

**Form**



Product Service

**Data form for electrical and electronic equipment/components**

Aufbauübersicht für elektrische und elektronische Geräte/Komponenten

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<b>Applicant / Auftraggeber:</b>	Manufacturas Gre S.A. Aritz Bidea 57, Belako Industrialdea 48100 Mungia (Bizkaia) Spain		
<b>Manufacturer / Hersteller:</b>	Ningbo Dongchuan Swimming Pool Equipment Co., Ltd. No.32 Dongbei Road, Dongqiao Industrial Park Haishu 315157 Ningbo PEOPLE'S REPUBLIC OF CHINA		
<b>Authorized person / Bevollmächtigter</b>	Mr. Li Jun		
<b>Factory / Fertigungsstätte:</b>	Ningbo Dongchuan Swimming Pool Equipment Co., Ltd. 50 Nanhai Rd, Dagang Industrial City 315800 Beilun, Ningbo PEOPLE'S REPUBLIC OF CHINA		
<b>Type of equipment / Geräteart:</b>	Self-priming pump		
<b>Type/model / Typenbezeichnung:</b>	04010G01, 04010G02, 04010G03, 04010G04, 04010G05; 71671, 71672, 71673, 71674, 71675		
	Co-license type:		
	SPARTA033	is identical to	04010G01
	SPARTA050	is identical to	04010G02
	SPARTA075	is identical to	04010G03
	SPARTA100	is identical to	04010G04
	SPARTA125	is identical to	04010G05
<b>Serial no. / Seriennr.:</b>	N.A.		
<b>Rated voltage/frequency / Nennspannung/Frequenz:</b>	230V~, 50Hz		
<b>Rated input power/current / Nennaufnahme/Nennstrom:</b>	360W, 520W, 770W, 800W, 1000W; 360W, 520W, 770W, 800W, 1000W 1.7A, 2.5A, 3.5A, 3.5A, 4.4A; 1.7A, 2.5A, 3.5A, 3.5A, 4.4A		
<b>Nennausgangsspannung/-strom / Rated output voltage/current:</b>	n.a.		
<b>Connection to water installation / Anschlussdaten-Wasser:</b>	n.a.		
<b>Dimensions / Abmessungen [HxWxD / HxBxT]:</b>	N.A. [mm / cm / m]		
<b>Weight / Gewicht:</b>	30kg,32kg		
<b>Noise emission / Lärmemission:</b>	04010G01, 04010G02, 71671, 71672: 56 dB (LWA); 04010G03, 04010G04, 04010G05, 71673, 71674, 71675: 61 dB (LWA)		
<b>Ambient temperature / Umgebungstemperatur</b>	<b>min.:</b>	<b>°C max.:</b>	<b>°C</b> <input type="checkbox"/>
<b>Operation / Einsatz:</b>	< 2,000 m above sea level up to m	/	< 2.000 m üNN <input checked="" type="checkbox"/> bis zu m <input type="checkbox"/>
<b>Classification of installation and use /: Installation und Nutzung</b>	Stationary Portable Hand-held	Ortsfest Ortsveränderlich Handgerät	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

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**Main-license test report No.:** 874012008903-00  
**Name of Project manager /** Zhicheng MA  
**Name Projektleiter:**



**Place / Ort:** Zhejiang

**Date / Datum:** 2021-04-28



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	Open-frame	Einbaugerät	<input type="checkbox"/>
<b>Protection class / Schutzklasse:</b>	I: PE-connection	Schutzleiteranschluss	<input checked="" type="checkbox"/>
	II: Double insulation	Schutzisoliert	<input type="checkbox"/>
	III: SELV / internally powered	Schutzkleinspannung / interne Stromversorgung	<input type="checkbox"/>
<b>Degree of protection / Schutzart:</b>	IP X5		<input checked="" type="checkbox"/>
<b>Degree of pollution / Verschmutzungsgrad:</b>	1 <input type="checkbox"/>	2 <input checked="" type="checkbox"/>	3 <input type="checkbox"/>
	I <input type="checkbox"/>	II <input checked="" type="checkbox"/>	III <input type="checkbox"/>
<b>Overvoltage category / Überspannungskategorie:</b>		4 <input type="checkbox"/>	IV <input type="checkbox"/>
<b>Supply connection / Anschlussart:</b>	Nondetachable cord	Feste Anschlussleitung	<input type="checkbox"/>
	Permanent connection	Fester Anschluss	<input checked="" type="checkbox"/>
	Appliance inlet	Gerätesteckvorrichtung	<input type="checkbox"/>
<b>Rated operation / Netzbetriebsart:</b>	Continuous operation	Dauerbetrieb	<input checked="" type="checkbox"/>
	Intermittent operation	Aussetzbetrieb	<input type="checkbox"/>
	Short time operation	Kurzzeitbetrieb	<input type="checkbox"/>

