

Electric Suction & Blower Ventilators

Aircom Electric Driven Ventilators

The Aircom® AWS is our standard electric driven suction & blower ventilator. Powerful and solid as it is, it can be used everywhere. On the suction side, a strong grid protects the fan for loose objects. Its ergonomic design makes it easy for use on holes or working with duct hoses.

The high static pressure advances high air-movement, and therefore also suitable for big areas.

Available in 110 & 220 volt single phase, 50/60 Hz suitable, and 380 Volt 50 Hz – 440 Volt 60 Hz and 3 x 220 volt 50/60 Hz Triple phase. Speed of the ventilators = 3000 rpm. Capacity M³/h = free air.



Article No. 220V	Article No. 110V	Description	Dia in mm	Cap M ³ /h	1 Ph	3 Ph	Exp. kW	Weight kg	Voltage standard	IMPA
623000	623000B	AWS 200 SA	200	1000	Yes	Yes	0.06	10	220	-
623001	623001B	AWS 300 SA	300	5040	Yes	Yes	0.75	20	220	-
623002	623002B	AWS 400 SA	400	9500	Yes	Yes	1.10	32	220	-
623003	623003B	AWS 500 SA	500	15440	Yes	Yes	2.20	45	220	-
623004	623004B	AWS 600 SA	600	19780	Yes	Yes	5.50	52	220	-



Aircom Electric Driven Ventilators Ex ATEX

The Aircom® AWS is our standard electric driven suction & blower ventilator. Powerful and solid as it is, it can be used everywhere. On the suction side, a strong Stainless Steel grid protects the fan for loose objects. Its ergonomic design makes it easy for use on holes or working with duct hoses.

The high static pressure advances high air-movement, and therefore also suitable for big areas.

Available with 220V ATEX Motor. Capacity M³/h = free air.

Article No.	Description	Dia in mm	Cap M ³ /h	1 Ph	3 Ph	Exp. kW	Weight kg	Voltage standard	IMPA
623000EX	AWS 200 SA ATEX	200	1000	Yes	Yes	0.06	10	220	-
623001EX	AWS 300 SA ATEX	300	5040	Yes	Yes	0.75	20	220	-
623002EX	AWS 400 SA ATEX	400	9500	Yes	Yes	1.10	32	220	-
623003EX	AWS 500 SA ATEX	500	15440	Yes	Yes	2.20	45	220	-
623004EX	AWS 600 SA ATEX	600	19780	Yes	Yes	5.50	52	220	-



Spiral Duct Hoses for Ventilators

Flexible ventilation hoses made of PVC. A lightweight highly flexible duct hose is ideal for improving the efficiency of blowers especially in confined spaces. The Spiral type is easy to store as a compact pack.

Available in lengths of 5 meter and 10 meter. Special couplers are available to connect 2 hoses to each other.

Article No. STANDARD	Article No. ATEX	Length in meter	Dia in mm	IMPA	Article No. STANDARD	Article No. ATEX	Length in meter	Dia in mm	IMPA
623000H050	623000H050EX	5	200	59 14 81	623002H010	623002H010EX	10	400	59 14 86
623000H010	623000H010EX	10	200	59 14 82	623003H050	623003H050EX	5	500	59 14 87
623001H050	623001H050EX	5	300	59 14 83	623003H010	623003H010EX	10	500	59 14 88
623001H010	623001H010EX	10	300	59 14 84	623004H050	623004H050EX	5	600	59 14 89
623002H050	623001H050EX	5	400	59 14 85	623004H010	623004H010EX	10	600	59 14 90



Coupler for duct hose for Ventilators

Article No.	Dia in mm	IMPA
623000HK0	200	-
623001HK1	300	-

Article No.	Dia in mm	IMPA
623002HK2	400	-
623003HK3	500	-

Article No.	Dia in mm	IMPA
623004HK4	600	-

Ramfan Electric Driven Ventilators Ex ATEX Type UB20xx

Explosion-proof blower/exhauster manufactured to meet the requirements of the ATEX Directive, IEC standards and INMETRO standards. Safely blow or exhaust hazardous gases with minimal risk of the fan causing a spark. Safety is compromised if any component along the electrical path in the blower/exhauster poses a risk of igniting a spark. Therefore the UB20xx is built using only certified explosionproof components along the electric path. Furthermore, once assembled the whole unit is certified for safe use in explosive atmospheres in accordance with the limitations of the rating. It is the user's responsibility to determine the suitability of equipment for the intended purpose. In addition to providing peace of mind to the user, whole-unit certified fan prevents suppliers from being linked to the chain of liability. That's why it is crucial for users and suppliers to demand whole-unit certification. Model part EF8002 230V 50/60Hz 1ph 0.25 kW. Motor type Totally encapsulated air over flame proof. Amps (start 7A /run 1.2A), cable length 7.6 mtr 1.5mm². Operating temperature -20°C to +40°C. Noise 74 dB @ 3' (1m). Run time Continuous.

