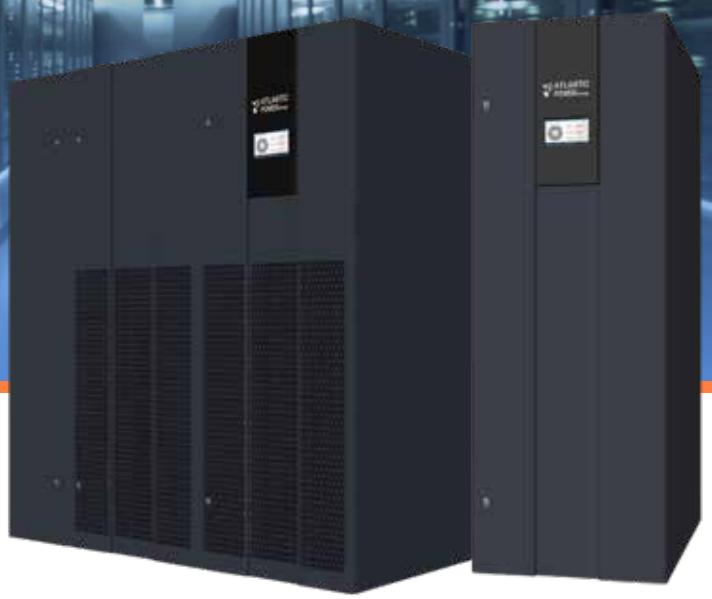
Room Cooling System
ATP Air Series

Air-cooled: 5.5~122.9kW

Water Cooled: 32.5~122.9kW

Chilled Water: 38.2 ~ 137.6 kW

ATLANTIC POWERenergy



Overview

DX Direct Expansion ATP Series Precision Cooling Systems:

The remote condenser air-cooled, dry-cooled and chilled water cooled series are available in a wide range of cooling powers in Up-Flow and Down-Flow air supply modes.

A large are of high-efficiency heat exchanger

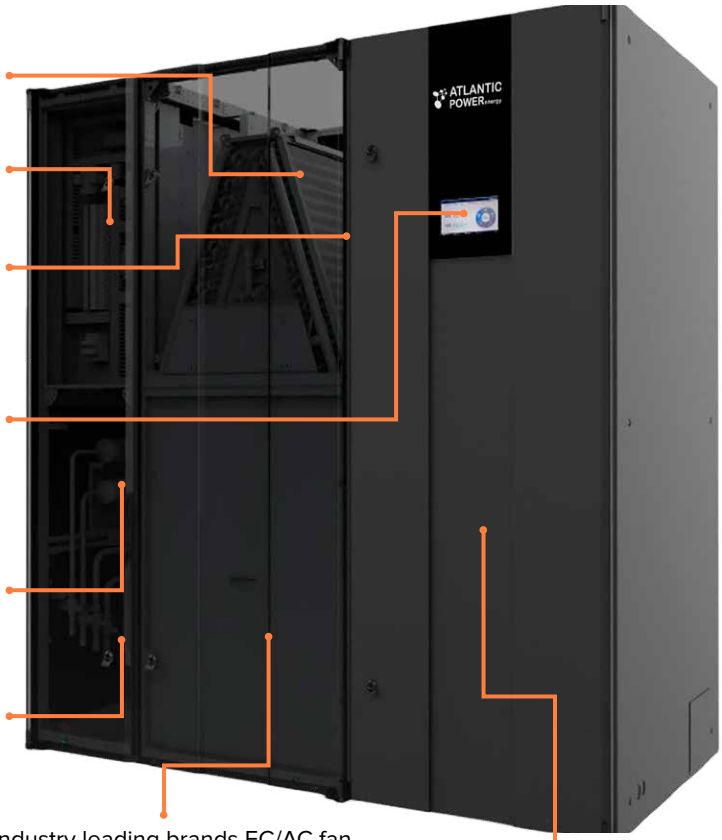
Electrode humidifier

A large area air filtration system closed to heat exchanger

Intelligent industry-leading controller with color touch screen. Supports BMS integration, teamwork and master/slave working policy

