Axial Flow Fans

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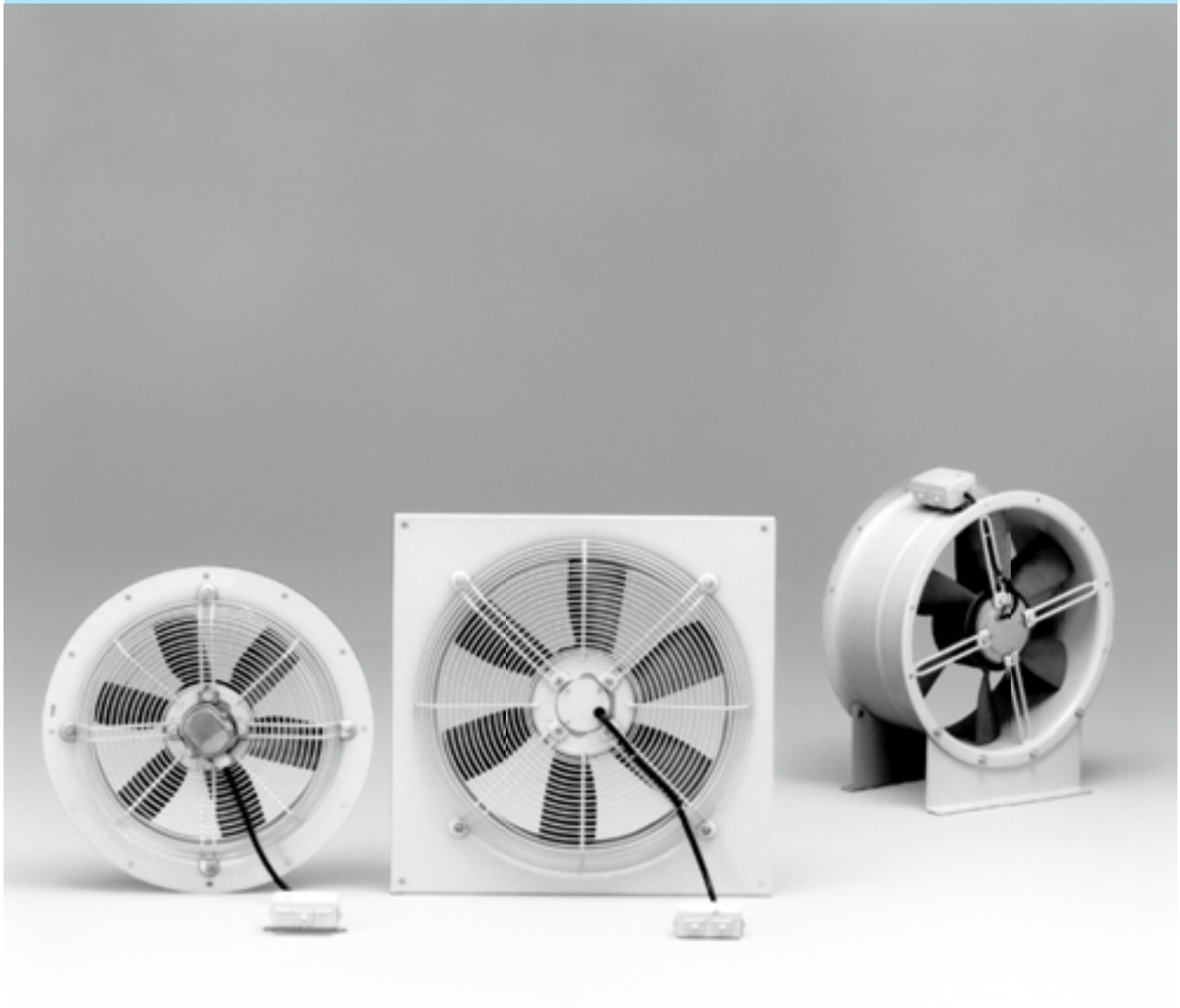

Content

4 – 5	Technical data
6 – 13	Curves
14 – 17	Dimensions
18 – 21	Specifications
22 – 23	Samples
24 – 43	Accessories
44 – 45	Description
46 – 47	Notes

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Axial Flow Fans

High Performance - Axial Flow Fans

AQA 61-0315/-0630
Square wall mounting plate incorporating an inlet ring of galvanised sheet steel and painted. (light grey)
Plastic impeller bolted to the rotor of the integral motor,
Connecting cable and terminal box supplied loose
Inlet guard fitted conforming to DIN EN 294.
Low noise, maintenance free, ready to connect

Application: General ventilation, Cooling industry, Farming and glass house ventilation

High Performance - Axial Flow Fans

AWA 11-0200/-0300
Wall mounting ring incorporating an inlet cone of painted sheet steel.
Impeller made from galvanised sheet steel shrink-fitted onto the rotor of the integral motor,
Connection cable supplied loose
Inlet guard fitted conforming to DIN EN 294.
Low noise, maintenance free, ready to connect

Application: General ventilation, Cooling industry, Farming and glass house ventilation

