



TURBOSTART HYDRODYNAMIC COUPLINGS

from 0,7 to 2.200 Kw

The **Turbostart hydrodynamic coupling** inserted into a transmission for starting up a high inertia controlled by an asynchronous electric motor with direct on line starting, has the following advantages:

- **Eliminates the rigidity** of the mechanical transmissions and guarantees the flexibility of an hydraulic transmission,withstanding all the shocks, torsional vibrations and unexpected overloads and it protects the motor and the driving machine.
- **Reduces peak current** during start-up, the electric motor rapidly reaches the operating speed with low peak current.
- **Permits smaller motor sizes** according to the power demand of the driven machine.
- **Permits an high stop start** duty cycle even under load, sudden changes of direction and it permits to brake incounter current too.
- **Distributes the load in applications** where two or more motors are installed; the hydrodynamic coupling allows every motor to reach its own operating speed, automatically distributing load demands.



JOLLY HYDROMECHANIC COUPLINGS

from 1,5 to 1.400 Kw

The Jolly hydromechanic coupling, without slip at continuous running, guarantees the efficiency of 100%, protects the transmission and the driven machine, it transmits the complete power also if the load changes and it offers the following advantages besides those above mentioned.

- **It assures gradual startings** and protection by overloads
- **Allows energy saving** by reducing initial starting current using a smaller motor according to the demand power at the rated speed
- **Guarantees no slip at full speed** and no heat generation
- **Eliminates wear and fatigue** on mechanical lock-up device