LVD TEST REPORT

EN 60034-1: 2010/AC:2010

Rotating electrical machines -Part 1: Rating and performance

For

Shenzhen Rtelligent Technology Co., Ltd

B301Room 301,B Building,Zhuangbian Industrial park,Nanchang Road,Gushu,Baoan District,Shenzhen,Guangdong China

Series model:

57AM23ED, 20A30EC, 20A42EC, 28A34EC, 28A45EC, 28A005-ZK-H, 28A0012EC, 42A03EC, 42A08EC, 57A1EC, 57A2EC, 57A3EC, 60A2EC, 60A3EC, 86A4EC, 86A8EC, 86A12EC, 42AM06ED, 42AM08ED, 57AM13ED, 57AM26ED,57AM30ED, 60AM22ED, 60AM30ED, 60AM40ED, 86AM45ED, 86AM65ED, 86AM85ED, 86AM100ED, 86AM120ED,42AM08ED-Z2, 57A1E-Z-GZ1616-4-200-001, 57A3ED, 42E260-6.35-2.5-4-205.5-001, 42E240-2.54-1.5-4-40-001

2022-06-17

This Report Conc	erns:	Equipment Type:
Original Report		Stepper Motor Motor(Closed)
Test Engineer:	Eric Tao/	Ente Tao
Report Number:	TH2206052-C03-I	ROLL
Test Date:	2022-06-05 to 202	22-06-77
Reviewed By:	Prince Huang /	Anory
Approved By:	Prince Huang /	Prine Humy
E S	TA	72
Prepared By:	Shenzhen Tian	Hai Test Technology Co.,Ltd.

Note: This test report is limited to the above client company and the product model only. It may not be duplicated without prior written consent of Shenzhen Tian Hai Test Technology Co.,Ltd.

Report No.: TH2206052-C03-R01 Page 1 of 16



TEST REPORT

EN 60034-1: 2010/AC:2010

Rotating electrical machines - Part 1: Rating and performance

Report reference No. TH2206052-C03-R01

Tested by (+signature) Eric Tao

Reviewed by (+ signature) Prince Huang

Approved by (+signature) Prince Huang

Date of issue 2022-06-17

Testing laboratory

Name Shenzhen Tian Hai Test Technology Co., Ltd.

Address 4F, A3 BLDG, The Silicon Valley Power intelligent terminal industrial park,

Guanlan street, Longhua district, Shenzhen

Test location Same as above

Client

Applicant Shenzhen Rtelligent Technology Co.,Ltd

Address B301Room 301,B Building,Zhuangbian Industrial park,Nanchang

Road, Gushu, Baoan District, Shenzhen, Guangdong China

Manufacturer Shenzhen Rtelligent Technology Co.,Ltd

Address B301Room 301,B Building,Zhuangbian Industrial park,Nanchang

Road, Gushu, Baoan District, Shenzhen, Guangdong China

Test specification

Standard EN 60034-1: 2010/AC:2010

Non-standard test method N.A.

Test item

Description Stepper Motor Motor (Closed)

Trademark ---

57AM23ED, 20A30EC, 20A42EC, 28A34EC, 28A45EC, 28A005-ZK-H,

28A0012EC, 42A03EC, 42A08EC, 57A1EC, 57A2EC, 57A3EC, 60A2EC,

60A3EC, 86A4EC, 86A8EC, 86A12EC, 42AM06ED, 42AM08ED,

Model no. 57AM13ED, 57AM26ED,57AM30ED, 60AM22ED, 60AM30ED,

60AM40ED, 86AM45ED, 86AM65ED, 86AM85ED, 86AM100ED,

86AM120ED,42AM08ED-Z2,57A1E-Z-GZ1616-4-200-001, 57A3ED,

42E260-6.35-2.5-4-205.5-001, 42E240-2.54-1.5-4-40-001

Rating(s) DC48V,3A,150W

Note: All tests performed on model:57AM23ED.

