

BALDOR • RELIANCE

Customer information packet

VEBM3554T-5

1.5HP, 1770RPM, 3PH, 60HZ, 145TC, 3524M, TEFC

Part detail

Revision	H
Type	AC
Mech. spec.	35E060
Base	
Status	PRD/A
Elec. spec.	35WGG122
Layout	35LYE060
Eff. date	05-07-2025
CD Diagram	CD0006
Poles	04
Leads	3#18
Proprietary	True
Created date	03-11-2022

Nameplate

NP1259L									
CAT.NO.	VEBM3554T-5								
SPEC.	35E060G122G1								
HP	1.5								
VOLTS	575								
AMP	1.7								
RPM	1770								
FRAME	145TC		HZ	60		PH	3		
SER.F.	1.15	CODE	M	DES	B	CL	F		
NEMA-NOM-EFF	86.5	PF	74						
RATING	40C AMB-CONT								
CC	010A								
DE	6205		ODE	6203					
ENCL	TEFC	SN							
	SFA 1.9								

Parts list

Part number	Description	Quantity
SA409239	SA 35E060G122G1	1.000 ea
RA400784	RA 35E060G122G1	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
35EP3900T02	SPL FACE MTD FR EP-ENCL-W/STEARNS BRAKE	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
HA1014A02SP	SPL SPACER FOR FAN COVER MTD ON BRAKE	3.000 ea
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	3.000 ea
BR1003A01	BRAKE RELEASE LEVER	1.000 ea
35FH5000A08	FAN COVER ASSY FOR BRAKE MTRS,W/ PRIMER	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, POLYREX EM EXXON	0.050 lb
76BK3100BNF	1-056-031-00-BNF BRAKE TDR# 79345	1.000 ea
MG1050Y01	CELEROL BALDOR GOLD *5 GALLON BUCKET*	0.017 ga
HW2501D08	KEY, 3/16 SQ X .875 AUTO	1.000 ea
84XN3816J28	HEX SOC HD, 3/8-16 X 1.75 LONG	2.000 ea
35FN3002A01SP	EXFN, PLASTIC, 6.376 OD, .625 ID W/FLAT	1.000 ea
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 ea
HA3100A15	THRUBOLT 10-32 X 8.375	4.000 ea

LB1624	COMBINED WARNING LABEL, ISO/ANSI PICTOGR	1.000 ea
LB1404	BRAKE CONNECTION LABEL	1.000 ea
NP1259L	ALUM SUPER-E UL CC NEMA PREMIUM A60	1.000 ea
G7PA1000	PKG GRP, PRINT PK1034A06	1.000 ea
PK3082	STYROFOAM CRADLE	1.000 ea
PK3085X	FOAM SHAFT SUPPORT PRECUT 4-1/4 X 6-3/4	1.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500 bx)11/25	1.000 ea
PE-0000001	ZRTG PE ASSEMBLY	1.000 ea

AC Induction Motor Performance Data

Record # 87553

Typical performance - not guaranteed values

Winding: 35WGG122-R001		Type: 3524M		Enclosure: TEFC				
Nameplate Data			575 V, 60 Hz: High Voltage Connection					
Rated Output (HP)	1.5	Full Load Torque	4.46 LB-FT					
Volts	575	Start Configuration	direct on line					
Full Load Amps	1.7	Breakdown Torque	17.4 LB-FT					
R.P.M.	1770	Pull-up Torque	9.2 LB-FT					
Hz	60 Phase	3	Locked-rotor Torque	11.3 LB-FT				
NEMA Design Code	B	KVA Code	L	Starting Current	14.8 A			
Service Factor (S.F.)	1.15	No-load Current	1 A					
NEMA Nom. Eff.	86.5	Power Factor	77	Line-line Res. @ 25°C	18.8 Ω			
Rating - Duty	40C	AMB-CONT	Temp. Rise @ Rated Load			41°C		
S.F. Amps	1.9	Temp. Rise @ S.F. Load	49°C					
		Locked-rotor Power Factor	58.3					
		Rotor inertia	0.173 lb-ft ²					

Load Characteristics 575 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	36	56	69	77	82	85	81
Efficiency	76.7	84.6	86.5	86.7	85.9	84.7	86.1
Speed	1792	1786	1779	1770	1762	1753	1762
Line amperes	1.06	1.2	1.42	1.7	2.01	2.36	1.85

