

# ECOOL Air/Air Heat Exchanger 85 / 100 W/K

**PAI/PAS 6173**  
**PAI/PAS 6203**



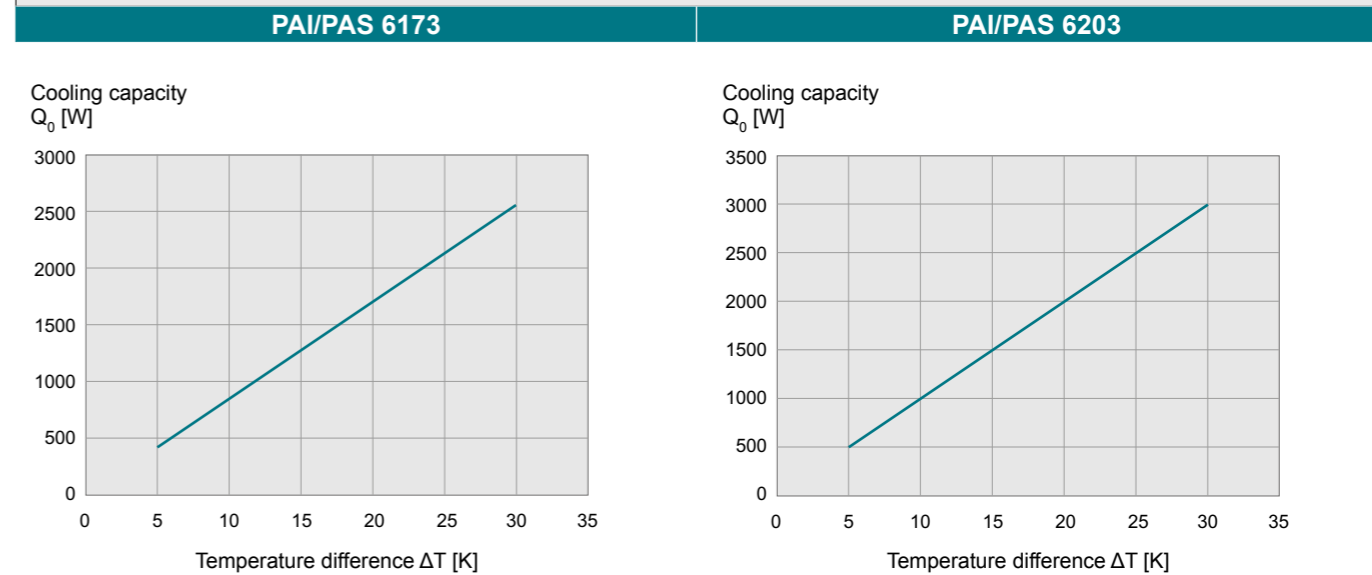
**PAI:** for partially recessed mounting in the door or side  
**PAS:** for outer mounting on the door or side

- cut-out compatible with the complete DTI/DTS 6000 cooling unit series
- mounting-friendly seal, no elaborate reworking of the mounting cut-out
- integrated thermostat for temperature control
- additional thermostat for excessive temperature warning
- maintenance-free
- large distance between intake and exhaust vents, safe circulation within the electrical enclosure due to long passage of air, therefore hot spots are eliminated

Data		PAI/PAS 6173		PAI/PAS 6203		Unit
Article number	PAI	12993511055	12993514055	12993611055	12993614055	
	PAS	12983511055	12983514055	12983611055	12983614055	
Rated voltage ± 10%		AC 50 / 60	AC 60	AC 50 / 60	AC 60	Hz
		230	115	230	115	V
Specific cooling capacity		85		100		W/K
Power consumption		310 / 420	420	310 / 420	420	W
Current consumption		1.3 / 1.7	3.4	1.3 / 1.7	3.4	A
Starting current		3.5 / 3.3	7.8	3.5 / 3.3	7.8	
Unimpeded airflow (free flow)	internal	1,175 / 1,300	1,340	1,175 / 1,300	1,340	m³/h
	external	1,175 / 1,300	1,340	1,175 / 1,300	1,340	
Pre fuse T		2	4	2	4	A
Type of connection		spring-type terminal included with plug				
Noise level according to EN ISO 3741		< 69				dB (A)
Weight (without packaging)	PAI	46		46		kg
	PAS	46.3		46.3		
Ambient temperature range		-25 ... +55 / -13 ... +131				
Control range (adjustable)	control thermostat	+ 20 ... + 55 / + 68 ... + 131; factory setting + 35 / + 95				°C / °F
	alarm thermostat	+ 30 ... + 65 / + 86 ... + 149; factory setting + 45 / + 113				
Duty cycle		100				%
Protection system according to EN 60529	IP 54	towards the electrical enclosure if used as intended by the manufacturer				
	IP 34	towards the surroundings if used as intended by the manufacturer				
Design	housing	galvanised sheet steel				
	cover	galvanised / electrostatically powder coated (200 °C)				
Colour (cover)		RAL 7035, different colours available on request				
<b>Accessories</b>	<b>Piece</b>	<b>Article number</b>				
Filter adapter (RAL 7035)	1	18310000151				
Vlies filter	5	18300000147				

Approvals see page 173

## Cooling capacity performance curves



## Dimensions

PAI	X	Y	Z1	Z2	K				L			
mm	485	1549	189	63	1510				450			
PAI variants partially recessed by 120 mm after installation												
PAS 6173	X	Y	Z	A	B	C	D	E	F	G	H	I
mm	485	1555	252	700	282	220	17.5	450	510	290	315	350
PAS 6203	X	Y	Z	A	B	C	D	E	F	G	H	I
mm	485	1555	252	700	282	220	10	450	510	290	315	350
Mounting holes Ø 8 mm and cut-out radii R20												
PAI 6173 / PAI 6203						PAS 6173 / PAS 6203						

