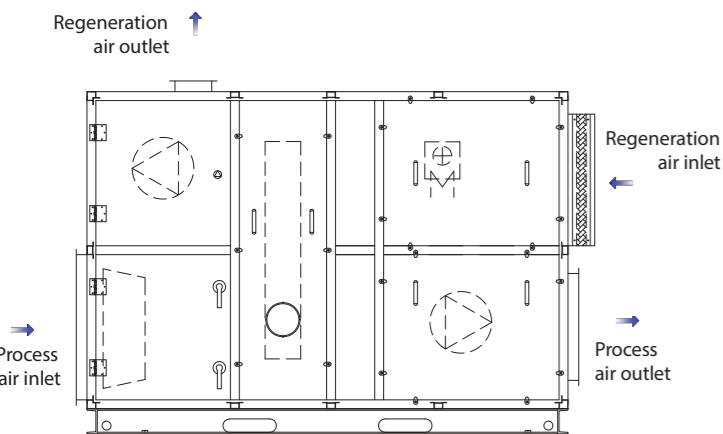


DIMENSIONS



Please turn side for specific dimensions

ROTOR OPTIONS *



D-MAX – rotor for standard applications



D-MAX H – bactericidal and hygienic



D-MAX CI – 100% silicon free air



SZCR – zeolite rotor for low dew points

* DST offers four unique rotors from Seibu Giken Co Ltd. D-MAX rotors are fitted as standard to all DST dehumidifiers, other rotors are available as an option. See the separate rotor brochure for more information.

APPLICATIONS

The CFA units are suitable for applications with both moisture and temperature control. Seibu Giken DST also offers 4 different rotors for environments with special requirements: pharmaceutical, food, automotive, battery, electronic, aerospace and shipping industries, municipal infrastructures, commercial buildings, cold storages and dry air storages.

Seibu Giken DST has representatives in more than 40 countries.



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Seibu Giken DST

is certified according to ISO 9001



GB 16.06

CFA DEHUMIDIFIERS

SEIBU GIKEN DST



Dehumidifying capacity at 20°C / 60%RH

8 - 238 kg/h

Dry air flow

1 200 - 36 000 m³/h



CFA, the flexible dehumidifier

The CFA range is a series of flexible dehumidifiers which have been developed to meet the varying needs of different industrial customers.

The "Consorb" dehumidification principle holds an efficient design and thus is applied in widely spread occasions, especially in warm and wet climates or in low dew point applications. Built with Consorb principle and equipped with full-scale options, CFA units can supply air as dry as -80 °C dew point.

CFA units are constructed using anodized aluminum frames and powder coated sandwich panels with minimum 30mm polyurethane (PU) foam insulations. This robust structure makes the units both tight and light. The smooth interior design, with no sills or pockets, and external locks on the hatches make the inside easy to wash so as to maintain good hygiene levels. In demanding environments like outdoor installation, stainless steel structures are available as an option.

Energy-efficient controls

CFA range has a basic on/off electrical controls as standard and offers a wide variety of options to meet each customer's demand.

The Standard CFA units include power lamp, operation lamp, auto restart, temperature

display, timer, pilot alarm, rotor alarm, filter alarms, process fan variable frequency control etc. PLC controls and different energy-saving control schemes are available as options.

Heaters, fans and filters

Regeneration heater selection from electric, steam, gas or hot water type.

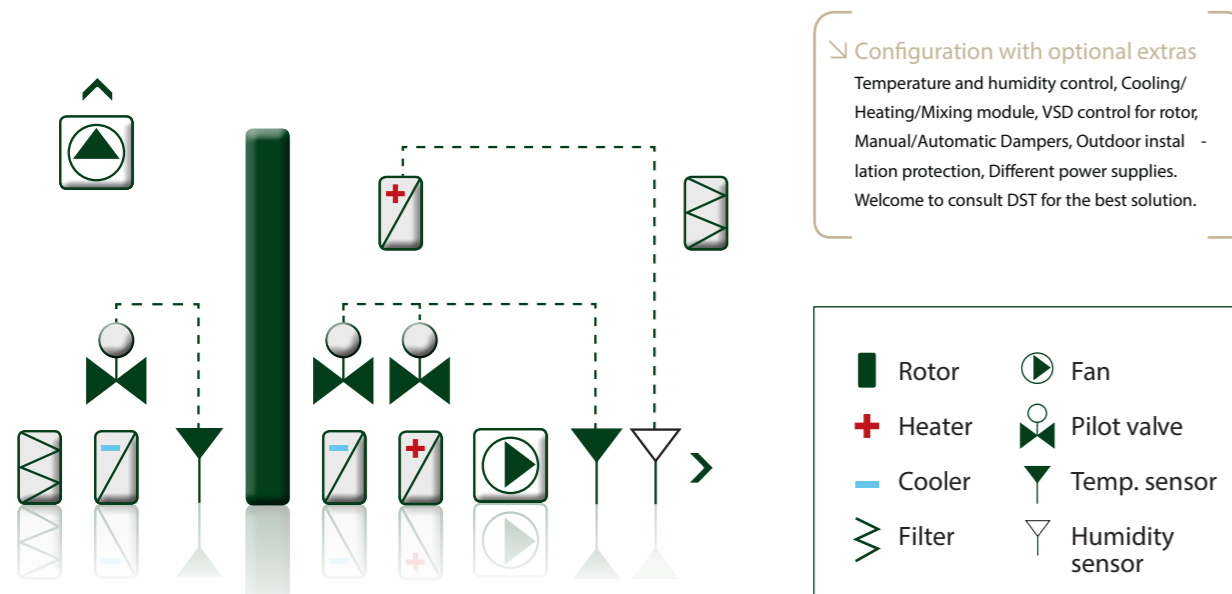
Direct driven backward curved plug fan with frequency converter is used for the best efficiency in the process side. Direct driven centrifugal fan is used for the regeneration side. Both fans are installed inside of the units, which lower noises to minimum levels.