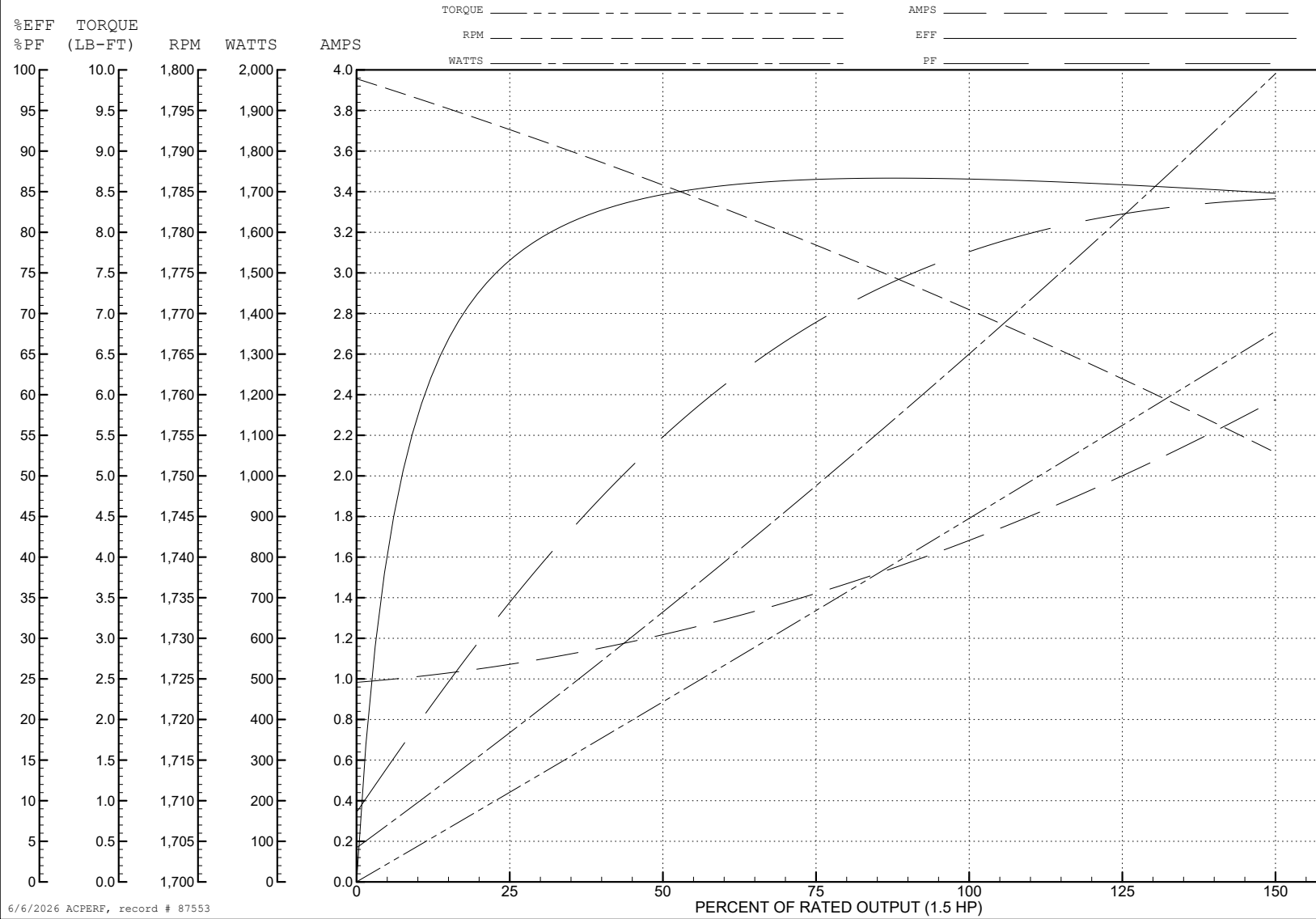
ABB Motors and Mechanical Inc.

WINDING # 35WGG122

1.5 HP 3 PH 60 HZ 1770 RPM 575 V 3524M

Typical performance - not guaranteed values.

TORQUES (LB-FT): PO=17.4 PU=9.2 LR=11.3 LRA=14.8



6/6/2026 ACPERP, record # 87553