

Axial fans

AXC, AXCP, AXR



AXC



AXCP-E, AXCP-EK

- AXC with aerofoil impeller, adjustable pitch angle for maximum efficiency
- Hub and blades are manufactured from highly resistant aluminium alloy
- Terminal box in IP65 mounted at the outside of the casing for easy wiring (AXC-E without terminal box)
- Suitable for operating temperatures between -20°C and +55°C
- Inspection hole to verify correct direction of rotation
- 60Hz range available

The Systemair AXC/AXR range of long cased medium pressure axial fans is available in sizes from 315 up to 2.240 mm nominal diameter. The adjustable pitch angle setting offers a wide performance and maximum flexibility to match precisely individual airflow requirements. The AXC/AXR axial fans have been performance tested in accordance with DIN ISO 5801, DIN 24163 and AMCA 210-07 on the Systemair fan test rig.

High efficiency impellers

The AXC 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. AXR impellers are truly reversible.

Sturdy casing

Casings are heavy gauge, galvanized, with spun flanges for high rigidity (AXC-E and AXC-EK is made of pre-galvanised sheet steel). Long cased execution as standard stock range. Also available with short casing and with an acoustically insulated box.

Motors

The built-in motors are equipped with PTC thermistors for optimum motor protection. Single or two speed motors. Speed 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.

Quality

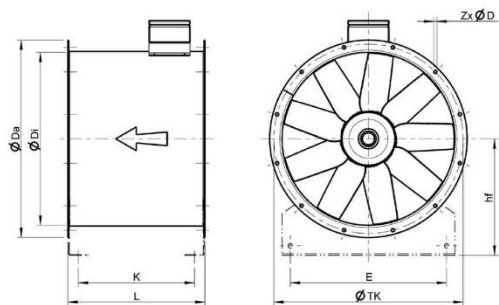
Systemair is certified according to ISO 9001:2008 and ISO 14001:2004. The Systemair quality system is regularly monitored by TÜV Süd.



Warranty

The Systemair general terms and conditions apply.

