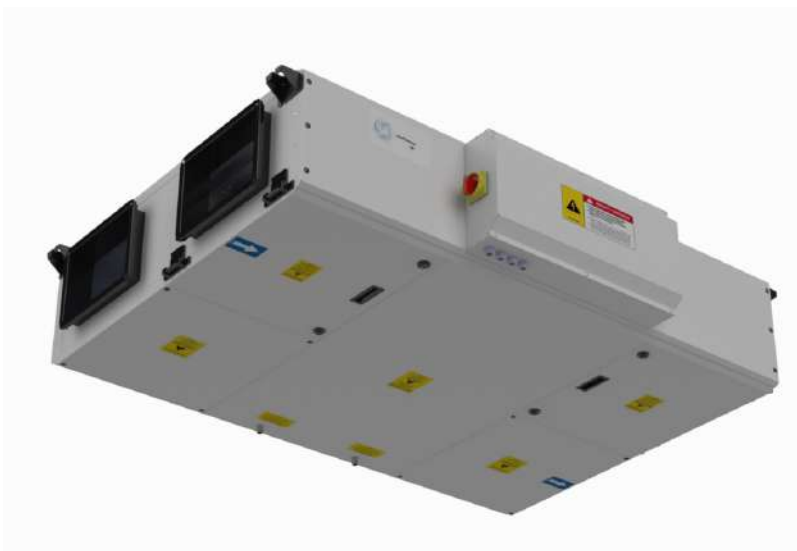


**GENERAL PRODUCT  
BROCHURE**



**confidence  
air**

## CF-HR HEAT RECOVERY UNITS (Counter Flow Heat Exchanger)



		CF-HR				
		500	1000	1500	2300	3000
Electrical Connections		1~230 V 50 Hz				
Performance Datas						
Air Flow (°)	m³/h	550	1050	1600	2300	3150
Sound Level (°)	dB (A)	42	40	43	45	51
Electrical Requirements						
Max. Fan/motor Power (°)	W	338	340	1000	1000	1460
Max. Current	(A)	2,7	2,8	4,4	4,4	6,4

The body consists of a 0.8 mm galvanized inner sheet and a 0.8 mm outer sheet painted RAL 9002. 50 mm panel, filled with rockwool(70 kg/m<sup>3</sup>), offers sound and heat isolation.

Eurovent certified, counterflow type aluminium plate exchanger which have high efficiency levels reaching %90 according to EN 308 are used in CFHR units.



Fans with EC motor are used in CFHR units EC motors have higher efficiencies than AC motors, and have easy speed control.

- Fan blades are backward curved type which have high aero-dynamic efficiency .

F7 Filter on the fresh air side and M5 filter on exhaust side are used.

# CHR HEAT RECOVERY UNITS (Cross Flow Heat Exchanger)



		CHR							
		800	1200	1500	2100	3000	4000	5000	6000
Electrical Connections		1~230 V 50 Hz							
Performance Datas									
Air Flow ( <sup>1</sup> )	m <sup>3</sup> /h	850	1300	1500	2100	3100	3900	5100	6100
Sound Level ( <sup>2</sup> )	dB (A)	44	45	46	48	49	50	52	53
Electrical Requirements									
Fan/motor Power ( <sup>3</sup> )	W	240	310	420	450	750	960	1360	1840
Maximum Current	(A)	0,9	1,36	1,8	2	3,5	4,8	6	3,8

<sup>1</sup> Airflow data when the ESP is 0 Pa.

<sup>2</sup> Sound levels are measured at 250Hz and at 1,5m distance.

<sup>3</sup> Power consumption

Low noise level and high efficiency by using back curved plug fans

CHR Units use direct driven plug fans with AC motors.

Eurovent certified cross-flow heat exchangers



All the components are detachable in case of maintenance needs without demounting of the unit.

Thermal and sound isolation (Flame retardant)  
Flame retardant, polyurethane foams are used in CHR units to assure thermal and sound isolation.

# CHRU Unit

Confidence Air Heat Recovery Ventilator range has 8 models between 800m<sup>3</sup>/h and 5.000m<sup>3</sup>/h. The design made for recovering and transferring the thermal load on the exhaust air to fresh air.

