REVERMATIC is a Power Shuttle expressly studied for industrial applications, requiring quick directional reversing and smooth clutch engagement.

It basically consists of a hydraulic operated, self contained planetary gear, connected to the engine flywheel through a wide range of hydrodynamic, single stage Torque Converters, the capacity of which is selected according the engine rating and the application.

Through the Torque Converter the mechanical connection is eliminated and power is smoothly transmitted.

TECHNICAL DATA

- Nominal rating 70 kW
- max converter output torque (at stall) 600 Nm
- max input speed 3000 rpm
- single stage, 2 phase Torque Converter W 280
- max converter Stall Torque Ratio 2.93
- engine flywheel housing SAE J 617 SAE 3 or 4
- engine flywheel SAE J 620 10” standard (others on request)
- output flange for universal joint DIN 100
- gear ratios
- operating pressures: clutches 12 bar cooler 2 - 3 bar
- dry weight 108 kg
- oil capacity 9 litres

APPLICATIONS:
- material handling machines, shop and off road vehicles
- earth moving machines: front loaders, back-hoe loaders, dumpers
- industrial and airport tractors
- mobile cranes
- marble sawing machines
- shunt locomotives and rail vehicles
- forest and mining vehicles
- whinches
- ski-lifts
- utility vehicles

REVERMATIC Power Shuttle is available with an output flange for remote mounting through an universal joint or it can also be adapted to suit a variety of auxiliary units, as e.g, axles and multi-speed gear boxes.

The hydraulic clutches are operated by a hydraulic selector, electrically actuated, including, as standard equipment, a “soft shift device”.

The selector can be used as quick release valve and on request can include an inching control valve.

The hydraulic system has an integrated oil pump, driven by the engine, and a high flow facility for a total oil filtration. The oil pump feeds the torque converter, the clutches, the cooling and lubrication system.

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