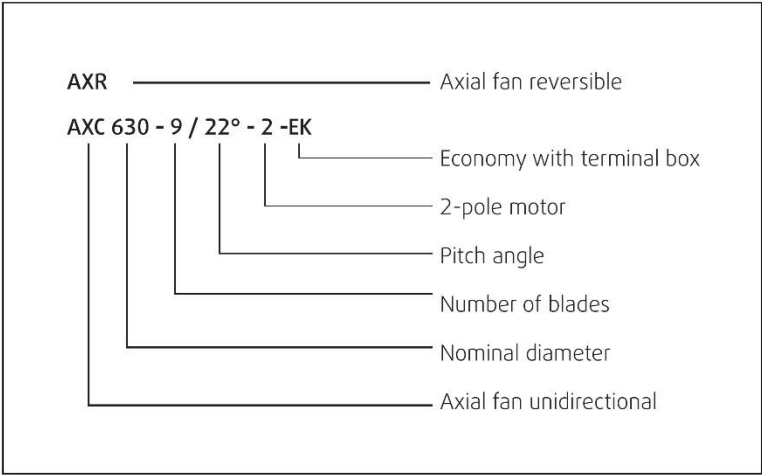
Dimensions



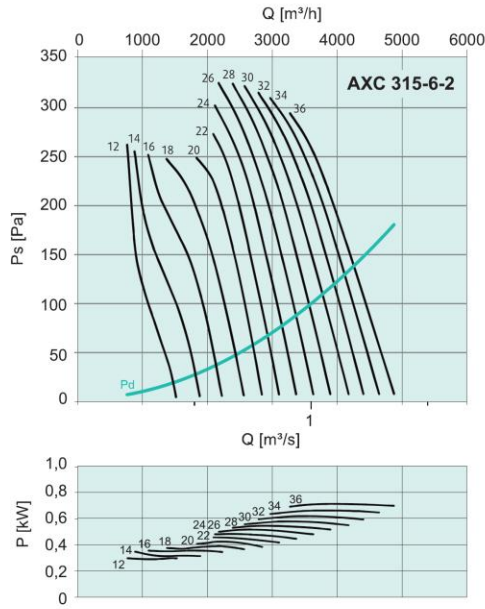
AXC	ϕDi	ϕDa	ϕTk	ϕD	L	hF	E	K
AXCP 315	315	395	355	8x10	425	235	265	360
AXCP 355	355	435	395	8x10	425	250	305	360
AXCP 400	400	480	450	8x12	450	280	350	385
AXCP 450	450	530	500	8x12	500	315	400	435
AXCP 500	500	590	560	12x12	540	335	440	464
AXC 560	560	650	620	12x12	500/750*	375	500	424/674*
AXC 630	630	720	690	12x12	500/750*	425	570	424/674*
AXC 710	710	800	770	16x12	500/700/800*	450	650	424/624/722*
AXC 800	800	890	860	16x12	500/700*	530	730	414/614*
AXC 900	900	1005	970	16x15	640/850*	560	830	552/762*
AXC 1000	1000	1105	1070	16x15	640/850*	670	930	552/762*
AXC 1200	1120	1260	1190	20x15	700/1000*	710	1030	612/910*
AXC 1250	1250	1390	1320	20x15	850/1050*	800	1180	740/938*

* Dimensions L + K depend on motor frame size

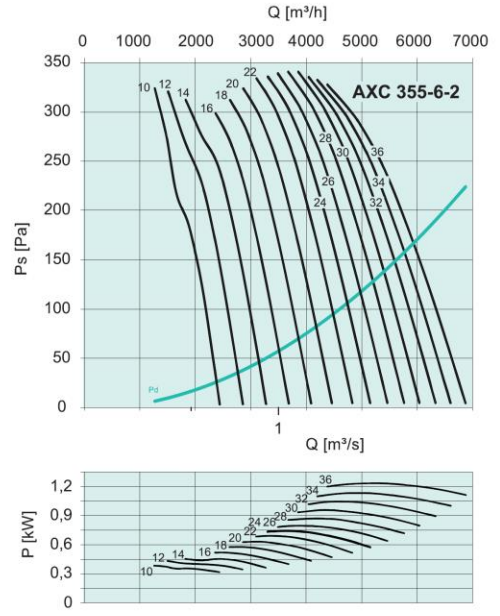
Ordering code



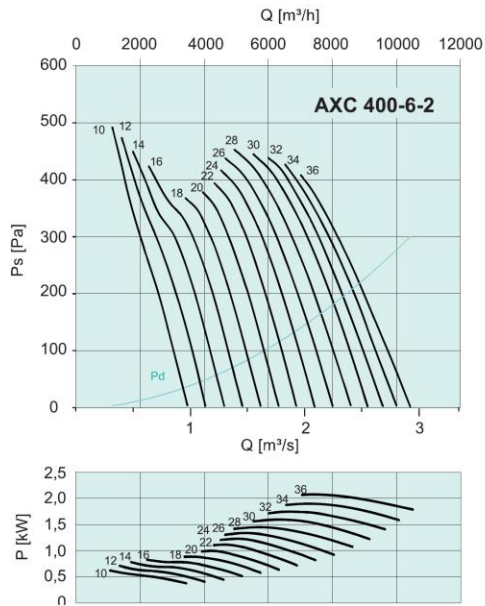
Quick selection



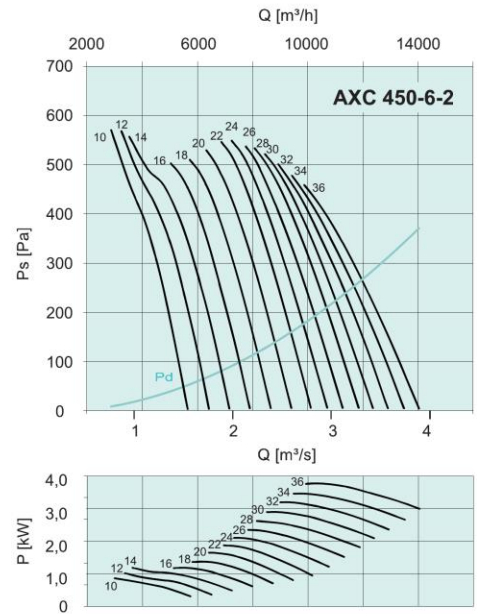
Article no.	Size *
CAXP31501IE3	AXCP 315-6-2 (0,75kW IE3)