AWA 61-0315/-0630
Wall mounting ring incorporating an inlet cone of galvanised sheet steel and painted. (light grey)
Plastic impeller bolted to the rotor of the integral motor,
Connecting cable and terminal box supplied loose
Inlet guard fitted conforming to DIN EN 294.
Low noise, maintenance free, ready to connect

Application: General ventilation, Cooling industry, Farming and glass house ventilation

High Performance - Axial Flow Fans

ARA 61-0315/-0630
Duct mounted casing with connecting flanges on both sides, made from sheet steel and powder coated
Plastic impeller bolted to the rotor of the integral motor, Low noise, maintenance free, ready for connection with terminal box fitted on fan casing

Application: General ventilation, Cooling industry, Farming and glass house ventilation

ARA 62-0315/-0630
Duct mounted for flush mounting in long casing design, made from sheet steel and powder coated
Plastic impeller bolted to the rotor of the integral motor, Low noise, maintenance free, ready for connection with terminal box fitted on fan casing

Application: General ventilation, Cooling industry, Farming and glass house ventilation

High Performance - Axial Flow Fans

ATA 61-0315/-0630
Technical design as for AWA and AQA but without wall ring, suitable to be integrated into units. Self supporting inlet guard fitted conforming to DIN EN 294.
Low noise, maintenance free, ready to connect

Application: General ventilation, Cooling industry, Farming and glass house ventilation

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Axial Flow Fans

Technical Data

AWA 11-	Fan speed 1/min	Nominal motor voltage V	max. power consumption kW	Nominal motor current A	Capacitor µF	max. Media temperature °C	Weight appr. kg
0200–2E	2650	230	0.065	0.32	2	70	3
0200–4S	1315	230	0.039	0.32	–	50	2
0250–2E	2500	230	0.130	0.68	4	55	3.5
0250–4S	1350	230	0.065	0.52	–	45	3
0300–2E	2550	230	0.180	0.85	6	50	4.5
0300–4E	1340	230	0.095	0.46	3	50	4.5

Technical Data

AQA 61

AWA 61

ARA 61

ARA 62

ATA 61

	Fan speed 1/min	Nominal motor voltage V	max. power consumption kW	Nominal motor current A	Capacitor µF	max. Media temperature °C	Weight appr. kg AQA	AWA	ATA	ARA
0315–4D	1350	230/400	0.11	0.66/0.38	–	45	5	4.5	3.5	5.7
0315–6D	940	230/400	0.07	0.48/0.28	–	45	5	4.5	3.5	5.7
0315–4E	1405	230	0.11	0.65	3	50	5	4.5	3.5	5.7
0315–6E	925	230	0.06	0.3	2	50	5	4.5	3.5	5.7
0355–4D	1400	230/400	0.18	0.78/0.45	–	40	6	5.5	4	6.4
0355–6D	960	230/400	0.09	0.52/0.3	–	45	6	5.5	4	6.4
0355–4E	1340	230	0.16	0.95	4	50	6.5	6	4.5	6.8
0355–6E	920	230	0.07	0.4	2	50	6.5	6	4.5	6.8
0400–4D	1350	230/400	0.2	1.21/0.7	–	50	9	8	6	8.8
0400–6D	950	230/400	0.11	0.93/0.54	–	50	9	8	6	8.8
0400–4E	1320	230	0.22	1.15	6	45	9	8	6	9
0400–6E	935	230	0.1	0.6	3	60	9	8	6	9
0450–4D	1350	230/400	0.3	1.37/0.79	–	50	12	11	7.5	10.5
0450–6D	925	230/400	0.16	1.18/0.68	–	50	12	11	7.5	10.5
0450–4E	1290	230	0.35	1.9	8	40	13	12	8	11
0450–6E	935	230	0.18	1.15	6	45	13	12	8	11
0500–4D	1440	230/400	0.6	2.86/1.65	–	50	18	16	12	14
0500–6D	960	230/400	0.22	1.47/0.85	–	55	17	15	10.5	14
0500–4E	1340	230	0.57	3.15	16	50	18	16	12	16
0500–6E	940	230	0.26	1.6	10	50	18	16	12	16
0560–4D	1320	230/400	1.19	4.47/2.58	–	40	28	26	20	23
0560–6D	960	230/400	0.45	2.9/1.7	–	60	28	26	20	23
0560–4E	1330	230	1.3	6.25	25	40	33	31	23	28
0560–6E	960	230	0.59	3.2	20	50	33	31	23	28
0630–4D	1320	230/400	1.65	5.54/3.2	–	45	40	36	26	33
0630–6D	945	230/400	0.58	3.2/1.85	–	60	35	31	21	28
0630–6E	945	230	0.7	3.5	25	50	40	36	26	33

The motors are equipped with thermo contacts to prevent them against thermal overload.