**Additional information for Laser equipment, classification according to IEC/EN 60825**

Zusätzliche Angaben für Laser, Klassifizierung nach IEC/EN 60825

**Class / Klasse:** N.A.  
**Wavelength / Wellenlänge:** N.A.  
**Pulse duration / Pulsdauer:** N.A.

**Safety relevant components:** (switches, temperature regulators, heating elements, plugs, sockets, wiring, capacitors, motors and other components with windings e.g. transformers, coils, emergency off devices, 2-hand-control-devices, interlock switches, safety light barriers, safety valves, programmable electronic controllers -PLC, hydraulic controllers, pneumatic controllers, Software (Revision), housing parts, materials with contact to food etc.

**Components for Functional Safety shall be listed in appropriate table.**

**The entry of safety relevant components into this table documents and confirms review of suitability and acceptance by the product specialist.**

Sicherheitsrelevante Bauteile: (Schalter, Temperaturregler, Heizkörper, Stecker, Fassungen, Leitungen, Kondensatoren, Motoren und sonstige Wicklungen z.B. Transformatoren, Magnetspulen, Not-Aus Geräte, 2-Handsteuerungen, Verriegelungsschalter, Sicherheits-Lichtschraken, Sicherheitsventile, Programmierbare Steuerungen-SPS, hydraulische Steuerungen, pneumatische Steuerungen, Software (Revisionsstand), Gehäuseteile, Materialien mit Kontakt zu Lebensmitteln usw.

Komponenten für Funktionale Sicherheit müssen in die entsprechende Tabelle eingetragen werden.

Der Eintrag sicherheitsrelevanter Komponenten in die Übersicht dokumentiert und bestätigt die Überprüfung der Eignung und Freigabe durch den „Product Specialist“.

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Kind of component / Bauteil	Manufacturer / Hersteller	Mechanical, electrical and chemical specification / Mechanische, elektrische und chemische Spezifikation			Test report and/or mark from / Prüfbericht und /oder -zeichen von
Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity
1. Terminal block	Cixi Kaifeng Electronic Co., Ltd.	KF10H	AC 400V, 41A, T100	EN 60998-2-1 EN 60998-1	VDE 40025775
2. Motor winding	Fenghua Yinglicheng Enamel-Insulated Wire Co., Ltd.	PEW	Class 155 (F)	EN 60335-2-41 EN 60335-1	Test with appliance UL E320729
3. Lead wire of motor	Jiang Yin Tianqi Silicone Rubber Products Co., Ltd.	H05S-K	1x0.5 - 2.5mm <sup>2</sup> , 300/500V, T180	EN 50525-2-41	VDE 40017265
4. Motor	Ningbo Hujiang Electric Machine Co., Ltd.	04010G01, 71671: Type YY6302	Sparta, Class 155(F), Number of poles: 2P, Iron core: Φ90 x Φ47 x 55mm, Main winding: 14.32Ω, Aux. winding: 21.65Ω (at 20°C)	EN 60335-2-41 EN 60335-1	Test with appliance
		04010G02, 71672: Type YY6312	Sparta, Class 155(F), Number of poles: 2P, Iron core: Φ90 x Φ47 x 75mm, Main winding: 8.48Ω, Aux. winding: 19.80Ω (at 20°C)	EN 60335-2-41 EN 60335-1	Test with appliance
		04010G03, 71673: Type YY6322	Sparta, Class 155(F), Number of poles: 2P, Iron core: Φ90 x Φ47 x 95mm, Main winding: 6.16Ω, Aux. winding: 16.75Ω (at 20°C)	EN 60335-2-41 EN 60335-1	Test with appliance
		04010G04, 71674: Type YY7122	Sparta, Class 155(F), Number of poles: 2P, Iron core: Φ110 x Φ58 x 70mm, Main winding: 5.56Ω, Aux. winding: 7.86Ω (at 20°C)	EN 60335-2-41 EN 60335-1	Test with appliance
		04010G05, 71675: Type YY7132	Sparta, Class 155(F), Number of poles: 2P, Iron core: Φ110 x Φ58 x 80mm, Main winding: 3.98Ω, Aux. winding: 6.04Ω (at 20°C)	EN 60335-2-41 EN 60335-1	Test with appliance
5. Thermal motor protector	Yangzhou Wu Yue Electric Co., Ltd.	17AME037A5	AC240V, Tf150°C	EN 60730-1 EN 60730-2-2	VDE 40017383
6. Motor running capacitor	Ningbo Shine Electrical Co. Ltd.	CBB65A-1	AC450V, 50/60Hz, 40/085/21, S2 04010G01, 04010G02, 71671, 71672: 10μF 04010G03, 71673: 12μF 04010G04, 04010G05, 71674, 71675: 20μF	EN 60252-1	VDE 40031628
	Zhejiang Shuangfeng Electric Co., Ltd.	CBB60A	AC450V, 50/60Hz, 40/85/21 or 25/85/21, S3 04010G01, 04010G02, 71671, 71672: 10μF 04010G03, 71673: 12μF 04010G04, 04010G05, 71674, 71675: 20μF	EN 60252-1	TRPS R 50286307

