



## OEM Vario XXXX-XX hp

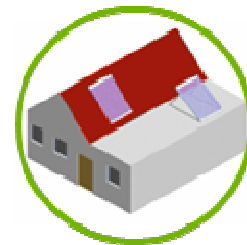
AkoTec full vacuum tube collectors are a guarantor for high energy yields especially in solar heating systems even in cold periods and winter time. All components are featuring very high quality and efficiency while having the longest lifetime.

We grant **20 years manufacturer warranty** for all our products!



### Advantages of our Collectors:

- integrated overheating protection; cuts off automatically at 100°C or 160°C (freely choosable)
- quick-clip-connection: tube - manifold
- dry connection of tube to manifold (easily changeable)
- tubes are 360 ° rotateable (for optimum direction to the sun)
- tube distance is always the same (even when connecting several collectors; good visual general impression)
- small fluid volume
- self-supporting construction (no expensive rack necessary)
- One-Man-Mounting
- collector and NARVA full vacuum tubes manufactured in Germany
- NARVA full vacuum tube available with absorber coated on both sides (higher Power)
- short energy amortisation
- mounting possible from 15°-75°
- hail-safe





## Technical Data

Collector Type		OEM Vario 400-5 hp	OEM Vario 500-5 hp	OEM Vario 800-10 hp	OEM Vario 1000-10 hp	OEM Vario 1600-20 hp	OEM Vario 2000-20 hp	OEM Vario 2400-30 hp	OEM Vario 3000-30 hp
Absorber coating		one side	both sides	one side	both sides	one side	both sides	one side	both sides
Amount of tubes		5		10		20		30	
Measures	mm	2208 x 373 x 115		2208 x 745 x 115		2208 x 1495 x 115		2208 x 2247 x 115	
Gross area	m <sup>2</sup>	0,82		1,64		3,30		4,96	
Weight	kg	12		24		48		72	
Annual collector yield Solar Keymark (measured in Würzburg →25 °C (T <sub>m</sub> ))	kWh/m <sup>2</sup> a	386	522	772	1044	1537	2103	2309	3180
<b>Absorber</b>									
Absorption α / Emission ε	%	96/4							
Absorber area	m <sup>2</sup>	0,46	0,82	0,91	1,63	1,82	3,25	2,74	4,89
Aperture area	m <sup>2</sup>	0,51	0,73	1,02	1,47	2,03	2,95	3,05	4,46
Coating		TiNOX							
<b>Hydraulics</b>									
Max. operating pressure	bar	10							
Cut-off temperature	°C	120 - 160							
Collector volume	L	0,235		0,47		0,94		1,41	