## Functions

CHRU units;

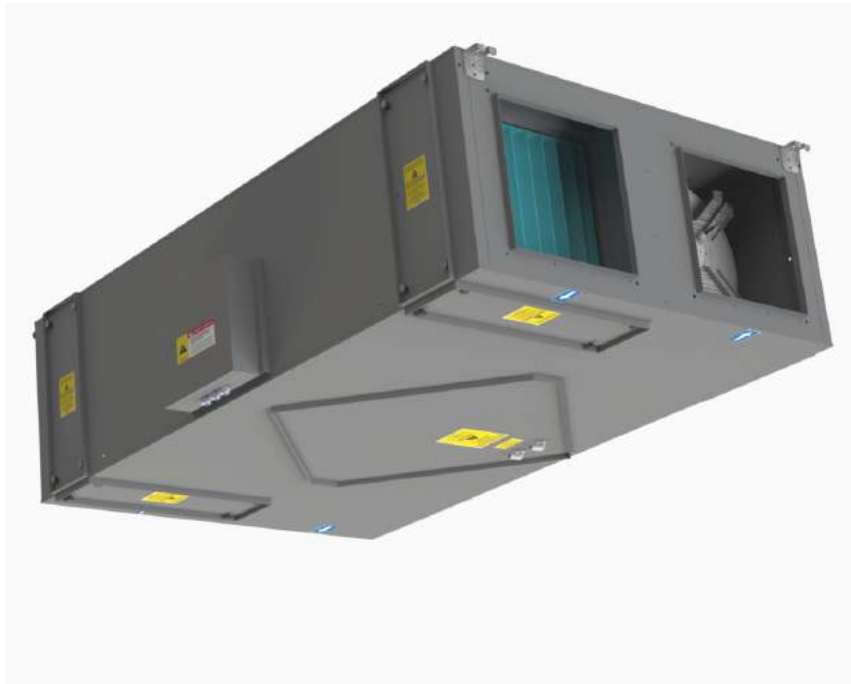
- Supplying fresh air to indoor
- Exhausting
- Filtering of supply air
- Transferring energy of the exhaust air to fresh air

## Advantages;

- Double drain pan
- Galvanized steel case
- Mounting from both sides thanks to functional design
- Removable plate exchanger
- Electrical heater or water coil application(optional)
- Easy replacing of air inlet-outlet connections
- High efficient Eurovent certified plate heat exchangers
- Low noise level and high efficiency by using back curved plug fans
- Easy maintenance for all components without demounting of unit
- Thermal and sound isolation(Non flammable)
- Functional control panel

## Why To Choose Confidence Air Heat Recovery Ventilators

- Low Energy Consumption with high efficiency plug fans
- Eurovent-certified aluminum recuperator of brand for high thermal efficiency
- Low noise levels
- G class filter
- Smart automation solutions(optional)
- Proportional speed control
- 8 different models between 800m<sup>3</sup>/h and 5000m<sup>3</sup>/h
- Easy mounting for electrical heaters
- Water coil (optional)



## ECOLOJI UNITS



MODEL	ESP Type	Air Flow (m3/h)	Voltage (VOLT/HZ)	ESP Electric Power (W)	Motor Power (W)	Carbon Plate (PC)	Active Carbon Filter (PCS)
ECO5000	ESP 3000E	3500	380/50	30	3	12x2	24
ECO7500	ESP 4500E	7.000	380/50	40	5,5	12x3	36
ECO15000	ESP 4500E (2 PCS)	13600	380/50	80	11	12x6	72
ECO20000	ESP 6000E (2 PCS)	17000	380/50	100	15	16x6	96
ECO22500	ESP 4500E (3 PCS)	20.500	380/50	120	18,5	12x9	108



## KITCHEN EXHAUST FANS



## BACKWARD CURVED KITCHEN EXHAUST FANS

MODEL	VOLTAGE (VOLT/HZ)	MOTOR POWER		CUR- RENT (A)	SPEED (d/d)	AIR FLOW (m3/h)	PRESSURE Pa
		HP	kW				
CHS-1	230/380/50	1	0,75	2,10	1400	2500	400
CHS-1,5	230/380/50	1,5	1,1	2,60	1400	4000	400
CHS-2	230/380/50	2	1,5	3,50	1400	6000	400
CHS-3	230/380/50	3	2,2	5	1400	8000	400
CHS-4	230/380/50	4	3	6,60	1400	10000	400
CHS-5,5	380/50	5,5	4	8,20	1400	12000	400
CHS-7,5	380/50	7,5	5,5	11,20	1400	16000	400
CHS-10	380/50	10	7,5	15,40	1400	20000	400
CHS-15	380/50	15	11	21	1400	25000	400
CHS-20	380/50	20	15	29,80	1400	30000	400
CHS-25	380/50	25	18,5	34,50	1400	35000	400
CHS-30	380/50	30	22	42,50	1400	40000	400
CHS-40	380/50	40	30	55	1400	45000	400
CHS-50	380/50	50	37	67	1400	50000	400

