

**BALDOR • RELIANCE**

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# Customer information packet

## M1719

.75/.33HP, 1720/1160RPM, 3PH, 60HZ, 56, 3520M

Class - None

Division - Not Applicable

## Specifications

Enclosure	TEFC
Frame	56
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	.750 HP @ 60 HZ .330 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	UR CSA
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	1.260 A @ 460.0 V
Design Code	-
Drip Cover	No Drip Cover
Duty Rating	CONT
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	0.9 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	J

## Part detail

Revision	D
Type	AC
Mech. spec.	35A011
Base	
Status	PRD/A
Elec. spec.	35WGG354
Layout	35LYA011
Eff. date	06-24-2025
CD Diagram	CD0013
Poles	04/06
Leads	6#18
Proprietary	False
Created date	02-23-2023

<b>Lifting Lugs</b>	No Lifting Lugs
<b>Locked Bearing Indicator</b>	No Locked Bearing
<b>Motor Lead Quantity/Wire Size</b>	6 @ 18 AWG
<b>Motor Lead Termination</b>	Flying Leads
<b>Motor Standards</b>	NEMA
<b>Motor Type</b>	3520M
<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	4 6
<b>Overall Length</b>	12.23 IN
<b>Product Family</b>	General Purpose
<b>Pulley End Bearing Type</b>	Ball
<b>Pulley Face Code</b>	Standard
<b>Pulley Shaft Indicator</b>	Standard
<b>Rodent Screen</b>	None
<b>Service Factor</b>	1.25
<b>Shaft Diameter</b>	0.625 IN
<b>Shaft Ground Indicator</b>	No Shaft Grounding
<b>Shaft Rotation</b>	Reversible
<b>Shaft Slinger Indicator</b>	No Slinger
<b>Speed</b>	1160 rpm 1720 rpm
<b>Speed Code</b>	2S-2W-VT
<b>Starting Method</b>	Direct on line
<b>Thermal Device - Bearing</b>	None
<b>Thermal Device - Winding</b>	None
<b>Vibration Sensor Indicator</b>	No Vibration Sensor
<b>Winding Thermal 1</b>	None
<b>Winding Thermal 2</b>	None

**Nameplate**

<b>NP1256L</b>									
<b>CAT.NO.</b>	M1719								
<b>SPEC.</b>	35A011G354								
<b>HP</b>	.75/.33								
<b>VOLTS</b>	460								
<b>AMP</b>	1.26/.89								
<b>RPM</b>	1720/1160								
<b>FRAME</b>	56		<b>HZ</b>	60		<b>PH</b>	3		
<b>SER.F.</b>	1.25	<b>CODE</b>	J	<b>DES</b>	-	<b>CLASS</b>	F		
<b>NEMA-NOM-EFF</b>		<b>PF</b>							
<b>RATING</b>	40C AMB-CONT								
<b>CC</b>									
<b>DE</b>	6205		<b>ODE</b>	6203					
<b>ENCL</b>	TEFC	<b>SN</b>							
	SFA 1.45/.93								

**Accessories**

<b>Part number</b>	<b>Description</b>	<b>Multiplier</b>
35-8762	C FACE KIT	A8
35EP1506A01SP	D-FLANGE KIT	A8

**AC Induction Motor Performance Data**

Record # 87827

Preliminary Data Sheet

Winding: 35WGG354-R001		Type: 3520M	Enclosure: TEFC
<b>Nameplate Data</b>		<b>460 V, 60 Hz: High Speed Connection</b>	
Rated Output (HP)	.75/.33	Full Load Torque	2.29 LB-FT
Volts	460	Start Configuration	direct on line
Full Load Amps	1.26/.89	Breakdown Torque	6.93 LB-FT
R.P.M.	1720/1160	Pull-up Torque	4.25 LB-FT
Hz	60 Phase 3	Locked-rotor Torque	5.54 LB-FT
NEMA Design Code	- KVA Code J	Starting Current	7.21 A
Service Factor (S.F.)	1.25	No-load Current	0.865 A
NEMA Nom. Eff.	0 Power Factor 0	Line-line Res. @ 25°C	44.1 Ω
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	60°C
S.F. Amps	1.45/.93	Temp. Rise @ S.F. Load	77°C
		Locked-rotor Power Factor	89.5
		Rotor inertia	0.144 lb-ft <sup>2</sup>

