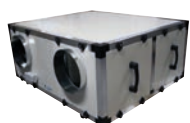


HEAT RECOVERY UNITS

www.casals.com



CEPHIRUS-2
64%



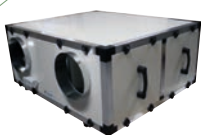
ARUMAK LP
78%



ARUMAK
79%



CIRKEDO ECC
84%



ABRENSA EEC
77%



KOXA
70%



MAKNA EEC
85%



ARUMAK LP EEC
79%

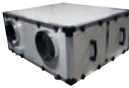
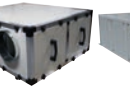


ARUMAK EEC
80%



DOMEX EEC
92%

SELECTION CHART

	AC	AC	AC	AC	EEC	EEC	EEC	EEC	EEC	EEC
										
	CEPHIRUS-2	ARUMAK LP	ARUMAK	KOXA	ABRENSA EEC	ARUMAK LP EEC	ARUMAK EEC	DOMEX EEC	MAKNA EEC	CIRKEDO EEC
ErP 2018										
EUROVENT (exchanger)										
EXCHANGER										
IMPELLER	Forward	Forward	Forward	Backward	Forward	Forward	Forward	Backward	Backward	Backward
MOTOR										
AIRFLOW (m³/h)	600-7000	500-4200	430-3700	8000-14000	600-6700	400-4000	430-2600	1000-5400	8000-13000	1200-8000
CONFIGURATION										
WATER/ELECTRICAL COIL	-	-	BA / BE 	-	-	-	BA / BE 	BA / BE 	BA / BE 	BA / BE 
CONTROL	CTRL-MAX	CTRL-F CTRL-DPH	CTRL-DPH CTRL MAX²	CTRL-MAX	CTRL-MAX	CTRL-F CTRL-DPH	CTRL-DPH	CTRL-MAX	CTRL DPH, CTRL MAX²	CTRL DPH, CTRL MAX²
BY PASS	-	Partial	Total	-	Total	Partial	Total	Total	Total	Total
FILTERS	F7/F7 F9/F9	F7/F7 F7+F9/F7	F7/F7 F7+F9/F7	F7/F7	F7/F7	F7/F7 F7+F9/F7	F7/F7 F7+F9/F7	F7/F7 F7+F9/F7	F7/F7 F7/M5	F7/F7 F7/M5
EFFICIENCY %	64 	78 	79 	70 	77 	79 	80 	92 	85 	84 

CONTROLS FUNCTIONS

		CTRL-F	CTRL-DPH	CTRL-MAX	CTRL-MAX²
FAN ADJUSTMENT	Manual speed	✓	✓	✓	✓
	Constant airflow (CAV)		✓	✓	✓
	Variable airflow: monozone application		✓	✓	✓
	CO ₂ / HR / VOC 0-10 V external. Variable flow (VAV)		✓	✓	✓
	Management of the airflow by detection of presence		✓	✓	✓
	Constant pressure: Multizone application (COP)		✓	✓	✓
	Night management		✓	✓	✓
REGULATION OF THE TEMPERATURE	Regulation on blowing / recovery temperature		✓	✓	✓
	Regulation on ambient temperature		✓	✓	✓
	Regulation of the electric coil/ hot water coil		✓	✓	✓
	Possibility to manage 2 coils simultaneously for the dehumidification function				✓
HEAT RECOVERY	By-pass management (free cooling/ free heating)	✓	✓	✓	✓
FILTERS	Indication of filter clogging	✓	✓	✓	✓
SECURITY OF THE UNIT	Post-ventilation(machine equipped with electric coil)		✓	✓	✓
	Thermal protection of fans		✓	✓	✓
	Thermal protection of electric batteries		✓	✓	✓
	Frost protection water bobbin		✓		✓
	Exchanger with frost protection		✓	✓	✓
	Energy recovery in VMC in ERP 2018		✓	✓	✓
	Forcing dehumidification function (under request)				✓
	Remote status messages: active dehumidification function (under request)				✓
PROGRAMMING	Day / night and weekend		✓	✓	✓
	Automatic summer / winter change			✓	✓
	Modulating bypass management				✓
	Automatic prevention of exchanger cooling through bypass regulation				✓
COMMUNICATION	Modbus RTU - RS 485			✓	✓
	Remote display and/or Modbus protocol (under request)-100 meters			✓	
TEMPERATURE INFORMATION	Outside/interior temperature		✓	✓	✓