

# AIR-COOLED CHILLERS



APPLIED SYSTEMS

R-407C

www.daikin.eu





#### **ABOUT DAIKIN**

Daikin has a worldwide reputation based on over 80 years' experience in the successful manufacture of high quality air conditioning equipment for industrial, commercial and residential use

Daikin Europe N.V.

### LARGER OPERATION RANGE

The EWAP-AJYNN is available in 2 different versions with cooling capacities ranging from 790 to 1729kW. The units are ideal for use in severe weather conditions and over a wide operation range. This major benefit results from the incorporation of an auto adaptive control system with the following functionality:

- > Head pressure setback for high ambient operation: on hot days, when cooling is most needed, Daikin chillers will stay on line by modulating the capacity control in function of the high pressure.
- > Optional: Head pressure control (OPFS and OPLA): fan control for low ambient down to -18°C

	Application	Sizes	Capacity range	EERavg	Noise level
Std	Standard efficiency	12	790-1650kW	2.3	101-104dBA
/A	High efficiency	18	854-1729kW	2.6	102-105dBA

Following integrated options are available on request: Hydronic: > OPSP – Single water circulation pump

> OPTP - Twin water circulation pump

OPHP – High single pumpOPHT – High twin pump

Heat Recovery: > OPPR – Partial recovery

> OPTR – Total recovery



### LARGE FLEXIBILITY

In many applications there often exists a simultaneous cooling and heating demand requirement alongside one another. To benefit from this Daikin offers the full range of R-407C EWAP800-C18AJYNN(A) chillers with the option of heat recovery. This option further increases the application flexibility and extends possibilities in the hotel and leisure industry as well as the industrial and process sectors.

By energetically recovering useful heat from the cooling-cycle that would otherwise be rejected to the outside, extremely high COPs can be realised in heat recovery mode. The heat recovery unit aims to achieve an optimum balance between cooling and heat recovery to maximize the unit efficiency and offer savings in hot water production.

#### Noise

Standard units and High efficiency units can be fitted with Option Reduced Noise (OPRN). OPRN includes lower speed condenser fans and flexible discharge pipes to reduce vibration and further minimise structural noise.

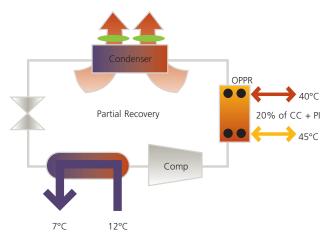
Both ranges can be fitted with Option Low Noise (OPLN). OPLN includes lower speed condenser fans, suction and discharge muffler and highly absorbent sound proof cabinets around the compressors

## Heat recovery

Depending on the heating requirement either partial heat recovery (OPPR) or as a condenser full heat recovery (OPTR) may be selected.

#### OPPR - Partial recovery

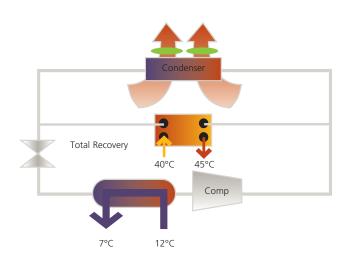
A stainless steel brazed plate heat exchanger is mounted in series between the compressor and air-cooled condenser as a desuperheater. The sensible heat from the hot discharge gas will be recovered, while the latent heat exchange will occur in the air-cooled condenser. The units efficiency is maintained as condensing pressure can be reduced due to air-cooled condenser becoming oversized.



Partial heat recovery  $\pm 35\%$  of CC + Pl

#### OPTR – Total recovery

A shell & tube heat exchanger is mounted in parallel with the air-cooled condenser for full heat recovery of both sensible and latent heat. Hot water temperatures up to 55°C can be achieved.



