

Arcticstar ASK

The small range of refrigeration dryers



The application of high-quality air ensures continuity and reliability of industrial applications, the highest quality standards for finished products and the optimisation of production costs. Parker Zander offers a range of refrigerated air drying solutions using advanced refrigeration technology. ASK dryer is Parker Zander's answer to the specific needs of the industrial user. ASK dryer safeguards continuous performance and superior efficiency in every industrial compressed air application. It can easily be adapted to suit all working conditions, maintaining reliable dewpoint control and the lowest possible pressure drops and operating costs. With its state-of-the-art PlusPack heat exchangers (patent pending) and the most compact dimensions of any system in its class, ASK dryer is the superior choice for any compressed air treatment application.



Contact Information:

EMEA Product Information Centre

Free phone: 00 800 27 27 5374

(from AT, BE, CH, CZ, DE, DK, EE, ES, FI, FR, IE, IL, IS, IT, LU, MT, NL, NO, PL, PT, RU, SE, SK, UK, ZA)

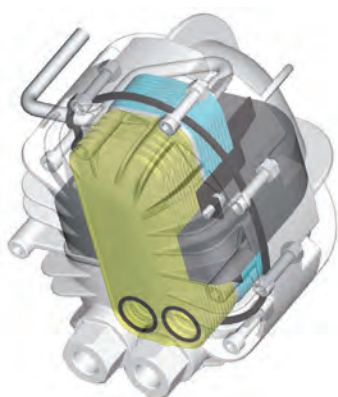
US Product Information Centre

Toll-free number: 1-800-27 27 537

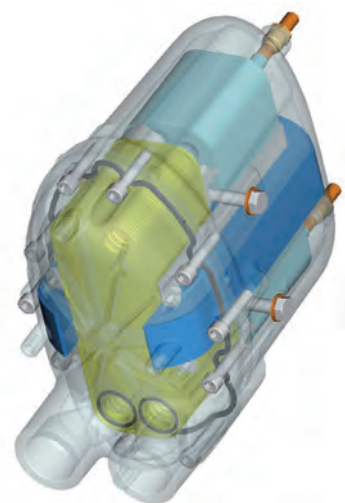
www.parker.com

Product Features:

- Extremely compact
- Low operating costs
- Environmentally friendly
- High operating limits



PlusPack 3-in-1 heat exchangers (patent pending), in solid aluminium with air-to-air freecooler exchanger, evaporator and 'slow flow' demister separator and integrated air connections.



Features:

- Reliable air-tight piston compressors which do not require preheating.
- Simple and secure refrigeration circuits which do not require adjustment during operation and undergo vigorous quality testing in production.
- Large adjustable condenser and fan compartments to guarantee optimum performance even in extreme conditions.
- Security protection in the refrigeration circuit, increasing reliability and safeguarding the air dryer.
- Simple disassembly, with easy access to the internal components for efficient maintenance.
- Drain positioned in a niche, allowing easy access without the need to remove the top panel.

Technical data

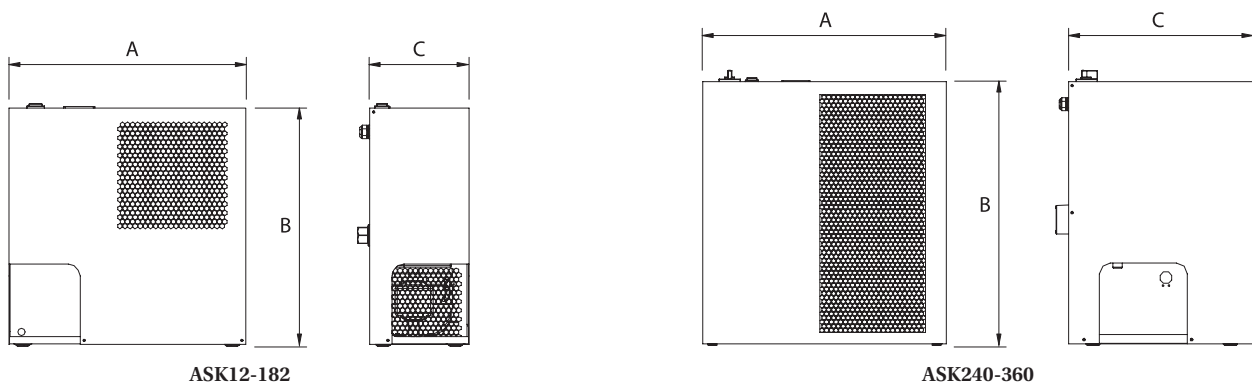
Model	technical data				dimensions (mm)			weight (kg)	Pre filter	Post filter
	air flow		abs. power	air	width	height	depth			
	m³/h	m³/min	kW	conec.	A	B	C			
ASK-12	12	0,2	0,12	1/2"	450	430	210	19	GL5ZLD	GL5XLD
ASK-24	24	0,4	0,13	1/2"	450	430	210	19	GL5ZLD	GL5XLD
ASK-36	36	0,6	0,17	1/2"	450	430	210	19	GL5ZLD	GL5XLD
ASK-54	54	0,9	0,25	1/2"	500	505	210	23,5	GL5ZLD	GL5XLD
ASK-72	72	1,2	0,25	1/2"	500	505	210	23,5	GL5ZLD	GL5XLD
ASK-108	108	1,8	0,49	3/4"	520	565	225	26,5	GL7ZLD	GL7XLD
ASK-144	144	2,4	0,57	3/4"	520	565	225	31	GL9ZLD	GL9XLD
ASK-182	180	3,0	0,78	3/4"	520	565	225	35	GL9ZLD	GL9XLD
ASK-240	240	4,0	0,71	1 1/2"	555	600	425	52	GL11ZLD	GL11XLD
ASK-300	300	5,0	0,85	1 1/2"	555	600	425	58	GL11ZLD	GL11XLD
ASK-360	360	6,0	1,05	1 1/2"	555	600	425	60	GL11ZLD	GL11XLD

Performances refer to air at FAD 20°C / 1 bar A, and at the following working conditions: air suction 25°C / 60%RH, 7 barg working pressure, pressure dew point in accordance with DIN ISO8573-1, 25°C cooling air temperature, 35°C compressed air inlet temperature. All indicated data refers to DIN ISO 7183. All models supplied with refrigerant R134a and for operation up to 16 barg. Arcticstar can operate up to ambient temperatures of 50°C and inlet temperatures of 65°C.

Air flow correction factors for differing working conditions

A) Working pressure correction factors	barg	3	4	5	6	7	8	9	10	11	12	13	14	15	16
		0,73	0,83	0,9	0,95	1	1,03	1,07	1,09	1,12	1,13	1,15	1,17	1,18	1,19
B) Ambient temperature correction factors	°C	20	25	30	35	40	45	50							
		1,05	1	0,94	0,88	0,81	0,75	0,68							
C) Air inlet temperature correction factors	°C	30	35	40	45	50	55	60	65						
		1,22	1	0,83	0,69	0,58	0,49	0,46	0,43						

To obtain the actual air flow multiply the nominal air flow by the above correction factors (ie. Air flow x A x B x C).
For a precise selection always refer to the software selection program or contact your Parker partner.





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