**Load Characteristics 460 V, 60 Hz, 0.75 HP**

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	37	54	69	76	83	87	83
Efficiency	54.3	67.9	71.9	73	72	69.5	72
Speed	1781	1763	1744	1722	1695	1662	1695
Line amperes	0.907	0.994	1.08	1.26	1.45	1.69	1.45

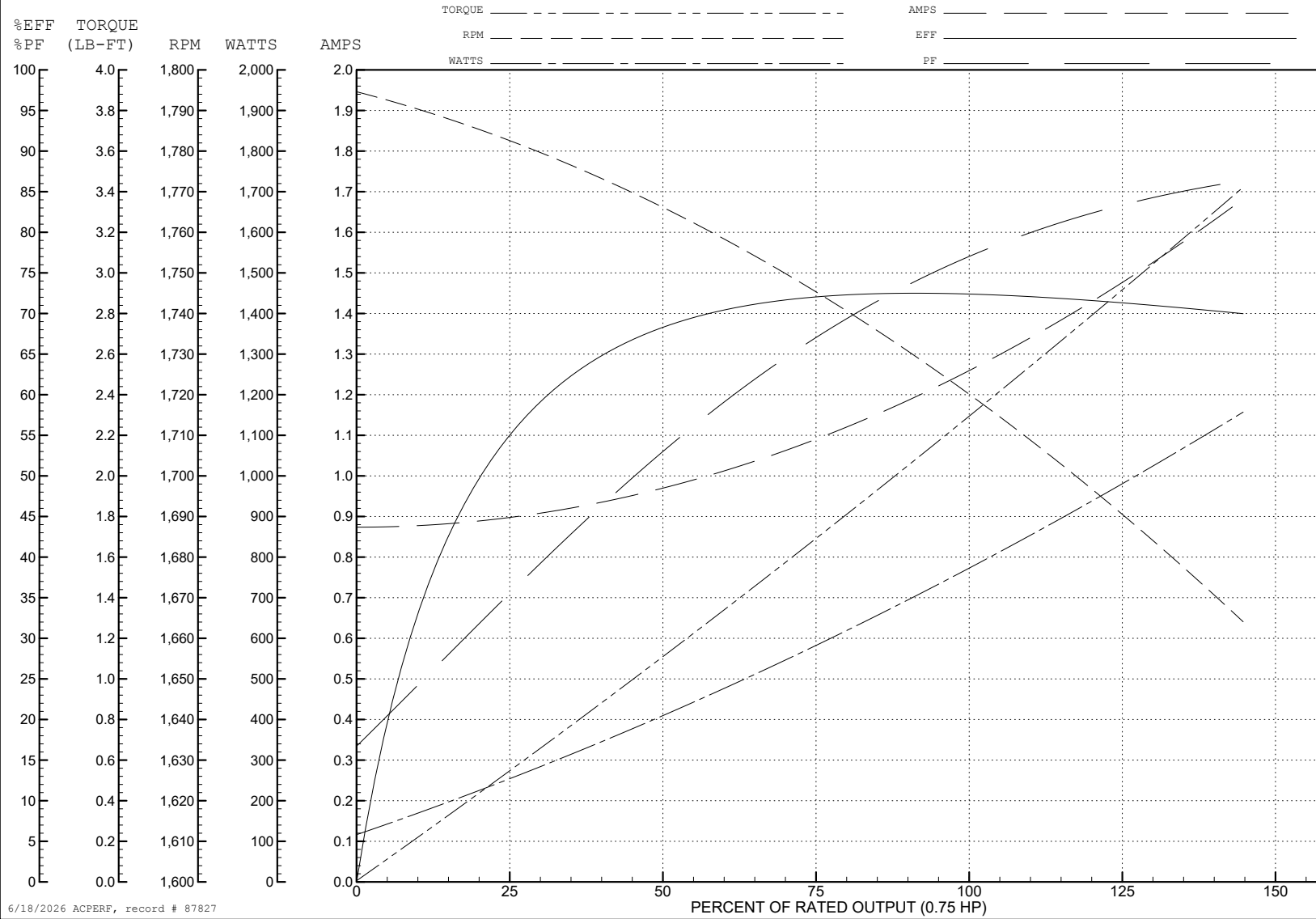
ABB Motors and Mechanical Inc.

WINDING # 35WGG354

0.75 HP 3 PH 60 HZ 1722 RPM 460 V 3520M

Typical performance - not guaranteed values.

