

## VORT QBK - SAL KC RANGE

AIRSTREAM 120 °C

Cabinet fans designed to extract hot, humid, dirty air

### PRODUCT SPECIFICATIONS

*Ideal for ventilating industrial spaces and industrial or commercial kitchens.*

LONG LIFE 30.000 h



- 8 models, 3 single phase and 5 three phase.
- Flow rates up to 16300 m³/h.
- Air flow temperatures up to maximum 120° C.
- Extruded UNI 9006 aluminium frames assembled with diecast aluminium joints.
- Zinc treated sandwich panels, sheet 23 mm thick external 6/10 thick zinc treated, sound-proof through mineral wool.
- Fan motor units with dynamically balanced twin intake direct feed forward-curved centrifugal blades, made using galvanized steel (ISO standard 1940).
- 1-speed induction motors, all in class F except codes 45278 and 45279 which are in class H, located outside the airstream and separated from the impeller by a metal panel, with shafts turning in ball bearings and suitable for control with electronic variable voltage or auto-transformer devices.
- Rectangular section delivery outlets with facility for circular outlet by fitting a specific accessory.
- Inspection panel with triangular key.
- Galvanized steel condensate drip trays with drain points and blank nut for draining.
- Galvanized steel anti-bird guards to protect the motor.
- Operating ambient temperature between -20 and +70° C.
- Protection rating: IP55.
- Insulation class: Cl.I ⊕.

Fans used in VORT QBK SAL-KC range comply with ErP N° 327/2011/UE.



drain for condensate /  
residues

blank nut for  
draining



VORT QBK  
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RANGE



AIRSTREAM  
120 °C

## KEY FEATURES

- Can operate with airstream temperatures, up to 120 °C. Ambient temperature 70 °C for all models except QBK SAL KC T 500 (50°C) and QBK SAL KC M 400 (60°C).
- High reliability and reduced maintenance requirement.
- Low noise emissions.
- Easy access to the fan thanks to the panels with a triangular key locking device.
- High reliability and reduced maintenance requirement.
- Flexible installation: panels can be removed to fit any system requirement.
- Outdoor installation is possible by using the optional rain covers.

## TECHNICAL DATA

Models	Code	V ~ 50 Hz	W nom/max	A nom/max	Poles	RPM	Max Airflow		Max Pressure		°C Max	°C Ariflow	IP motor	Kg
							m³/h	l/s	mmH₂O	Pa				
VORT QBK - SAL KC M 315	45266	220 - 240	275 280	1.30 1.23	4	1365	1790	497	36.1	354	70	120	55	33
VORT QBK - SAL KC M 355	45268		770 820	3.52 3.41		1355	4300	1194	46.3	454				50
VORT QBK - SAL KC M 400	45276		1130 1190	5.19 4.97		1325	6300	1750	59.2	582	68			
VORT QBK - SAL KC T 315	45267	380 - 415	270 280	0.58 0.61		1420	1860	516	37.5	367	70			33
VORT QBK - SAL KC T 355	45269		790 805	1.47 1.53			4420	1227	50.0	490				50
VORT QBK - SAL KC T 400	45277		1225 1295	2.24 2.22		1390	6500	1805	63.7	625				68
VORT QBK - SAL KC T 500	45278		2090 2180	3.65 3.55		1325	9000	2500	79.5	780	50			80
VORT QBK - SAL KC T 560	45279		3520 3630	6.85 6.87	6	950	16300	4500	80.0	785				100