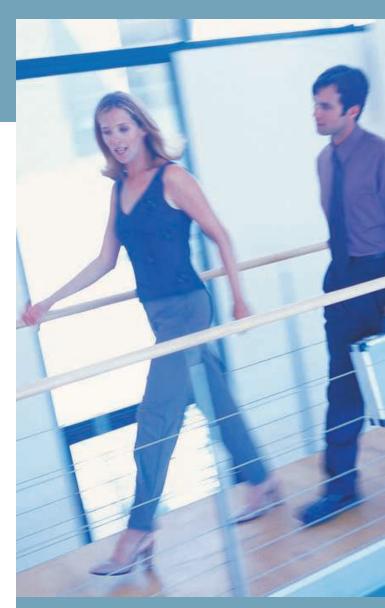


# SINGLE SCREW COMPRESSOR

The new large Daikin chillers are fitted with a single screw compressor with stepless capacity control. The capacity control enables the requierements to be closely matched by modulating the sliding valve position according to the chilled water control condition. Capacity control is infinitely variable between 12.5 and 100% on dual circuit units.

#### Main advantages:

- > Better part load efficiency (ESEER)
- > More stable chilled water temperature
- > Closer control tolerance









#### **HEAT EXCHANGER**

#### Condenser

- Constructed from specially designed header distribution pipes, combined with internally grooved Hi-X tubing and Epoxy coated fins
- Standard anti-corrosion treated to better withstand the effects of the external environment
- Optional: Condenser protection grilles (OPCG) are available throughout the whole range

## Shell & tube evaporator

- Special high efficiency tubes with grooves on the inside
- Special header distribution system and design of water system results in high efficiency and reduced heat transfer surface
- Compact dimensions and lower weight result in a smaller refrigerant volume
- > Fitted standard with evaporator heater tape

#### **ELECTRONIC CONTROL**

- Advanced pCO<sup>2</sup> control
- Detailed information on and accurate control of all functional parameters by easy menu scrolling
- > Chilled water and brine temperatures down to -8°C on standard unit (to be set up by a certified engineer)
- > Changeable digital input/output such as remote on/off, dual setpoint and capacity limit
- > Lead lag function is standard
- Standard equipped with night setback and peak load limitation
- Remote DDC (EKRUPCJ) can be installed up to 1.000m from the unit

### Open Network Integration

Daikin has released a gateway for connection to BACnet. LonWorks and Modbus networks equipment and building control systems. BACnet. LonWorks and Modbus networks are recognised worldwide as the de facto standard within the building controls industry. BACnet, LonWorks and Modbus data communication protocols make it possible to control access, energy management, fire/life/safety, HVAC and lighting etc.

Simultaneous operation of up to 5 chillers is optional through EKCSCII sequencing panel. This function enables a Daikin 9MW chiller plant to be operated via a single controller.

