

Fact Sheet

The PTR-FH is a gearbox-mounted, high speed, clutch dependent power take-off with a flange connection for a directly mounted propeller shaft.

The power take-off is specially adapted for Volvo's manual gearboxes, as well as for the I-shift gearboxes. It is driven via the gearboxes' intermediate shaft and is mounted on the rear side of the gearbox. Rpm and output are governed by the engine's speed and the gearboxes' gear ratio. Clutch dependent power take-offs can only be used when the vehicle is at a standstill, and they are engaged by a pneumatic system. The power take-off stops when the clutch pedal is depressed, which means that this power take-off can only be used when the vehicle is at a standstill.

The power take-off is suitable for applications such as:

- Dumpers
- Container lifters
- Crane-equipped trucks
- Tank trucks
- Refuse collection

The following product features characterise the PTR-FH:

- Fitted on the rear side of the gearbox and driven via gearbox intermediate shaft.
- Robustly dimensioned gears, shafts, and bearings offer high operating reliability and a long service life.
- Rpm and output are governed by the engine's speed and the gearboxes' gear ratio.
- Reliable engagement is carried out by a pneumatic system.
- Specially adapted for Volvo's manual gearboxes, as well as for the I-shift gearboxes.

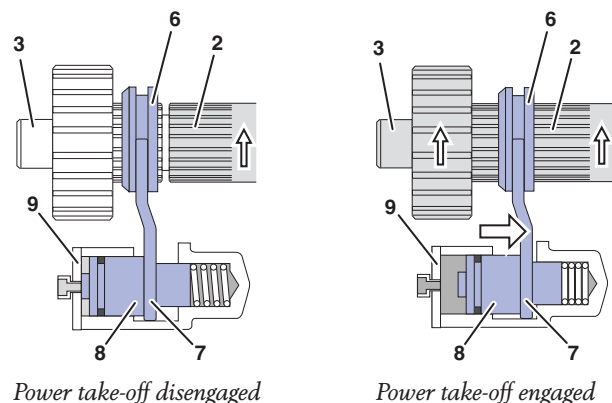
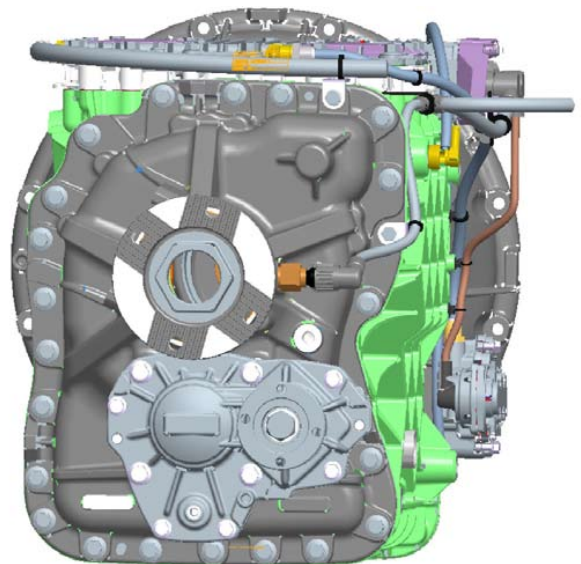
Engagement/disengagement from the driver's seat

Engagement and disengagement are done with a conveniently located switch on the instrument panel.

The pneumatic and mechanical design is constructed as follows:

An engaging sleeve (6) connects the connecting shaft (2) to the power take-off input shaft (3). The engaging ring is operated with a selector fork (7) by a compressed-air powered piston (8) in the control cylinder (9).

The compressed air for the control cylinder is regulated by a solenoid valve that is engaged and disengaged by a switch on the instrument panel.



Specification

Designation.....	PTR-FH
Type.....	Clutch dependent, high speed
Location	Rear section of gearbox
Max. output:	
Continuous operation.....	100* kW
Max. permitted torque.....	600 Nm
Rotation (viewed towards power take-off) ...	Anticlockwise
Flange connection.....	SAE 1300
Gear ratios.....	Dependent on choice of gearbox
.....	See data in power take-off brochure
Weight.....	15 kg
* Gearbox oil cooler is required if used power exceeds 75 kW for more than 15 minutes.	



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