

Axial Fans



L62 RDA
RDA Personenlift 1
Zuluft 30'000m³/h

L63 RDA
RDA Personenlift 2
Zuluft 30'000m³/h



Good climate is the basis for health, performance and well-being.

It is the provision of efficient ventilation and air conditioning systems that drives us forward, as well as the simplification of the work of the planner and installer. Based on the basic values of simplicity and reliability, we develop, produce and distribute high-quality ventilation and air conditioning systems.



FANS | SILENCERS | PROJECTS

DUTY POINT: Airflow 2000 l/s, Pressure 200 Pa

MOTOR TYPE: Standard, High Efficiency, Explosion Proof, H Class

ELECTRICAL SUPPLY: All, Single Phase, Three Phase

SPEED: Single, Full & 1/2, Full & 2/3

POLES: 2, 4, 6, 8

IMPELLER MATERIAL: Aluminium, Anti-Static Plastic, GRP, Default

Product Code: Core

Buttons: Add To Project, Quick Price, Datasheet, Select Silencer, Reset, Reset Columns

Avail	Product Code	Description	Vol	Pres	SPL	Dis	O...	RPM	P	kW	Volt	Tot...	W/L/...	BCA	Price...	Ma...
3	AX45DA16A-2DSF	AX Inline API Axial 450	2.013	202	70	450		2,880	2	1.10	400	75	0.47	<input checked="" type="checkbox"/>	103	15
3	AX40DA26A-2ESF	AX Inline API Axial 400	2.006	201	66	400		2,880	2	1.50	400	58	0.72	<input checked="" type="checkbox"/>	101	15
3	AX56HE29A-4DSF	AX Inline API Axial 560	2.026	205	63	560		1,440	4	1.10	400	60	0.49	<input checked="" type="checkbox"/>	142	15
3	AX56DB22A-4DSF	AX Inline API Axial 560	2.050	210	63	560		1,440	4	1.10	400	58	0.51	<input checked="" type="checkbox"/>	119	15
3	AX56DB22A-4DSF	AX Inline API Axial 560	2.012	202	65	560		1,440	4	1.10	400	52	0.55	<input checked="" type="checkbox"/>	129	15
3	AX50GE30A-2DSF	AX Inline API Axial 500	2.107	222	64	500		2,920	2	1.10	400	65	0.53	<input checked="" type="checkbox"/>	104	15
3	AX56HG30A-4DSF	AX Inline API Axial 560	2.026	205	63	560		1,440	4	1.10	400	52	0.56	<input checked="" type="checkbox"/>	136	15
3	AX40HH32A-2ESF	AX Inline API Axial 400	2.014	202	68	400		2,880	2	1.50	400	50	0.83	<input checked="" type="checkbox"/>	106	15
3	AX63DC17A-4DSF	AX Inline API Axial 630	2.052	210	65	630		1,440	4	1.10	400	57	0.49	<input checked="" type="checkbox"/>	130	15
3	AX45GE35A-2DSF	AX Inline API Axial 450	2.120	224	65	450		2,910	2	1.10	400	68	0.58	<input checked="" type="checkbox"/>	100	15
3	AX56JG29A-4DSF	AX Inline API Axial 560	2.002	200	61	560		1,440	4	1.10	400	52	0.55	<input checked="" type="checkbox"/>	144	15
3	AX40DB26A-2FSF	AX Inline API Axial 400	2.022	204	72	400		2,880	2	2.20	400	46	0.89	<input type="checkbox"/>	109	15
3	AX63HK25A-4DSF	AX Inline API Axial 630	2.025	205	62	630		1,440	4	1.10	400	57	0.47	<input checked="" type="checkbox"/>	145	15
3	AX63DB15A-4CSF	AX Inline API Axial 630	2.051	210	65	630		1,440	4	0.75	400	64	0.44	<input checked="" type="checkbox"/>	125	15
3	AX40HM34A-2FSF	AX Inline API Axial 400	2.045	209	67	400		2,880	2	2.20	400	42	0.99	<input type="checkbox"/>	118	15
3	AX63HM25A-4DSF	AX Inline API Axial 630	2.045	209	64	630		1,440	4	1.10	400	56	0.50	<input type="checkbox"/>	137	15
3	AX56DC23A-4DSF	AX Inline API Axial 560	2.004	200	62	560		1,440	4	1.10	400	75	0.38	<input checked="" type="checkbox"/>	120	15
3	ICQ500-4EE	Inline Centrifugal	2.045	209	58	500		1,385	4	1.49	230	32	0.68	<input type="checkbox"/>	186	15
3	AX63DD15A-4DSF	AX Inline API Axial 630	2.009	201	70	630		1,440	4	1.10	400	51	0.53	<input checked="" type="checkbox"/>	138	15
3	AX56HM30A-4DSF	AX Inline API Axial 560	2.007	201	61	560		1,440	4	1.10	400	61	0.47	<input checked="" type="checkbox"/>	128	15
3	AX63HE25A-4DSF	AX Inline API Axial 630	2.140	233	66	630		1,440	4	1.10	400	62	0.50	<input checked="" type="checkbox"/>	142	15
3	AX56JP31A-4DSF	AX Inline API Axial 560	2.023	204	59	560		1,440	4	1.10	400	57	0.51	<input checked="" type="checkbox"/>	135	15
3	AX63JP28A-4DSF	AX Inline API Axial 630	2.001	200	59	630		1,440	4	1.10	400	53	0.51	<input checked="" type="checkbox"/>	141	15
3	AX63HG25A-4ESF	AX Inline API Axial 630	2.190	239	65	630		1,440	4	1.50	400	56	0.56	<input checked="" type="checkbox"/>	149	15
3	AX50DA12A-2ESF	AX Inline API Axial 500	2.102	220	72	500		2,880	2	1.50	400	53	0.64	<input checked="" type="checkbox"/>	110	15

