



Customer information packet

VEM3554T

1.5HP, 1760RPM, 3PH, 60HZ, 145TC, 3526M, TEFC

ELECTRIC MOTOR WHOLESale.COM

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	145TC
Frame Material	Steel
Frequency	60.00 Hz
Output @ Frequency	1.500 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ 230.0 V @ 60 HZ
XP Class and Group	None
XP Division	Not Applicable
Agency Approvals	CSA CSA EEV UR
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	2.200 A @ 460.0 V 4.400 A @ 230.0 V 4.500 A @ 208.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	86.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater

Part detail

Revision	M
Type	AC
Mech. spec.	35A003
Base	
Status	PRD/A
Elec. spec.	35WGM493
Layout	35LYA003
Eff. date	03-13-2018
CD Diagram	CD0005
Poles	04
Leads	9#18
Proprietary	False
Created date	06-13-2011

High Voltage Full Load Amps	2.2 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	L
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3526M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	13.29 IN
Power Factor	73
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	0.875 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1760 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP3441LUA									
CAT.NO.	VEM3554T								
SPEC	35A003M493G1								
HP	1.5								
VOLTS	230/460								
AMPS	4.4/2.2								
RPM	1760								
FRAME	145TC		HZ	60		PH	3		
SF	1.15	CODE	L	DES	B	CLASS	F		
NEMA NOM. EFF	86.5	PF	73						
RATING	40C AMB-CONT								
CC	010A		USABLE AT 208V				4.5		
ENCL	TEFC	SER							
DE	6205		ODE	6203					
VPWM INVERTER READY									
CT6-60H(10:1)VT3-60H(20:1									
	50Hz 1.5HP 190/380V 5/2.5A							SF1.0	

Parts list

Part number	Description	Quantity
SA225470	SA 35A003M493G1	1.000 ea
RA212566	RA 35A003M493G1	1.000 ea
34FN3002B01	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 ea
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 ea
35CB3007	35 CB CASTING W/.88 DIA. LEAD HOLE	1.000 ea
36GS1000SP	GASKET-CONDUIT BOX, .06 THICK #SV-330 LE	1.000 ea
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	2.000 ea
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 ea
35EP3122A00	MASTER ODE,203 BRG,.683SH,#26 DRN,GRSR,F	1.000 ea
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 ea
HW5100A03	WAVY WASHER (W1543-017)	1.000 ea
35EP3307D00	MASTER DE,205 BRG,.998SH,#26 DRN,GRSR	1.000 ea
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 ea
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 ea
35FH4005A84SP	IEC FH W/GRSR, NO DIMPLES PRIMED	1.000 ea
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 ea
35CB4521GX	CONDUIT BOX LID KIT **ORDER INDIV PARTS	1.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 ea
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 ea
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 ea
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
MJ1000A02	GREASE, MOBIL POLYREX EM - 124047	0.050 lb
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 ea
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.017 ga
HA3100A15	THRUBOLT 10-32 X 8.375	4.000 ea
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 ea
NP3441LUA	ALUM SUPER-E VPWM INV READY UL CSA-EEV C	1.000 ea
36PA1000	PKG GRP, PRINT PK1016A06	1.000 ea
PK3082	STYROFOAM CRADLE	1.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 3/19	1.000 ea
PE-0000001	ZRTG PE ASSEMBLY	1.000 ea

FE-0000001

ZRTG FE ASSEMBLY

1.000 ea

AC Induction Motor Performance Data

Record # 64659

Typical performance - not guaranteed values

Winding: 35WGM493-R078		Type: 3526M	Enclosure: TEFC
Nameplate Data		460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1.5	Full Load Torque	4.47 LB-FT
Volts	230/460	Start Configuration	direct on line
Full Load Amps	4.4/2.2	Breakdown Torque	19.2 LB-FT
R.P.M.	1760	Pull-up Torque	9.4 LB-FT
Hz	60 Phase	Locked-rotor Torque	13.4 LB-FT
NEMA Design Code	B KVA Code	Starting Current	18.3 A
Service Factor (S.F.)	1.15	No-load Current	1.37 A
NEMA Nom. Eff.	86.5 Power Factor	Line-line Res. @ 25°C	10.1 Ω
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	44°C
S.F. Amps		Temp. Rise @ S.F. Load	52°C
		Locked-rotor Power Factor	51.5
		Rotor inertia	0.154 LB-FT ²

Load Characteristics 460 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	31	51	65	73	79	83	77
Efficiency	76.2	84.4	86.9	87.1	86.4	85.3	86.7
Speed	1791	1781	1771	1760	1748	1735	1753
Line amperes	1.44	1.61	1.86	2.19	2.58	2.98	2.42