Industry-leading brands thermostatic expansion valve/ electronic expansion valve

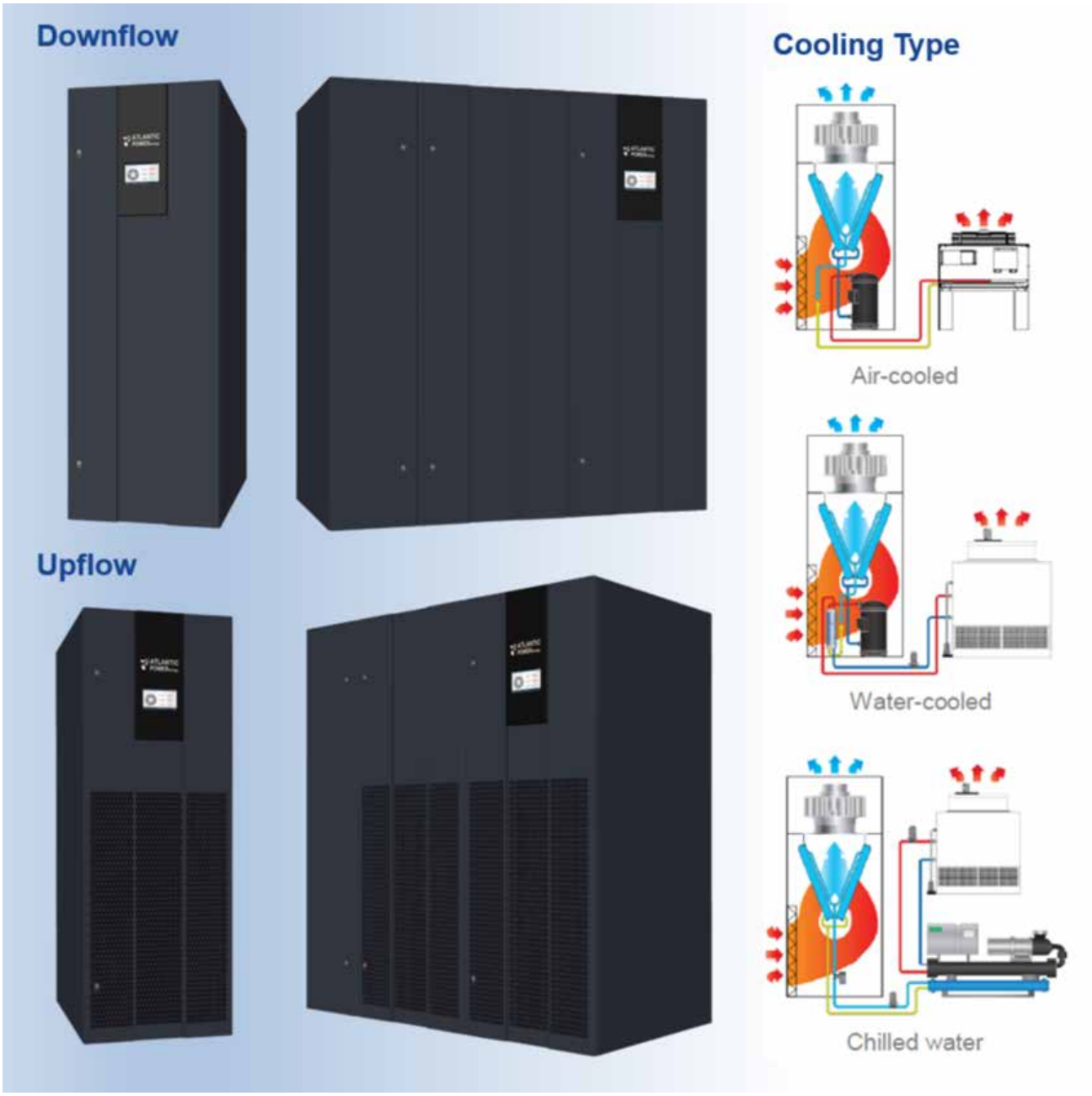
High reliable scroll compressor



Industry leading brands EC/AC fan

Modular design of cabinet can easily achieve secondary disassembly

ATP Air – Product Configuration



Product Configuration

The units are designed with components from the best brands to achieve a top-notch level of reliability and efficiency. Maintenance tasks are facilitated by the front access.

EC Fan

The EC (Electronic Control) radial fan precisely varies airflow based on heat load while saving energy by adjusting fan speed.

Smart Controller

The intelligent controller automatically monitors and adjusts component outputs in optimized balance. With SNMP and Modbus monitoring options.

Electronic Expansion Valve

EEV (Electronic Expansion Valve) accurately maintains refrigerant flow efficiently, reducing compressor/pump energy consumption.

Water Valve

The ball valve is easily installed with a single bolt. The actuator features a manual button for manual operation and has automatic full-stroke overload protection, eliminating the need for limit switches.

Reliable compressor

The inverter scroll compressor adjusts the capacity of the entire system according to the heat load requirement, saving energy during partial load application.

Operates up to 55°C at room temperature with the R134a refrigerant option.

W-shaped evaporator

Optimized uniform airflow distribution and improved energy efficiency performance.

