International Center for Quality Certification - ICQC LLC
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SIA „International Center for Quality Certification - ICQC"
Reģ. Nr.LV40103539825
Skolas iela 63-19, Jūrmala, LV-2016, Latvija

Notified Body 2549

EN ISO/IEC 17065
S1-499

(1) EU-TYPE EXAMINATION CERTIFICATE

(2) **Equipment and protective systems intended for use in potentially explosive atmospheres – Directive 2014/34/EU**

(3) EU-Type Examination Certificate Number: **ICQC 23 ATEX 0492 X** **Issue: 0**

(4) Equipment: **Vibrator Motors Model S-X-YY**

(5) Applicant: **Saideep Vibrators PVT LTD**
Plot No: 17, 18, 19 & 21, Palghar Taluka Industrial Co-operative Estate, Palghar-Boisar Road, Palghar West-401404, Maharashtra, India.

(6) Manufacturer: **Saideep Vibrators PVT LTD**
Plot No: 17, 18, 19 & 21, Palghar Taluka Industrial Co-operative Estate, Palghar-Boisar Road, Palghar West-401404, Maharashtra, India.

(7) This equipment and any acceptable variations, also documents which are specified in the schedule to this certificate.

(8) The certification body ICQC, Notified body No. 2549 in accordance with Article 17 of the Directive 2014/34/EU of the European Parliament and the Council of 26 February 2014, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, given in Annex II to the Directive.
The examination and test results are recorded in confidential report No. **492/2023/04/ATEX**

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC60079-0:2018, EN 60079-31:2014

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This EU-Type Examination Certificate relates only to the design and the construction of the specified equipment in accordance with Directive 2014/34/EU. Further requirements of this Directive apply to the manufacture and supply of this equipment. These are not covered by the certificate

(12) The marking of the equipment or protective system shall include the following:

II 2D Ex tb IIIC T100/115°C Db for motors with Aluminum Body
II 2D Ex tb IIIC T135/150°C Db for motors with Cast Iron Body
-20°C≤Ta≤+40°C or -20°C≤Ta≤+55°C – see schedule to Certificate

Head of Certification Body: Sergey Kovalev

Date of issue: 03 May 2023
Jurmala, Latvia

(13) SCHEDULE

(14) **to EU-TYPE EXAMINATION CERTIFICATE: ICQC 23 ATEX 0492 X** **Issue: 0**

(15) **Description of Equipment:**

Vibrator Motors are used as flow aids, on screens, hoppers, or silos to improve material discharge, or as drives on vibrating machines for several purposes such as conveying, screening, sizing, or compacting in a variety of industries.

The motors are asynchronous motors with a centrifugal counter-weight at both ends of the motor shaft to produce the shaker action.

The enclosure of the motor is made in aluminum or spheroidal grey cast iron. The end covers are made of mild steel or Stainless Steel or Aluminum. The Terminal box cover is made of Aluminum. Rubber gasket is provided for Degree of protection IP66.

Model designation: S-X-YY

S: Saideep

X: Number of pole, A: 2 Pole, B: 4 Pole, C: 6 Pole, D: 8 Pole

YY: Centrifugal Force

Technical characteristics:

Body No.	Body material	Voltage and Frequency	2 Pole	4Pole	6Pole	8Pole
10	Aluminium	415 V / 50Hz	SA60(0.08kw)	SB40(0.04kw)	---	---
			SA100(0.10kw)			
20	Aluminium		SA200(0.18kw)	SB90(0.09kw)	---	---
30	Aluminium		SA300(0.27kw)	SB200(0.16kw)	SC50(0.12kw)	---
			SA400(0.30kw)		SC100(0.12kw)	
40	Aluminium		SA500(0.50kw)	SB400(0.30kw)	SC200(0.18kw)	SD150(0.23kw)
			SA700(0.66kw)	SB500(0.35kw)		
50	Aluminium		SA800(0.75kw)	SB700(0.62kw)	SC300(0.35kw)	SD250(0.35kw)
			SA1200(0.95kw)	SB1100(0.65kw)	SC500(0.35kw)	SD400(0.35kw)
			SA1300(1.3kw)	---	---	
52	Aluminium		---	SB1200(0.75kw)	SC600(0.35kw)	---
53	Aluminium		---	---	SC710(0.68kw)	---
					SC850(0.82kw)	
55	Aluminium		---	SB1410(0.9kw)	SC810(0.68kw)	SD910(0.4kw)
				SB1710(1.15kw)	SC1110(0.75kw)	
				SB2310(1.5kw)		
60	SG IRON		SA1600(1.57kw)	SB1400(0.9kw)	SC800(0.68kw)	SD650(0.50kw)
			SA2000(2.0kw)	SB1700(1.15kw)	SC1100(0.75kw)	SD900(0.65kw)
			SA2300(2.4kw)	SB2400(1.6kw)	SC1500(0.1.1kw)	
70	SG IRON		---	SB2500(1.8kw)	SC1600(1.1kw)	SD1300(1.2kw)
				SB3000(1.8kw)	SC2100(1.5kw)	
75	SG IRON		SA3200(2.9kw)	SB3800(2.2kw)	SC2600(1.96kw)	SD2100(1.5kw)
			SA4000(2.9kw)	SB4300(2.5kw)	SC3000(2.2kw)	
			SA5000(4.0kw)			
80	SG IRON		---	SB5500(3.6kw)	SC3800(2.5kw)	SD3100(2.0kw)
					SC4700(3.2kw)	SD3800(2.5kw)