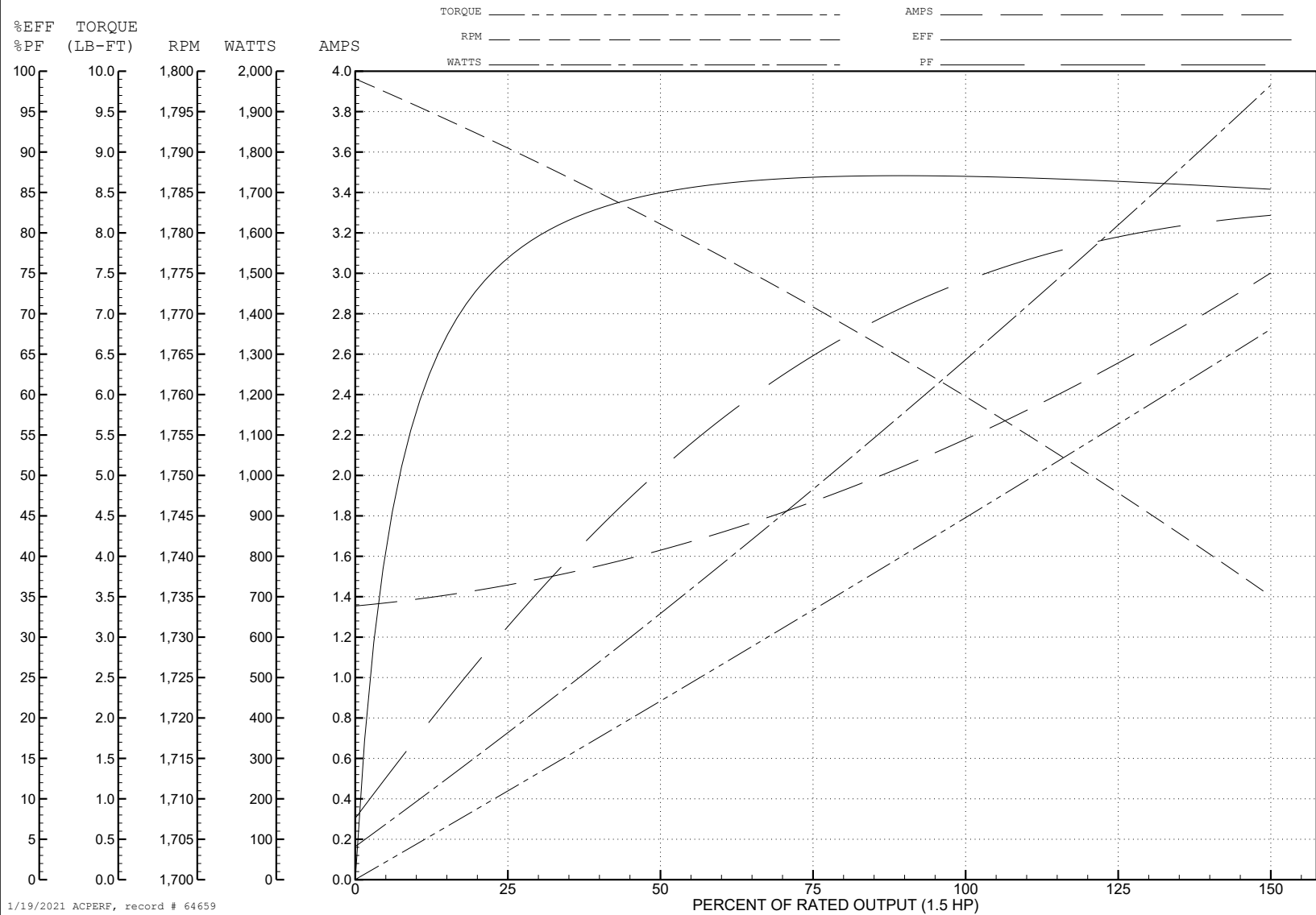
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WINDING # 35WGM493

Typical performance - not guaranteed values.

1.5 HP 3 PH 60 HZ 1760 RPM 460 V 3526M

TORQUES (LB-FT): PO=19.2 PU=9.4 LR=13.4 LRA=18.3



AC Induction Motor Performance Data

Record # 80285

Typical performance - not guaranteed values

Winding: 35WGM493-R078			Type: 3526M		Enclosure: TEFC		
Nameplate Data			230 V, 60 Hz: Low Voltage Connection				
Rated Output (HP)		1.5	Full Load Torque		4.47 LB-FT		
Volts		230/460	Start Configuration		direct on line		
Full Load Amps		4.4/2.2	Breakdown Torque		19.2 LB-FT		
R.P.M.		1760	Pull-up Torque		9.4 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		13.4 LB-FT	
NEMA Design Code		B	KVA Code	L	Starting Current		36.6 A
Service Factor (S.F.)		1.15	No-load Current		2.74 A		
NEMA Nom. Eff.		86.5	Power Factor	73	Line-line Res. @ 25°C		2.52 Ω
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load		44°C
S.F. Amps					Temp. Rise @ S.F. Load		52°C
					Locked-rotor Power Factor		51.5
					Rotor inertia		0.154 lb-ft²

Load Characteristics 230 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	31	51	65	73	79	83	77
Efficiency	76.2	84.4	86.9	87.1	86.4	85.3	86.7
Speed	1791	1781	1771	1760	1748	1735	1753
Line amperes	2.88	3.22	3.72	4.38	5.16	5.96	4.85

ABB Motors and Mechanical Inc.

WINDING # 35WGM493

Typical performance - not guaranteed values.

1.5 HP 3 PH 60 HZ 1760 RPM 230 V 3526M

TORQUES (LB-FT): PO=19.2 PU=9.4 LR=13.4 LRA=36.6

