Certificate

Prüfbescheinigung nach dem Produktsicherheitsgesetz

Test Certificate in compliance with the Product Safety Law

Bescheinigungs-Nr. (Certificate No.): **13GZW1683-01**

Das Produkt entspricht den Anforderungen des Produktsicherheitsgesetzes (ProdSG) § 21 (1) hinsichtlich der Gewährleistung von Sicherheit und Gesundheit und entspricht den derzeit anerkannten Regeln der Technik.
(The product is in compliance with the judicial requirements of the Product Safety Law (ProdSG) § 21 (1) and the currently accepted rules of technology.)

Die Kennzeichnungspflichten des Produktes gemäß §6 ProdSG sind einzuhalten.
(The marking requirements of the product based on §6 ProdSG have to be observed.)

Bescheinigungsinhaber (Certificate Holder)
Fenghua Bida Machinery Manufacture Co., Ltd.
25 Nandu Road
Fenghua 315504
P. R. China

Markenname (Brandname)

Fertigungsstätte (Manufacturing Site)
Fenghua Bida Machinery Manufacture Co., Ltd.
25 Nandu Road
Fenghua 315504
P. R. China

Produkt (Product)
Kleiner Luftkompressor für den Hausgebrauch
Small Air Compressor for household use

Typbezeichnung (Type)
AS06-1, AS-18, AS18-2, AS18-3, AS-18A, AS-18B, AS-186, AS-188, AS-189A, AS-288, AS-28A

Beschreibung (Description)
220-240 V~, 50 Hz, 150 W, 1450/min., Schutzklasse I (Class I)
Max. Arbeitsdruck von (Max. working pressure of) AS06-1: 3,5 bar
Max. Arbeitsdruck (Max. working pressure of) AS-18, AS18-2, AS18-3, AS-18A, AS-18B, AS-186, AS-188: 4,0 bar
Max. Arbeitsdruck von (Max. working pressure of) AS-189A, AS-288, AS-28A: 6,0 bar

Prüfbericht-Nr. (Test Report No.)
130111088GZU-001:2013-06-28
130111088GZU-002:2013-06-28
130111088GZU-PAH1:2013-06-28
Einzelheiten siehe Anhang (Details see attachment)

Geprüft nach (Tested according to)
EN 62233:2008
EN 1012-1:2010
EN 60335-1:2012
PAK-Anforderung / PAH Requirement ZEK 01.4-08
Gültig bis (valid until)
2018-08-26
Erstellt am (Issued on)
2013-08-27

Intertek Deutschland GmbH · Stangenstrasse 1, D-70771 Leinfelden-Echterdingen · Intertek Deutschland

68005
Intertek Deutschland GmbH
Dipl.-Ing. Klaus-Jürgen Herrmann

Dem Zertifikat liegen die Allgemeinen Geschäftsbedingungen der Intertek Deutschland GmbH zu Grunde. Bitte beachten Sie die umseitigen Hinweise.
The General Business Conditions of Intertek Deutschland GmbH is an integral part of this certificate. Please also refer to the information overleaf.

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Attachment to Certificate No.: 13GZW1683-01

Constructional Data Form (CDF)

Certificate Holder:	**Fenghua Bida Machinery Manufacture Co., Ltd. 25 Nandu Road Fenghua 315504 P. R. China**
Manufacturing Site:	**Fenghua Bida Machinery Manufacture Co., Ltd. 25 Nandu Road Fenghua 315504 P. R. China**
Product: (in German)	**Kleiner Luftkompressor für den Hausgebrauch**
Product: (in English)	**Small Air Compressor for household use**
Type:	**AS06-1, AS-18, AS18-2, AS18-3, AS-18A, AS-18B, AS-186, AS-188, AS-189A, AS-288, AS-28A**
Brandname:	**---**
Description:	**220-240 V~, 50 Hz, 150 W, 1450/min., Class I Max. working pressure of model AS06-1: 3,5 bar Max. working pressure of model AS-18, AS18-2, AS18-3, AS-18A, AS-18B, AS-186, AS-188: 4,0 bar Max. working pressure of model AS-189A, AS-288, AS-28A: 6,0 bar**
Test Report No.:	**130111088GZU-001:2013-06-28 130111088GZU-002:2013-06-28 130111088GZU-PAH1:2013-06-28**
Tested according to:	**EN 62233:2008 EN 1012-1:2010 EN 60335-1:2012 PAK-Anforderung / PAH Requirement ZEK 01.4-08**
Valid until:	**2018-08-26**
Issued on:	**2013-08-27**

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Product Information:

General product information

Portable oilless small air compressor for household and indoor use.

