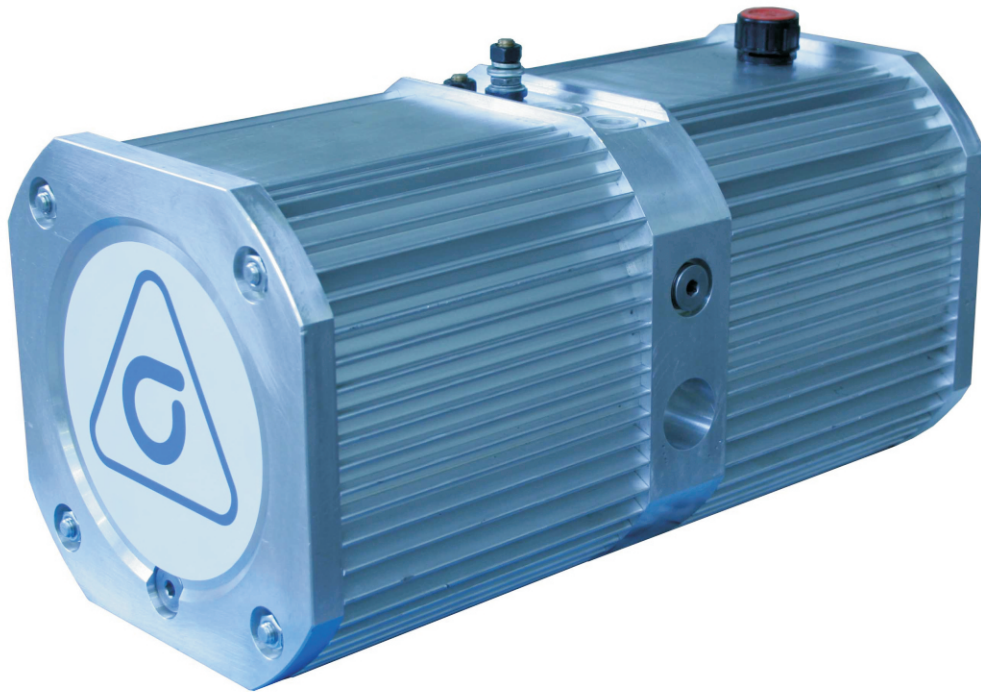


HYDRAULIC POWER-STEERING AGGREGATE



The hydraulic power-steering aggregate with AC movement can find application in different types and use means of conveyance and other like: electric trucks, road construction equipment, agricultural machines, electric cars, electric platforms, etc. Similarly it can find application like emergency power steering intended to display large dimension equipment from the place of accident when the main drive doesn't work.

There are many options of implementation depends from workability - supply voltage (24,48,80 VDC), power of AC motor , power inverter module, geometric volume of the pump, respect flow, working pressure etc.

HYDRAULIC POWER-STEERING AGGREGATE

As exhibit is shown popular version of the hydraulic servo aggregate “wet type” intended to be put in electric trucks - platforms and universal forklifts as AC motor is 1,25kW, the battery supply voltage is 80VDc, geometric volume of the pump is 5ccm/rev. The construction is compact with optimal location on electric motor, the hydraulic gear pump, hydraulic block with valves, power electronic module, outlets for connecting the module to efficient parts, terminal electric system for connecting with a constant supply voltage of the battery etc. This solution has very good ergonomic indicator which are connected with the noise and vibrations.

Another priority of the new hydraulic aggregate is his high efficiency. It's applied successfully as a basic section in the power-steering system as a hydraulic module in the lifting system for basket of platform trucks who can transport bearable materials. Though the specific bicameral cooling system, to the aggregate is provided good temperature conditions guarantee high reliable exploitation.

The product is patent protected.



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