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Perf | Motor | Attrs | Elect | Dim | Ancis

AX45DA16A-2DSF
AX inline API Axial 450

Description	Sound Power Spectrum (dB)								SPL @3m
	63	125	250	500	1k	2k	4k	8k	
LW Outlet (dB) Free field	73	79	85	86	86	85	79	73	70
LW Inlet (dB) In-duct	64	65	67	67	66	64	76	70	70
LW Outlet (dB) In-duct	85	86	87	86	86	85	79	73	70
LW Inlet (dB) Free field	72	78	85	87	86	84	78	70	69

Go quickly to the right axial fan

You can use our **selection program Specifier** to choose the perfect fans, for your application quickly and with a precise operating point.

You can find an overview of all our products with the necessary technical data in our **online catalogue**. To complete your ventilation package, in the catalogue you will also find our comprehensive range of accessories to complement each product.

You can find this and much more useful and interesting information on www.systemair.nz

Take a look for yourself and discover the world of ventilation and air conditioning!

Technical description

Fan sizes and duties

Systemair axial fans are offered in sizes from 315 mm up to 2,000 mm diameter. Air volumes of up to 75,000 l/s can be achieved. Higher pressures can be offered with two fans installed in series (AC models on request). Fan performance in accordance with ISO 5801, BS848 Part 2 :1985 or AMCA 300.

Casing

The casing and motor fixation is manufactured from galvanized steel. The terminal box is fitted on the outside of the casing.

Impellers

The impellers (hub and blades) are manufactured from highly resistant aluminium, GRP or PAGAS. The blades have an aerodynamic profile to guarantee high efficiencies and a low noise level.

The hub design allows adjustment of the blade angle during assembly of the fan in the factory, in order to achieve the optimum working point

Motors

Motors are TEFC design. Motor enclosures feature IP54 protection as standard with higher ratings available on request. Motor bearings are either sealed for life and maintenance free or supplied with grease lines terminated outside the fan case.