Weight 12 kg. Impeller with 9 blades. Dimensions 35x35x39cm (HxWxD). With 2 duct adapters. Free air 1392 m³/hr Protection IP55 rain tested switch. Casing durable PC/ABS Anti-static, weatherproof, dent resistant, flame retardant, chemical resistant.

Certification and approvals: II 2 G Ex db eB IIB T6 Gb, II 2 G Ex h IIB T6 Gb, Zone 1, 2, T6, non-mining gases up to 85°C, IECEx UL Certificate #: 13.0062X, INMETRO Certificate #: UL-BR 13.0593X, CE Hazardous Location Marking: CE. Design of fans working in potentially explosive atmospheres: EN 14986.

Also available in 115V 50/60Hz. (article RMN 623010B) Capacity M³/h = free air.



Article No.	Description	Dia in mm	Cap M ³ /h	1 Ph	Freq. Hz	Exp. kW	Weight kg	Voltage standard	IMPA
623010	UB20xx (EF8002)	200	1392	Yes	50/60	0.25	12	230	59 14 17

Article No.	Dia in mm	IMPA
623010H005B	Anti-static duct hose 5 mtr diameter Ø 200 mm 8"	-
623010H010B	Anti-static duct hose 10 mtr diameter Ø 200 mm 8"	-
623010H076Q	Conductive quick coupler canister with 7.6 mtr hose	-
623010VB	Hose connector Ø200 mm	-



Electric Suction & Blower Ventilators

Ramfan Electric Driven Ventilators Ex ATEX Type EFi75xx

The electric powered EFi75xx hazardous location blower/exhauster, with whole-unit certification, is intended for use in Adverse Atmospheres in accordance with the limitations of the rating. The whole-unit certification not only provides protection and peace of mind to the user; it also prevents suppliers from being linked to the chain of liability. That is why it is crucial for users and suppliers to demand whole-unit certification. Having only a certified motor is a half-measure towards safety that puts workers and suppliers at risk.

Features and benefits: High pressure axial blower, Durable, PC/ABS anti-static casing is weatherproof, dent resistant, flame retardant and chemical resistant, 2 integrated duct adapters, IP55 rain switch enclosure.

Model part EB7201XX-230, Motor 0.75 Hp, Motor type totally encapsulated air flame proof, electric 230V 50/60Hz 1ph, Amp (Start 27A / Run 4.4A), cable length 7.6 mtr 2.5mm². Operating temperature -20°C to +40°C. Noise 89dB @ 1 mtr. Weight 20 kg, dimensions 41x38x41 cm HxWxD. Impeller 17-blade. Thermally protected cutoff switch.

Certifications & approvals: II 2 G Ex db eb IIB T6 Gb, II 2 G Ex h IIB T6 Gb, Zone 1, 2, T6, non-mining gases up to 85°C.

IECEX UL Certificate #: 13.0062X, EC-Type Examination Certificate #: DEMKO 09 ATEX 0926969X. CE Hazardous Location Marking: CE.

Design of fans working in potentially explosive atmospheres: EN 14986. INMETRO Certificate #: UL-BR 13.0593X

CE Hazardous Location Marking: CE. Design of fans working in potentially explosive atmospheres: EN 14986.

Also available in 115V 50/60Hz. (article RMN 623011B). Capacity M³/h = free air.



Article No.	Description	Dia in mm	Cap M ³ /h	1 Ph	Freq. Hz	Exp. kW	Weight kg	Voltage standard	IMPA
623011	EFi75xx (EB7201XX)	300	4250	Yes	50/60	1.00	20	230	59 15 06

Article No.	Dia in mm	IMPA
623011H046EX	Anti-static duct hose 4.6 mtr diameter Ø 300 mm 12" with carry bag	-
623011H076EX	Anti-static duct hose 7.6 mtr diameter Ø 300 mm 12" with carry bag	-
623011AD	Duct adapter/reducer Ø 300 mm to Ø 200 mm	-



Ramfan Electric Driven Ventilators Ex ATEX Type EFi120xx/EFi150xx

The largest hazardous location blowers for highest volume of air movement. Use EFi120xx (1.2 hp) when you need a high volume, low velocity, gentler flow; or EFi150xx (1.5 hp) for higher velocities, increased volumes and reduced purge or cooling times.

