



Microprocessor Controlled Wet Hydraulic Clutch For Marine Propulsion

Standard & Integral Options

The standard option is towerless! Hydraulic power comes from the engine SAE pad. The integral option includes an electric/hydraulic power unit, sump, filtration system, controller, and clutch wiring which are all bundled in an independent package at the factory. Plug in machine wiring, and the clutch is ready to operate!

Simplified Troubleshooting

The HPTO large engine series makes troubleshooting simple! A new controller design allows for data logging to send fault logs to PT Tech support. The integral model isolates fault events from the machine and allows for quick recovery. These features provide efficient, informed machine support worldwide.

Value Additions

The HPTO large engine clutch is user friendly for engineering and purchasing. Complete and clear design documentation for mechanical and electrical system integration is supplied with standard SAE Flywheel and Bell housing mountings used in the design for simple installation. Common components with popular industrial products keep costs and supply time as low as possible, all designed with Marine Class propulsion rules in mind.

All of these benefits come together on the large engine series clutches to simplify integration, increase performance, optimize service kits, improve communication, and minimize downtime. For application assistance, please contact PT Tech at pttinfo@pttech.com.

Product Highlights

Marine Class

Propulsion approval ready

Power Dense

Smallest package in the market designed to handle more power

Timken® Syber™ Bearing

System designed for long service life

Hydraulics & Cooling

Option for Integral Elec./Hydr. Power Unit, Sump, & Filter

New Gen3 Controller

J1939 CANbus Integration, IP67 rated, high inertia start, & simplified wiring

Additional Clutch Features

- Remote Engagement Standard
- Self-Adjusting Over Wear Life
- Pilotless Shaft
- Standard SAE Mounting

Additional Microprocessor Control Features

- Sure Start™ Soft Engage Actuation
- Energy Bucket™ Clutch Protection
- Lockup Detection
- Optional HMI Control Panel
- ProLink™ Data Log Software
- Simple System Integration



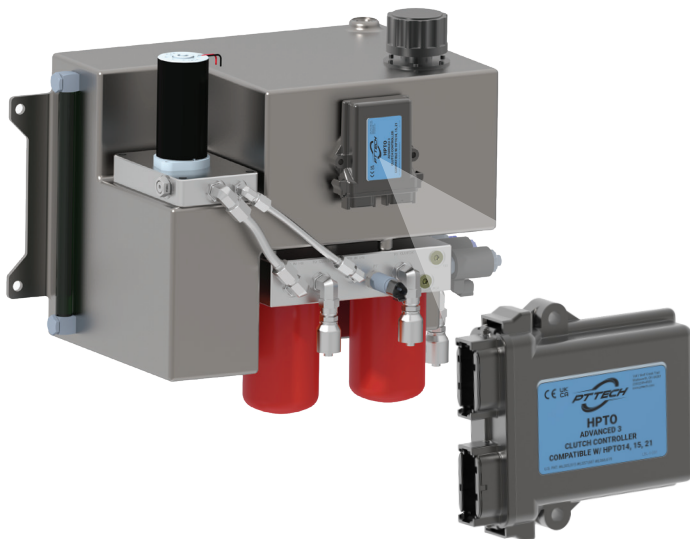
HPTO MARINE CLUTCH WET SERIES

Product Details & Specifications

Performance	HPTOL-M11	HPTOL-M08	HPTOL-M06	HPTOL-M03
Rated Peak Engine Torque (Nm)	19,240	14,261	10,830	5,516
Rated Peak Engine Torque (lb-ft)	14,191	10,519	7,988	4,069
Max Engine Kw @ 2,100 RPM	4,231	3,136	2,382	1,213
Max Engine Hp @ 2,100 RPM	5,677	4,208	3,195	1,627
SAE J617 Bell Housing*	00	00	00	0/00
SAE J617 Flywheel	21"	21"	18"/21"	18"/21"
Maximum RPM	2,100	2,100	2,100	2,100
Approximate Weight (lbs)	2,013	1,903	1,793	1,583

*Free standing mounting configuration without bell housing available
Contact PT Tech Sales & Engineering for custom configurations at pttinfo@pttech.com
Specifications subject to change

HPTO Microprocessor Control Sure Start™ Soft Engage Actuation



HPTO-M03