Modular design, easy expansion. Air filters directly covering the exchangers minimise wind resistance and increase efficiency.

Modular Design Cabinet

Electrostatically coated galvanized carbon steel cabinet for a tougher finish. The cooling system is designed with a modular cabinet that allows for the disassembly of modules for transport through narrow aisles or elevators. All lids are thermally insulated with metal locks.

Aires ATP – Expansión Directa DX

Technical Data						
Upflow Unit	**ATPW- 005FA**	**ATPW- 007FA**	**ATPW- 012FA**	**ATPW- 017FA**	**ATPW- 020FA**	**ATPW- 025FA**
Downflow Unit	**ATPW- 005DA**	**ATPW- 007DA**	**ATPW- 012DA**	**ATPW- 017DA**	**ATPW- 020DA**	**ATPW- 025DA**
Refrigeration capacity – kW	5.5	7.5	12.5	17.5	21.2	27.5
Sensitive capacity – kW	5.2	6.8	11.3	16.1	19.5	25.4
SHR-% (Factor)	94.5 (0.945)	90.7 (0.907)	90.4 (0.904)	92.3 (0.923)	92.2 (0.922)	92.3 (0.923)
Airflow -m3/h	2000	2250	2850	5000	6200	6700
Fan Type	AC / EC	AC / EC	AC / EC	AC / EC	AC / EC	AC / EC
Heating capacity-kW	3	3	4	6	6	6
Tipo de calefacción	PTC, stainless steel. & Ceramics	PTC, stainless steel. & Ceramics	PTC, stainless steel. & Ceramics	PTC, stainless steel. & Ceramics	PTC, stainless steel. & Ceramics	PTC, stainless steel. & Ceramics
Humidification capacity - kg/h	2.5	2.5	4	4.5	4.5	5
Humidifier Type	Electrodo	Electrodo	Electrodo	Electrodo	Electrodo	Electrodo
Filter Classification	G3	G3	G3	G4	G4	G4
Weight -kg	118	128	178	300	318	338
Width -mm	550	550	650	750	750	850
Depth -mm	450	450	550	700	700	700
Height -mm	1750	1750	1850	1900	1900	1900
Power Input 1)	208-240V /50Hz|60Hz/1Ph|2Ph	208-240V /50Hz|60Hz/1Ph|2Ph	380-415V /50Hz|60Hz/3Ph	380-415V /50Hz|60Hz/3Ph	380-415V /50Hz|60Hz/3Ph	380-415V /50Hz|60Hz/3Ph
FLA-A 1) cooling	14.5	16.5	13.1	14.3	19.4	23.1
FLA-A 1) heated/hum.	28.2	30.2	19.2	23.4	28.5	32.2
Power Input 2)	-	-	200-230W/60HZ/3PH	200-230W/60HZ/3PH	200-230W/60HZ/3PH	200-230W/60HZ/3PH
FLA-A 2) Cooling	-	-	23.9	26.2	35.4	42.2
FLA -A 2) heated/hum.	-	-	35.1	42.9	52.1	58.1
Power Input 3)	-	-	460W/60Hz/3PH	460W/60Hz/3PH	460W/60Hz/3PH	460W/60Hz/3PH
FLA-A 3) Cooling	-	-	10.8	11.8	16	19.1
FLA-A 3) heated/hum.	-	-	15.8	19.3	23.5	26.6
Ref. Pipe connection –mm	12-Oct	12-Oct	16-Dec	16/16	16/16	16/22
Drain connection –mm	20	20	20	20	20	20
Water in connection	3/4 "G	3/4 "G	3/4 "G	3/4 "G	3/4 "G	3/4 "G
Single/Dual System	Simple	Simple	Simple	Simple	Simple	Simple
Cooling circuits	1	1	1	1	1	1
Coolant Type	R410A	R410A	R410A	R410A	R410A	R410A
Noise level at 2m -dBA	47.7	47.7	55.2	57	57	59.8
External Unit (Capacitor)						
Model	KSF08	KSF12	KSF18	KSF24	KSF24	KSF32
Unit Numbers	1	1	1	1	1	1
Installation (air sense)	Vertical	Vertical	Vertical	Vertical u Horizontal	Vertical u Horizontal	Vertical u Horizontal
Nominal cooling power -kW	8.6	12	18.1	24.9	24.9	31
Airflow -m3/h	6300	8500	12600	13100	13100	15800
Noise level at 2m -dBA	54.3	56.1	59.2	61.8	61.8	64

Notes:

1. Capacity based on return air conditions of 24°C / 50% relative humidity and condensing temperature of 45°C.
2. The standard ESP is 20Pa. For others, please consult our technical department for confirmation.
3. FLA of the indoor unit includes FLA of the outdoor unit and power to the outdoor unit connected from the indoor unit.
4. Standard operating temperature range of air-cooled outdoor unit: -15°C to +45°C, optional operating temperature range of components: -35 °C with low temperature kit.