Mounting position and airflow direction

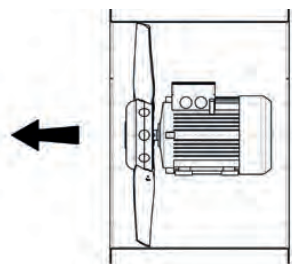
Systemair axial fans can be installed in different mounting positions. Should there be no different information in your order, the fans will be supplied in airflow direction "B", see pictures below.

Accessories

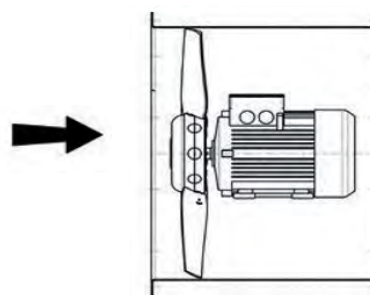
Systemair offers a wide range of accessories, such as:

- protection guards
- mounting feet (horizontal installation) or outrigger mounts (vertical installation)
- flanges
- inlet cones
- anti vibration mounts
- silencers

A

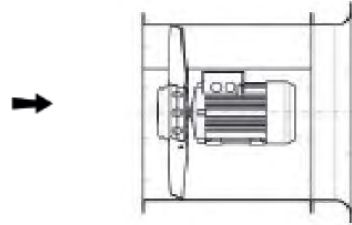


B

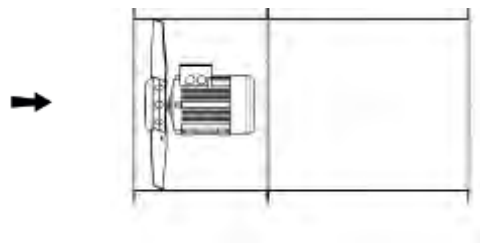


Installation types

A free inlet
free outlet



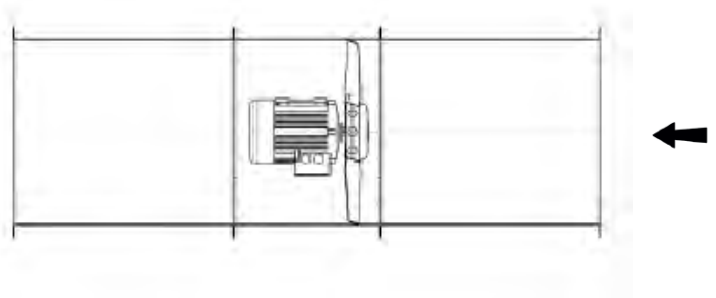
B free inlet
ducted outlet side



C ducted inlet side
free outlet



D ducted inlet side
ducted outlet side



Installation types according to ISO 5801

AX

Axial fans



- AX with aerofoil impeller, adjustable pitch angle for maximum efficiency
- Hub and blades are manufactured from highly resistant aluminium alloy, GRP or PAGAS
- Terminal box mounted at the outside of the casing for easy wiring
- Suitable for operating temperatures between -20 °C and +50 °C (standard F class motor)
- Inspection hole to verify correct direction of rotation
- 60 Hz range available

Systemair AX range of long cased medium pressure axial fans is available in sizes from 315 up to 2,000 mm nominal diameter. The adjustable pitch angle setting offers a wide performance and maximum flexibility to match precisely individual airflow requirements. The AX axial range is tested to ISO 5801, BS 848 Part 2 1985 or AMCA 300.

High efficiency impellers

The AX die cast aerofoil aluminium impellers can be offered with full or fractional solidities, maximum efficiencies can be obtained. Different impeller/hub configurations allow high operating pressures.