Article no.	Size *
CAXP35501IE3	AXCP 355-6-2 (0,75kW IE3)
CAXP35502IE3	AXCP 355-6-2 (1,1kW IE3)
CAXP35503IE3	AXCP 355-6-2 (1,5kW IE3)

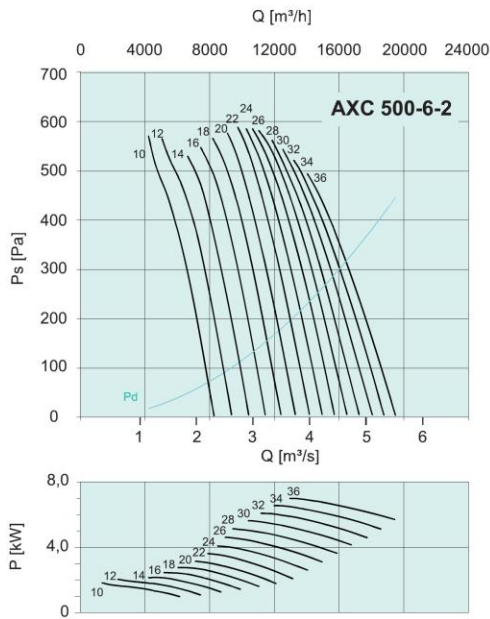


Article no.	Size *
CAXP40001IE3	AXCP 400-6-2 (0,75kW IE3)
CAXP40002IE3	AXCP 400-6-2 (1,1kW IE3)
CAXP40003IE3	AXCP 400-6-2 (1,5kW IE3)
CAXP40004IE3	AXCP 400-6-2 (2,2kW IE3)

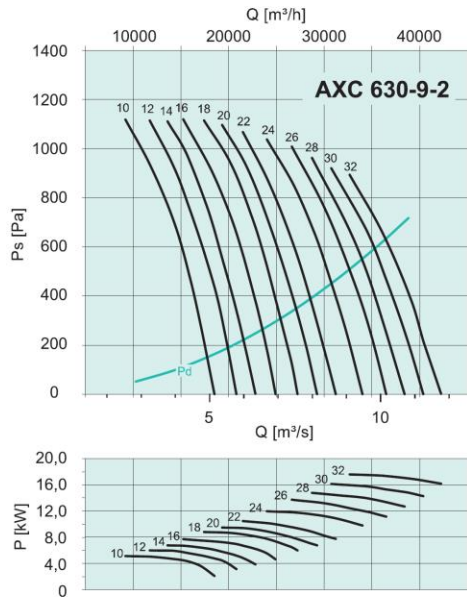


Article no.	Size *
CAXP45001IE3	AXCP 450-6-2 (0,75kW IE3)
CAXP45002IE3	AXCP 450-6-2 (1,1kW IE3)
CAXP45003IE3	AXCP 450-6-2 (1,5kW IE3)
CAXP45004IE3	AXCP 450-6-2 (2,2kW IE3)
CAXP45005IE3	AXCP 450-6-2 (3,0kW IE3)
CAXP45006IE3	AXCP 450-6-2 (4,0kW IE3)

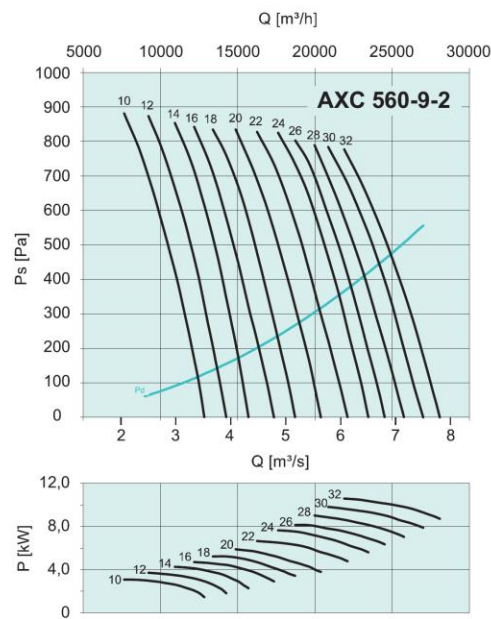
* Further performance curves in the selection program



