

**BALDOR • RELIANCE**

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# Customer information packet

## VEBM3554T-5

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

**Part detail**

<b>Revision</b>	G
<b>Type</b>	AC
<b>Mech. spec.</b>	35E060
<b>Base</b>	
<b>Status</b>	PRD/A
<b>Elec. spec.</b>	35WGG122
<b>Layout</b>	35LYE060
<b>Eff. date</b>	12-18-2024
<b>CD Diagram</b>	CD0006
<b>Poles</b>	04
<b>Leads</b>	3#18
<b>Proprietary</b>	True
<b>Created date</b>	03-11-2022

**Nameplate**

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

**AC Induction Motor Performance Data**

Record # 87553

Typical performance - not guaranteed values

Winding: 35WGG122-R001		Type: 3524M		Enclosure: TEFC	
<b>Nameplate Data</b>			<b>575 V, 60 Hz: High Voltage Connection</b>		
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 <sup>2</sup>		

**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

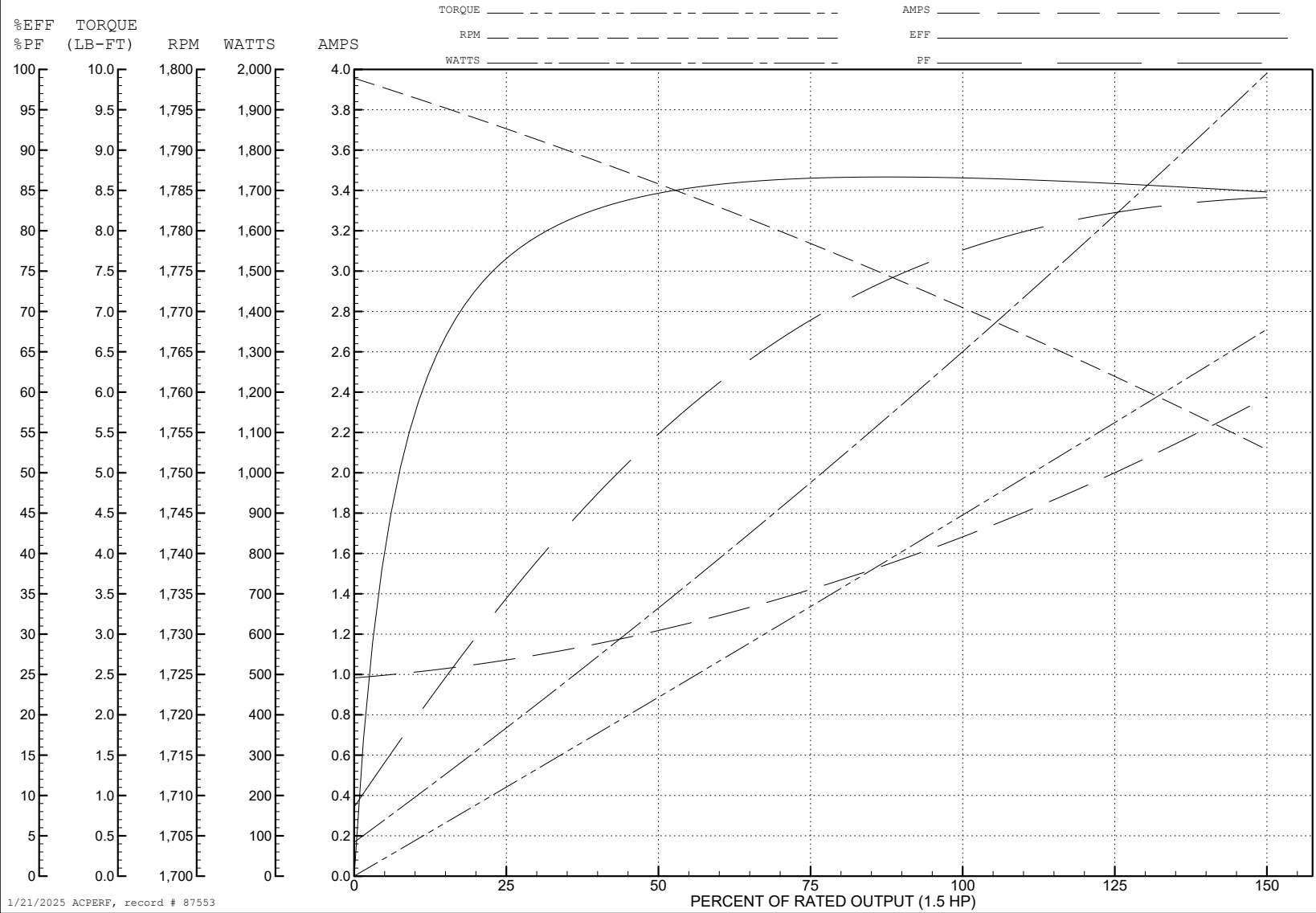
ABB Motors and Mechanical Inc.

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



1/21/2025 ACPERF, record # 87553