Features and Benefits: High pressure axial blower, Durable, PC/ABS anti-static casing is weatherproof, dent resistant, v0 flame retardant and chemical resistant, 2 integrated duct adapters, IP55 rain switch enclosure. Capacity M³/h = free air.

Model part EA8120XX-240 (EFi120xx), Motor 1.2 Hp, Motor type totally encapsulated air flame proof, electric 240V 50Hz 1ph, Amp (Start 27A / Run 5A), cable length 7.6 mtr 2.5mm². Operating temperature -20°C to +40°C. Noise 86.1dB @ 1 mtr. Weight 25 kg, dimensions 48x46x41 cm HxWxD. Impeller 7-blade. Thermally protected cutoff switch.

Model part EA8200XX-230 (EFi150xx), Motor 1.5 Hp, Motor type totally encapsulated air flame proof, electric 230V 50/60Hz 1ph, Amp (Start 40A / Run 8A), cable length 7.6 mtr 2.5mm². Operating temperature -20°C to +40°C. Noise 90.2dB @ 1 mtr. Weight 28 kg, dimensions 48x46x41 cm HxWxD. Impeller 7-blade. Thermally protected cutoff switch.

Certifications & approvals: II 2 G Ex db eb IIB T6 Gb, II 2 G Ex h IIB T6 Gb, Zone 1, 2, T6, non-mining gases up to 85°C.

IECEX UL Certificate #: 13.0062X, EC-Type Examination Certificate #: DEMKO 09 ATEX 0926969X. CE Hazardous Location Marking: CE.

Design of fans working in potentially explosive atmospheres: EN 14986. INMETRO Certificate #: UL-BR 13.0593X

CE Hazardous Location Marking: CE. Design of fans working in potentially explosive atmospheres: EN 14986.

Also available in 110V 50Hz. EFi120xx (article RMN 623012B) and 115V 50/60Hz. EFi150xx (article RMN 623013B).



Article No.	Description	Dia in mm	Cap M ³ /h	1 Ph	Freq. Hz	Exp. kW	Weight kg	Voltage standard	IMPA
623012	EFi120xx (EA8120XX-240)	400	6375	Yes	50	0.9	25	240	-
623013	EFi150xx (EA8200XX-230)	400	7580	Yes	50/60	1.1	28	230	59 15 07

Article No.	Dia in mm	IMPA
623012H046EX	Anti-static duct hose 4.6 mtr diameter Ø 400 mm 14" with carry bag	-
623012H076EX	Anti-static duct hose 7.6 mtr diameter Ø 400 mm 14" with carry bag	-



Ramfan Electric Driven Ventilators Type UB20

The UB20 turbo blower provides you with the complete solution for confined space ventilation applications, delivering powerful airflow in a compact and lightweight package.

Features and Benefits: High pressure axial blower, Dual wall UV resistant, corrosion-proof and dent resistant polyethylene housing, Compact and lightweight, Ultra quiet operation, Integrated duct adapter, IP55 rain switch enclosure. Easily attaches Quick-Couple™ Duct Canister for Exhaust/Suction.

Model part ED8002 (UB20), Motor 0.19 kW, Motor type thermally protected, electric 230V 50/60Hz 1ph, Amp (Start 4.8A / Run 1.3A), cable length 4.6 mtr 1.5mm². Noise 74dB @ 1 mtr. Weight 8 kg, dimensions 36x31x33 cm HxWxD. Impeller 9-blade. Thermally protected cutoff switch. Low profile rocker switch. 16A Schuko plug. 1 duct adapter.

Also available in 115V 50/60Hz 1ph (article RMN 623016 IMPA 59 14 06) Capacity M³/h = free air.

Article No.	Description	Dia in mm	Cap M ³ /h	1 Ph	Freq. Hz	Exp. kW	Weight kg	Voltage standard	IMPA
623015	UB20 (ED8002)	200	1392	Yes	50/60	0.19	8	230	-

Article No.	Dia in mm	IMPA
623015A	Duct hose 4.6 mtr diameter Ø 200 mm 8" with quick couple canister	-
623015B	Duct hose 7.6 mtr diameter Ø 200 mm 8" with quick couple canister	-

Article No.	Dia in mm	IMPA
623015C	Duct hose 4.6 mtr diameter Ø 200 mm 8" with carry bag	-
623015D	Duct hose 7.6 mtr diameter Ø 200 mm 8" with carry bag	-

