

SPECIFICATIONS > PFT-PCV/3000 WITH CLUTCH

APPLICATION

The Transfer Case PFT-PCV/3000 WITH CLUTCH has been designed primarily for use in dry vacuum equipment and combination sewer cleaning machines.

DESCRIPTION

The PFT-PCV/3000 W/C (WITH CLUTCH) is a vertical Transfer Case with dimensional characteristics and overall configuration ideal to power equipment as pumps, blowers, compressors, etc. mounted above the frame rails of the vehicle.

The W/C version is **Patented** and allows the engagement of the system without the need of stopping the rotation of the input shaft.



This innovation provides the machine operator with extreme **simplicity of operation** and drastic **reduction of set up time and trips to the cab**.

The centre distance between the main drive and the Transfer Case outputs provides:

- Improved alignment of the power train drive shaft, resulting in the extended life span of components and quieter operation.



- At the upper output, the capability to install hydraulic pumps with mounting flanges from SAE-A to SAE-E.
- At the intermediate / front output, the capability to install hydraulic pumps with mounting flanges from SAE-A to SAE-D for the operation of auxiliary systems compatible with the drive train design.

In the W/C version, the operation of the intermediate outputs are controlled by the main drive pneumatic shifter.

The operation of the clutch output is performed only with the main drive disconnected. The control of the clutch engagement and disengagement is achieved through a high speed rotating swivel mounted at the opposite side of the output drive.

SPECIFICATONS

MAIN DRIVE

Maximum continuous torque	21.000 (Nm)*
Maximum intermittent torque	30.000 (Nm)*
Maximum intermittent torque (special version)	34.000 (Nm)*
Maximum speed	3.300 rpm

AUXILIARY OUTPUTS

UPPER POWER TAKE-OFF

Maximum power available at shaft (kW)	380	380	380
*Maximum continuous available torque (Nm)	2.000	2.000	2.000
*Maximum intermittent available torque (Nm)	2.200	2.200	2.200
*Maximum torque with 800 Nm at the intermediate output (Nm)	1.155	1.420	1.360
Available drive ratios	1 : 1	1 : 1.1	1 : 1.275
Maximum output speed (rpm)	2.800	2.800	2.800
Direction of rotation	Same of engine		
Power take-off operational with vehicle	Stationary		

INTERMEDIATE POWER TAKE-OFF

Maximum power available at shaft	800 (Nm)*		
Direction of rotation	Opposite of engine		
Available drive ratios	1 : 1.342	1 : 1.073	1 : 1.305
Power take-off operational with vehicle	Stationary		

(*) The maximum torque values of the upper outputs are considered without provision at the intermediate output. Calculating a provision at the intermediate output will reduce the maximum torque in relation to the drive ratio.

DIMENSIONS