## VORT QBK - SAL KC RANGE

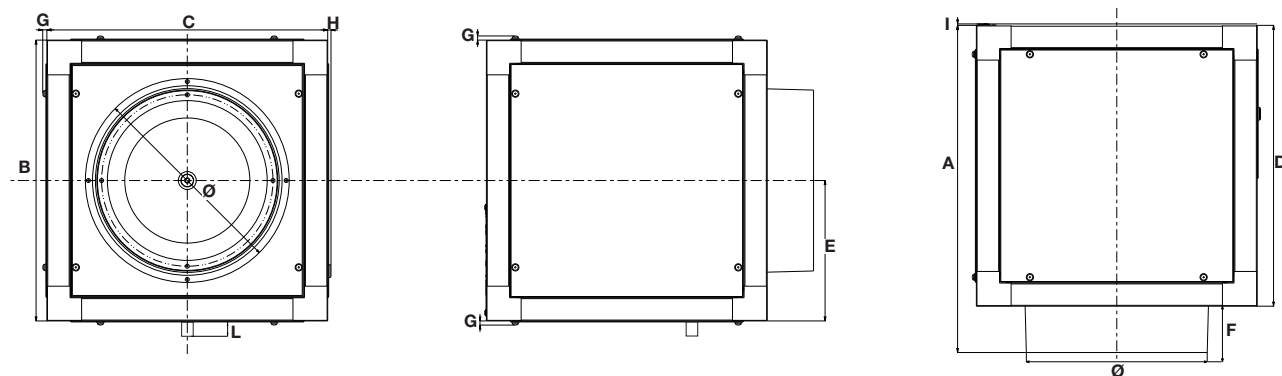
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### SOUND LEVELS

Models	Code	Speed	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Lw dB (A)	Lp dB (A) 3m*
VORT QBK - SAL KC M 315	45266	Max	56.8	55.4	60.9	60.4	57.6	50.6	45.1	70.2	49.7
VORT QBK - SAL KC M 355	45268		67.1	63.7	68.5	65.8	63.6	60.6	53.4	77.8	57.3
VORT QBK - SAL KC M 400	45276		68.2	61.9	66.1	71.9	66.9	60.6	56.4	80.6	60.1
VORT QBK - SAL KC T 315	45267		55.8	55.5	61.3	60.8	58.3	51.6	45.6	70.9	50.4
VORT QBK - SAL KC T 355	45269		67.1	64.2	69.7	67.5	64.6	61.7	54.4	79.6	59.1
VORT QBK - SAL KC T 400	45277		68.8	62.1	67.3	71.9	68.1	61.1	57.0	82.9	62.4
VORT QBK - SAL KC T 500	45278		76.2	67.4	72.2	72.7	70.6	64.8	59.1	84.2	63.7
VORT QBK - SAL KC T 560	45279		60.5	68.8	73.0	76.9	78.8	67.4	61.6	86.2	65.7

\* Sound pressure level measured at 3 m in free field conditions with long-cased appliance in delivery mode, in accordance with standard EN ISO 3741.

### DIMENSIONS



Models	A	B	C	D	E	F	G	H	I	L	Ø
VORT QBK - SAL KC 315	566	485			242.5	81	8	6	3	26	315
VORT QBK - SAL KC 355	671	590			295						355
VORT QBK - SAL KC 400	731	650			325						400
VORT QBK - SAL KC 500	803	722			361						500
VORT QBK - SAL KC 560	1092	1011			505.5						560

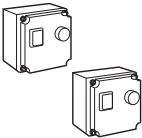
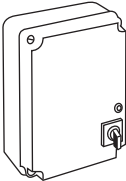
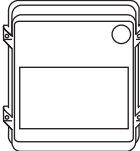

Dimensions (mm)



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HUMID, DIRTY AIR

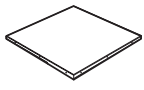
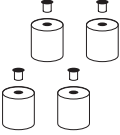

## ACCESSORIES

	Description	Code	Product	
	IREM 3 - Single-phase speed controller	12931	45266	
	IREM 5 - Single-phase speed controller	12932	45268	
	IRET 6 - Three-phase speed controller	12934	45277	
	IRM 40 - Three position single phase speed controller	12922	45266	
	IRM 50 - Three position single phase speed controller	12928	45268	
	IRT 35 - Three phase variable voltage drive	12924	45267 - 45269	
	IRT 40 - Three position three phase speed controller	12927	45277 - 45278	
	IREM INVERTER 4M - Single phase speed controller	12815	45266	
	IREM INVERTER 6M - Single phase speed controller	12818	45268 - 45276	
	IRET INVERTER 2.5M - Three phase speed controller	12816	45267 - 45269	
	IRET INVERTER 5M - Three phase speed controller	12817	45277 - 45278	
	IRET INVERTER 8M - Three phase speed controller	12821	45279	
	POTENTIOMETER	12819	12815 - 12816 - 12817 - 12818	
	Circular discharger adaptor	315	24184	45266 - 45267
		355	24185	45268 - 45269
		400	24186	45276 - 45277
		500	24187	45278
		560	24135	45279
	Angled discharge section	315	24196	45266 - 45267
		355	24197	45268 - 45269
		400	24198	45276 - 45277
		500	24199	45278
		560	24138	45279