Each fan or service switch is provided with a wiring diagram

The relevant wiring diagram may be found at:
www.nicotra-gebhardt.com

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Axial Flow Fans

Technical Data

AWA 11-	Motor protection unit ESM ②	Transformer 7 taps ETO	Transformer 5-steps ETH ②	Speed regulator electronic EPH	Speed regulator electronic EPA	Speed regulator micro processor EPA	Speed controller electronic EPA
0200-2E	– ①	10-0018-5E	31-0020-5E	03-0010-5E	03-0060-5E	93-0023-5E	83-0060-5E
0200-4S	– ①	10-0018-5E	31-0020-5E	03-0010-5E	03-0060-5E	93-0023-5E	83-0060-5E
0250-2E	– ①	10-0018-5E	31-0020-5E	03-0010-5E	03-0060-5E	93-0023-5E	83-0060-5E
0250-4S	– ①	10-0018-5E	31-0020-5E	03-0010-5E	03-0060-5E	93-0023-5E	83-0060-5E
0300-2E	– ①	10-0018-5E	31-0020-5E	03-0010-5E	03-0060-5E	93-0023-5E	83-0060-5E
0300-4E	– ①	10-0018-5E	31-0020-5E	03-0010-5E	03-0060-5E	93-0023-5E	83-0060-5E

Technical Data

	Motor protection unit ESM ②	Transformer 7 taps ETO	Transformer 5-steps ETH ②	Speed regulator electronic EPH	Speed regulator electronic EPA	Speed regulator micro processor EPA	Speed controller electronic EPA
0315-4D	01-0040-8D	10-0010-8D	35-0010-8D	–	–	–	83-0050-8D
0315-6D	01-0040-8D	10-0010-8D	35-0010-8D	–	–	–	–
0315-4E	01-0020-5E	10-0018-5E	31-0020-5E	03-0010-5E	03-0060-5E	93-0023-5E	83-0060-5E
0315-6E	01-0020-5E	10-0018-5E	31-0020-5E	03-0010-5E	–	93-0023-5E	83-0060-5E
0355-4D	01-0040-8D	10-0010-8D	35-0010-8D	–	–	–	83-0050-8D
0355-6D	01-0040-8D	10-0010-8D	35-0010-8D	–	–	–	83-0050-8D
0355-4E	01-0020-5E	10-0018-5E	31-0020-5E	03-0010-5E	03-0060-5E	93-0023-5E	83-0060-5E
0355-6E	01-0020-5E	10-0018-5E	31-0020-5E	03-0010-5E	03-0060-5E	93-0023-5E	83-0060-5E
0400-4D	01-0040-8D	10-0010-8D	35-0010-8D	–	–	–	83-0050-8D
0400-6D	01-0040-8D	10-0010-8D	35-0010-8D	–	–	–	83-0050-8D
0400-4E	01-0020-5E	10-0018-5E	31-0020-5E	03-0020-5E	03-0060-5E	93-0023-5E	83-0060-5E
0400-6E	01-0020-5E	10-0018-5E	31-0020-5E	03-0010-5E	03-0060-5E	93-0023-5E	83-0060-5E
0450-4D	01-0040-8D	10-0010-8D	35-0010-8D	–	–	–	83-0050-8D
0450-6D	01-0040-8D	10-0010-8D	35-0010-8D	–	–	–	83-0050-8D
0450-4E	01-0020-5E	10-0040-5E	31-0020-5E	03-0020-5E	03-0060-5E	93-0023-5E	83-0060-5E
0450-6E	01-0020-5E	10-0018-5E	31-0020-5E	03-0020-5E	03-0060-5E	93-0023-5E	83-0060-5E
0500-4D	01-0040-8D	10-0020-8D	35-0020-8D	–	–	–	83-0050-8D
0500-6D	01-0040-8D	10-0010-8D	35-0010-8D	–	–	–	83-0050-8D
0500-4E	01-0020-5E	10-0040-5E	35-0040-5E	03-0040-5E	03-0060-5E	–	83-0060-5E
0500-6E	01-0020-5E	10-0018-5E	31-0020-5E	03-0020-5E	03-0060-5E	93-0023-5E	83-0060-5E
0560-4D	01-0040-8D	10-0040-8D	36-0040-8D	–	–	–	83-0050-8D
0560-6D	01-0040-8D	10-0020-8D	35-0020-8D	–	–	–	83-0050-8D
0560-4E	01-0020-5E	10-0070-5E	35-0070-5E	–	03-0100-5E	–	83-0100-5E
0560-6E	01-0020-5E	10-0040-5E	35-0040-5E	03-0040-5E	03-0060-5E	–	83-0060-5E
0630-4D	01-0040-8D	10-0040-8D	36-0040-8D	–	–	–	83-0050-8D
0630-6D	01-0040-8D	10-0020-8D	35-0020-8D	–	–	–	83-0050-8D
0630-6E	01-0020-5E	10-0040-5E	35-0040-5E	03-0040-5E	03-0060-5E	–	83-0060-5E

① Motor protection unit is not required.
The thermo contacts are fitted in series with the motor winding. They switch the motor off directly when a thermal overload occurs and they switch it on automatically after cooling down.

② An extra motor protection unit is not required when using speed control units of the types ETH 32-, ETH 36-, and EPA 03-. These control units are already equipped with a motor protection unit.

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