Report No.: TH2206052-C03-R01

Page 2 of 16



Test item particulars :	A A
Classification of installation and use	Motor
Supply Connection	Permanent connect
Test case verdicts	
Test case does not apply to the test object:	N(not apply)
Test item does meet the requirement:	P(Pass)
Test item does not meet the requirement:	F(Fail)
Testing	
Date of receipt of test item	2022-06-05
Date (s) of performance of tests	2022-06-05 to 2022-06-17

"(see remark #)" refers to a remark appended to	Note:
the report.	
"(see appended table)" refers to a table appended to the	Attached with:
report.	APPENDIX A - EUT PHOTOGRAPHS
Throughout this report a comma is used as the	4 5
decimal separator.	8 X X X
The test results presented in this report relate only to	
the object tested.	
This report shall not be reproduced except in full	The The The
without the written approval of the testing	F F
Laboratory.	

General product information:

Marking

Stepper Motor Motor (Closed)

Model: 57AM23ED Input: DC48V,3A,150W



Shenzhen Rtelligent Technology Co.,Ltd

B301Room 301,B Building,Zhuangbian Industrial park,Nanchang Road,Gushu,Baoan District,Shenzhen,Guangdong China

Remark:

The height dimension of CE symbol should not less than 5mm, the height dimension of WEEE symbol should not less than 7mm.

Report No.: TH2206052-C03-R01 Page 3 of 16



EN 60034-1: 2010/AC:2010			
Clause	Requirement - Test	Result -Remark	Verdict
	2	49 4	70
4,5	Duty		P
4.1	Declaration of duty	A A	P
71,	The purchaser may describe the duty by one of the follow	ving:	P
	a) numerically, where the load does not vary or where it varies in a known manner;	\$	N
	b) as a time sequence graph of the variable quantities;	6 4	N
N. P. S.	c) by selecting one of the duty types S1 to S10 that is no less onerous than the expected duty.	S9	P
J.	Where the purchaser does not declare a duty, the manufacturer shall assume that duty type S1 (continuous running duty) applies.		N
4.2	Duty types	L	P
4.2.1	Duty type S1 – Continuous running duty	12 7	P
4.2.2	Duty type S2 – Short-time duty	JE JE	N
1.2.3	Duty type S3 – Intermittent periodic duty	J. J.	N
4.2.4	Duty type S4 – Intermittent periodic duty with starting	4	N
4.2.5	Duty type S5 – Intermittent periodic duty with electric braking	£ 5:	N
1.2.6	Duty type S6 – Continuous operation periodic duty	A 1	N
1.2.7	Duty type S7 – Continuous operation periodic duty with electric braking	A STATE OF THE PROPERTY OF THE	N
1.2.8	Duty type S8 – Continuous operation periodic duty with related load/speed changes		S N
1.2.9	Duty type S9 – Duty with non-periodic load and speed variations		N
4.2.10	Duty type S10 – Duty with discrete constant loads and speeds	The state of	NZ
5	Rating		P
5.1 _	Assignment of rating	.5	P
4	In assigning the rating the manufacturer shall select one of the classes of rating defined in 5.2.1 to 5.2.6. The designation of the class of rating shall be written after the rated output. If no designation is stated, rating for		P

Report No.: TH2206052-C03-R01 Page 4 of 16



EN 60034-1: 2010/AC:2010			
Clause	Requirement - Test	Result -Remark	Verdict
	Special considerations are required when assigning ratings to machines fed from or supplying static converters.	THE	N
5.2	Classes of rating	F	P, P
5.2.1	Rating for continuous running duty	<u>^</u>	N
5.2.2	Rating for short-time duty	4 4	N
5.2.3	Rating for periodic duty	THE THE	N
5.2.4	Rating for non-periodic duty	N. L.	P
5.2.5	Rating for duty with discrete constant loads and speeds		P N
5.2.6	Rating for equivalent loading		N
5.3	Selection of a class of rating	LE CONTRACTOR OF THE PROPERTY	A P
J. J	A machine manufactured for general purpose shall have a rating for continuous running duty and be capable of performing duty type S1.	LIFER MINIS	N
THE STATE OF THE S	The duty has not been specified by the purchaser, duty type S1 applies and the rating assigned shall be a rating for continuous running duty.	55	N
1537	When a machine is intended to have a rating for short-time duty, the rating shall be based on duty type S2,	A I I I I I I I I I I I I I I I I I I I	N
Z.	When a machine is intended to supply varying loads or loads including a time of no-load or times where the machine will be in a state of de-energized and at rest, the rating shall be a rating for periodic duty based on a duty type selected from duty types S3 to S8		N Sy
LIMITE	When a machine is intended non-periodically to supply variable loads at variable speeds, including overloads, the rating shall be a rating for non-periodic duty based on duty type S9	THE THE PERSON NAMED IN TH	P
	When a machine is intended to supply discrete constant loads including times of overload or times of no-load (or de-energized and at rest) the rating shall be a rating with discrete constant loads based on duty type S10		N
5.4	Allocation of outputs to class of rating	The Fr	P
- Zx	In the determination of the rating:	T.	P