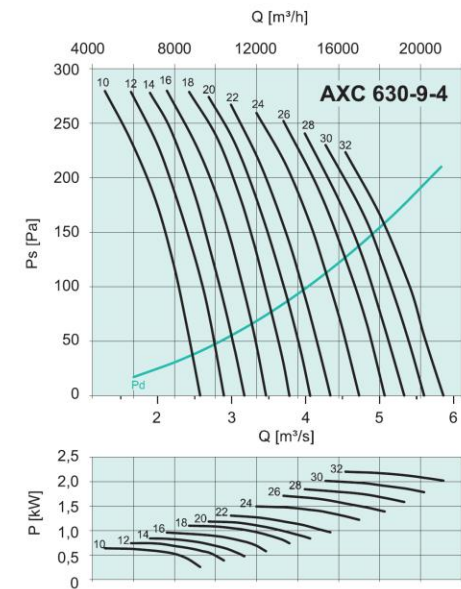
Article no.	Size *
CAXP50001IE3	AXCP 500-6-2 (1,1kW IE3)
CAXP50002IE3	AXCP 500-6-2 (1,5kW IE3)
CAXP50003IE3	AXCP 500-6-2 (2,2kW IE3)
CAXP50004IE3	AXCP 500-6-2 (3,0kW IE3)
CAXP50005IE3	AXCP 500-6-2 (4,0kW IE3)
CAXP50006IE3	AXCP 500-6-2 (5,5kW IE3)
CAXP50007IE3	AXCP 500-6-2 (7,5kW IE3)



Article no.	Size *
CAX63017IE3	AXC 630-9-2 (2,2kW IE3)
CAX63018IE3	AXC 630-9-2 (3kW IE3)
CAX63019IE3	AXC 630-9-2 (4kW IE3)
CAX63020IE3	AXC 630-9-2 (5,5kW IE3)
CAX63021IE3	AXC 630-9-2 (7,5kW IE3)
CAX63022IE3	AXC 630-9-2 (11kW IE3)
CAX63023IE3	AXC 630-9-2 (15kW IE3)
CAX63024IE3	AXC 630-9-2 (18,5kW IE3)

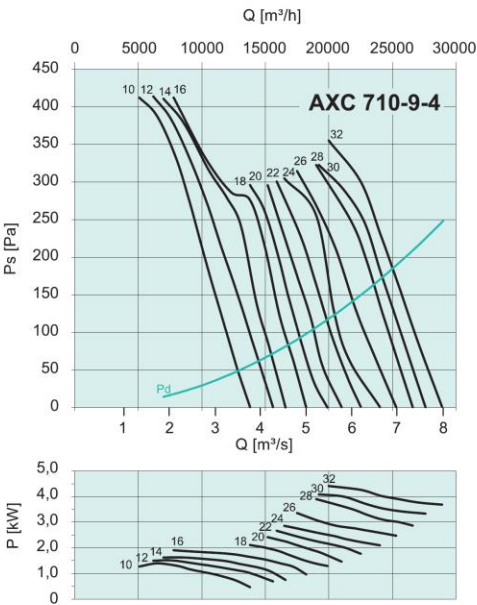


Article no.	Size *
CAX56019IE3	AXC 560-9-2 (1,1kW IE3)
CAX56020IE3	AXC 560-9-2 (1,5kW IE3)
CAX56021IE3	AXC 560-9-2 (2,2kW IE3)
CAX56022IE3	AXC 560-9-2 (3,0kW IE3)
CAX56023IE3	AXC 560-9-2 (4,0kW IE3)
CAX56024IE3	AXC 560-9-2 (5,5kW IE3)
CAX56025IE3	AXC 560-9-2 (7,5kW IE3)
CAX56026IE3	AXC 560-9-2 (11kW IE3)
CAX56027IE3	AXC 560-9-2 (15kW IE3)