Aires ATP – DX Direct Expansion

Technical Data													
Upflow Unit	**ATPW-030UA**	**ATPW-035UA**	**ATPW-040UA**	**ATPW-050UA**	**ATPW-045UA**	**ATPW-055UA**	**ATPW-065UA**	**ATPW-070UA**	**ATPW-080UA**	**ATPW-090UA**	**ATPW-100UA**	**ATPW-110UA**	**ATPW-120UA**
Downflow Unit	**ATPW-030DA**	**ATPW-035DA**	**ATPW-040DA**	**ATPW-050DA**	**ATPW-045DA**	**ATPW-055DA**	**ATPW-065DA**	**ATPW-070DA**	**ATPW-080DA**	**ATPW-090DA**	**ATPW-100DA**	**ATPW-110DA**	**ATPW-120DA**
Cooling capacity - kW	32.5	37.7	41.8	50	43.5	53.1	65.1	71.1	83.6	92.1	100.9	110.9	122.9
Sensitive capacity – kW	29.3	34	38.1	45	39.2	47.8	58.8	64	75.3	83.6	91.1	97.1	105.2
SHR-% (Factor)	90.2 -0.902	90.2 -0.902	91.1 -0.911	90 -0.9	90.1 -0.901	90.2 -0.902	90.3 -0.903	90 -0.9	90.1 -0.901	90.8 -0.908	90.2 -0.902	87.6 -0.876	85.6 -0.856
Airflow -m3/h	8325	8620	10500	12400	10500	12400	16650	17240	21000	22600	24800	26200	27100
Fan Type	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC
Heating power – kW	6	6	9	9	9	9	9	9	12	12	12	12	12
Type of heating	PTC,stainless steel & Ceramics	PTC,stainless steel & Ceramics	PTC,stainless steel & Ceramics	PTC,stainless steel & Ceramics	PTC,stainless steel & Ceramics	PTC,stainless steel & Ceramics	PTC,stainless steel & Ceramics	PTC,stainless steel & Ceramics	PTC,stainless steel & Ceramics	PTC,stainless steel & Ceramics	PTC,stainless steel & Ceramics	PTC,stainless steel & Ceramics	PTC,stainless steel & Ceramics
Capacity hum. -kg/h	8	8	10	10	10	10	10	10	12	12	12	12	12
Humidifier Type	Electrode	Electrode	Electrode	Electrode	Electrode	Electrode	Electrode	Electrode	Electrode	Electrode	Electrode	Electrode	Electrode
Filter Classification	G4	G4	G4	G4	G4	G4	G4	G4	G4	G4	G4	G4	G4
Weight -kg	433	438	468	528	478	568	688	718	788	866	888	910	980
Width -mm	1126	1126	1326	1326	1326	1326	1826	1826	2226	2226	2226	2426	2426
Depth -mm	990	990	990	990	990	990	990	990	990	990	990	990	990
Height-mm	1975	1975	1975	1975	1975	1975	1975	1975	1975	1975	1975	1975	1975
Power Input 1)	380-415V /50Hz|60Hz /3Ph	380-415V /50Hz|60Hz /3Ph	380-415V /50Hz|60Hz /3Ph	380-415V /50Hz|60Hz /3Ph	380-415V /50Hz|60Hz /3Ph	380-415V /50Hz|60Hz /3Ph	380-415V /50Hz|60Hz /3Ph	380-415V /50Hz|60Hz /3Ph	380-415V /50Hz|60Hz /3Ph	380-415V /50Hz|60Hz /3Ph	380-415V /50Hz|60Hz /3Ph	380-415V /50Hz|60Hz /3Ph	380-415V /50Hz|60Hz /3Ph