All models have similar construction except for different piston, motor, outer shape, air container, detail refer to photo document.

Total 11 models can be divided to 3 category according to different piston and motor:
Category 1: AS06-1;
Category 2: AS-18, AS18-2, AS18-3, AS-18A, AS-18B, AS-186, AS-188, AS-189A;
Category 3: AS-288, AS-28A

AS18-2 is similar with AS-18 except for pressure adjuster knob,
AS18-3 is similar with AS-18 except for pressure adjuster knob and enclosure shape,
AS-18A, AS-18B is similar with AS-18 except for pressure adjuster knob and outer metal cover;

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AS-186 is similar with AS-18 except for pressure adjuster knob and additional air tank,
AS-188 is similar with AS-18 except for additional air tank and outer metal cover,
AS-189A is similar with AS-18 except for pressure adjuster knob, additional air tank, outer metal cover and max. working pressure.
AS-288 is similar with AS-28A except for pressure adjuster knob, air tank shape and outer metal cover.

Models AS-186, AS-188, AS-189A, AS-288, AS-28A have 3L air tank, other models are without air tank.

Max. working duration of all models are 30 min.

Copy of marking plate

English marking

Small Air Compressor		
Model	AS-18	
Rated Voltage	220-240V~, 50Hz	Year of manufacture: XXXX
Rated input power	150 W	
Maximum rotate speed	1450/ min	Series number: XXXXXX
Max. Allowable Working pressure	0,4 MPa (4 Bar)	
Gross mass	3,9 Kg	
Pressure vessel capacity	---	
Max. working duration: 30 min.		
Manufacturer: Fenghua Bida Machinery Manufacture Co., Ltd. Address: 25 Nandu Road, Fenghua 315504, P. R. China EU importer name: xxxx EU importer address: xxxx		
Intertek GS geprüfte Sicherheit CE		

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German marking

Kleiner Luftkompressor		
Modell	AS-18	
Nennspannung	220-240V~, 50Hz	Jahr von Herstellung: XXXX
Nennleistungsaufnahme	150 W	
Drehzahl der Welle	1450/ min	S/N: XXXXXX
Max. zulässiger Arbeitsdruck	0,4 MPa (4 Bar)	
Gewicht	3,9 Kg	
Druckbehälterinhalt	---	

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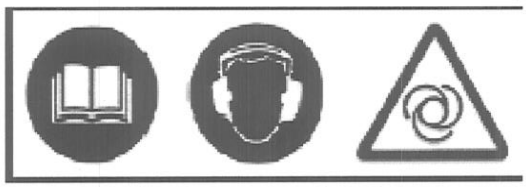
Max. Arbeitsdauer: 30 min	
Herstellung: Fenghua Bida Machinery Manufacture Co., Ltd. Anschrift: 25 Nandu Road, Fenghua 315504, P. R. China EU Importeur: xxxx EU Importeur Anschrift: xxxx	

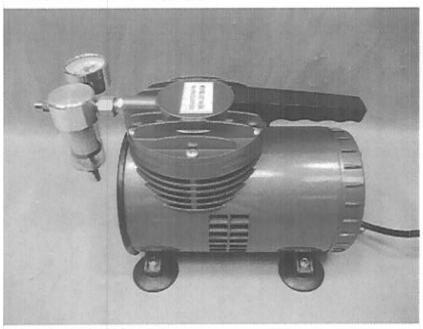
Remark: The marking labels of other model are identical with model AS-18 except for model name, Max. Allowable Working pressure, Gross mass and capacity of pressure vessel.

Capacity of pressure vessel is 3 L for model AS-186, AS-188, AS-189A, AS-288, AS-28A, other models were without pressure vessel.