Sturdy casing

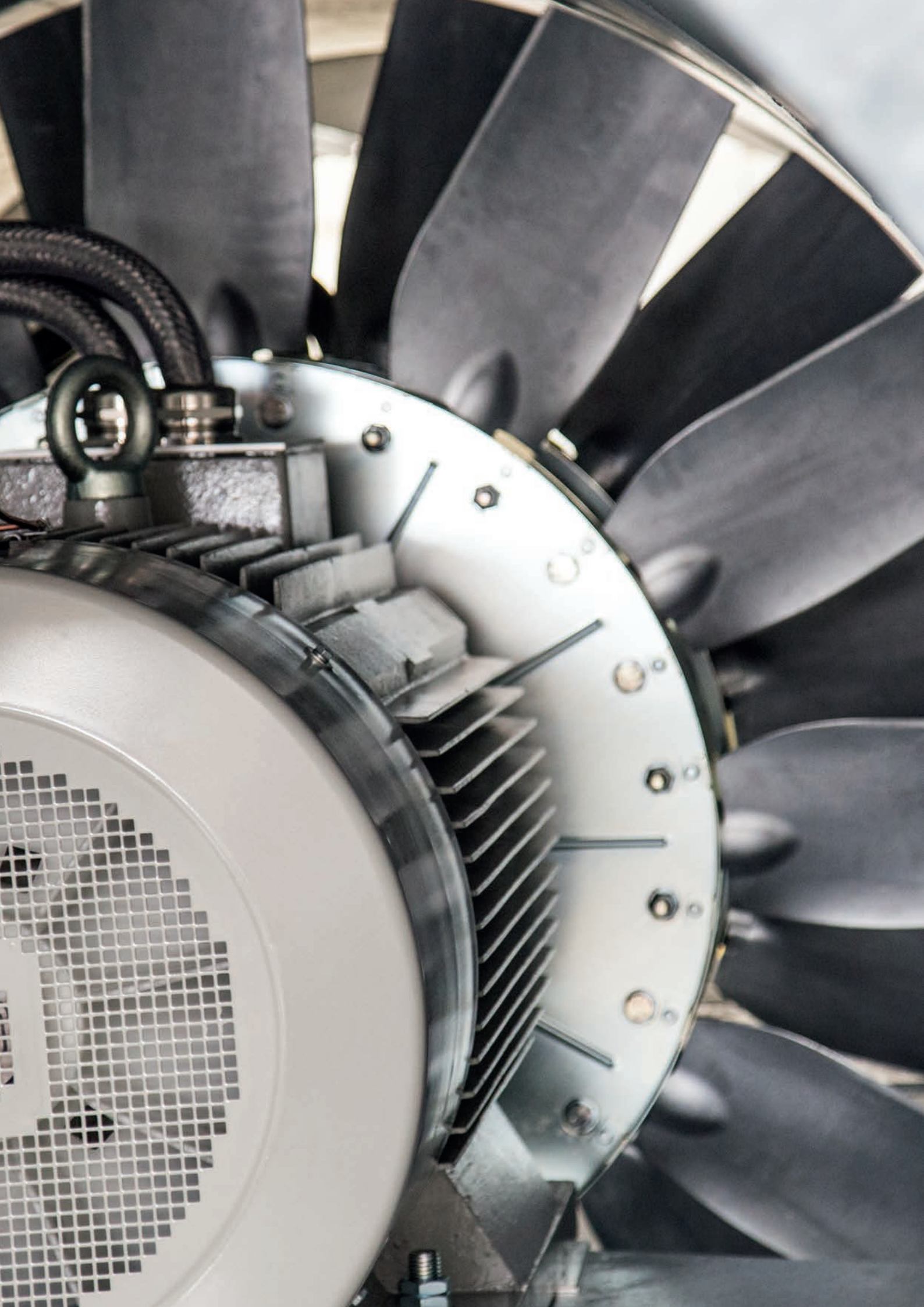
Casings are heavy gauge, galvanized, with spun flanges for high rigidity

Motors

The built-in motors are equipped with Class F insulation as standard. Class H, smoke spill and hazardous location variants readily available. Controllable by frequency converter

Multi stage fans

For higher pressure drops two stage fans are offered. Two fans in series increase the available static operational pressure.



Systemair around the globe



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Distribution Centers

50

Countries with Sales Subsidiaries