FLA -A 1)	35.5	36.3	46	49.6	48.2	53.8	66.4	67.2	83	86.6	90.2	93.8	97.2
Power Input 2)	460V /60Hz /3Ph	460V /60Hz /3Ph	460V /60Hz /3Ph	460V /60Hz /3Ph	460V /60Hz /3Ph	460V /60Hz /3Ph	460V /60Hz /3Ph	460V /60Hz /3Ph	460V /60Hz /3Ph	460V /60Hz /3Ph	460V /60Hz /3Ph	460V /60Hz /3Ph	460V /60Hz /3Ph
FLA -A 2)	29.3	30	38	41	39.8	44.5	54.9	55.5	68.6	71.5	74.5	77.4	80.3
Power Input 3)	200-230V /60Hz /3Ph	200-230V /60Hz /3Ph	200-230V /60Hz /3Ph	200-230V /60Hz /3Ph	200-230V /60Hz /3Ph	200-230V /60Hz /3Ph	200-230V /60Hz /3Ph	200-230V /60Hz /3Ph	200-230V /60Hz /3Ph	200-230V /60Hz /3Ph	200-230V /60Hz /3Ph	-	-
FLA -A 3)	64.9	66.4	84	90.6	88.1	98.3	121.3	122.8	151.7	158.2	164.8	-	-
Pipe connection – mm	16/22	16/22	16/22	16/22	16/22	16/22	16/22	16/22	16/22	16/22	16/22	16/22	16/22
Drain connection – mm	20	20	20	20	20	20	20	20	20	20	20	20	20
Water in connection	3/4 "G	3/4 "G	3/4 "G	3/4 "G	3/4 "G	3/4 "G	3/4 "G	3/4 "G	3/4 "G	3/4 "G	3/4 "G	3/4 "G	3/4 "G
Single/Dual System	Simple	Simple	Simple	Simple	Dual	Dual	Dual	Dual	Dual	Dual	Dual	Dual	Dual
Cooling circuits	1	1	1	1	2	2	2	2	2	2	2	2	2
Refrigerant	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Noise Level at 2m -dBA	63.4	63.4	64	64.5	64.5	65.2	65.7	65.7	66.3	66.3	67.4	67.4	67.4
External Unit (Capacitor)													
Model	KSF38	KSF52	KSF52	KSF62	KSF32	KSF32	KSF42	KSF52	KSF52	KSF62	KSF62	KSF70	KSF76
Unit Numbers	1	1	1	1	2	2	2	2	2	2	2	2	2
Installation (air sense)	Vertical u Horizontal	Vertical u Horizontal	Vertical u Horizontal	Vertical u Horizontal	Vertical u Horizontal	Vertical u Horizontal	Vertical u Horizontal	Vertical u Horizontal	Vertical u Horizontal	Vertical u Horizontal	Vertical u Horizontal	Vertical u Horizontal	Vertical u Horizontal
Nominal cooling power -kW each	37.8	52.4	52.4	61.7	31	31	42.5	52.4	52.4	61.7	61.7	68.9	75.4
Airflow -m3/h c/u	14800	15300	15300	18900	15800	15800	16000	15300	15300	18900	18900	20300	20300
Noise level a 2m -dBA c/u	64	65.3	65.3	66.9	64	64	64	66.3	66.3	66.9	66.9	67.8	68.1