TORQUES (LB-FT): PO=6.93 PU=4.25 LR=5.54 LRA=7.21



6/18/2026 ACPERF, record # 87827

**AC Induction Motor Performance Data**

Record # 87828

Preliminary Data Sheet

Winding: 35WGG354-R001		Type: 3520M	Enclosure: TEFC
<b>Nameplate Data</b>		<b>460 V, 60 Hz: Low Speed Connection</b>	
Rated Output (HP)	.75/.33	Full Load Torque	1.48 LB-FT
Volts	460	Start Configuration	direct on line
Full Load Amps	1.26/.89	Breakdown Torque	5.93 LB-FT
R.P.M.	1720/1160	Pull-up Torque	2.76 LB-FT
Hz	60 Phase 3	Locked-rotor Torque	4.06 LB-FT
NEMA Design Code	- KVA Code J	Starting Current	4.11 A
Service Factor (S.F.)	1.25	No-load Current	0.846 A
NEMA Nom. Eff.	0 Power Factor 0	Line-line Res. @ 25°C	81.1 Ω
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	
S.F. Amps	1.45/.93	Temp. Rise @ S.F. Load	
		Locked-rotor Power Factor	89.5
		Rotor inertia	0.144 lb-ft <sup>2</sup>

**Load Characteristics 460 V, 60 Hz, 0.33 HP**

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	27	36	45	54	61	68	61
Efficiency	34.1	50.2	58.9	63.9	66.7	68.1	66.7
Speed	1192	1186	1179	1172	1164	1155	1164
Line amperes	0.844	0.851	0.87	0.901	0.944	1	0.944

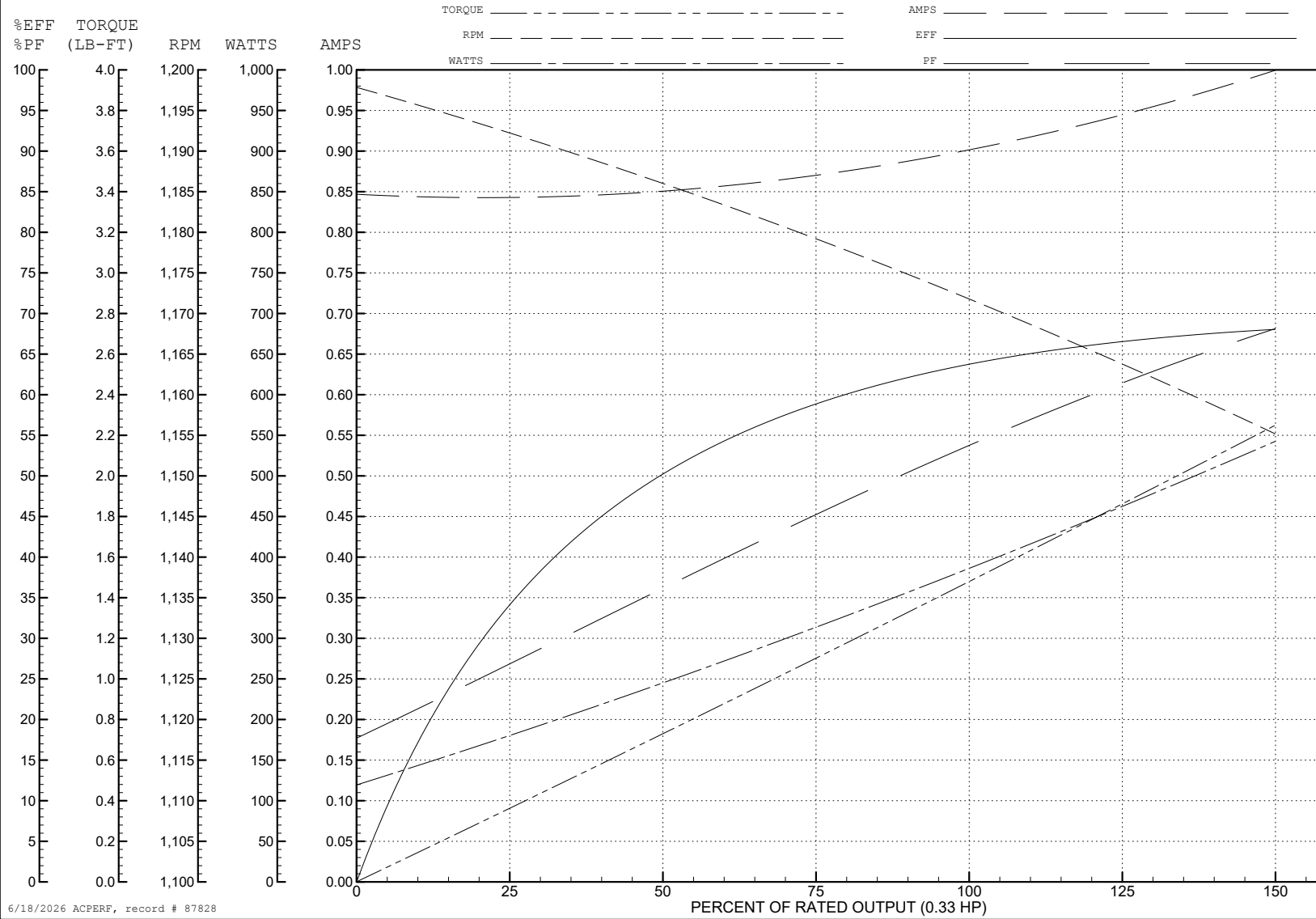
ABB Motors and Mechanical Inc.

