



Improved  
Flowrates

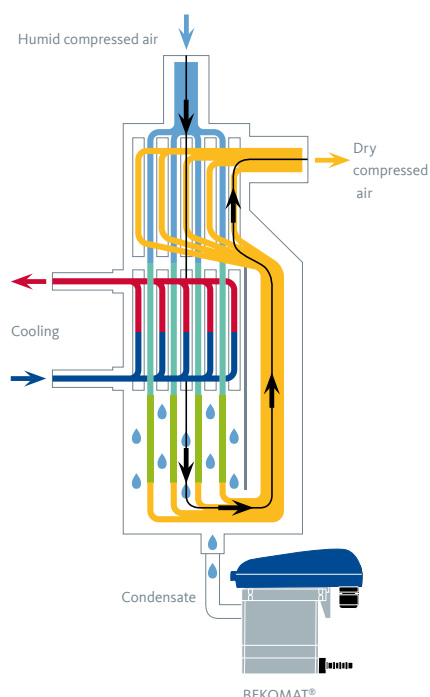
## Drying | DRYPOINT® RA T TROPICAL

### Product range overview DRYPOINT® RA T: Air-cooled, 3-phase

In tropical and sub-tropical areas, high ambient temperatures and elevated humidity levels create a challenging workload for the dryers. Additionally, operating in high humidity and an often chemically-laden working environment means for long service-life the dryer needs to be specially designed for high durability.

The air-cooled 3-phase units are essentially deliver immediate economic high performance. Stainless steel casings are available optionally for locations with a risk of corrosive chemical attack. Water-cooled versions, including specialised sea-water cooling systems, are available, too.

- › **Output air at a continuously stable 3°C pdp from the high capacity heat-exchanger**
- › **The drying phase reheating reduces the relative humidity to approx. 20% RH**
- › **Industry-beating durability and long service-life from proven, rugged design**
- › **Ultimate energy efficiency with the integrated BEKOMAT® zero air-loss drain**
- › **Air and water-cooled versions available (including sea water options) to suit all installations**
- › **Essential for the most demanding industrial applications**



Better through Responsibility



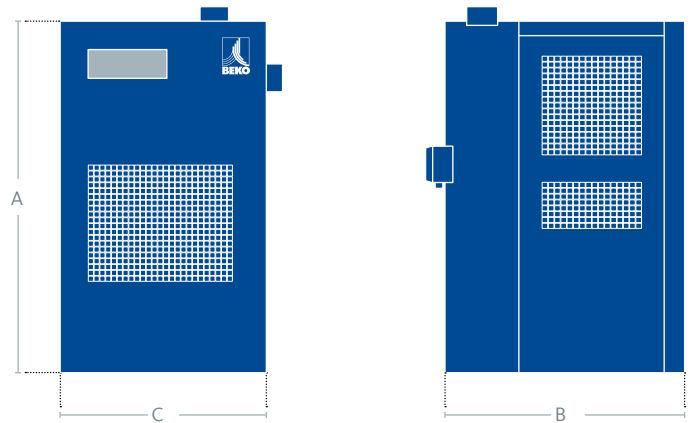
# DRYPOINT® RA T: Air-cooled, 3-phase tropicalized refrigeration dryers

DRYPOINT® RA T is a tropicalized edition of the top-selling DRYPOINT® RA which combines high capacity heat-exchangers with a strong, rugged design offering unsurpassed durability. All

DRYPOINT® RA T dryers provide stable operation at 3°C PDP in even the most demanding climate conditions – and make a sound long-term investment.

## › Reference conditions in accordance with DIN/ISO 7183

- › Volume flow based on 20 °C at 1 bar [a]
- › Max. compressed-air inlet temperature 70 °C
- › Max. ambient temperature 50 °C
- › All models equipped as standard with a BEKOMAT® condensate drain
- › Water cooled versions RA 1080 – RA 8800 upon request