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	Description	Code	Product
	Rain guard	315 24192	45266 - 45267
		355 24193	45268 - 45269
		400 24194	45276 - 45277
		500 24195	45278
		560 24137	45279
	Anti vibration dampers	315 24188	45266 - 45267
		355 24189	45268 - 45269
		400 24190	45276 - 45277
		500/560 24191	45278- 45279
	QBK F - Feet	24144	45278 - 45279

### APPLICATIONS



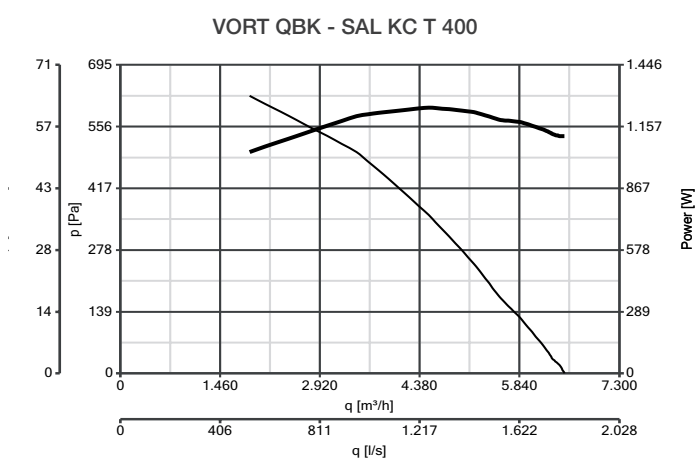
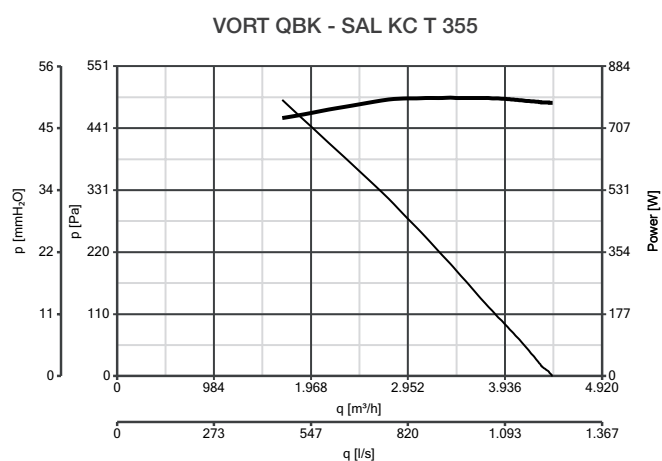