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	Taizhou SOK Capacitor CO., LTD.	CBB65	AC450V, 50/60Hz, 25/85/21, S2 04010G01, 04010G02, 71671, 71672: 10µF 04010G03, 71673: 12µF 04010G04, 04010G05, 71674, 71675: 20µF	EN 60252-1	TUV SUD B.16.08.76269.011
7. Enclosure and other accessible parts *	Ningbo Linya Swimming Pool & Water Treatment Equipment Co., Ltd.	Motor enclosure, Pump head	Aluminium, PP	EN 60335-2-41 EN 60335-1	Test with appliance
*PAHs requirements of AfPS GS 2019:01 PAK have been evaluated and found to be met.					

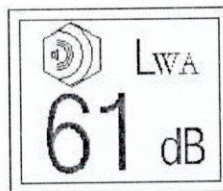
**Label / Typenschild**

Remark:

- Name and address of EU-based manufacturer, or authorized representative or importer must be affixed to the product when the product place on the EU market.
- The height of shall be at least 5mm; The height of shall be at least 7mm.
- Undermentioned label is for each model



- (undermentioned label is for model 04010G03, 04010G04, 04010G05, 71673, 71674, 71675)



- (undermentioned label is for model 04010G01, 04010G02, 71671, 71672)

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<b>AQUANT</b>				MODEL: SPARTA033
No.32 Dongbei Road, Dongqiao Ind Park, Haishu, Ningbo, China				
REF: 04010G01		SN:		
Qn	8.5	m <sup>3</sup> /h	Hn	6 m
V	230	V~	I	1.7 A
PI	360	W	N	2830 r.p.m
Twater Max=35 °C		Insulation class 155		
Hmin	4	m	Hmax	11 m
		50Hz	IPX5	

<b>AQUANT</b>				MODEL: SPARTA050
No.32 Dongbei Road, Dongqiao Ind Park, Haishu, Ningbo, China				
REF: 04010G02		SN:		
Qn	9.4	m <sup>3</sup> /h	Hn	8 m
V	230	V~	I	2.5 A
PI	520	W	N	2830 r.p.m
Twater Max=35 °C		Insulation class 155		
Hmin	6	m	Hmax	12 m
		50Hz	IPX5	

<b>AQUANT</b>				MODEL: SPARTA075
No.32 Dongbei Road, Dongqiao Ind Park, Haishu, Ningbo, China				
REF: 04010G03		SN:		
Qn	10.1	m <sup>3</sup> /h	Hn	10 m
V	230	V~	I	3.5 A
PI	770	W	N	2830 r.p.m
Twater Max=35 °C		Insulation class 155		
Hmin	6	m	Hmax	14 m
		50Hz	IPX5	

<b>AQUANT</b>				MODEL: SPARTA100
No.32 Dongbei Road, Dongqiao Ind Park, Haishu, Ningbo, China				
REF: 04010G04		SN:		
Qn	10.6	m <sup>3</sup> /h	Hn	12 m
V	230	V~	I	3.5 A
PI	800	W	N	2830 r.p.m
Twater Max=35 °C		Insulation class 155		
Hmin	6	m	Hmax	15 m
		50Hz	IPX5	

<b>AQUANT</b>				MODEL: SPARTA125
No.32 Dongbei Road, Dongqiao Ind Park, Haishu, Ningbo, China				
REF: 04010G05		SN:		
Qn	13.8	m <sup>3</sup> /h	Hn	12 m
V	230	V~	I	4.4 A
PI	1000	W	N	2750 r.p.m
Twater Max=35 °C		Insulation class 155		
Hmin	8	m	Hmax	16 m
		50Hz	IPX5	

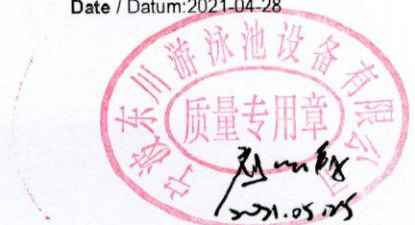
<b>ASTRALPOOL</b>				MODEL: ASTRAL BOISE 33
No.32 Dongbei Road, Dongqiao Ind Park, Haishu, Ningbo, China				
REF: 71671		SN:		
Qn	8.5	m <sup>3</sup> /h	Hn	6 m
V	230	V~	I	1.7 A
PI	360	W	N	2830 r.p.m
Twater Max=35 °C		Insulation class 155		
Hmin	4	m	Hmax	11 m
		50Hz	IPX5	

