DRYBERG RF45/AC, air cooled

Technical data

Air flow	2400 m³/h
Power input	4,70 KW
Pressure loss	0,09 bar
min./max. compressed air inlet temperature	25° - 70°C
min./max. operating pressure	4 / 14 bar
min./max. ambient temperature	2°C / 50°C
Electric connection	400 V, 50 Hz, 3 Ph
Refrigerant	R513A - 6,00 kg
CO2 equivalent	3788,40 kg
GWP (Global Warming Potential)	631,4
Cooling air flow	10800 m³/h
Connection compressed air inlet/outlet	DN100-PN16
Weight	503 kg
Max. noise level	< 80 dbA
Condensate drain	BEKOMAT
Recommended filter at dryer inlet	PUREBERG, G or F series
Connection fitting for filter	DN100 - 3"

Reference conditions in accordance with DIN/ISO 7183:	
Air flow	in relation to 20°C, 1 bar (a)
Compressed air inlet temperature	35°C
Cooling air temperature	25°C
Pressure dew point	3°C

With other operating pressures multiply air flow with factor f1

[bar]	4	5	6	7	8	10	12	14
f1	0,77	0,86	0,93	1,00	1,05	1,14	1,21	1,27

With other cooling media multiply air flow with factor f2

[°C]	25	30	35	40	45	50
f2	1,00	0,95	0,93	0,85	0,73	0,58

With other compressed air inlet temperatures multiply air flow with factor f3

[°C]	25	30	35	40	45	50	55	60
f3	1,26	1,20	1,00	0,81	0,68	0,57	0,46	0,38

Pressure dew point

[°C]	3	5	7	10
f4	1,00	1,09	1,19	1,37

Dimensioned sketch DRYBERG RF45/AC, air cooled