# **SPECIFICATIONS**

STANDARD EFFICIENCY UNIT			EWAP800AJYNN	EWAP900AJYNN	EWAP950AJYNN	EWAPC10AJYNN	EWAPC11AJYNN			
Nominal capacity *	cooling	kW	790	875	944	1026	1092			
Capacity steps *		%			Stepless 12.5-100					
Nominal input	cooling	kW	340	373	405	442	476			
EER			2.32	2.34	2.33	2.32	2.29			
ESEER		2.87	2.90	2.89	2.88	2.84				
Casing	colour				RAL7032					
Dimensions (HxWxD)		mm	2520x6210x2230	2520x71	10x2230	2520x80	10x2230			
Machine weight		kg	5165	5425	5555	5795	5905			
	type	, -			Shell and tube					
Water heat exchanger	minimum water volume in the system	1	278	271	271	256	256			
Nominal water pressure drop	heat exchanger cooling	kPa	66	53	61	46	52			
· ·	type				Helical					
	nominal air flow	m³/min	3978	4314	4644	4974	5304			
Fan	quantity		12	13	14	15	16			
	speed	rpm	860	860	860	860	860			
	motor output	W	2000	2000	2000	2000	2000			
	type			Semi-hei	metic single screw co	mpressor				
Compressor	quantitiy		2	2	2	2	2			
	speed	rpm	2950	2950	2950	2950	2950			
Sound power	cooling	dBA	101	102	102	103	103			
	refrigerant type									
B. 61	refrigerant charge	kg	120	130	140	150	160			
Refrigerant circuit	no of circuits	, 5	2	2	2	2	2			
	refrigerant control				Electronic expansion valve					
Power supply			400V/50Hz/3~							
HIGH EFFICIENCY UNIT (/A)										
THOSE ETTICIENCE ONTE (/A)			EWAP850AJYNN/A	EWAP900AJYNN/A	EWAP950AJYNN/A	EWAPC10AJYNN/A	EWAPC11AJYNN/A			
	cooling	kW								
Nominal capacity *	cooling	kW	854	954	1028	EWAPC10AJYNN/A 1124	EWAPC11AJYNN/A 1196			
Nominal capacity * Capacity steps *		%	854	954	1028 Stepless 12.5-100	1124	1196			
Nominal capacity * Capacity steps * Nominal input	cooling		854 319	954 354	1028 Stepless 12.5-100 386	1124	1196 458			
Nominal capacity * Capacity steps * Nominal input EER		%	854 319 2.67	954 354 2.69	1028 Stepless 12.5-100 386 2.66	1124 424 2.65	1196 458 2.61			
Nominal capacity * Capacity steps * Nominal input EER ESEER	cooling	%	854 319	954 354	1028 Stepless 12.5-100 386 2.66 3.21	1124	1196 458			
Nominal capacity * Capacity steps * Nominal input EER ESEER Casing		% kW	319 2.67 3.20	954 354 2.69 3.24	1028 Stepless 12.5-100 386 2.66	1124 424 2.65 3.21	1196 458 2.61			
Nominal capacity * Capacity steps * Nominal input EER ESEER Casing Dimensions (HxWxD)	cooling	% kW	319 2.67 3.20 2520x8010x2230	954 354 2.69 3.24 2520x8910x2230	1028 Stepless 12.5-100 386 2.66 3.21 RAL7032	1124 424 2.65 3.21 2520x9810x2230	1196 458 2.61 3.17			
Nominal capacity * Capacity steps * Nominal input EER ESEER Casing Dimensions (HxWxD) Machine weight	cooling	% kW	319 2.67 3.20	954 354 2.69 3.24	1028 Stepless 12.5-100 386 2.66 3.21 RAL7032	1124 424 2.65 3.21	1196 458 2.61			
Nominal capacity * Capacity steps * Nominal input EER ESEER Casing Dimensions (HxWxD)	cooling	% kW	854 319 2.67 3.20 2520x8010x2230 5900	954 354 2.69 3.24 2520x8910x2230 6170	1028 Stepless 12.5-100 386 2.66 3.21 RAL7032 6290 Shell and tube	1124 424 2.65 3.21 2520x9810x2230 6525	1196 458 2.61 3.17 6645			
Nominal capacity * Capacity steps * Nominal input EER ESEER Casing Dimensions (HxWxD) Machine weight Water heat exchanger	cooling  colour  type minimum water volume in the system	% kW mm kg	854 319 2.67 3.20 2520x8010x2230 5900	954 354 2.69 3.24 2520x8910x2230 6170	1028 Stepless 12.5-100 386 2.66 3.21 RAL7032 6290 Shell and tube 256	1124 424 2.65 3.21 2520x9810x2230 6525	1196 458 2.61 3.17 6645			