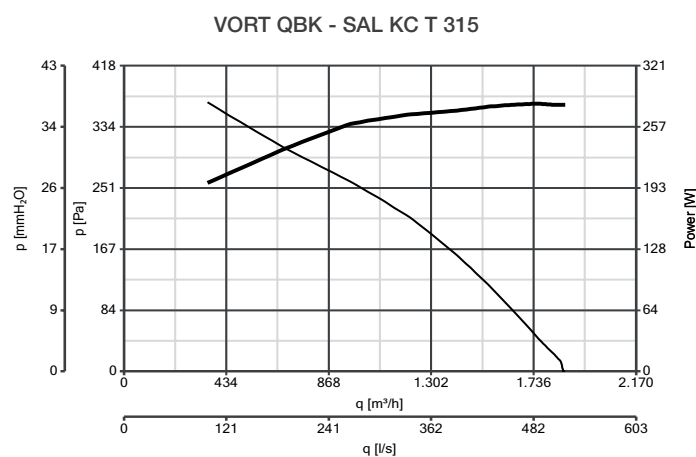
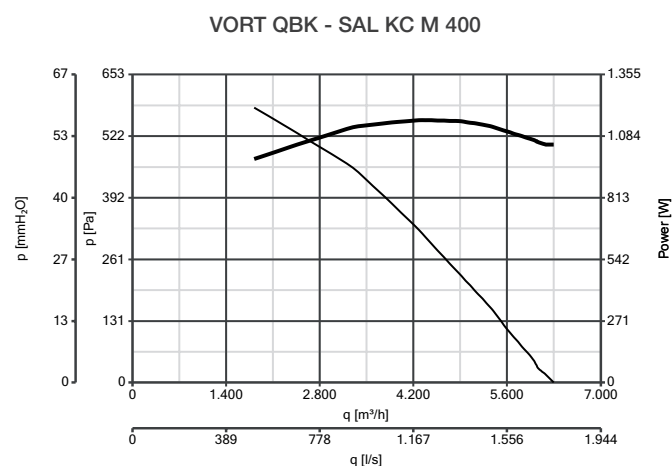
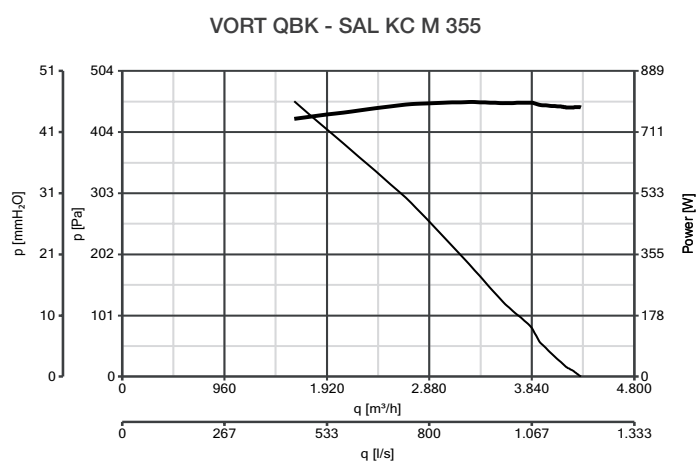
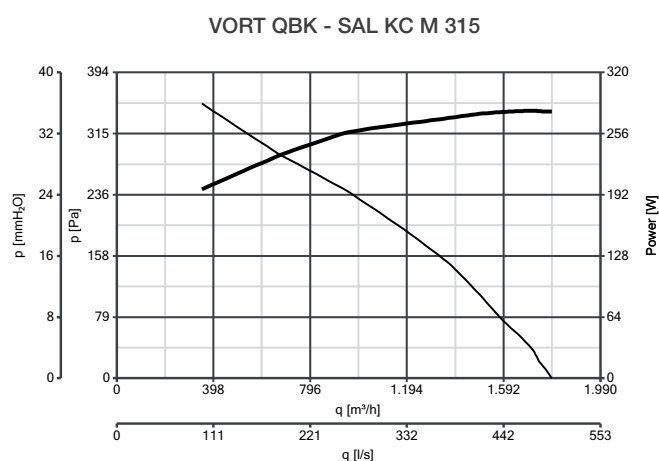


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## PERFORMANCE CURVES

— Delivery — Power consumption



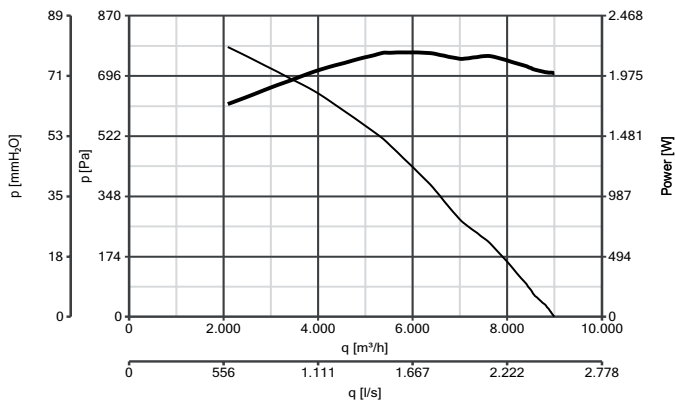
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### PERFORMANCE CURVES

— Delivery — Power consumption

VORT QBK - SAL KC T 500



VORT QBK - SAL KC T 560