## Technical data

Model	Air volume flow m <sup>3</sup> /h, 3 °C	Electr. con- nection	Power input kW	Pressure loss bar	Air connection	A mm	B mm	C mm	Weight kg
RA 1080 T AC	1080	400 VAC 50 Hz 3 Ph	2.25	0.12	DN80 - PN16	1595	1000	790	240
RA 1300 T AC	1260		2.70	0.18	DN80 - PN16	1595	1000	790	242
RA 1490 T AC	1680		3.20	0.10	DN80 - PN16	1595	1000	790	275
RA 1800 T AC	2040		3.40	0.17	DN80 - PN16	1595	1000	790	276
RA 2200 T AC	2340		3.65	0.18	DN80 - PN16	1595	1000	790	311
RA 2400 T AC	2520		4.61	0.19	DN100 - PN16	1750	1205	1135	463
RA 3000 T AC	3120		5.05	0.11	DN100 - PN16	1750	1205	1135	538
RA 3600 T AC	3780		5.93	0.19	DN100 - PN16	1750	1205	1135	540
RA 4400 T AC	4680		6.81	0.18	DN100 - PN16	1750	1205	1135	612
RA 5400 T AC	5400		8.83	0.20	DN150 - PN16	1810	1750	1300	830
RA 6600 T AC	6624		11.35	0.26	DN150 - PN16	1810	1750	1300	940
RA 7200 T AC	7200		12.10	0.20	DN200 - PN16	1870	2200	1400	1055
RA 8800 T AC	8832		17.72	0.26	DN200 - PN16	1870	2200	1400	1200

## Order specifics

Model	SAP code	Refrigant type	packing format	packed dimensions (mm)	gross weight (approx. kg)	lead time (weeks)
RA 1080 T AC	4026589	R 407 C	Box + Crate	1030x1240x1780	252	6 - 10
RA 1300 T AC	4026590	R 407 C	Box + Crate	1030x1240x1780	262	6 - 10
RA 1490 T AC	4026591	R 407 C	Box + Crate	1030x1240x1780	287	6 - 10
RA 1800 T AC	4026592	R 407 C	Box + Crate	1030x1240x1780	297	6 - 10
RA 2200 T AC	4026593	R 407 C	Box + Crate	1030x1240x1780	330	6 - 10
RA 2400 T AC	4026594	R 407 C	Box + Crate	1380x1460x2020	530	6 - 10
RA 3000 T AC	4026595	R 407 C	Box + Crate	1380x1460x2020	558	6 - 10
RA 3600 T AC	4026596	R 407 C	Box + Crate	1380x1460x2020	560	6 - 10
RA 4400 T AC	4026597	R 407 C	Box + Crate	1380x1460x2020	632	6 - 10
RA 5400 T AC	4026598	R 407 C	Box + Crate	1550x2100x2020	860	6 - 10
RA 6600 T AC	4026599	R 407 C	Box + Crate	1550x2100x2020	1035	6 - 10
RA 7200 T AC	4026600	R 407 C	Box + Crate	1620x2460x2130	1050	6 - 10
RA 8800 T AC	4026601	R 407 C	Box + Crate	1620x2460x2130	1370	6 - 10

### Notes

The SAP order numbers listed above refer to 50Hz models For 60Hz models and other voltage formats please ask for details and the appropriate SAP order number

Lead-times are subject to some improvement depending on factory capacity Lead-times can be extended around annual shutdown periods In all cases please confirm lead-time in advance of order

### Optional extras

For installation in aggressive environments we can supply the products with the outer casing made of stainless steel panels. Please ask for details of price adders and availability since lead-times are necessarily extended

Fumigation certificates are available but must be ordered at the same time as the dryer. Please ask for details on price and lead-time

## Correction factors

Operating pressure (bar) [g]	4	5	6	7	8	10	12	14
CORRECTION FACTOR	0.77	0.86	0.93	1.00	1.05	1.14	1.21	1.27

Ambient temperature (°C)	25	32	35	40	45	50
CORRECTION FACTOR	1.09	1.04	1.00	0.92	0.83	0.73

Inlet temperature (°C)	38	42	45	50	55	60	65	70
CORRECTION FACTOR	1.11	1.00	0.92	0.80	0.70	0.61	0.53	0.46

Pressure Dew Point (°C)	3	5	7	10
CORRECTION FACTOR	1.00	1.09	1.19	1.37

### Conversions factors

To find out the correct dryer version, the required air mass must be divided by the correction factors.

## Do **you** have further questions in relation to the optimal processing of your compressed air?

We have the answer! And suitable solutions around the processing chain. We would be happy to hear from you and to show you our products in the areas of condensate processing, filtration,

drying, measuring technology and process technology as well as our extensive services.

**Visit us on**



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