

SPECIFICATIONS > PFT - PCV/3000 DUAL DISCONNECT



APPLICATION

The PFT-PCV/3000 Direct Drive is a split shaft PTO designed specifically for applications of dry-vacuum equipment, combination machines and high pressure jetters.

DESCRIPTION

The PFT-PCV/3000 DUAL DISCONNECTS 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 version DUAL DISCONNECTS provides the option to install one (1) or two (2) mechanical disconnect/s at the upper drive. Each disconnect module incorporates a pneumatic shifter control that allows the engagement or disengagement of the drive as required, independently from the drive at the opposite side.

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 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 DISCONNECT modules and drive train design.

In the DUAL DISCONNECTS version, the operation of the upper internal gearing and intermediate outputs are controlled by the main drive pneumatic shifter.

The DISCONNECTS output drives are controlled by the pneumatic shifter built within the each unit module.

The engagement and disengagement of the DISCONNECTS output is performed only with the main drive disconnected or main input shaft stationary.

SPECIFICATIONS

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)			141
*Maximum intermittent available torque	(Nm)			975
*maximum continuous torque @ 1.800 rpm	(Nm)			750
Belt pull + lateral loadings	(N)			12.100
Belt pull – static	(N)			5.000
Direction of rotation				Same as engine
Available drive ratios		1 a 1	1 a 1,1	1 a 1,275
Power take-off operational with vehicle				1 a 1,468
				Stationary
PRESA DI FORZA ALBERO INTERMEDIO				
Maximum power available at shaft				800 (Nm)
Direction of rotation				Opposite of engine
Available drive ratios		1 a 1,342	1 a 1,073	1 a 1,305
Power take-off operational with vehicle				1 a 1,297
				Stationary

(*) For applications where the transfer case will be used without pulley drive, the torque values are increased. Please contact our office for further details.

DIMENSION

