

Hydraulic Power from Any Engine with Dynaset Technology

Dynaset is the world's first manufacturer to provide a hydraulic PTO with a bolt-on belt drive for transverse mounted engines. Dynaset released a HPTO Hydraulic power take-off at Bauma 2016. The new HPTO takes power out from a crankshaft to a hydraulic pump with the bolt-on belt drive. The patented structure of the bolt-on belt drive does not cause any traction to a vehicle's crankshaft providing safe usage and longer lifetime for an engine. The company has provided PTO solutions for longitude mounted engines for decades.

The compact structure and the bolt-on assembly significantly reduce installation workload and save time compared to traditional PTO solutions. When engine compartment allows, The HPTO can be fitted on any vehicle with a transverse mounted engine.

The new HPTO with variable hydraulic pump enables the usage of powerful hydraulic equipment also while driving. For example hydraulic generator can be producing electricity for refrigerated transport equipment and electric tools. With the help of Dynaset technology, any vehicle can be equipped with hydraulic equipment to utilize its own engine power to produce electricity, welding current, high pressure water, compressed air and so forth. The vehicle's fuel consumption remains the same when the hydraulic equipment is not running. The compact size of the Dynaset hydraulic equipment guarantees easy installation on all vehicles and saves space for other uses.

The output power of the HPTO is 30 kW while pressure is 210 bar and hydraulic flow 85 liters per minute. The company's new demo van Volkswagen Caddy Maxi 2.0 Tdi is equipped with HPTO and hydraulic equipment such as Dynaset hydraulic welding generator and hydraulic vibra pump. The van is used for showcasing, how customers can increase work efficiency, save space and costs by equipping small and agile vehicle with Dynaset technology.

Dynaset HPTO Hydraulic Power Take-off		
Output Power	Hydraulic Pressure max.	Hydraulic Flow max.
30 kW	210 bar	85 l/min