WINDING # 35WGG354

Typical performance - not guaranteed values.

0.33 HP 3 PH 60 HZ 1172 RPM 460 V 3520M

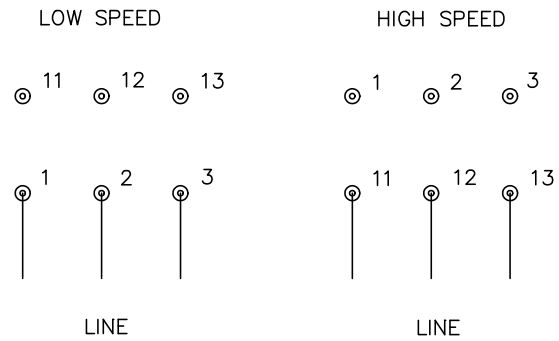
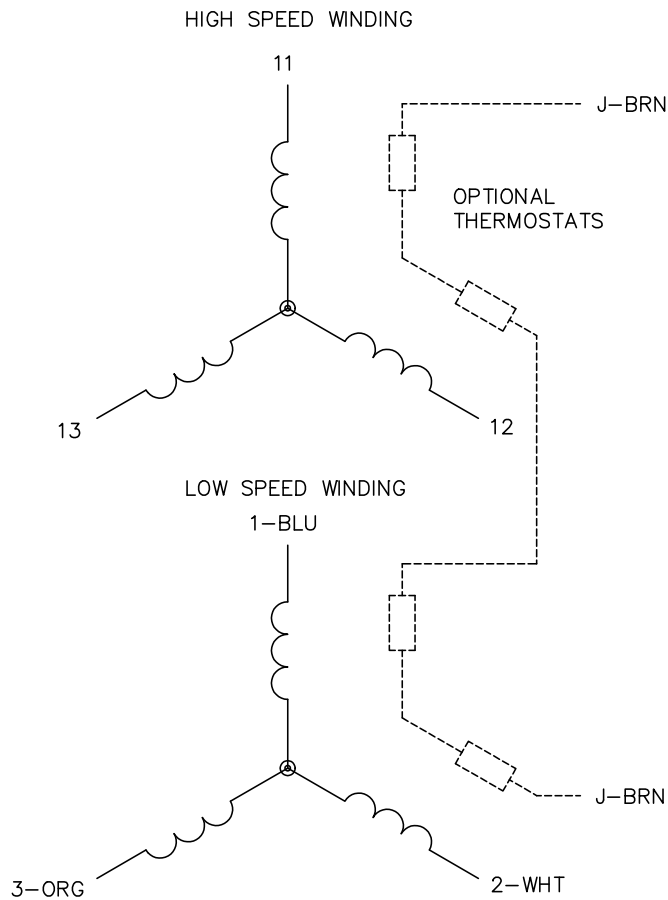
TORQUES (LB-FT): PO=5.93 PU=2.76 LR=4.06 LRA=4.11



6/18/2026 ACPERF, record # 87828



CD0013



NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0013

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: D	BY: JLP	REVISED: 01/22/99 8:50	TDR: 0171435
Ω 10000		FILE: AAA00005143	MDL: -
		MTL: -	

**BALDOR ELECTRIC Co.**

3PH, SV, 6 LEADS, 2-SPEED 2-WINDING