

HPTO10

Microprocessor Controlled Hydraulic Clutch

Clutch Controller

The microprocessor based clutch controller allows for a consistent startup process every time, extending the life of the clutch.

The start-up sequence (patent software) involves a series of pulses delivering up to 200% peak engine torque. This means the HPTO10 can start equipment with significant inertia or even under partially jammed conditions.

The HPTO10 package increases equipment reliability and profitability with a consistent startup process every time.

For application or technical assistance please contact PT Tech.

The HPTO10 is a hydraulically applied dry friction clutch for diesel engine applications. Its hydraulic piston design eliminates the need to adjust the clutch throughout its wear life.

Features and Benefits:

No engine pilot bearing

No adjusting or greasing required

Self-adjusting for wear

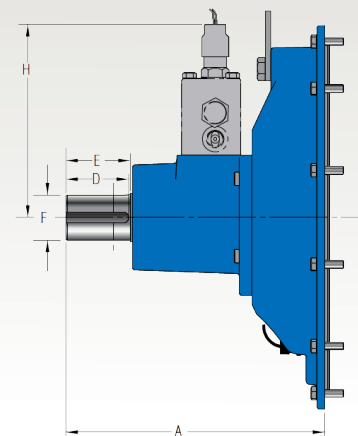
Designed to absorb shockloads

Internal rotary union allows for inline applications

Includes clutch controller that monitors and reports clutch status

"Push button" clutch engagement
Can be engaged remotely
(no mechanical Level)

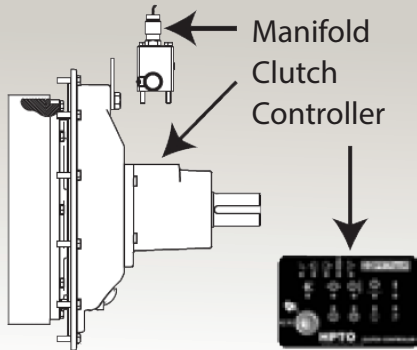
SAE J1939 CAN
Communications



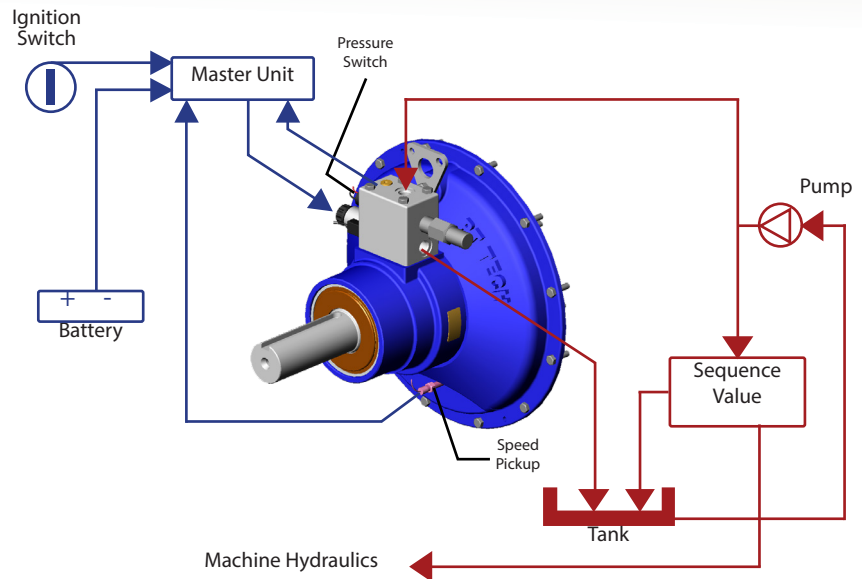
HPTO10 DIMENSIONAL DATA

		Inches	mm
A	Overall Length	16.11	409.3
D	Useable Key Length	5.94	150.8
E	Useable Shaft Length	6.5	165.1
F	Shaft Diameter	2.5	63.47
H	Shaft Centerline to Manifold Top	11	279.4

General Package



Hydraulic/Electrical System



HPTO10 PRODUCT SPECIFICATIONS

Power & Max.	140-250 Hp	104-186 kW
Max. Torque	1,281 lb-ft	1,736 nM
Max. Speed	2,400 RPM	
Pressure	400-1,000 PSI	28-70 BAR
Weight	195lb	88.5kg
Housing	SAE #3	
Mounts to	SAE 11-1/2 Flywheel*	

* Flat Flywheel mounting available

PT TECH'S HPTO CLUTCHES

DRY CLUTCH FAMILY

HPTO8	80-140 Hp	59-104 kW
HPTO10	140-250 Hp	104-186 kW
HPTO12	250-460 Hp	186-343 kW

WET CLUTCH FAMILY

HPTO13	250-475 Hp	186-354 kW
HPTO14	475-765 Hp	354-570 kW
HPTO15	765-1050 Hp	570-783 kW
HPTO21	1050-1600 Hp	783-1193 kW