

Press Release
May 30, 2011

Intersolar 2011

Compact power pack, type KA, cuts down on energy- and space-requirement

The KA compact power pack from HAWE Hydraulik SE, Munich, is ideally suited for supplying pressure oil to the tracking systems in solar power plants. The hydraulic components manufacturer presents two sizes of the power pack at the Intersolar 2011 in Munich.

The power pack is made up of a pump and an integrated submerged motor. As the oil cools down the motor so effectively, the rated performance and dimensions of the motor are significantly lower than that of an air-cooled motor. This reduces the moving masses and brings down the starting current ratio. In addition, if the power pack is combined with seated valves from HAWE Hydraulik in 8-Watt technology the power uptake of the hydraulic solution can be cut down still further.

When fitted with a radial piston pump it can generate operating pressures of up to 700 bar, while a gear pump will achieve a maximum of 200 bar. This makes the power pack especially reliable as the pump works in the mid-pressure range when installed in solar power plants. The new size of type KA 4 can generate a maximum volume flow of 19.9 liters/minute. The tank volume can be increased from five to 25 liters, depending on the tank extensions. Type KA 4 was developed for batch and cut-out operations.

Connection blocks and valve banks to the power pack is straightforward. Thanks to the modular construction kit system the individual hydraulic components are easily turned into a full-sized system controller. As all pressurized parts are made from steel, the components excel through their compact design and little space requirement, which is also furthered by its submerged arrangement. Despite the steel used the deadweight is comparatively low. Type KA 4 can be mounted both, vertically and horizontally, and can thus be optimally adjusted to the installation space available.

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A silica gel filter is available as option. It withdraws not only the moisture from the air inflowing into the power pack, but also acts as a fine filter, down to the size of My. Thus, the power pack can also be deployed without any further modifications in dusty and dirty surroundings. The power pack complies with IP class 65.

HAWE Hydraulik at Intersolar 2011

June 8-10, 2011

Hall C4, Booth 215

'Neue Messe München'

Further information and free documentation:

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Image:

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Compact power pack, type KA 4, from HAWE Hydraulik. The housing's ribbed tube construction increases thermal dissipation from the system.

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