Nominal capacity * Capacity steps * Nominal input EER ESEER Casing Dimensions (HxWxD) Machine weight	cooling  colour  type minimum water volume in the system heat exchanger cooling	% kW mm kg	854 319 2.67 3.20 2520x8010x2230 5900	954 354 2.69 3.24 2520x8910x2230 6170	1028 Stepless 12.5-100 386 2.66 3.21 RAL7032 6290 Shell and tube 256 46	1124 424 2.65 3.21 2520x9810x2230 6525	1196 458 2.61 3.17 6645			
Nominal capacity * Capacity steps * Nominal input EER ESEER Casing Dimensions (HxWxD) Machine weight Water heat exchanger	cooling  colour  type minimum water volume in the system heat exchanger cooling type	% kW mm kg	854 319 2.67 3.20 2520x8010x2230 5900 271 51	954 354 2.69 3.24 2520x8910x2230 6170 256 41	1028 Stepless 12.5-100 386 2.66 3.21 RAL7032 6290 Shell and tube 256 46 Helical	1124 424 2.65 3.21 2520x9810x2230 6525 270 76	1196 458 2.61 3.17 6645 270 85			
Nominal capacity * Capacity steps * Nominal input EER ESEER Casing Dimensions (HxWxD) Machine weight Water heat exchanger Nominal water pressure drop	cooling  colour  type minimum water volume in the system heat exchanger cooling type nominal air flow	% kW mm kg	854 319 2.67 3.20 2520x8010x2230 5900 271 51	954 354 2.69 3.24 2520x8910x2230 6170 256 41	1028 Stepless 12.5-100 386 2.66 3.21 RAL7032 6290 Shell and tube 256 46 Helical 5970	1124 424 2.65 3.21 2520x9810x2230 6525 270 76 6300	1196 458 2.61 3.17 6645 270 85			
Nominal capacity * Capacity steps * Nominal input EER ESEER Casing Dimensions (HxWxD) Machine weight Water heat exchanger	cooling  colour  type minimum water volume in the system heat exchanger cooling type nominal air flow quantity	%   kW   mm   kg	854  319 2.67 3.20  2520x8010x2230 5900  271 51  5310 16	954  354 2.69 3.24  2520x8910x2230 6170  256 41  5640 17	1028 Stepless 12.5-100 386 2.66 3.21 RAL7032 6290 Shell and tube 256 46 Helical 5970 18	1124 424 2.65 3.21 2520x9810x2230 6525 270 76 6300 19	1196 458 2.61 3.17 6645 270 85 6636 20			
Nominal capacity * Capacity steps * Nominal input EER ESEER Casing Dimensions (HxWxD) Machine weight Water heat exchanger Nominal water pressure drop	cooling  type minimum water volume in the system heat exchanger cooling type nominal air flow quantity speed	%   kW     mm   kg	854  319 2.67 3.20  2520x8010x2230 5900  271 51  5310 16 860	954  354 2.69 3.24  2520x8910x2230 6170  256 41  5640 17 860	1028 Stepless 12.5-100 386 2.66 3.21 RAL7032 6290 Shell and tube 256 46 Helical 5970 18 860	1124 424 2.65 3.21 2520x9810x2230 6525 270 76 6300 19 860	1196 458 2.61 3.17 6645 270 85 6636 20 860			
Nominal capacity * Capacity steps * Nominal input EER ESEER Casing Dimensions (HxWxD) Machine weight Water heat exchanger Nominal water pressure drop	cooling  type minimum water volume in the system heat exchanger cooling type nominal air flow quantity speed motor output	%   kW   mm   kg	854  319 2.67 3.20  2520x8010x2230 5900  271 51  5310 16	954  354 2.69 3.24  2520x8910x2230 6170  256 41  5640 17 860 2000	1028 Stepless 12.5-100 386 2.66 3.21 RAL7032 6290 Shell and tube 256 46 Helical 5970 18 860 2000	1124  424 2.65 3.21  2520x9810x2230 6525  270 76  6300 19 860 2000	1196 458 2.61 3.17 6645 270 85 6636 20			