The maximum ambient temperature, motor body size and assigned maximum surface temperature:

Size	Temperature class	
	+40 ºC	+55 ºC
10 to 55	T100 ºC	T115 ºC
60 to 80	T135 ºC	T150 ºC

Warning markings:
WARNING - DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE MAY BE PRESENT.
WARNING - ELECTROSTATIC CHARGING HAZARD- SEE INSTRUCTION
WARNING - CABLE AND CABLE GLAND MUST BE SUITABLE FOR TEMPERATURE OF +80 °C

(16) **Descriptive Documents:**

INSTRUCTION AND OPERATING MANUAL SAI/INS/REV0

The drawings are listed in Evaluation report No: 492/2023/04/ATEX

Certificate History:

Issue/Date	Evaluation report	Comment
Issue 0 from 03.05.2023	492/2023/04/ATEX	The release of the prime certificate.

(17) **Specific conditions of use:**

17.1 The Vibrator Motor can be used with an inverter too, in this case, the equipment shall be provided with thermistor to avoid the temperature exceeds 130°C.

17.2 The cables and cable glands must be suitable for an operating temperature of at least +80 °C.

17.3. User should avoid a formation of dust layer on the equipment. Cleaning of Vibrator Motor surface should be done only with damp cloth.

(18) **Essential Health and Safety Requirements:**

Met by compliance with the standards mentioned in clause (9).

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Notified Body 2549

EN ISO/IEC 17065
S1-499

(1) EU-TYPE EXAMINATION CERTIFICATE

(2) **Equipment and protective systems intended for use in potentially explosive atmospheres – Directive 2014/34/EU**

(3) EU-Type Examination Certificate Number: **ICQC 24 ATEX 0527 X** **Issue: 0**

(4) Equipment: **Vibrator Motors Model S-X-YY**

(5) Applicant: **Saideep Vibrators PVT LTD**
Plot No: 17, 18, 19 & 21, Palghar Taluka Industrial Co-operative Estate, Palghar-Boisar Road, Palghar West-401404, Maharashtra, India.

(6) Manufacturer: **Saideep Vibrators PVT LTD**
Plot No: 17, 18, 19 & 21, Palghar Taluka Industrial Co-operative Estate, Palghar-Boisar Road, Palghar West-401404, Maharashtra, India.

(7) This equipment and any acceptable variations, also documents which are specified in the schedule to this certificate.

(8) The certification body ICQC, Notified Body No. 2549 in accordance with Article 17 of the Directive 2014/34/EU of the European Parliament and the Council of 26 February 2014, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, given in Annex II to the Directive.
The examination and test results are recorded in confidential report No. **527/2024/04/ATEX**

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018+AC:2020-02, EN IEC 60079-7:2015+A1:2018+A11:2024

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This EU-Type Examination Certificate relates only to the design and the construction of the specified equipment in accordance with Directive 2014/34/EU. Further requirements of this Directive apply to the manufacture and supply of this equipment. These are not covered by the certificate

(12) The marking of the equipment or protective system shall include the following:

Ex **II 2G Ex eb IIC T3 Gb**
-20 °C ≤ Ta ≤ +50°C

Head of Certification Body: Sergey Kovalev

Date of issue: 31 October 2024
Jurmala, Latvia

(13) SCHEDULE

(14) to EU-TYPE EXAMINATION CERTIFICATE: ICQC 24 ATEX 0527 X — Issue: 0

(15) Description of Equipment:

Vibrator Motors are used as flow aids, on screens, hoppers, or silos to improve material discharge, or as drives on vibrating machines for several purposes such as conveying, screening, sizing, or compacting in a variety of industries.
The motors are asynchronous motors with a centrifugal counter-weight at both ends of the motor shaft to produce the shaker action.
The enclosure of the motor is made in aluminum or spheroidal grey cast iron. The end covers are made of mild steel or Stainless Steel or Aluminum. The Terminal box cover is made of Aluminum. Rubber gasket is provided for Degree of protection IP66.
The stator winding can be optionally equipped with PTC thermistor for temperature control.