Notes:

1. Capacity based on return air conditions of 24°C / 50% relative humidity and condensing temperature of 45°C.
2. The standard ESP is 20Pa. For other values, please consult our technical department for confirmation.
3. FLA of the indoor unit includes FLA of the outdoor unit and power to the outdoor unit connected from the indoor unit.
4. Standard operating temperature range of air-cooled outdoor unit: -15°C to +45°C, optional operating temperature range of components: -35 °C with low temperature kit.

Air ATP – Direct Expansion DX Water Cooled

Technical Data													
Upflow Unit	**ATPW-030UA**	**ATPW-035UA**	**ATPW-040UA**	**ATPW-050UA**	**ATPW-045UA**	**ATPW-055UA**	**ATPW-065UA**	**ATPW-070UA**	**ATPW-080UA**	**ATPW-090UA**	**ATPW-100UA**	**ATPW-110UA**	**ATPW-120UA**
Downflow Unit	**ATPW-030DA**	**ATPW-035DA**	**ATPW-040DA**	**ATPW-050DA**	**ATPW-045DA**	**ATPW-055DA**	**ATPW-065DA**	**ATPW-070DA**	**ATPW-080DA**	**ATPW-090DA**	**ATPW-100DA**	**ATPW-110DA**	**ATPW-120DA**
Cooling capacity - kW	32.5	37.7	41.8	50	43.5	53.1	65.1	71.1	83.6	92.1	100.9	110.9	122.9
Sensitive Capacity - kW	29.3	34	38.1	45	39.2	47.8	58.8	64	75.3	83.6	91.1	97.1	105.2
SHR-% (Factor)	90.2 (0.902)	90.2 (0.902)	91.1 (0.911)	90 (0.9)	90.1 (0.901)	90.2 (0.902)	90.3 (0.903)	90 (0.9)	90.1 (0.901)	90.8 (0.908)	90.2 (0.902)	87.6 (0.876)	85.6 (0.856)
Airflow -m3/h	8325	8620	10500	12400	10500	12400	16650	17240	21000	22600	24800	26200	27100
Fan Type	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC
Heating power - kW	6	6	9	9	9	9	9	9	12	12	12	12	12
Type of heating	PTC, acero inox. y cerámica	PTC, acero inox. y cerámica	PTC, acero inox. y cerámica	PTC, acero inox. y cerámica	PTC, acero inox. y cerámica	PTC, acero inox. y cerámica	PTC, acero inox. y cerámica	PTC, acero inox. y cerámica	PTC, acero inox. y cerámica	PTC, acero inox. y cerámica	PTC, acero inox. y cerámica	PTC, acero inox. y cerámica	PTC, acero inox. y cerámica
Capacity hum. -kg/h	8	8	10	10	10	10	10	10	12	12	12	12	12
Humidifier Type	Electrode	Electrode	Electrode	Electrode	Electrode	Electrode	Electrode	Electrode	Electrode	Electrode	Electrode	Electrode	Electrode
Filter Classification	G4	G4	G4	G4	G4	G4	G4	G4	G4	G4	G4	G4	G4
Weight -kg	433	438	468	528	478	568	688	718	788	866	888	910	980
Width -mm	1126	1126	1326	1326	1326	1326	1826	1826	2226	2226	2226	2426	2426
Depth -mm	990	990	990	990	990	990	990	990	990	990	990	990	990
Height -mm	1975	1975	1975	1975	1975	1975	1975	1975	1975	1975	1975	1975	1975
Power Input 1)	380-415V /50Hz|60Hz /3Ph	380-415V /50Hz|60Hz /3Ph	380-415V /50Hz|60Hz /3Ph	380-415V /50Hz|60Hz /3Ph	380-415V /50Hz|60Hz /3Ph	380-415V /50Hz|60Hz /3Ph	380-415V /50Hz|60Hz /3Ph	380-415V /50Hz|60Hz /3Ph	380-415V /50Hz|60Hz /3Ph	380-415V /50Hz|60Hz /3Ph	380-415V /50Hz|60Hz /3Ph	380-415V /50Hz|60Hz /3Ph	380-415V /50Hz|60Hz /3Ph
FLA -A 1)	35.5	36.3	46	49.6	48.2	53.8	66.4	67.2	83	86.6	90.2	93.8	97.2
Power Input 2)	460V /60Hz /3Ph	460V /60Hz /3Ph	460V/ 60Hz /3Ph	460V /60Hz /3Ph	460V /60Hz /3Ph	460V /60Hz /3Ph	460V /60Hz /3Ph	460V /60Hz /3Ph	460V /60Hz /3Ph	460V /60Hz /3Ph	460V /60Hz /3Ph	460V /60Hz /3Ph	460V /60Hz /3Ph
FLA -A 2)	29.3	30	38	41	39.8	44.5	54.9	55.5	68.6	71.5	74.5	77.4	80.3
Power Input 3)	200-230V /60Hz /3Ph	200-230V /60Hz /3Ph	200-230V /60Hz /3Ph	200-230V /60Hz /3Ph	200-230V /60Hz /3Ph	200-230V /60Hz /3Ph	200-230V /60Hz /3Ph	200-230V /60Hz /3Ph	200-230V /60Hz /3Ph	200-230V /60Hz /3Ph	200-230V /60Hz /3Ph	-	-
FLA -A 3)	64.9	66.4	84	90.6	88.1	98.3	121.3	122.8	151.7	158.2	164.8	-	-
Drain Connection - mm	20	20	20	20	20	20	20	20	20	20	20	20	20
Steaming Water Connection	3/4 "G	3/4 "G	3/4 "G	3/4 "G	3/4 "G	3/4 "G	3/4 "G	3/4 "G	3/4 "G	3/4 "G	3/4 "G	3/4 "G	3/4 "G
Single/Dual System	Simple	Simple	Simple	Simple	Dual	Dual	Dual	Dual	Dual	Dual	Dual	Dual	Dual
Refrigerant	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Water Side Condenser													
Water flow rate – m3/h	7.24	7.96	9.1	10.91	4.88*2	5.41*2	7.24*2	7.96*2	9.1*2	9.53*2	10.91*2	11.96*2	13.36*2
Pressure drop - kPa	52.6	50.1	50.8	52.2	48.3	51.3	52.6	50.1	50.8	50.4	52.2	50.3	51.7
Water Pipe -mm	32	32	32	42	28	28	32	32	32	32	42	42	42

Notes:

1. Capacity based on return air conditions of 24°C / 50% relative humidity.
2. The standard ESP 20Pa. For others, please consult our technical department for confirmation.
3. Rated water temperature 30°C/35°C inlet/outlet.

