

HPTO32

HPTO34

# HPTO<sup>®</sup> GEN3

## Dry Microprocessor Controlled Hydraulic Clutch

The best in class gets even more robust!

The new HPTO<sup>®</sup> Gen3 series is a game-changer for your equipment! These clutches bring new capabilities and new options for your toughest applications.

### DROP IN OR FULLY INTEGRATED

Standard offering drops right into our existing applications. The integrated option comes with a fully integrated system including sump, pump, manifold valves, and filtration system. Additionally, the controller and clutch wiring is provided with the clutch. Plug in communication, power and small cooler and it is ready to work!

### SIMPLIFIED TROUBLESHOOTING:

This new series of clutches makes troubleshooting simplified! A new controller design and HPTOLink App allows for data logging and remote connection for downloading fault logs to send to PT Tech support. If you choose the fully integrated model, it means near isolation from the machine, simplifying fault modes. All of this creates opportunities to that make it easier to support machines all around the globe

### EASIER INTEGRATION AND INVENTORY MANAGEMENT:

In addition to the above benefits, the HPTO<sup>®</sup> Gen3 is also easier for engineering and purchasing. There are 4 total clutch models, instead of the 11 models of the previous generation. One bearing design eliminates TD and DD versions, with increased belt-load capacity. The smaller and lower cost models are now at higher HP ranges as well. Common service kits allow for faster and easier servicing.

All of these benefits come together on the Gen3 series clutches to simplify integration, reduce duplication, increase performance, improve communication, and reduce downtime.

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

## WHAT'S NEW:

- Increased power density allows for smaller clutches to manage more power
- Even more robust bearing arrangement allows one clutch for both direct and transverse drives
- Option for PTT integrated hydraulics package
- Improved & adaptive controls logic running on next gen controller hardware
- Compatibility with new HPTO smartphone App

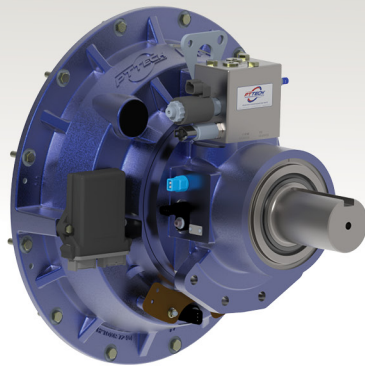


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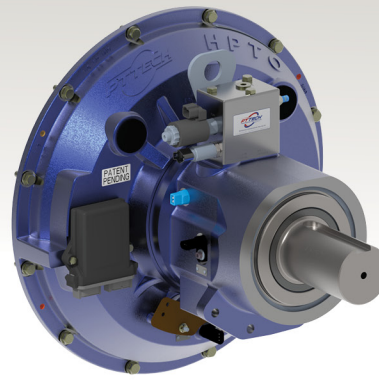
GEN3



HPTO30



HPTO32



HPTO34



HPTO36

## PRODUCT SPECIFICATIONS

	HPTO30	HPTO32	HPTO34	HPTO36R
Power & Max.	80-200 Hp	140-460 Hp	380-800 Hp	540-1200Hp
Rated Torque	625lb-ft	1825 lb-ft	2800 lb-ft	5,000 lb-ft
Max. Speed	2,400 RPM	2,400 RPM	2,250 RPM	2,250 RPM
Pressure	400-2,500 PSI	400-2,500 PSI	400-2,500 PSI	400-2,500 PSI
Weight	140 lbs	195 lbs	410 lbs	816 lbs
Housing	SAE #3	SAE #1 #2 & #3	SAE #1	SAE #00
Mounts to	SAE 11.5 Flywheel	SAE 11.5 or 14	SAE 14 Flywheel	SAE 18 Flywheel

## DIMENSIONAL DATA

In inches	30	32	34	36
Overall Length	17.99	16.11	22.08	21.8
Useable Key Length	6.31	5.94	6.31	4.62
Useable Shaft Length	6.875	6.5	6.875	5.12
Shaft Diameter	2.5	2.5	3.5	4.50
Shaft Centerline to Manifold Top	9	11	11.5	

## The HPTO Gen3 Clutch Family

### DRY CLUTCH FAMILY

HPTO30	80-200 Hp	60-149 kW
HPTO32	140-460 Hp	105-343 kW
HPTO34	380-800 Hp	283-597 kW
HPTO36	540-1200 Hp	403-895 kW

### WET CLUTCH FAMILY - with pump towers

HPTO31	80-350 Hp	60-261 kW
HPTO33	320-800 Hp	239-597 kW
HPTO35	320-920 Hp	239-686 kW
	800-1200 Hp	597-895 kW