Nominal capacity * Capacity steps * Nominal input EER ESEER Casing Dimensions (HxWxD) Machine weight Water heat exchanger Nominal water pressure drop Fan	cooling  type minimum water volume in the system heat exchanger cooling type nominal air flow quantity speed motor output type	%   kW     mm   kg	854  319 2.67 3.20  2520x8010x2230 5900  271 51  5310 16 860 2000	954  354 2.69 3.24  2520x8910x2230 6170  256 41  5640 17 860 2000 Semi-hei	1028 Stepless 12.5-100 386 2.66 3.21 RAL7032 6290 Shell and tube 256 46 Helical 5970 18 860 2000 metic single screw co	1124  424 2.65 3.21  2520x9810x2230 6525  270 76  6300 19 860 2000  mpressor	1196 458 2.61 3.17 6645 270 85 6636 20 860 2000			
Nominal capacity * Capacity steps * Nominal input EER ESEER Casing Dimensions (HxWxD) Machine weight Water heat exchanger Nominal water pressure drop	cooling  type minimum water volume in the system heat exchanger cooling type nominal air flow quantity speed motor output type quantity	%   kW     mm   kg	854  319 2.67 3.20  2520x8010x2230 5900  271 51  5310 16 860 2000	954  354 2.69 3.24  2520x8910x2230 6170  256 41  5640 17 860 2000 Semi-her 2	1028 Stepless 12.5-100 386 2.66 3.21 RAL7032 6290 Shell and tube 256 46 Helical 5970 18 860 2000 rmetic single screw co	1124  424 2.65 3.21  2520x9810x2230 6525  270 76  6300 19 860 2000 mpressor	1196 458 2.61 3.17 6645 270 85 6636 20 860 2000			
Nominal capacity * Capacity steps * Nominal input EER ESEER Casing Dimensions (HxWxD) Machine weight Water heat exchanger Nominal water pressure drop  Fan  Compressor	type minimum water volume in the system heat exchanger cooling type nominal air flow quantity speed motor output type quantity speed	%   kW   kW   mm   kg	854  319 2.67 3.20  2520x8010x2230 5900  271 51  5310 16 860 2000  2 2950	954  354 2.69 3.24  2520x8910x2230 6170  256 41  5640 17 860 2000 Semi-her 2 2950	1028 Stepless 12.5-100 386 2.66 3.21 RAL7032 6290 Shell and tube 256 46 Helical 5970 18 860 2000 metic single screw co	1124  424 2.65 3.21  2520x9810x2230 6525  270 76  6300 19 860 2000 mpressor 2 2950	1196 458 2.61 3.17 6645 270 85 6636 20 860 2000			
Nominal capacity * Capacity steps * Nominal input EER ESEER Casing Dimensions (HxWxD) Machine weight Water heat exchanger Nominal water pressure drop Fan	cooling  colour  type minimum water volume in the system heat exchanger cooling type nominal air flow quantity speed motor output type quantity speed cooling	%   kW     mm   kg	854  319 2.67 3.20  2520x8010x2230 5900  271 51  5310 16 860 2000	954  354 2.69 3.24  2520x8910x2230 6170  256 41  5640 17 860 2000 Semi-her 2	1028 Stepless 12.5-100 386 2.66 3.21 RAL7032 6290 Shell and tube 256 46 Helical 5970 18 860 2000 metic single screw co 2 2950 103	1124  424 2.65 3.21  2520x9810x2230 6525  270 76  6300 19 860 2000 mpressor	1196 458 2.61 3.17 6645 270 85 6636 20 860 2000			