## CHP CABINET FANS



MODEL	VOLTAGE (VOLT/HZ)	MOTOR POWER		CURRENT (A)	SPEED (d/d)	AIR FLOW (m3/h)
		HP	kW			
CHP-315	230/380/50	1/3	0,25	1,82	1400	2000
CHP-355	230/380/50	1/2	0,37	2,54	1400	3000
CHP-400	230/380/50	3/4	0,55	3,38	1400	4500
CHP-450	230/380/50	1,5	1,1	7,30	1400	6500
CHP-500	230/380/50	2	1,5	9,20	1400	8500
CHP-560	230/380/50	3	2,2	13,60	1400	10500
CHP-630	230/380/50	4	3	19	1400	12500

## DOUBLE SKINNED AND ACOUSTIC ISOLATED BOX FAN WITH EXTERNAL MOTOR (BACKWARD CURVED PLUG FAN)



MODEL	VOLTAGE (VOLT/Hz)	MOTOR POWER		CURRENT (A)	SPEED (d/d)	AIR FLOW (m3/h)
		HP	kW			
CPH-315	230/380/50	1/3	0,25	1,82	1400	2000
CPH-355	230/380/50	1/2	0,37	2,54	1400	3000
CPH-400	230/380/50	3/4	0,55	3,38	1400	4500
CPH-450	230/380/50	1,5	1,1	7,30	1400	6500
CPH-500	230/380/50	2	1,5	9,20	1400	8500
CPH-560	230/380/50	3	2,2	13,60	1400	10500
CPH-630	230/380/50	4	3	19	1400	12500

## DOUBLE SKINNED AND FILTERED BOX FAN WITH EXTERNAL MOTOR (BACKWARD CURVED PLUG FAN)



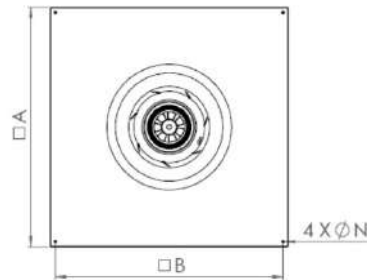
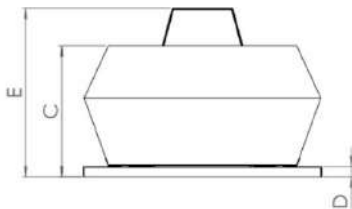
MODEL	VOLTAGE (VOLT/Hz)	MOTOR POWER		CURRENT (A)	SPEED (d/d)	AIR FLOW (m3/h)
		HP	kW			
CPH-F-315	230/380/50	1/2	0,37	2,54	1400	2000
CPH-F-355	230/380/50	3/4	0,55	3,38	1400	3000
CPH-F-400	230/380/50	1,5	1,1	7,30	1400	4500
CPH-F-450	230/380/50	2	1,5	9,20	1400	6500
CPH-F-500	230/380/50	3	2,2	13,60	1400	8500
CPH-F-560	230/380/50	4	3	19	1400	10500
CPH-F-630	380/50	4	3	-	1400	12500



## External Motor Radial Vertical Discharge Roof Type Fans



MODEL	VOLTAGE (VOLT/HZ)	MOTOR POWER		CURRENT (A)	SPEED (d/d)	AIR FLOW (m3/h)
		HP	kW			
CRF-280	230/380/50	1/3	0,25	0,81	1400	1000
CRF-315	230/380/50	1/2	0,37	1,15	1400	1750
CRF-355	230/380/50	3/4	0,55	1,60	1400	2500
CRF-400	230/380/50	1	0,75	2,10	1400	3500
CRF-450	230/380/50	1,5	1,1	2,60	1400	5000
CRF-500	230/380/50	2	1,5	3,5	1400	8000
CRF-560	230/380/50	3	2	5	1400	1000