Warning label:

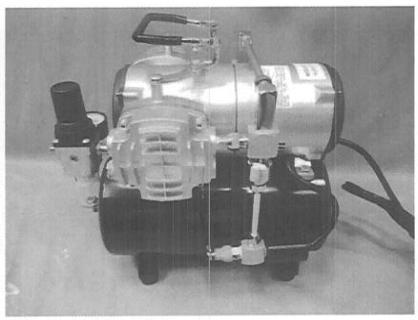


Product Pictures



Model AS06-1

Model AS-186



Model AS-28A

List of Critical Components

Object / part No.	Manufacturer/ trademark2)	Type / model2)	Technical data	Standard	Mark(s) of conformity1)
Plug	Shangyu Jintao Electron Co., Ltd	JT003	AC250V, 16A, DIN 49441-R2, IP20	VDE 0620-1	VDE*
(Alternative)	Ningbo Qiaopu Electric Co., Ltd	D03	AC250V, 16A, DIN 49441-R2, IP20	VDE 0620-1	VDE*
Supply cord	Shangyu Jintao Electron Co., Ltd	H05VV-F	3G 0,75 mm2	VDE 0281-5	VDE*
(Alternative)	Ningbo Qiaopu Electric Co., Ltd	H05VV-F	3G 0,75 mm2	VDE 0281-5	VDE*
Power switch (for model AS06-1, AS-18, AS18-2, AS-18A, AS-18B, AS-186, AS-188)	Yueqing Luster Electronics Co., Ltd	KCD5-103N	250 V; 6A, T85oC, 10E3 cycles, GW 850oC	EN 61058-1	TÜV Rheinland*

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Object / part No.	Manufacturer/ trademark2)	Type / model2)	Technical data	Standard	Mark(s) of conformity1)
Power switch (for model AS-189A, AS-288, AS-28A)	Yueqing Luster Electronics Co., Ltd	KCD5-102P	250 V; 6A, T85oC, 10E3 cycles, GW 850oC	EN 61058-1	TÜV Rheinland*
Power switch (for model AS18-3)	Yueqing Luster Electronics Co., Ltd	KCD5-3N	250 V; 6A, T85oC, 10E3 cycles, GW 850oC	EN 61058-1	TÜV Rheinland*
Pressure switch (for all models except AS06-1)	Changzhou Egret Electric Equipment Co., Ltd	BLPS-YK03-H05	220-240 V, 3A, T85oC, 3E4 cycles, GW 850oC, operating pressure: 4,0 bar	EN 60730-1 EN 60730-2-6	TÜV PS*
Interconnection cord for pressure switch (for all models except AS06-1)	Yuyao Fanghua Electronice Co.,Ltd	H05VV-F	2G 0,75 mm2	VDE 0281-5	VDE*
(Alternative)	Ningbo Qiaopu Electric Co., Ltd	H05VV-F	2G 0,75 mm2	VDE 0281-5	VDE*
Motor running capacitor	Zhejiang Wufeng	CBB61	AC500V, 50/60Hz; 4,0uF, 40/70/21	EN 60252-1	VDE*
(Alternative)	Foshan Shunde Chuang Ge	CBB61	AC450V, 50/60Hz; 4,0uF, 40/70/21	EN 60252-1	VDE*
Motor thermal protector	Shengzhou Ganlin Wangshi Thermal Proector Factory	JW	250 V; Tf140 oC, GW 850oC	EN 60730-1 EN 60730-2-2	VDE*
(Alternative)	Foshan Ji Hui Electrical Appliance Co., Ltd	BW	250 V; Tf140 oC, GW 850oC	EN 60730-1 EN 60730-2-2	VDE*
Motor of model AS06-1	Fenghua Bida Machinery Manufacture Co.,Ltd	H2	220-240V, 50Hz, Class 155 (F)	EN 60335-1	Tested with appliance
- Main Winding	Fenghua Bida Machinery Manufacture Co.,Ltd	JLMW35-A	Class 155 (F)	EN 60335-1	Tested with appliance
- Auxiliary Winding	Fenghua Bida Machinery Manufacture Co.,Ltd	JLMW35-A	Class 155 (F)	EN 60335-1	Tested with appliance
Motor of model AS-18, AS18-2, AS18-3, AS-18A, AS-18B, AS-186, AS-188, AS-189A	Fenghua Bida Machinery Manufacture Co.,Ltd	A2	220-240V, 50Hz, Class 155 (F)	EN 60335-1	Tested with appliance
- Main Winding	Fenghua Bida Machinery Manufacture Co.,Ltd	QZ-1/130L	Class 155 (F)	EN 60335-1	Tested with appliance
- Auxiliary Winding	Fenghua Bida Machinery Manufacture Co.,Ltd	QZ-1/130L	Class 155 (F)	EN 60335-1	Tested with appliance
Motor of model AS-288, AS-28A	Fenghua Bida Machinery Manufacture Co.,Ltd	F2	220-240V, 50Hz, Class 155 (F)	EN 60335-1	Tested with appliance
- Main Winding	Fenghua Bida Machinery Manufacture Co.,Ltd	QZ-1/130L	Class 155 (F)	EN 60335-1	Tested with appliance
- Auxiliary Winding	Fenghua Bida Machinery Manufacture Co.,Ltd	QZ-1/130L	Class 155 (F)	EN 60335-1	Tested with appliance
Internal wire	Jiang Yin Tianqi Silicone Rubber Products Co.,Ltd.	H05S-K	180 oC, 300/500V, 0,5mm²	EN 60335-1	Tested with appliance VDE 40017265