Nominal capacity * Capacity steps * Nominal input EER ESEER Casing Dimensions (HxWxD) Machine weight Water heat exchanger Nominal water pressure drop  Fan  Compressor	cooling  type minimum water volume in the system heat exchanger cooling type nominal air flow quantity speed motor output type quantity speed cooling refrigerant type	%   kW   kW   mm   kg   kPa   m³/min   rpm   W   rpm   dBA	854  319 2.67 3.20  2520x8010x2230 5900  271 51  5310 16 860 2000  2 2950 102	954  354 2.69 3.24  2520x8910x2230 6170  256 41  5640 17 860 2000 Semi-her 2 2950 102	1028 Stepless 12.5-100 386 2.66 3.21 RAL7032 6290 Shell and tube 256 46 Helical 5970 18 860 2000 metic single screw co 2 2950 103 R-407C	1124  424 2.65 3.21  2520x9810x2230 6525  270 76  6300 19 860 2000  mpressor 2 2950 103	1196  458 2.61 3.17  6645  270 85  6636 20 860 2000  2 2950 103			
Nominal capacity * Capacity steps * Nominal input EER ESEER Casing Dimensions (HxWxD) Machine weight Water heat exchanger Nominal water pressure drop  Fan  Compressor	cooling  type minimum water volume in the system heat exchanger cooling type nominal air flow quantity speed motor output type quantity speed cooling refrigerant type refrigerant charge	%   kW   kW   mm   kg	854  319 2.67 3.20  2520x8010x2230 5900  271 51  5310 16 860 2000  2 2950 102	954  354 2.69 3.24  2520x8910x2230 6170  256 41  5640 17 860 2000 Semi-hei 2 2950 102	1028 Stepless 12.5-100 386 2.66 3.21 RAL7032 6290 Shell and tube 256 46 Helical 5970 18 860 2000 rmetic single screw co 2 2950 103 R-407C 180	1124  424 2.65 3.21  2520x9810x2230 6525  270 76  6300 19 860 2000 mpressor 2 2950 103	1196  458 2.61 3.17  6645  270 85  6636 20 860 2000  2 2950 103			
Nominal capacity * Capacity steps * Nominal input EER ESEER Casing Dimensions (HxWxD) Machine weight Water heat exchanger Nominal water pressure drop  Fan  Compressor Sound power	type minimum water volume in the system heat exchanger cooling type nominal air flow quantity speed motor output type quantity speed cooling refrigerant type refrigerant charge no of circuits	%   kW   kW   mm   kg   kPa   m³/min   rpm   W   rpm   dBA	854  319 2.67 3.20  2520x8010x2230 5900  271 51  5310 16 860 2000  2 2950 102	954  354 2.69 3.24  2520x8910x2230 6170  256 41  5640 17 860 2000 Semi-hei 2 2950 102	1028 Stepless 12.5-100 386 2.66 3.21 RAL7032 6290 Shell and tube 256 46 Helical 5970 18 860 2000 rmetic single screw co 2 2950 103 R-407C 180 2	1124  424 2.65 3.21  2520x9810x2230 6525  270 76  6300 19 860 2000 mpressor 2 2950 103	1196  458 2.61 3.17  6645  270 85  6636 20 860 2000  2 2950 103			
Nominal capacity * Capacity steps * Nominal input EER ESEER Casing Dimensions (HxWxD) Machine weight Water heat exchanger Nominal water pressure drop  Fan  Compressor Sound power	cooling  type minimum water volume in the system heat exchanger cooling type nominal air flow quantity speed motor output type quantity speed cooling refrigerant type refrigerant charge	%   kW   kW   mm   kg   kPa   m³/min   rpm   W   rpm   dBA	854  319 2.67 3.20  2520x8010x2230 5900  271 51  5310 16 860 2000  2 2950 102	954  354 2.69 3.24  2520x8910x2230 6170  256 41  5640 17 860 2000 Semi-hei 2 2950 102	1028 Stepless 12.5-100 386 2.66 3.21 RAL7032 6290 Shell and tube 256 46 Helical 5970 18 860 2000 rmetic single screw co 2 2950 103 R-407C 180	1124  424 2.65 3.21  2520x9810x2230 6525  270 76  6300 19 860 2000 mpressor 2 2950 103	1196  458 2.61 3.17  6645  270 85  6636 20 860 2000  2 2950 103			