Report No.: TH2206052-C03-R01 Page 5 of 16



EN 60034-1: 2010/AC:2010			
Clause	Requirement - Test	Result -Remark	Verdict
	For duty types S1 to S8, the specified value(s) of the constant load(s) shall be the rated output(s)		N
i A	For duty types S9 and S10, the reference value of the load based on duty type S1 shall be taken as the rated output	S9	N
5.5	Rated output	150W	P
5.5.1	DC generators	19	P , 6
5.5.2	AC generators	£ 3	N
5.5.3	Motors	150W	P
5.5.4	Synchronous condensers	, A	P
5.6	Rated voltage	48V	P
5.6.1	DC generators		o P
5.6.2	AC generators	3	N
5.7	Co-ordination of voltages and outputs	17 27	P
5.8	Machines with more than one rating	one rating	N
6	Site operating conditions	1,5	P, 5
6.1	General	\$ 5	P
Li	machines shall be suitable for the following site operation	g conditions	P
6.2	Altitude	The altitude not exceed 1 000 m above sea-level.	P
6.3	Maximum ambient air temperature	Maximum Ambient air temperature is 40°C	P
6.4	Minimum ambient air temperature	Minimum ambient air temperature is -15°C	P
TA	The ambient air temperature shall be not less than 0 °C f the following:		P
4	a) rated output greater than 3 300 kW (or kVA) per 1 000 min-1;	4	N
2	b) rated output less than 600 W (or VA);	150W	A P
	c) a commutator;	The state of the s	√ N
. 7	d) a sleeve bearing;	The state of the s	N
Z.	e) water as a primary or secondary coolant.	The state of the s	N
6.5	Water coolant temperature	4	N

Report No.: TH2206052-C03-R01

Page 6 of 16



EN 60034-1: 2010/AC:2010			
Clause	Requirement - Test	Result -Remark	Verdic
4	14 4 4	4 6	2
5.6	Storage and transport	Temperatures not lower than specified in 6.4	P
5.7	Purity of hydrogen coolant	No Hydrogen cooled machines	N
	Electrical operating conditions		P
1	Electrical supply	48V	P
2 4	Form and symmetry of voltages and currents	6	P
2.1	AC motors		N
2.1.1	AC motors rated for use on a power supply of fixed frequency, supply voltage having a harmonic voltage factor (HVF) not exceeding:		N
	- 0,02 for single-phase motors and three-phase motors, including synchronous motors but excluding motors of design N (see EN 60034-12), unless the manufacturer declares otherwise.	A THE STATE OF THE	N
Zil	- 0,03 for design N motors.	AM	N
2.1.2	AC motors supplied from static converters have to tolerate higher harmonic contents of the supply voltage	45	N
2.2	AC generators	£ 6	N
A A A	Three-phase a.c. generators shall be suitable for supplying circuits which, when supplied by a system of balanced and sinusoidal voltages:		N
	a) result in currents not exceeding a harmonic current factor (HCF) of 0,05, and		N
44	b) result in a system of currents where neither the negative-sequence component nor the zero-sequence component exceed 5 % of the positive-sequence component.	7537 14877	N
2.3	Synchronous machines	E E	P
2.4	DC motors supplied from static power converters Voltage and frequency variations during operation	X V.	P N
4	Three-phase a.c. machines operating on unearthed systems	<i>A</i>	N
5	Voltage (peak and gradient) withstand levels	L L	, P
,	Thermal performance and tests	S IN	P
1 3	Thermal class	Class B	P
	Reference coolant	Primary coolant: Air Method of cooling: Indirect Secondary coolant: None	Р