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		MODEL: ASTRAL BOISE 50			
No.32 Dongbei Road, Dongqiao Ind Park, Haishu, Ningbo, China					
REF: 71672	SN:				
Qn	9.4	m <sup>3</sup> /h	Hn	8	m
V	230	V	I	2.5	A
PI	520	W	N	2830	r.p.m.
Twater Max=35 °C		Insulation class 155			
Hmin	6	m	Hmax	12	m
50Hz		IPX5			

		MODEL: ASTRAL BOISE 75			
No.32 Dongbei Road, Dongqiao Ind Park, Haishu, Ningbo, China					
REF: 71673	SN:				
Qn	10.1	m <sup>3</sup> /h	Hn	10	m
V	230	V	I	3.5	A
PI	770	W	N	2830	r.p.m.
Twater Max=35 °C		Insulation class 155			
Hmin	6	m	Hmax	14	m
50Hz		IPX5			

		MODEL: ASTRAL BOISE 100			
No.32 Dongbei Road, Dongqiao Ind Park, Haishu, Ningbo, China					
REF: 71674	SN:				
Qn	10.6	m <sup>3</sup> /h	Hn	12	m
V	230	V	I	3.5	A
PI	800	W	N	2830	r.p.m.
Twater Max=35 °C		Insulation class 155			
Hmin	6	m	Hmax	15	m
50Hz		IPX5			

		MODEL: ASTRAL BOISE 125			
No.32 Dongbei Road, Dongqiao Ind Park, Haishu, Ningbo, China					
REF: 71675	SN:				
Qn	13.8	m <sup>3</sup> /h	Hn	12	m
V	230	V	I	4.4	A
PI	1000	W	N	2750	r.p.m.
Twater Max=35 °C		Insulation class 155			
Hmin	8	m	Hmax	16	m
50Hz		IPX5			

outine Safety Test

Final inspection requirements for production are described in:  
EN 60335-1:2012/A2:2019 Annex A

Required

Not Required

Reason:

Class III product

Other:

Test Details:

Dielectric Strength

Test Points:

RI: L/N – output / enclosure

BI: L/N – Earthing parts

Test Values:

2500 Vac / Vdc

1000 Vac / Vdc

Ground Continuity

Earthing terminal – accessible earthing part

25 A, 1s, <0.1 Ohm (Ω)

Insulation Resistance

Leakage Current

Other: Function test

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		<b>Model SPARTA033</b> S/N:00000000
Manufacturas Gre S.A.		
Aritz Bidea 57, Belako Industrialdea, 48100 Mungia, Bizkaia, Spain		
P= 360 W	Qn= 8.5 m3/h	Hn= 6 m
I= 1.7 A ~	230 V ~ 50 Hz	Hmax= 11 m
Insulation class 155	IPX5	Hmin= 4 m
		N= 2830 rpm Twatermax=35°C

		<b>Model SPARTA050</b> S/N:00000000
Manufacturas Gre S.A.		
Aritz Bidea 57, Belako Industrialdea, 48100 Mungia, Bizkaia, Spain		
P= 520 W	Qn= 9.4 m3/h	Hn= 8 m
I= 2.5 A ~	230 V ~ 50Hz	Hmax= 12 m
Insulation class 155	IPX5	Hmin= 6 m
		N= 2830 rpm Twatermax=35°C

		<b>Model SPARTA075</b> S/N:00000000
Manufacturas Gre S.A.		
Aritz Bidea 57, Belako Industrialdea, 48100 Mungia, Bizkaia, Spain		
P= 770 W	Qn= 10.1 m3/h	Hn= 10 m
I= 3.5 A ~	230 V ~ 50 Hz	Hmax= 14 m
Insulation class 155	IPX5	Hmin= 6 m
		N= 2830 rpm Twatermax=35°C

		<b>Model SPARTA100</b> S/N:00000000
Manufacturas Gre S.A.		
Aritz Bidea 57, Belako Industrialdea, 48100 Mungia, Bizkaia, Spain		
P= 800 W	Qn= 10.6 m3/h	Hn= 12 m
I= 3.5 A ~	230 V ~ 50 Hz	Hmax= 15 m
Insulation class 155	IPX5	Hmin= 6 m
		N= 2830 rpm Twatermax=35°C

		<b>Model SPARTA125</b> S/N:00000000
Manufacturas Gre S.A.		
Aritz Bidea 57, Belako Industrialdea, 48100 Mungia, Bizkaia, Spain		
P= 1000 W	Qn= 13.8 m3/h	Hn= 12 m
I= 4.4 A ~	230 V ~ 50 Hz	Hmax= 16 m
Insulation class 155	IPX5	Hmin= 8 m
		N= 2750 rpm Twatermax=35°C

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