<sup>\*</sup> Nominal cooling capacity and power input are based on 12/7 °C entering/leaving water temperature and 35 °C ambient temperature. Power input is for the whole unit.

# **OPTIONS & ACCESSORIES**

OPTIONS											
			Integrated	Hydronics	5	Noise & HP Control					
	Reference		Twin pump	High ESP pump	High ESP twin pump	Reduced Noise	Low noise	Fan Silent	Low Ambient	High ESP fans	
		OPSP	OPTP	OPHP	OPHT	OPRN	OPLN	OPFS	OPLA	OPHF	
FWAP-AJYNN	800-900-950-C10-C11-C12-C13-C14	•	•			•	•	•	•	•(5)	
EVVAF-AJTIVIN	C15-C16-C17-C18					•	•	•	•	•(5)	
EWAP-AJYNN/A	260-280-320-340-360-380-420 500-550-600-650	•	•	•	•		•	•	•		

<sup>(4)</sup> High pressure side gauge(5) Not available with Option OPLN - OPRN

EWAPC12AJYNN	EWAPC13AJYNN	EWAPC14AJYNN	EWAPC15AJYNN	EWAPC16AJYNN	EWAPC17AJYNN	EWAPC18AJYNN	
1158	1284	1354	1426	1516	1583	1650	
			Stepless 8.3-100				
507	546	578	609	609 647 682		717	
2.28	2.35	2.34	2.34	2.34	2.32	2.30	
2.90	2.98	2.98	2.97	2.98	2.95	2.93	
			RAL7032				
2520x9170x2230	2520x10	070x2230	2520x10	970x2230	2520x11	870x2230	
7990	8305	8435	8890	8905	9155	9265	
			Shell and tube				
263	432	432	432	419	419	419	
75	52	57	62	34	37	40	
			Helical				
5970	6300	6636	7440	7296	7632	7962	
18	19	20	22	22	23	24	
860	860	860	860	860	860	860	
2000	2000	2000	2000	2000	2000	2000	
		Semi	-hermetic single screw comp	ressor			
3	3	3	3	3	3	3	
2950	2950	2950	2950	2950	2950	2950	
103	104	104	104	104	104	104	
			R-407C				
180	190	200	210	220	230	240	
3	3	3	3	3	3	3	
			Electronic expansion valve				
			400V/50Hz/3~				
EWAPC12AJYNN/A	EWAPC13AJYNN/A	EWAPC14AJYNN/A	EWAPC15AJYNN/A	EWAPC16AJYNN/A	EWAPC17AJYNN/A	EWAPC18AJYNN/A	

EWAPC12AJYNN/A	EWAPC13AJYNN/A	EWAPC14AJYNN/A	EWAPC15AJYNN/A	EWAPC16AJYNN/A	EWAPC17AJYNN/A	EWAPC18AJYNN/A					
1253	1357	1427	1497	1595	1595 1644						
	Stepless 8.3-100										
476	512	542	575	611	654	678					
2.63	2.65	2.63	2.60	2.61	2.51	2.55					
3.24	3.28	3.26	3.22	3.24	3.12	3.18					
			RAL7032								
2520x11870x2230	2520x12770x2230		2520x13670x2230		2520x14570x2230						
9050	9505	9625	10060	10075	10410	10470					
			Shell and tube								
278	432	432	432	419	419	419					
53	57	62	69	38	40	43					
			Helical								
7962	8292	8622	9468	9288	9618	9948					
24	25	26	28	28	29	30					
860	860	860	860	860	860	860					
2000	2000	2000	2000	2000	2000	2000					
		Semi-	hermetic single screw comp	ressor							
3	3	3	3	3	3	3					
2950	2950	2950	2950	2950	2950	2950					
104	104	104	105	105	105	105					
			R-407C								
240	250	260	270	280	290	300					
3	3	3	3	3	3	3					
			Electronic expansion valve								