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Object / part No.	Manufacturer/ trademark2)	Type / model2)	Technical data	Standard	Mark(s) of conformity1)
(Alternative)	ZHEJIANG XINXIN ELECTRONIC WIRE ROD CO.,LTD	UL 1015	600V, 105 oC, 16-20AWG	EN 60335-1	Tested with appliance UL E225383
Electromagnetic valve	Fenghua Xikou Town Nuoling Penumatic Component factory	N23G-2.5	220-240V, 50Hz, Class 130	EN 60335-1	Tested with appliance
- Plastic of Electromagnetic valve	Yuyao City Zetian Engineering Plastics Factory	GF-1	Thickness 2,0mm	EN 60335-1	Tested with appliance
- Winding of Electromagnetic valve	Ningbo Rongli Electric Appliance Wire Co., Ltd.	3UEW	Class 130	EN 60335-1	Tested with appliance
Safety valve for model AS-186, AS-188, AS-189A, AS-288, AS-28A	Cixi Chaochao Air Compressor Fittings Co., Ltd,	AXD2	Operating Pressure: 6Bar	97/23/EC	TÜV PS*
Closed end connector	HEAVY POWER CO LTD	CE2X	Thickness 0,6mm	EN 60335-1	Tested with appliance
Tubing on switch terminal	YUEQING ZHONGTIAN ELECTRICAL JACKET CO.,LTD	ULDR187-3.0	Thickness 0,5mm	EN 60335-1	Tested with appliance
Cord anchorage plastic	HEAVY POWER CO LTD	6P-4	Thickness 2,0mm	EN 60335-1	Tested with appliance
Plastic enclosure	Fenghua Bida Machinery Manufacture Co., Ltd	ABS	Thickness 2,0mm	EN 60335-1	Tested with appliance
Air tank for model AS-186, AS-189A, AS-28A	Fenghua Bida Machinery Manufacture Co.,Ltd	AS186-08	Capacity 3L, Column	EN 60335-1	Tested with appliance
Air tank for model AS-188, AS-288	Fenghua Bida Machinery Manufacture Co.,Ltd	AS188-Z011	Capacity 3L, Cube	EN 60335-1	Tested with appliance
Pressure Gauge	Fenghua City Hongming instrument factory	Y40	Range max. 7,0Bar	EN 60335-1	Tested with appliance
Plastic of handle	Fenghua Bida Machinery Manufacture Co.,Ltd	ABS	Thickness 2,0mm	EN 60335-1	Tested with appliance

1) An asterisk indicates a mark which assures the agreed level of surveillance.
2) "Various" means any type from any manufacturer that complies with the specification can be used.

Modification Summary

The following changes have been made to this CDF:

Date	Local Project no.	Description of Change
None	None	None

Intertek Deutschland GmbH Stangenstrasse 1 70771 Leinfelden-Echterdingen Intertek Deutschland

Signed

Dipl.-Ing. Klaus-Jürgen Herrmann

Date 2013-08-27

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