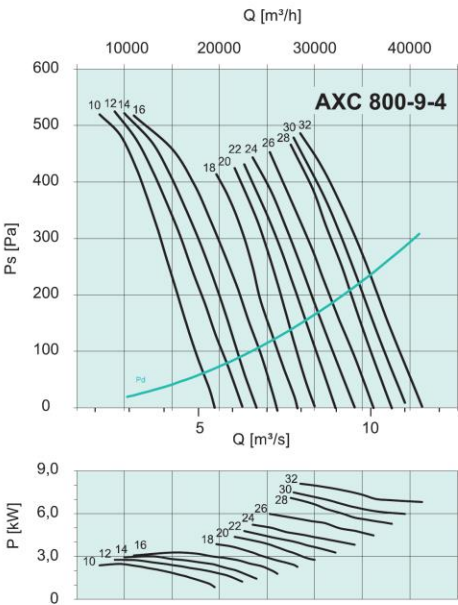


Article no.	Size *
CAX63029IE3	AXC 630-9-4 (2,2kW IE3)
CAX63030IE3	AXC 630-9-4 (3kW IE3)

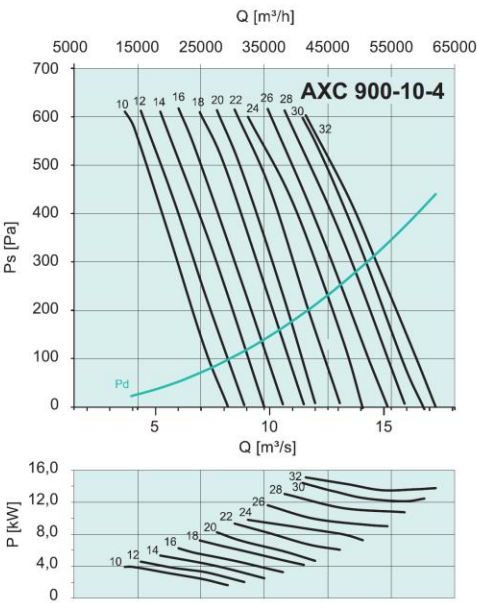
* Further performance curves in the selection program



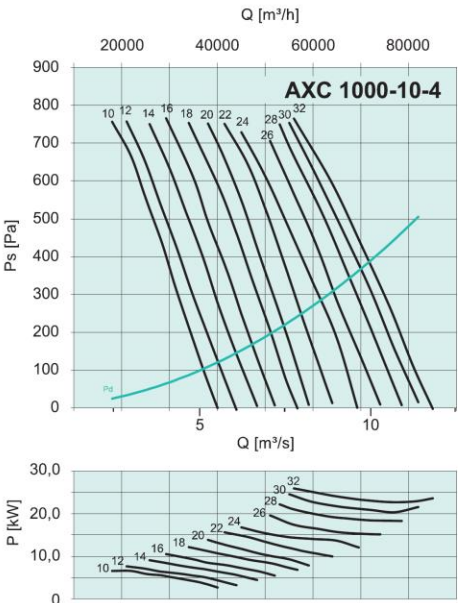
Article no.	Size *
CAX71009IE3	AXC 710-9-4 (2,2kW IE3)
CAX71010IE3	AXC 710-9-4 (3kW IE3)
CAX71011IE3	AXC 710-9-4 (4kW IE3)
CAX71012IE3	AXC 710-9-4 (5,5kW IE3)



