



HPTO21

Microprocessor Controlled Hydraulic Clutch

Clutch Controller

The microprocessor based clutch controller designed entirely by our in-house controls department allows for a consistent engagement sequence every time, extending the life of the clutch.

The HPTO21 utilizes PT Tech's Advanced 3 controller which can be integrated into the equipment's control system via the SAE J1939 CAN-bus protocol. The Advanced 3 control system utilizes the proven energy management capabilities that has been extremely successful with PT Tech clutches since the beginning of the HPTO product line.

The start-up sequence uses patented engagement logic involving a smooth ramping engagement in order to quickly bring the output inertia up to a synchronized speed with the engine while keeping the energy level in the disc pack within design limits. This allows the HPTO21 to start equipment with a large amount of inertia; even under partially jammed conditions.

The HPTO21 package increases equipment reliability and profitability with a consistent and monitored startup process every single time.

For application or technical assistance please contact PT Tech for more information.

The HPTO21 is a hydraulically applied wet friction clutch designed for off-highway diesel engine driven equipment. Its hydraulic design eliminates the need to adjust the clutch throughout its wear life. The HPTO21 can be combined with either of PTTech's existing pump drive housings, the FX Housing (4 pump pads) or VG Housing (2 pump pads).

Features and Benefits:

Utilizes same technology of industry leading HPTOs

Proven robust hydraulics and advanced microprocessor controls

Same footprint and pump drive capacity of PT Tech HPTOs

HPTO21 PRODUCT SPECIFICATIONS

Power & Max.	1000-1200 Hp
Torque	5300 lb-ft
Max. Speed	2,100 RPM
Weight	812 lbs
Bellhousing	SAE #1
Flywheel	SAE 14"