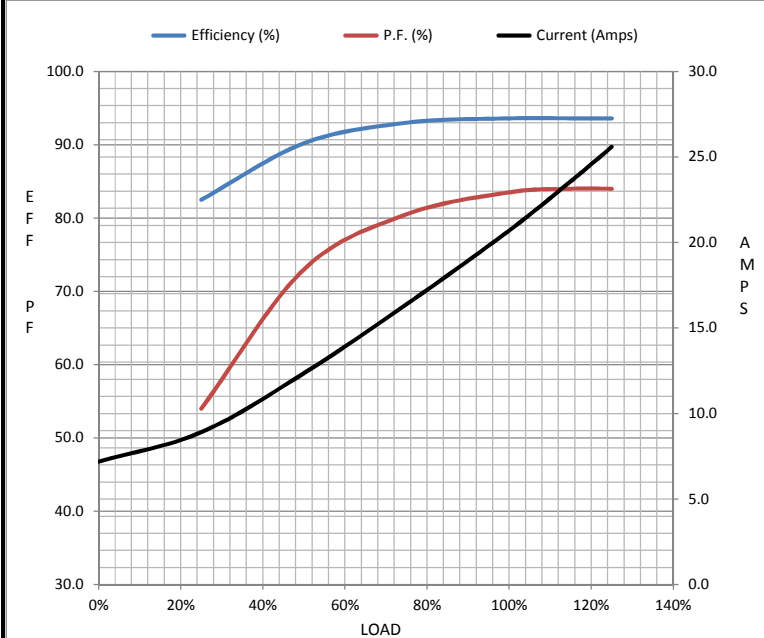
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	7.2	8.9	12.4	16.4	20.7	23.6	25.6	125
Torque (ft-lb)	0.00	110	220	330	441	508	553	600
RPM	1800	1796	1792	1790	1785	1,782	1780	0
Efficiency (%)		82.5	90.2	93.0	93.6	93.6	93.6	
P.F. (%)	9.0	54.0	73.0	80.5	83.5	84.0	84.0	22.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	800	1725	1785	1800
Current (Amps)	125	101	71.9	20.7	7.2
Torque (ft-lb)	600	525	1,050	441	0.00

Information Block				
HP	150.0			
Sync. RPM	1800			
Frame	449			
Enclosure	TEFC			
Construction	TFN			
Voltage	2300/4000 V			
Frequency	60 Hz			
Design	B			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	65 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	79.0 Lb-Ft ²			
Ref Wdg	V4494176 NONE			
Sound Pressure @ 1M	88 dBA			
VFD Rating	NONE			
Outline Dwg	B-SS515631-2875			
Conn. Diag	A-EE7304			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
1.2160	0.9300	11.1590	16.7380	317.5980



Speed -Torque Curve

