DA desiccant dryer

DA 160

DA 400

Technical data		DA 160	DA 250	DA 440
Drying capacity at 20°C – 60% RH	kg/h	0.6	1.1	1.4
Nominal process air volume	m3/h	160	250	440
Nominal regeneration air volume	m3/h	40	50	100
Electrical connected load	kW	1	1.3	2.1
Current consumption	A	4.3	5.65	9.1
Temperature/humidity operating range	°C / % RH	-30 to +40 / 0 to 100		
Voltage supply	V/Ph/Hz	230/1/50		
Air intake area	mm	145 x 155	145 x 255	
Dry air connection diameter	mm	100	125	
Damp air connection diameter	mm	63	80	
Dimensions (H x W x D)	mm	273 x 322 x 329	351 x 335 x 357	
Sound pressure levels [1)]	dB(A)	53	52.9	69
Weight	kg	10.5	14	14

Technical data		DA 210	DA 400	DA 450
Drying capacity at 20°C – 60% RH	kg/h	0.6	1.5	2.2
Nominal process air volume	m3/h	210	400	450
Nominal regeneration air volume	m3/h	40	120	120
Electrical connected load	kW	1.1	2.3	3.5
Current consumption	A	4.8	10	15.2
Temperature/humidity operating range	°C / % RH	-30 to +40 / 0 to 100		
Voltage supply	V/Ph/Hz	230/1/50		
Process air connection diameter	mm	125	160	
Dry air connection diameter	mm	100	160	
Humid / regeneration air connection diameter	mm	63	80	
Dimensions (H x W x D)	mm	457 x 315 x 315	525.5 x 504 x 428	
Sound pressure levels [1)]	dB(A)	53.3	62.2	63
Weight	kg	16.5	28	31

1) Laboratory values measured with connected ventilation ducts at a distance of 1 m from the instrument surface. Actual values may vary.

DA desiccant dryer

DA 500

Technical data		DA 500	DA 700	DA 1000	DA 1400	DA 2400	DA 3400	DA 4000
Drying capacity at 20°C – 60% RH	kg/h	3.3	5.1	7.1	10	13.5	14.5	20
Nominal process air volume	m3/h	500	700	1,000	1,400	2,400	3,400	4,000
Nominal regeneration air volume	m3/h	150	220	350	400	500	550	850
Ext. compression — process air	Pa	300	200	300	200	300	300	200
Ext. compression — regeneration air	Pa	300	250	200	300	250	200	200
Electrical connected load	kW	4.5	7.5	11.0	13.6	19.0	20.6	28.7
Electrical power of regeneration heating coil	kW	4.0	7.0	10.2	13.0	17.5	18.0	26.0
Temperature/humidity operating range	°C / % RH	-30 to +40 / 0 to 100						
Voltage supply	V/Ph/Hz	400/3/50						
Process air connection diameter	mm	400						
Dry air connection diameter	mm	315						
Humid/regeneration air connection diameter	mm	200						
Dimensions (H x W x D)	mm	910 x 1,199 x 992						
Sound pressure levels 1)	dB(A)	62	62	62	63	68	69	69
Weight	kg	185	190	190	195	200	200	205

Technical data		DA 4400	DA 6400	DA 7400	DA 9400
Drying capacity at 20°C – 60% RH	kg/h	28	36.5	45	54
Nominal process air volume	m3/h	4,400	6,400	7,400	9,400
Nominal regeneration air volume	m3/h	1,200	1,600	2,250	2,500
Ext. compression — process air	Pa	≥ 200			
Ext. compression — regeneration air	Pa	≥ 200			
Electrical connected load	kW	40.9	54.5	66.5	79.0
Electrical power of regeneration heating coil	kW	36.0	48.0	60.0	72.0
Temperature/humidity operating range	°C / % RH	-30 to +40 / 0 to 100			
Voltage supply	V/Ph/Hz	400/3/50			
Process air connection diameter	mm	630			
Dry air connection diameter	mm	500			
Regeneration air connection diameter	mm	315			
Damp air connection diameter	mm	315			
Dimensions (H x W x D)	mm	1,311 x 2,194 x 1,280			
Sound pressure levels 1)	dB(A)	72-73			
Weight	kg	550	600	650	700

DA desiccant dryer

DA 27000 SP

Technical data		DA 13000SP [1]	DA 19000SP [1]	DA 27000SP [1]
Drying capacity at 20°C – 60% RH	kg/h	86	120	182
Nominal process air volume	m3/h	13,000	19,000	27,900
Nominal regeneration air volume	m3/h	4,200	6,000	6,980
Ext. compression — process air	Pa	590	440	400
Ext. compression — regeneration air	Pa	200	450	250
Total electrical connected load	kW	143.5	207.5	309
Electrical power of regeneration heating coil	kW	132	192	288
Temperature/humidity operating range	°C / % RH	-30 to +40 / 0 to 100		
Voltage supply	V/Ph/Hz	400/3/50		
Process air connection diameter	mm	800	1,000	
Dry air connection diameter	mm	800	1,000	
Regeneration air connection diameter	mm	500	630	
Damp air connection diameter	mm	500	630	
Process air / regeneration air filter class	-	G4		
Dimensions (height)	mm	2,300	2,500	2,500
Dimensions (width)	mm	2,250	2,400	2,900
Dimensions (depth)	mm	1,600	1,900	2,400
Weight	kg	1,350	1,700	2,400

1) All data refers to a standard unit with electrical regeneration.