### DIMENSIONS (mm)

Model	A	B	C	D	E	Ø F
CRF-280	560	450	340	35	510	14
CRF-315	700	576	390	35	575	14
CRF-355	700	576	390	35	575	14
CRF-400	750	576	425	35	596	14
CRF-450	800	626	445	35	655	14
CRF-500	850	676	490	35	720	14
CRF-560	950	740	600	35	850	14

## BACKWARD CURVED RECTANGULAR IN LINE DUCT FANS WITH EXTERNAL MOTOR



MODEL	DIMENSIONS (CM)	VOLTAGE (VOLT/HZ)	CURRENT (A)		MOTOR POWER		AIR FLOW (m3/h)	SPEED (d/d)
			MONOFAZE	TRIFAZE	HP	kW		
CDKF-S-315	60X35	230/380/50	1,82	0,79	1/3	0,25	2850	1400
CDKF-S-355	60X35	230/380/50	2,54	1,20	1/2	0,37	3400	1400
CDKF-S-400	70X40	230/380/50	3,38	1,54	3/4	0,55	4500	1400
CDKF-S-450	70X40	230/380/50	7,30	2,56	1,5	1,1	6200	1400
CDKF-S-500	80X50	230/380/50	9,20	3,40	2	1,5	8700	1400
CDKF-S-560	100X50	230/380/50	13,60	5,25	3	2,2	10500	1400
CDKF-S-630	100X50	230/380/50	19	6,60	4	3	12500	1400

## BACKWARD CURVED RECTANGULAR IN LINE DUCT FANS WITH EXTERNAL MOTOR



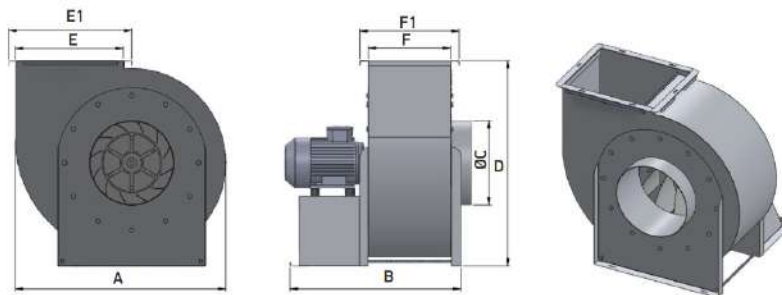
MODEL	DIMENSIONS (CM)	VOLTAGE (VOLT/HZ)	CURRENT (A)		MOTOR POWER		AIR FLOW (m3/h)	SPEED (d/d)
			MONOFAZE	TRIFAZE	HP	kW		
CDKF-SK-200	40X20	230/380/50	1,82	0,79	1/3	0,25	1000	1400
CDKF-SK-220	50X25	230/380/50	2,54	1,20	1/2	0,37	1650	1400
CDKF-SK-250	50X30	230/380/50	3,38	1,54	3/4	0,55	2150	1400
CDKF-SK-280	60X30	230/380/50	4,72	2,56	1	1,1	2950	1400
CDKF-SK-315	60X35	230/380/50	9,20	3,40	2	1,5	4000	1400
CDKF-SK-355 A	70X40	230/380/50	13,55	5,25	3	2,2	8000	1400
CDKF-SK-355 B	70X40	380/50	3,08		1,5	1,1	5500	900
CDKF-SK-400	80X50	380/50	3,63		2	1,5	6500	900
CDKF-SK-450	100X50	380/50	5,25		3	2,2	7500	900

## Single Suction Centrifugal Fans



MODEL	VOLTAGE (VOLT/HZ)	MOTOR POWER		SPEED (d/d)	AIR FLOW (m3/h)	Max. Pressure Drop (Pa)
		HP	kW			
CVR-0,5	230/380/50	0,5	0,37	1380	2500	250
CVR-1	230/380/50	1	0,75	1410	5000	300
CVR-1,5	230/380/50	1,5	1,1	1430	6000	300
CVR-2	230/380/50	2	1,5	1430	8000	300
CVR-3	230/380/50	3	2,2	1435	10000	300
CVR-4	380/50	4	3	1435	11000	350
CVR-5,5	380/50	5,5	4	1455	13000	350
CVR-7,5	380/50	7	5	1465	16000	350

### DIMENSIONS



Model	DIMENSIONS (mm)							
	A	B	Ø C	D	E	E1	F	F1
CVR-0,5	520	420	195	510	240	295	200	255
CVR-1	610	480	245	600	330	390	210	265
CVR-1,5	740	590	295	720	370	430	285	350
CVR-2	780	590	295	720	370	430	285	350
CVR-3	780	695	345	760	435	490	330	395
CVR-4	790	695	345	760	435	490	330	395
CVR-5,5	790	705	395	780	465	560	340	410
CVR-7,5	950	890	445	920	495	610	435	510

