

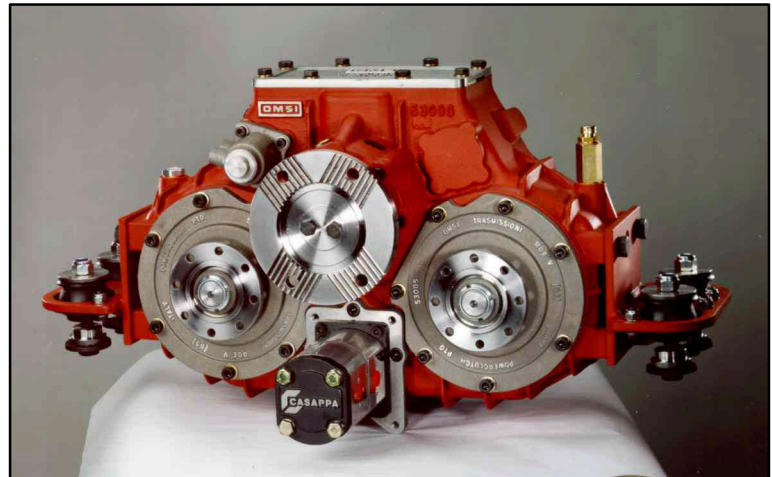
Application

The PFT – PC4/3000 is an intermediate split shaft power take-off designed specifically for use on septic tank/sewer pumping vehicles.

Description

This split shaft power take-off transmits power from the vehicle driveshaft to actuate auxiliary equipment.

The PFT PC4/3000 power take-off can be equipped with one or two oil-bath clutches so that one or more units (pumps, vacuum generators, compressors, etc.) can be activated without using the engine clutch to stop power take-off input shaft rotation when engaging or disengaging PTO-driven equipment. This power take-off is extremely simple for the operator to use, thus drastically reducing downtime. Total weight 150 kg.



Specifications

MAIN DRIVE		
Max. continuous torque	21.000 (Nm)*	
Max. intermittent torque	30.000 (Nm)*	
Max. speed	2,500 RPM – 3,300 RPM	
AUXILIARY OUTPUTS		
● SIDE POWER TAKE-OFF		
Available outputs	With clutch	Mechanical / hydraulic
Outputs per shaft	1	2
Max. power available at shaft	110 (kW)*	110 (kW)*
Max. torque available at shaft	1.200 (Nm)*	1.200 (Nm)*
Max. output speed	2.000 RPM	2.000 RPM
Direction of rotation	Opposite of engine	
Available ratios	1 to 1.27 (<i>standard</i>) ; 1 to 1 (<i>special</i>)	
Power take-off operational with vehicle	Stationary (<i>standard</i>) ; in motion (<i>special</i>)	
● CENTRAL POWER TAKE-OFF		
Available outputs	Hydraulic	
Outputs per shaft	2	
Max. power available at shaft	35 (kW)*	
Max. torque available at shaft	400 (Nm)*	
Direction of rotation	Opposite of engine	
Available ratios	1 to 1,62	
Power take-off operational with vehicle	Stationary (<i>standard</i>) ; in motion (<i>special</i>)	

* Contact our engineering office for higher power or torque requirements.

Controls (standard version)

- *PTO DRIVE*

Main PTO drive is engaged and disengaged by means of a double-acting pneumatic cylinder (6 - 8 bar) provided with a safety system that maintains position in the event of air supply failure, even under load. Control can be actuated only when the transmission output shaft is at a standstill

- *PTO DRIVEN EQUIPMENT*

Clutch-independent side equipment and central equipment is engaged automatically when the differential is disengaged.

Clutch-operated side equipment are actuated pneumatically (7- 8 bar) by means of a rotary coupling that can be actuated also when the main drive transmission is still rotating.

WARNING : It may be necessary to install a heat exchanger if the power take-off is used for heavy-duty and/or continuous service, or is used on vehicles operating under particularly climatic demanding conditions.

Dimensional Specifications