Standard CFA range use G4 class bag filters for process side and G4 class high temperature panel filters for regeneration side. Special draw-out design makes replacement easy.

Washable, highly efficient rotor

All DST dehumidifiers are fitted as standard with the unique D-MAX rotor from Seibu Giken, which ensures the superior capacity and longevity. The pull-out design of rotor cassettes makes CFA units service friendly for cleaning and maintenance. A further three types of rotors are available as an option.

Custom dehumidifiers



Dehumidifier CFA-122



Technical Data

Unit:	CFA-061	CFA-061L	CFA-81	CFA-81L	CFA-101	CFA-101L	CFA-102	CFA-102L	CFA-122	CFA-122L	CFA-152	CFA-152L	CFA-172	CFA-172L	CFA-192	CFA-192L
Nominal capacity ¹ (kg/h)	8	10,4	19	25	30	41	52	64	80	93	107	144	161	197	217	238
Process air, air flow ² (m ³ /h)	1200	1800	3000	4000	4500	7000	7500	10000	11000	14000	15000	22000	23000	30000	31000	36000
Process air, pressure (Pa)	400	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300
Regen. air, air flow (m ³ /h)	400	600	900	1300	1500	2200	2500	3300	4000	4600	5000	7000	7700	10000	11000	12000
Regen. air, air pressure (Pa)	300	200	300	200	200	300	200	200	300	300	300	300	300	300	300	200
Regen. heater power ³ (kW)	13,5	18	30	45	50	75	84	110	135	155	168	235	260	335	365	400
Regen. steam ³ (kg/h)	22	33	49	70	81	116	135	174	216	242	270	370	415	530	593	635
Maximum electric consumption ³ (kW)	14,7	19,2	33	48	53	81	91	120	145	170	183	258	283	365	395	433
Maximum electric consumption ³ (kW) for steam unit	1,2	1,2	3	3	4	6	7	10	10	15	15	23	23	30	30	33
Weight (kg), electric heater	400	400	500	550	700	750	800	900	1000	1100	1200	1300	1400	1500	1600	1700

¹ 20°C / 60%RH as inlets' condition, volume flow density 1.2kg/m³

² Available static pressure at disposal.

³ Electric heater at 3x380V, 50Hz; Steam supply at 6 bar (g) saturate; Hot water/gas heaters are also available.

The table shows standard dimensions. Standard dimensions are not applicable to other configurations. Contact your DST representative for more information.

Dimensions

Unit (Electric heater)	CFA-61	CFA-61L	CFA-81	CFA-81L	CFA-101	CFA-101L	CFA-102	CFA-102L	CFA-122	CFA-122L	CFA-152	CFA-152L	CFA-172	CFA-172L	CFA-192	CFA-192L
Length	1627	1627	2780	2780	2830	2830	3090	3090	3280	3280	3280	3280	3780	3780	3780	3780
Width	760	760	1150	1150	1450	1450	1450	1450	1730	1730	2035	2035	2240	2240	2450	2450
Height	1400	1400	1490	1490	1780	1780	1880	1880	2060	2060	2460	2460	2660	2660	2780	2780
Process air in, mm (flanges)	680x470	680x470	900x650	900x650	1200x800	1200x800	1200x800	1200x800	1470x1050	1470x1050	1775x1200	1775x1200	1980x1300	1980x1300	2190x1405	2190x1405
Dry air out, mm (flanges)	500x300	500x300	600x400	600x400	700x500	700x500	800x600	800x600	1000x700	1000x700	1200x800	1200x800	1500x900	1500x900	1600x1000	1600x1000
Regeneration air in, mm (flanges)	390x360	390x360	505x670	505x670	655x780	655x780	655x780	655x780	815x870	815x870	965x920	965x920	1070x1020	1070x1020	1175x1125	1175x1125
Wet air out, mm (flanges)	340x200	340x200	370x190	370x190	370x190	410x210	410x210	410x210	460x230	460x230	510x260	510x260	570x290	570x290	650x330	650x330