



SPECIFICATION > PFT-3000/2AV

APPLICATION

The Transfer Case model PFT-2AV/3000 has been specifically designed for fire fighting vehicles and gully emptiers.



DESCRIPTION

PFT-3000/2AV is a vertical split shaft power take off particularly suitable for driving through cardan shafts hydraulic pumps above lorry's frame. The flange for cardan shafts or for the direct mounting of hydraulic pumps can be mounted both on differential and/or cabin sides.

The possibility of choosing among different ratios – from 1:1 o 1:2,28 in multiplication – allows reaching the correct revolutions for the pumps keeping the diesel engine at reasonable revolutions. The PTO's casting has internal holes, oil passages and oil holders specifically meant for the lubrication of critical points. For particularly high powers, or very adverse environmental conditions, it could be

necessary to mount a fan on the output flange, or to use an oil cooler. In this case, a pump for forced lubrication can be mounted on the intermediate shaft.

Two separate and independent controls allow the use of the outputs with the vehicle in motion, but their engagement must be done with the input shaft at a standstill.

In this configuration, though, we remind you that output revolutions depend on PTO's ratio, engine revolutions, and on the selected gearbox speed as well.

SPECIFICATIONS

MAIN DRIVE							
Maximum continuous torque	21.000 (Nm)*						
Maximum intermittent torque	30.000 (Nm)*						
Maximum speed	3.200 (rpm)						
AUXILIARY OUTPUTS							
Maximum power available at shaft (kW)*	175	170	165	165	160	155	
Maximum torque available at shaft (Nm)*	800	720	650	650	620	590	
Available ratios	1 (1,000)	0,787 (1,270)	0,675 (1,481)	0,649 (1,540)	0,529 (1,890)	0,438 (2,283)	
Maximum output speed (rpm)	2.500	3.000	3.500	3.500	4.000	4.500	
Direction of rotation	Same as engine						
Power take-off operational with vehicle	Stationary						



DIIMENSIONI