ATP Air – Chilled Water CW

Technical Data									
Upflow Unit	**ATPW- 030UC**	**ATPW- 040UC**	**ATPW- 050UC**	**ATPW- 060UC**	**ATPW- 070UC**	**ATPW- 080UC**	**ATPW- 090UC**	**ATPW- 100UC**	**ATPW- 110UC**
Downflow Unit	**ATPW- 030DC**	**ATPW- 040DC**	**ATPW- 050DC**	**ATPW- 060DC**	**ATPW- 070DC**	**ATPW- 080DC**	**ATPW- 090DC**	**ATPW- 100DC**	**ATPW- 110DC**
Total capacity (water temperature of 7°C/12°C)-kW	38,2	50.8	62.8	76.2	89.6	100.4	113.2	124	137.6
Total Capacity (Water Temperature 10C/15C) -kW	30.2	39	48	56.2	68.8	78	86.4	95.2	104.8
Total Capacity (Water Temperature 13°C/18°C) -kW	24	31.2	37.8	44	54.8	62.4	68	75,6	83.2
SHR -% Factor	100 1	100 1	100 1	100 1	100 1	100 1	100 1	100 1	100 1
Airflow -m3/h	9230	9610	10230	11260	17100	20500	18700	21360	23300
Fan Type	EC/CA	EC/CA	EC/CA	EC/CA	EC/CA	EC/CA	EC/CA	EC/CA	EC/CA
Heating power -kW	6	6	6	6	9	9	9	9	9
Type of heating	PTC, stainless steel & Ceramics	PTC, stainless steel & Ceramics	PTC, stainless steel & Ceramics	PTC, stainless steel & Ceramics	PTC, stainless steel & Ceramics	PTC, stainless steel & Ceramics	PTC, stainless steel & Ceramics	PTC, stainless steel & Ceramics	PTC, stainless steel & Ceramics
Capacity hum. -kg/h	8	8	8	8	10	10	10	10	10
Humidifier Type	Electrode	Electrode	Electrode	Electrode	Electrode	Electrode	Electrode	Electrode	Electrode
Filter Classification	G4	G4	G4	G4	G4	G4	G4	G4	G4
Weight - kg	303	312	333	352	492	502	512	522	539
Widht -mm	925	925	925	925	1675	1675	1675	1675	1825
Depth -mm	990	990	990	990	990	990	990	990	990
Height -mm	1975	1975	1975	1975	1975	1975	1975	1975	1975
Power Type 1)	380-415V /50-60Hz/3P	380-415V /50-60Hz/3P	380-415V /50-60Hz/3P	380-415V /50-60Hz/3P	380-415V /50-60Hz/3P	380-415V /50-60Hz/3P	380-415V /50-60Hz/3P	380-415V /50-60Hz/3P	380-415V /50-60Hz/3P
FLA -A1)	22.2	22.2	22.2	22.4	38.8	38.8	38.8	38.8	39.2
Power Type 2)	460 V/60 Hz/3P	460 V/60 Hz/3P	460 V/60 Hz/3P	460 V/60 Hz/3P	460 V/60 Hz/3P	460 V/60 Hz/3P	460 V/60 Hz/3P	460 V/60 Hz/3P	460 V/60 Hz/3P
FLA -A2)	18.4	18.4	18.4	18.5	32	32	32	32	32.3
Power Type 3)	200-230V /60Hz/3P	200-230V /60Hz/3P	200-230V /60Hz/3P	200-230V /60Hz/3P	200-230V /60Hz/3P	200-230V /60Hz/3P	200-230V /60Hz/3P	200-230V /60Hz/3P	200-230V /60Hz/3P
FLA -A3)	40.2	40.2	40.2	40.6	75.7	75.7	75.7	75.7	76.4
Water Connection -mm	32	32	42	42	42	42	54	54	54
Conexión de drenaje -mm	20	20	20	20	20	20	20	20	20
Water in connection	3/4 "G	3/4 "G	3/4 "G	3/4 "G	3/4 "G	3/4 "G	3/4 "G	3/4 "G	3/4 "G
Water flow rate -l/s	1.4	1.6	2.2	2.6	3.3	3.7	4.1	4.5	5
PD Water -kPa	49.6	55	63	57.3	57.2	73.6	63.2	77.8	85.3

Notes:

1. Technical data based on 28°C / 40% RH return air conditions.
2. The standard ESP 20Pa. The top application will be forwarded to the technical department for confirmation.
3. Standard with 2-way valves and optional with 3-way valves.