## ELECTRIC HEATERS

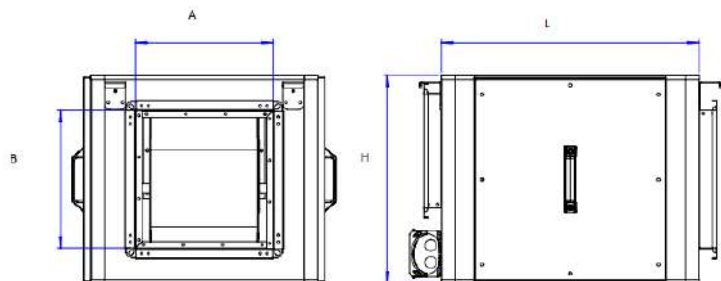


Model	Electrical Power	Step
	kW	
CHR	800	2
	1000	3
	1500	5
	2100	7
	3000	8
	4000	10
	5000	12
	6000	13

## CBOX CABINET FANS



MODEL	VOLTAGE (VOLT/HZ)	FAN POWER	CURRENT	SPEED	AIR FLOW
		W	(A)	(d/d)	(m3/h)
CBOX-20	230/50	375	4	1400	2000
CBOX-30	230/50	450	5	1400	3000
CBOX-35	230/50	550	4,9	1400	3500
CBOX-40	230/50	750	5,9	1400	4000
CBOX-60	230/50	1270	7,7	1400	6000



MODEL	Length (mm)	Width (mm)	Height (mm)	Duct Connection (mm)	
				a	b
CBOX-20	562	524	453	300	300
CBOX-30	612	574	530	350	400
CBOX-35	612	624	530	400	400
CBOX-40	689	624	580	400	400
CBOX-60	789	824	705	550	550

## REGTANGULAR DUCT TYPE SILENCERS



MODEL	SILENCER DIMENSION		
	(W)	(H)	(L)
CKS 30-15	300	150	400
CKS 40-20	400	200	500
CKS 50-25	500	250	600
CKS 60-30	600	300	700
CKS 60-35	600	350	800
CKS 70-40 A	700	400	800
CKS 70-40 B	700	400	1000
CKS 80-50 A	800	500	1000
CKS 80-50 B	800	500	1200
CKS 100-50 A	1000	500	1000
CKS 100-50 B	1000	500	1200

## ROUND DUCT TYPE SILENCERS



MODEL	SILENCER DIMENSION		
	INNER DIAMETER	DIAMETER	(L)
CYKS 100	100	200	600
CYKS 125	125	225	600
CYKS 150	150	250	600
CYKS 200-1	200	300	600
CYKS 200-2	200	300	900
CYKS 250-1	250	350	600
CYKS 250-2	250	350	900
CYKS 315-1	315	415	600
CYKS 315-2	315	415	900
CYKS 355	355	455	1000
CYKS 400	400	500	1000
CYKS 450	450	550	1000
CYKS 500	500	600	1000
CYKS 560	560	660	1000
CYKS 600	600	700	1000
CYKS 630	630	730	1000
CYKS 650	650	750	1000
CYKS 710	710	810	1000
CYKS 750	750	850	1000
CYKS 800	800	900	1000
CYKS 900	900	1000	1000
CYKS 1000	1000	1100	1200

## BACKWARD CURVED CIRCLE IN-OUT ACOUSTIC ISOLATED DUCT FAN



MODEL	VOLTAGE (VOLT/Hz)	CURRENT	POWER	AIR FLOW	SPEED
		(A)	(WATT)	(m3/h)	d/d
CDKF-Y-100	230/50	0,33	72	250	2540
CDKF-Y-125	230/50	0,37	72	330	2480
CDKF-Y-150	230/50	0,55	120	500	2600
CDKF-Y-160	230/50	0,55	120	600	2600
CDKF-Y-200	230/50	0,74	160	1000	2750
CDKF-Y-250	230/50	0,98	175	1250	2710
CDKF-Y-315	230/50	1,50	350	1850	2645
CDKF-Y-355	230/50	1,10	240	2500	1400
CDKF-Y-400	230/50	2,35	510	3500	1400
CDKF-Y-450	230/50	2,35	510	5000	1400