Report No.: TH2206052-C03-R01 Page 7 of 16



F	EN 60034-1: 2010/AC:2010		
Clause	Requirement - Test	Result -Remark	Verdict
4	14 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4 6	74
8.3	Conditions for thermal tests	4 2	P
8.3.1	Electrical supply	48V	P
8.3.2	Temperature of machine before test	. F	P
8.3.3	Temperature of coolant	Air	P
8.3.4	Measurement of coolant temperature during test	23.3℃	Р
8.3.4.1	Open machines or closed machines without heat exchangers (cooled by surrounding ambient air or gas)	Li A	P
8.3.4.2	Machines cooled by air or gas from a remote source through ventilation ducts and machines with separately mounted heat exchangers	H. IA	N
8.3.4.3	Closed machines with machine-mounted or internal heat exchangers		N
8.4	Temperature rise of a part of a machine	4	P
8.5	Methods of measurement of temperature	13 4	P
3.5.1	General	E B	P
N. S.	Three methods of measuring the temperature of windings recognized:	and other parts are	P
	resistance method;	4	P 🙏
	embedded temperature detector (ETD) method;	LE L	N
15	thermometer method.	Z 4	N
3.5.2	Resistance method	12	P
3.5.3	Embedded temperature detector (ETD) method	N. F.	N
8.5.4	Thermometer method		A N
3.6	Determination of winding temperature	, , , , , , , , , , , , , , , , , , ,	P
8.6.1	Choice of method	4 8	P
THE STATE OF THE S	For a.c. machines having a rated output less than or equal to 200 kW (or kVA) the manufacturer shall choose the direct measurement version or the superposition version of the resistance method (see 8.6.2.1), unless otherwise agreed	THE THE	N H
,5	The thermometer method is recognized in the following cases:	4	N
	a) when it is not practicable to determine the temperature rise by the resistance method as,	, And a second	S N
3	b) single layer windings, rotating or stationary;	T. T	N
Z.	c) during routine tests on machines manufactured in large numbers.		N
8.6.2	Determination by resistance method		P

Report No.: TH2206052-C03-R01

Page 8 of 16

EN 60034-1: 2010/AC:2010			
Clause	Requirement - Test	Result -Remark	Verdict
,	142 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	12° A	74
3.6.2.1	Measurement		P
. Z	One of the following methods shall be used:	Z Z	P
1/1	Direct measurement at the beginning and the end of the test, using an instrument having a suitable range;	18	P
5	Measurement by d.c. current/voltage in d.c. windings, by measuring the current in and the voltage across the winding, using instruments having suitable ranges;	4	Р
TA TA	Measurement by d.c. current/voltage in a.c. windings, by injecting direct current into the winding when de-energized.	E A A A A A A A A A A A A A A A A A A A	N
3.6.2.2	Calculation	Z., '.',	P
4	The temperature rise, may be obtained from the equation: $\frac{\theta_2 + k}{\theta_1 + k} = \frac{R_2}{R_1}$		Р
3.6.2.3	Correction for stopping time	A D	P
3.6.2.3.1	General	The measurement of temperatures at the end of the thermal test by the direct measurement resistance method requires a quick shutdown. A carefully planned procedure and an adequate number of people are required.	PH
.6.2.3.2	Short stopping time		∧ N
.6.2.3.3	Extended stopping time	4 4	P
.6.2.3.4	Windings with one coil-side per slot	4 7	P
.6.3	Determination by ETD method	N. I.	P
.6.3.1	General	F	P
	The detectors shall be suitably distributed throughout the of detectors installed shall be not less than six.	winding and the number	P
.6.3.2	Two or more coil-sides per slot	4 24	ΛN
.6.3.3	One coil-side per slot		₹ P
.6.3.4	End windings	F R	Р
.6.4	Determination by thermometer method	7 3	N
.7	Duration of thermal tests	, F	P