ATP Air – Chilled Water CW

Technical Data									
Upflow Unit	**ATPW- 120UC**	**ATPW- 130UC**	**ATPW- 140UC**	**ATPW- 150UC**	**ATPW- 160UC**	**ATPW- 170UC**	**ATPW- 180UC**	**ATPW- 190UC**	**ATPW- 200UC**
Downflow Unit	**ATPW- 120DC**	**ATPW- 130DC**	**ATPW- 140DC**	**ATPW- 150DC**	**ATPW- 160DC**	**ATPW- 170DC**	**ATPW- 180DC**	**ATPW- 190DC**	**ATPW- 200DC**
Total capacity (water temperature of 7°C/12°C)-kW	147,2	159.6	177.2	184,2	199.8	208.2	221.4	233.4	265.8
Total Capacity (Water Temperature 10C/15C)-kW	113.5	121.2	134	141	151.8	159.6	171	177.6	201
Total capacity (water temperature 13°C/18°C)-kW	99.2	95.2	104	111.6	120	126.6	135.6	139.2	156
SHR -% Factor	100 1	100 1	100 1	100 1	100 1	100 1	100 1	100 1	100 1
Airflow -m3/h	25960	25030	26120	31680	33120	35460	39100	36010	38500
Fan Type	EC/CA	EC/CA	EC/CA	EC/CA	EC/CA	EC/CA	EC/CA	EC/CA	EC/CA
Heating power -kW	9	9		12	12	12	12	12	12
Type of heating	PTC, stainless steel&Ceramics	PTC, stainless steel&Ceramics	PTC, stainless steel&Ceramics	PTC, stainless steel&Ceramics	PTC, stainless steel&Ceramics	PTC, stainless steel&Ceramics	PTC, stainless steel&Ceramics	PTC, stainless steel&Ceramics	PTC, stainless steel&Ceramics
Capacity hum. -kg/h	10	10	10	10	10	10	10	10	10
Humidifier Type	Electrode	Electrode	Electrode	Electrode	Electrode	Electrode	Electrode	Electrode	Electrode
Filter Classification	G4	G4	G4	G4	G4	G4	G4	G4	G4
Weight - kg	553	562	585	772	792	812	822	842	852
Width -mm	1825	1825	1825	2500	2725	2725	2725	2725	2725
Depth -mm	990	990	990	990	990	990	990	990	990
Height -mm	1975	1975	1975	1975	1975	1975	1975	1975	1975
Power Type 1)	380-415V /50-60Hz/3P	380-415V /50-60Hz/3P	380-415V /50-60Hz/3P	380-415V /50-60Hz/3P	380-415V /50-60Hz/3P	380-415V /50-60Hz/3P	380-415V /50-60Hz/3P	380-415V /50-60Hz/3P	380-415V /50-60Hz/3P
FLA -A1)	39.2	39.2	39.2	47.3	47.3	47.9	47.9	47.9	47.9
Power Type 2)	460 V/60 Hz/3P	460 V/60 Hz/3P	460 V/60 Hz/3P	460 V/60 Hz/3P	460 V/60 Hz/3P	460 V/60 Hz/3P	460 V/60 Hz/3P	460 V/60 Hz/3P	460 V/60 Hz/3P
FLA -A2)	32.3	32.3	32.3	39.1	39.1	39.6	39.6	39.6	39.6
Power Type 3)	200-230V /60Hz/3P	200-230V /60Hz/3P	200-230V /60Hz/3P	200-230V /60Hz/3P	200-230V /60Hz/3P	200-230V /60Hz/3P	200-230V /60Hz/3P	200-230V /60Hz/3P	200-230V /60Hz/3P
FLA -A3)	76.4	76.4	76.4	91.3	91.3	92.4	92.4	92.4	92.4
Water Connection -mm	54	54	54	66.8	66.8	66.8	66.8	66.8	66.8
Drain Connection -mm	20	20	20	20	20	20	20	20	20
Water in connection	3/4 "G	3/4 "G	3/4 "G	3/4 "G	3/4 "G	3/4 "G	3/4 "G	3/4 "G	3/4 "G
Water flow rate -l/s	5.4	5.7	6.1	6.7	7.2	7.5	8.1	8.3	8.9
PD Water -kPa	99.9	77.8	80.1	74.1	76.5	84.1	97.8	71.5	74.1

Notes:

1. Technical data based on 28°C / 40% RH return air conditions.
2. The standard ESP 20Pa. The top application will be forwarded to the technical department for confirmation.
3. Standard with 2-way valves and optional with 3-way valves.