

ABB BALDOR RELIANCE III

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										

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-ft²		

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

Typical performance - not guaranteed values.

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

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