Report No.: TH2206052-C03-R01 Page 9 of 16



EN 60034-1: 2010/AC:2010			
Clause	Requirement - Test	Result -Remark	Verdict
8.7.1	Rating for continuous running duty	£ 5	~
8.7.2	Rating for short-time duty	4 4	N
		X X	N
8.7.3	Rating for periodic duty	7, 7,	N
8.7.4	Ratings for non-periodic duty and for duty with discrete constant loads		N
8.8	Determination of the thermal equivalent time constant for machines of duty type S9	15	P
8.9	Measurement of bearing temperature	5	N,
7K	Either the thermometer method or the ETD method may	be used.	
8.10	Limits of temperature and of temperature rise	Limits are given for operation under site operating conditions specified in Clause 6 and at rating for continuous running duty (reference conditions)	P
8.10.1	Indirect cooled windings	187	N
8.10.2	Direct cooled windings	LE ZE	P
8.10.3	Adjustments to take account of hydrogen purity on test	3	N
8.10.4	Permanently short-circuited windings, magnetic cores and all structural components (other than bearings) whether or not in contact with insulation Commutators and sliprings, open or enclosed and their		P
9	brushes and brushgear Other performance and tests	7 4	P
		Z Z	P
9.1	Routine tests	200011401	Р
9.2	Withstand voltage test	3000V AC 1min	P
9.3	Occasional excess current	<u> </u>	△ P
9.3.1	General		P
9.3.2	Generators	13 X	P
9.3.3	Motors (except commutator motors and permanent magnet motors)	A A	P
9.3.4	Commutator machines	7.	N
9.4	Momentary excess torque for motors	75N	Р
9.4.1	Polyphase induction motors and d.c. motors	Can capable of withstanding an excess torque of at least 60 % of their rated torque for 15 s without either stalling or exhibiting an abrupt change of speed	P
9.4.2	Polyphase synchronous motors	R	N
9.4.3	Other motors	7	N

Report No.: TH2206052-C03-R01 Page 10 of 16



EN 60034-1: 2010/AC:2010			
Clause	Requirement - Test	Result -Remark	Verdict
9.5	Pull-up torque	6N.m	P
9.6	Safe operating speed of cage induction motors		N
9.7	Overspeed	7 7	P
9.8	Short-circuit current for synchronous machines	N. S.	P
9.9	Short-circuit withstand test for synchronous machines		P
9.10	Momentary excess torque for motors	, 49	P
9.10.1	Total harmonic distortion (THD) for synchronous machines	THE STATE OF THE S	P
9.10.2	General	The The	P
9.10.3	Limits		P
9.10.4	Tests		Р
10	Rating plates	.42	, P
10.1	General		6 P
10.2	Marking	77, 1	P
ZH	a) The manufacturer's name or mark.	Shenzhen Rtelligent Technology Co.,Ltd	P
TA	b) The manufacturer's serial number, or identification mark.	5	P
MITEST	c) Information to identify the year of manufacture. This shall be marked on the rating plate or be given on a separate data sheet to be provided with the machine.	THE SOLETION OF THE PERSON OF	P
	d) The manufacturer's machine code.	T. T.	Р
	e) For a.c. machines, the number of phases.	A.	A N
	The degree of protection provided by the integral design of the rotating electrical machine (IP code) in accordance with IEC 60034-5.	Lie Hill	P
THE	g) The degree of protection provided by the integral design of the rotating electrical machine (IP code) in accordance with IEC 60034-5.	The state of the s	P
484	h) For motors within the scope of IEC 60034-30, the efficiency class (IE code) and the rated efficiency as specified in IEC 60034-30.		N

Report No.: TH2206052-C03-R01 Page 11 of 16



EN 60034-1: 2010/AC:2010			
Clause	Requirement - Test	Result -Remark	Verdict
,	\$	13 4	74
TO THE TOP OF THE TOP	i) The thermal class and the limit of temperature or of temperature rise (when lower than that of the thermal class) and, if necessary, the method of measurement, followed in the case of a machine with a water-cooled heat exchanger by 'P' or 'S', depending on whether the temperature rise is measured above the primary or secondary coolant respectively (see 8.2). This	Class B	P
	information shall be given for both stator and rotor (separated by a slash) when their thermal class differ.	THE WAY	
(IR	j) The class(es) of rating of the machine if designed for other than rating for continuous running duty S1, see 5.2.	S9	N
	k) The rated output(s) or range of rated output.	150W	P
5	l) The rated voltage(s) or range of rated voltage.	48V	P
Ú	m) For a.c. machines the rated frequency or range of rated frequency.	The state of	N
The state of the s	n) For synchronous machines excited by permanent magnets the open circuit voltage at rated speed.	The State	P
, P	o) The rated current(s) or range of rated current.	3A	P
	p) The rated speed(s) or range of rated speed.	Ś	P S
5	q) The permissible overspeed if other than specified in 9.7.	A G	Р
HA I	the maximum safe operating speed if less than in 9.6 or if the machine is designed especially for variable speed operation.	N. W.	N
<u> </u>	r) For d.c. machines with separate excitation or with shunt excitation and for synchronous machines, the rated field voltage and the rated field current.	5 5	P
D R	s) For a.c. machines, the rated power factor(s).	74 3	N
The state of the s	t) For wound-rotor induction machines, the rated open-circuit voltage between slip-rings and the rated slip-ring current.	THE THE	N
Su Like King Control of the Control	u) For d.c. motors with armatures intended to be supplied by static power converters, the identification code of the static power converter in accordance with IEC 60971. Alternatively, for motors not exceeding 5 kW, the rated form factor and the rated alternating voltage at the input terminals of the static power converter, when this exceeds the rated direct voltage of the motor armature circuit.	TO THE WAR THE	P