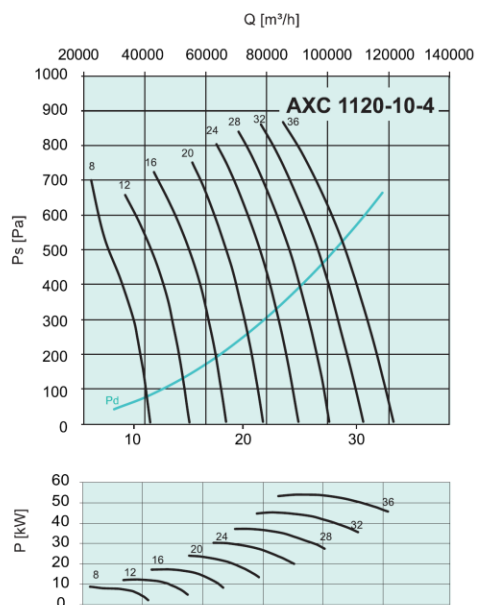
Article no.	Size *
CAX80011IE3	AXC 800-9-4 (2,2kW IE3)
CAX80012IE3	AXC 800-9-4 (3kW IE3)
CAX80013IE3	AXC 800-9-4 (4kW IE3)
CAX80014IE3	AXC 800-9-4 (5,5kW IE3)
CAX80015IE3	AXC 800-9-4 (7,5kW IE3)



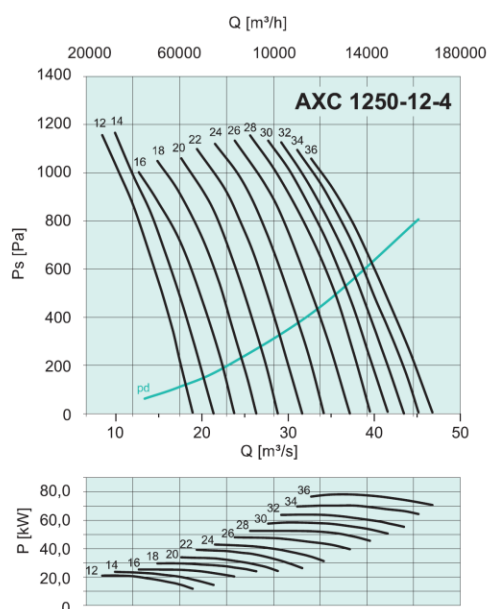
Article no.	Size *
CAX90008IE3	AXC 900-10-4 (2,2kW IE3)
CAX90009IE3	AXC 900-10-4 (3kW IE3)
CAX90010IE3	AXC 900-10-4 (4kW IE3)
CAX90011IE3	AXC 900-10-4 (5,5kW IE3)
CAX90012IE3	AXC 900-10-4 (7,5kW IE3)
CAX90013IE3	AXC 900-10-4 (11kW IE3)
CAX90014IE3	AXC 900-10-4 (15kW IE3)



Article no.	Size *
CAX100007IE3	AXC 1000-10-4 (4kW IE3)
CAX100008IE3	AXC 1000-10-4 (5,5kW IE3)
CAX100009IE3	AXC 1000-10-4 (7,7kW IE3)
CAX100010IE3	AXC 1000-10-4 (11kW IE3)
CAX100011IE3	AXC 1000-10-4 (15kW IE3)
CAX100012IE3	AXC 1000-10-4 (18,5kW IE3)
CAX100013IE3	AXC 1000-10-4 (22kW IE3)
CAX100014IE3	AXC 1000-10-4 (30kW IE3)



Article no.	Size *
CAX112006IE3	AXC 1120-10-4 (5,5kW IE3)
CAX112007IE3	AXC 1120-10-4 (7,5kW IE3)
CAX112008IE3	AXC 1120-10-4 (11kW IE3)
CAX112009IE3	AXC 1120-10-4 (15kW IE3)
CAX112010IE3	AXC 1120-10-4 (18,5kW IE3)



Article no.	Size *
CAX125007IE3	AXC 1250-12-4 (11kW IE3)
CAX125008IE3	AXC 1250-12-4 (15kW IE3)
CAX125009IE3	AXC 1250-12-4 (18,5kW IE3)
CAX125010IE3	AXC 1250-12-4 (22kW IE3)
CAX125011IE3	AXC 1250-12-4 (30kW IE3)
CAX125012IE3	AXC 1250-12-4 (37kW IE3)
CAX125013IE3	AXC 1250-12-4 (45kW IE3)
CAX125014IE3	AXC 1250-12-4 (55kW IE3)

* Further performance curves in the selection program