## BACKWARD CURVED ROUND IN LINE DUCT FANS



MODEL	VOLTAGE (VOLT/Hz)	CURRENT	POWER	AIR FLOW	SPEED
		(A)	(WATT)	(m3/h)	d/d
CKT-100-B	230/50	0,33	72	255	2540
CKT-125-B	230/50	0,37	72	330	2480
CKT-160-B	230/50	0,55	120	760	2600
CKT-200-B	230/50	0,74	160	1140	2750
CKT-250-B	230/50	0,98	195	1250	2710
CKT-315-B	230/50	1,50	310	1875	2800
CKT-315-C	230/50	1,70	450	2500	2800
CKT-355-B	230/50	1,70	280	2500	1370

## EXTERNAL ROTOR AXIAL DUCT FANS



MODEL	VOLTAGE (VOLT/Hz)	CURRENT	POWER	AIR FLOW	SPEED
		(A)	(WATT)	(m3/h)	d/d
CRKT-150	230/50	0,32	80	650	2800
CRKT-160	230/50	0,32	85	750	2750
CRKT-200	230/50	0,33	90	850	2770
CRKT-250	230/50	0,51	120	1800	2685
CRKT-300	230/50	0,65	160	2500	2650
CRKT-350	230/50	1,08	240	4200	2760
CRKT-350	230/50	1,50	270	5500	2800

## ROUND AXIAL ASPIRATORS WITH METAL IMPELLER



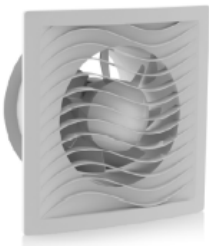
MODEL	VOLTAGE (VOLT/HZ)	CURRENT	MOTOR POWER	AIR FLOW	SPEED
		(A)	(kW)	(m3/h)	d/d
C4KY-300	230/380/50	1,15	0,37	2500	1400
C4KY-350	230/380/50	1,15	0,37	3250	1400
C4KY-400	230/380/50	1,60	0,55	4750	1400
C4KY-450	230/380/50	1,60	0,55	5500	1400
C4KY-500	230/380/50	1,60	0,55	7000	1400
C4KY-550	230/380/50	2,10	0,750	10000	1400
C4KY-600	230/380/50	2,10	0,75	11000	1400
C4KY-650	230/380/50	2,60	1,1	14500	1400
C4KY-700	230/380/50	3,50	1,5	16500	1400
C4KY-750	230/380/50	5	2,2	20500	1400
C4KY-800	230/380/50	5	2,2	24500	1400
C4KY-900	230/380/50	6,60	3	32000	1400
C4KY-1000	380/50	11,20	5,5	40000	1400
C4KY-1120	380/50	21,40	11	65000	1400
C4KY-1250	380/50	21,40	11	88000	1400

## AXIAL ASPIRATORS WITH LID AND FLANGE



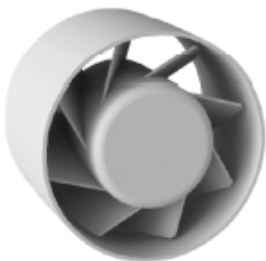
MODEL	VOLTAGE (VOLT/HZ)	POWER	AIR FLOW	SPEED
		(WATT)	(m3/h)	d/d
CPKA-160	230/50	35	350	1450
CPKA-200	230/500	40	600	1450
CPKA-250	230/50	50	800	1450

## BATHROOM-WC-WALL-CEILING FANS (SLIM-SILENT)



MODEL	VOLTAGE (VOLT/HZ)	POWER	AIR FLOW	SPEED
		(WATT)	(m3/h)	d/d
CD-BTA 100	230/50	15	95	2600
CD-BTA 120	230/500	20	185	2600
CD-BTA 150	230/50	35	285	2250
CD-BTA 200	230/50	40	360	2250

## PLASTIC BODY DUCT TYPE AXIAL FANS



MODEL	VOLTAGE (VOLT/HZ)	POWER	AIR FLOW	SPEED
		(WATT)	(m3/h)	d/d
CAPKT-100	230/50	15	95	2600
CAPKT-120	230/500	20	190	2600
CAPKT-150	230/50	35	305	2250
CAPKT-200	230/50	40	370	2250





confidence  
air



Confidenceair İklimlendirme ve Filtrasyon Sistemleri

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