Article No.	Dia in mm	IMPA
623015E	UB20 Manhole Entry system M.E.D. for the UB20 ventilator (not included)	-
623015F	UB20 In-Line heating system with 4.6 mtr duct hose and carry bag, Delivers up to 55.000 BTU of safe warm breathable air up to 8 hours. Can also be ordered with 4.6 or 7.6 mtr Quick-couple canister.	-



Air Driven Suction & Blower Ventilators

Ramfan Air Driven Ex ATEX Ventilators Type AFi75xx

Compact, air driven ventilator. Pneumatic motor exhausts outside of duct, not in airstream. The hazardous location blower/exhauster provides protection and peace of mind to the user. Capacity M³/h = free air.
 Features and Benefits: Pneumatic axial blower, Durable, PC/ABS anti-static casing is weatherproof, dent resistant and chemical resistant, v0 flame retardant and chemical resistant, 2 integrated duct adapters, Static grounding cord. Complete with filter, motor lubricant & air control valve.

Part type AB7000, Motor GAST 4AM-NRV-50C, motor type Totally encapsulated air flame proof. Operating temperature -30°C to +40°C, Noise 89 dB @ 1mtr, Runtime is continuous, Weight 17 kg, dimensions 41x43x41 cm (HxWxD). Including 2 duct adapters.

Air consumption and horsepower requirements for air compressor*:

Air pressure inlet (PSIG) inlet air 80, Air consumption 68 m³/hr, Compressor 6.4 Hp, Induction ratio 51:1.

*Values are shown for single-stage piston-type air compressors operating at 85% efficiency, and working on intake air under standard conditions.

Certifications and approvals: AFi75xx Motor Certification String, II 2 GD c T4+1° C < Ta <+40° C.



Article No.	Description	Dia in mm	Cap M ³ /h	1 Ph	Freq. Hz	Exp. kW	Weight kg	Voltage standard	IMPA
623040	AFi75xx (AB7000)	300	3471	NA	NA	NA	17	NA	59 15 11



Article No.	Dia in mm	IMPA
623011H046EX	Anti-static duct hose 4.6 mtr diameter Ø 300 mm 12" with carry bag	-
623011H076EX	Anti-static duct hose 7.6 mtr diameter Ø 300 mm 12" with carry bag	-
623011AD	Duct adapter/reducer Ø 300 mm to Ø 200 mm	-



Ramfan Air Driven Ex ATEX Ventilators Type AFi50xx

Large, air driven ventilator is stackable in storage or during operation. Exhausts outside of duct, compressed air not in airstream. Capacity M³/h = free air.

Features and Benefits: Pneumatic axial blower, Durable, PC/ABS anti-static casing is weatherproof, dent resistant and chemical resistant, v0 flame retardant and chemical resistant, 2 integrated duct adapters, Static grounding cord. Complete with filter, motor lubricant & air control valve.

Part type AA7000, Motor GAST 4AM-NRV-50C, motor type Totally encapsulated air flame proof. Operating temperature -30°C to +40°C, Noise 89 dB @ 1mtr, Runtime is continuous, Weight 20 kg, dimensions 48x53x41 cm (HxWxD). Including 2 duct adapters.

Air consumption and horsepower requirements for air compressor*:

Air pressure inlet (PSIG) inlet air 80, Air consumption 68 m³/hr, Compressor 6.4 Hp, Induction ratio 80:1.

*Values are shown for single-stage piston-type air compressors operating at 85% efficiency, and working on intake air under standard conditions.

Certifications and approvals: II 2 GD c T4+1° C < Ta <+40° C.

Article No.	Description	Dia in mm	Cap M ³ /h	1 Ph	Freq. Hz	Exp. kW	Weight kg	Voltage standard	IMPA
623041	AFi50xx (AA7000)	400	5440	NA	NA	NA	20	NA	59 15 12



Article No.	Dia in mm	IMPA
623012H046EX	Anti-static duct hose 4.6 mtr diameter Ø 400 mm 14" with carry bag	-
623012H076EX	Anti-static duct hose 7.6 mtr diameter Ø 400 mm 14" with carry bag	-



Many other suction & blower ventilators types available on request.

Contact our product specialists for more info and possibilities.

Air Driven ATEX VENTURI Ventilators

We also offer a full range of Beco Ventilators and Spitznas Venturi ventilators.

The Venturi ventilators are designed for use in potential explosive atmospheres. Available in steel and stainless steel.

Applications are; ships, power plants, mining, petrochemical plants etc.
 To use for ventilating, exhausting and cooling.

For this specific range:

Contact our product specialists.