Model designation: S-X-YY

S: Saideep

X: Number of pole, A: 2 Pole, B: 4 Pole, C: 6 Pole, D: 8 Pole

YY: Centrifugal Force

Technical characteristics:

2 POLE

Sr.no.	Body no.	Model no.	kW/Pole	Ia/In	tE, c
1	20	SA200	0.18/2P	7	10
2	30	SA300	0.27/2P	7	10
3	30	SA400	0.3/2P	7	10
4	40	SA500	0.5/2P	7	10
5	40	SA700	0.66/2P	7	10
6	50	SA800	0.75/2P	7	10
7	50	SA1200	0.95/2P	7	10
8	50	SA1300	1.3/2P	7	10
9	60	SA1600	1.57/2P	7	10
10	75	SA3200	2.9/2P	7	10

6 POLE

Sr.no.	Body no.	Model no.	kW/Pole	Ia/In	tE, c
1	30	SC50	0.12/6P	7	10
2	30	SC100	0.12/6P	7	10
3	40	SC200	0.18/6P	7	10
4	50	SC300	0.35/6P	7	10
5	50	SC500	0.35/6P	7	10
6	52	SC600	0.35/6P	7	10
7	53	SC710	0.68/6P	7	10
8	55	SC810	0.68/6P	7	10
9	55	SC1110	0.75/6P	7	10
10	60	SC800	0.68/6P	7	10
11	60	SC1100	0.75/6P	7	10
12	60	SC1500	1.1/6P	7	10
13	70	SC1600	1.1/6P	7	10
14	70	SC2100	1.5/6P	7	10
15	75	SC2600	1.96/6P	7	10
16	75	SC3000	2.2/6P	7	10
17	80	SC3800	2.5/6P	7	10
18	80	SC4700	3.2/6P	7	10

4 POLE

Sr.no.	Body no.	Model no.	kW/Pole	Ia/In	tE, c
1	20	SB90	0.09/4P	7	10
2	30	SB200	0.16/4P	7	10
3	40	SB400	0.3/4P	7	10
4	40	SB500	0.35/4P	7	10
5	50	SB700	0.62/4P	7	10
6	50	SB1100	0.65/4P	7	10
7	52	SB1200	0.75/4P	7	10
8	55	SB1410	0.9/4P	7	10
9	55	SB1710	1.15/4P	7	10
10	55	SB2310	1.5/4P	7	10
11	60	SB1400	0.9/4P	7	10
12	60	SB1700	1.15/4P	7	10
13	60	SB2400	1.6/4P	7	10
14	70	SB2500	1.8/4P	7	10
15	70	SB3000	1.9/4P	7	10
16	75	SB3800	2.2/4P	7	10
17	75	SB4300	2.5/4P	7	10
18	80	SB5500	3.6/4P	7	10
19	101	STF550	0.3/4P	7	10
20	102	STF1100	0.75/4P	7	10
21	103	SCF1510	1.1/4P	7	10
22	104	SCF2510	1.83/4P	7	10

8 POLE

Sr.no.	Body no.	Model no.	kW/Pole	Ia/In	tE, c
1	40	SD150	0.23/8P	7	10
2	50	SD250	0.35/8P	7	10
3	50	SD400	0.35/8P	7	10
4	55	SD910	0.4/8P	7	10
5	60	SD650	0.5/8P	7	10
6	60	SD900	0.65/8P	7	10
7	70	SD1300	1.2/8P	7	10
8	75	SD2100	1.5/8P	7	10
9	80	SD3100	2/8P	7	10
10	80	SD3800	2.5/8P	7	10

Parameters	Value
Power supply	415V ±10%
Rated Power	From 0.09 kW up to 3.2 kW
Insulation class of stator winding	H-Class Dual Coated Grade-2
Duty cycle	CONTINUOUS (100%)
Intended use	INDOOR / OUTDOOR
Degree of protection	IP 66

Warning markings:
WARNING - DO NOT OPEN WHEN ENERGISED
WARNING - ELECTROSTATIC CHARGING HAZARD- SEE INSTRUCTION

Routine tests:
Manufacturer shall carry out dielectric strength test at 2000 V for duration of 60 seconds according to Cl. 7.1 of EN IEC 60079-7:2016. No electrical breakdown shall occur.

(16) **Descriptive Documents:**

INSTALLATION OPERATION AND MAINTANCE MANUAL: SAI/1NS/REV0
The drawings are listed in Evaluation report No. 527/2024/04/ATEX

Certificate History:

Issue/Date	Evaluation report	Comment
Issue 0 from 31.10.2024	527/2024/04/ATEX	The release of the prime certificate.

(17) **Specific conditions of use:**

17.1 The cables and cable glands must be suitable for an operating temperature of at least +80^{0}C.

(19) **Essential Health and Safety Requirements:**

Met by compliance with the standards mentioned in clause (9).