Report No.: TH2206052-C03-R01 Page 12 of 16



EN 60034-1: 2010/AC:2010				
Clause	Requirement - Test	Result -Remark	Verdict	
4	16 m 1 4 11 4 14 4 10 10 11 11	14000		
	v) The maximum ambient air temperature, if other than 40 °C. The maximum water coolant temperature, if other than 25 °C.	40℃	P	
4	w) The minimum ambient air temperature if other than specified in 6.4.	-15℃	P	
A/A	x) The altitude for which the machine is designed (if exceeding 1 000 m above sea-level).	24 7	N	
N. M.	y) For hydrogen-cooled machines, the hydrogen pressure at rated output.	NA IN	N	
	z) When specified, the approximate total mass of the machine, if exceeding 30 kg.		N	
	aa) For machines suitable for operation in only one direction of rotation, the direction of rotation, indicated by an arrow. This arrow need not be on the rating plate, but it shall be easily visible.	A A A A A A A A A A A A A A A A A A A	P	
THE STATE OF THE S	bb) The connecting instructions in accordance with IEC 60034-8 by means of a diagram or text located near the terminals.	The state of the s	P	
11	Miscellaneous requirements	4	P	
1.1	Protective earthing of machines	7 5	N	
HA I	Machines shall be provided with an earthing terminal or another device to permit the connection of a protective conductor or an earthing conductor. The symbol legend shall identify this device	I I MINE	N	
S AH	The earthing terminal shall be designed to ensure a good connection with the earthing conductor without any damage to the conductor or terminal.	A SULLANDON	N	
1.2	Shaft-end key(s)	Tr. V.	N-X	
2	Tolerances	25	P	
2.1	General	6	Р	
2.2	Tolerances on values of quantities		Å P	
.3	Electromagnetic compatibility (EMC)	ZY.	P	
3.1	General	The The	P	
3.2	Immunity	, F	P	

Report No.: TH2206052-C03-R01 Page 13 of 16



EN 60034-1: 2010/AC:2010				
Clause	Requirement - Test	Result -Remark	Verdict	
	(S)	19 1	14	
13.2.1	Machines not incorporating electronic circuits Machines without electronic circuits are not sensitive to electromagnetic		P	
13.2.2	Machines incorporating electronic circuits	N. A.	P	
13.3	Emission	<u></u>	Р	
13.3.1	Machines without brushes	4	N	
13.3.2	Machines with brushes	4 7	P	
13.4	Immunity tests	The The	P	
13.5	Emission tests		P P	
13.5.1	Machines without brushes	<u> </u>	N	
13.5.2	Machines with brushes	L. L. L.	A P	
14	Safety	1/2 1/4	P	
ALTEST THEME	Rotating machines in accordance with this standard shall comply with the requirements of IEC 60204-1 or IEC 60204-11 or, in the case of rotating machines incorporated in household and similar electrical appliances, IEC 60335-1, as appropriate unless otherwise specified in this standard, and be designed and constructed as far as possible in accordance with internationally accepted best design practice, appropriate to the application.	IEC 60204-1	PAR SAINT	

Report No.: TH2206052-C03-R01 Page 14 of 16

EUT PHOTOGRAPHS





Report No.: TH2206052-C03-R01 Page 15 of 16







****** END OF THE REPORT *******

Report No.: TH2206052-C03-R01 Page 16 of 16