400V/50Hz/3~

Heat Re	ecovery	LV	NE			Electrica	I			Refri	gerant			Cond	lenser		Misc
Total Heat Recovery	Partial Heat Recovery	High Glyco	Low Glycol	Evaporator heater	Main switch	Soft starter	Power factor 0,9	A/V meter	Electronic Expansion Valve	relief	Suction stop valve	Gauges	Coil guards	Blank Cu/Al coils	Cu/ Sn coils	Cu/ Cu coils	Electronic Expansion Valve
OPTR	OPPR	OPZH	OPZL	OPZH	OP52	OPSS	OPPF	OP57	OPEX	OP03	OP12	OPGA	OPCG	OPAL	OPSN	OPCU	OPSVM
•	•	STD	STD	STD	STD	•	•		•	•	•	•(4)	•	•	•	•	•
•	•	STD	STD	STD	STD		•			•	•	•(4)	•	•	•	•	•
•	•	STD	STD	STD	STD		•		•	•	STD	•(4)	•	•	•	•	•
•	•	STD	STD	STD	STD	•	•		.	•	STD	•(4)	•	•	•	•	•

ACCESSORIES										
	Commu	Modbus gateway Bacnet gateway		Remote u	e user interface		Buffer tanks			
Reference	EKAC200J	EKAC200J		EKBMSBNJ		EKRUPCK		EKBT500N		EKBTC10N
EWAP800-C18AJYNN	•	•		•		•		•		•
EWAP800-C18AJYNN/A	•	•		•		•		•		•
	Buffer	tanks	nks Sequ		encing Panel Plant \		t Visor		dem	Converter RS485 to RS232
Reference	EKBT500C	EKBT500C		EKCSCII	EKCSCII		ЕКМОРЕМ	EKGSMOD		EKCON
EWAP800-C18AJYNN	•	•		•	•		•		•	•

## **ENVIRONMENTAL AWARENESS**

## Air Conditioning and the Environment

Air conditioning systems provide a significant level of indoor comfort, making possible optimum working and living conditions in the most extreme climates. In recent years, motivated by a global awareness of the need to reduce the burdens on the environment, some manufacturers including Daikin have invested enormous efforts in limiting the negative effects associated with the production and the operation of air conditioners. Hence, models with energy saving features and improved eco-production techniques have seen the light of day, making a significant contribution to limiting the impact on the environment.



Daikin's unique position as a manufacturer of air conditioning equipment, compressors and refrigerants has led to its close involvement in environmental issues

EWAP800-C18AJYNN/A

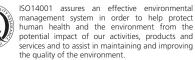
For several years Daikin has had the intention to become a leader in the provision of products that have limited impact on the environment.

This challenge demands the eco design and development of a wide range of products and an energy management system, resulting in energy conservation and a reduction of waste



Daikin Europe N.V. is approved by LRQA for its Quality Management System in accordance with the ISO9001 standard. ISO9001 pertains to quality assurance regarding design, development, manufacturing as well as to services related to the product.









Daikin Europe N.V. participates in the Eurovent Certification Programme for Air Conditioners (AC). Liquid Chilling Packages (LCP) and Fan Coil Units (FC); the certified data of certified models are listed in the Eurovent Directory. Certification is valid for air cooled models <600kW and water cooled models <1500kW.

The present leaflet is drawn up by way of information only and does not constitute an offer binding upon Daikin Europe N.V. Daikin Europe N.V. has compiled the content of this leaflet to the best of its knowledge. No express or implied warranty is given for the completeness, accuracy, reliability or fitness for particular purpose of its content and the products and services presented therein. Specifications are subject to change without prior notice. Daikin Europe N.V. explicitly rejects any liability for any direct or indirect damage, in the broadest sense, arising from or related to the use and/or interpretation of this leaflet. All content is copyrighted by Daikin Europe N.V.

Daikin products are distributed by:



#### DAIKIN EUROPE N.V.

Naamloze Vennootschap Zandvoordestraat 300 B-8400 Oostende, Belgium www.daikin.eu BTW: BE 0412 120 336 **RPR** Oostende

EPCEN08-418 • 250 • 01/08 • Copyright © Daikin
The present publication supersedes EPLE05-494.
Printed on non-chlorinated paper. Prepared by La Movida, Belgium XXXX
Responsible Editor: Daikin Europe N.V., Zandvoordestraat 300, B-8400 Oostende