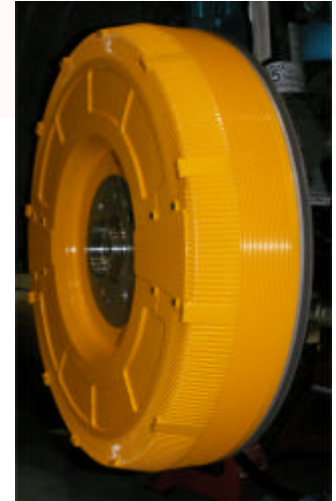




# Hi-Pa Drive



## Key Features:~

- Full regenerative braking down to very low speed
- Full holding torque at zero speed
- Wide speed range
- Built in brake resistor (for full charge regeneration situations)
- Hand / parking brake option available
- Heavy duty bearing system

Hi-Pa Drive is a literal revolution in motor technology. It represents both the culmination of 4 years development and the global state of the art today.

Hi-Pa Drive is an integrated motor and drive electronics in one unit.

Hi-Pa Drive is ultra high power density - 20 times more than conventional systems

Hi-Pa Drive is ultra reliable – 20 times more reliable than conventional systems

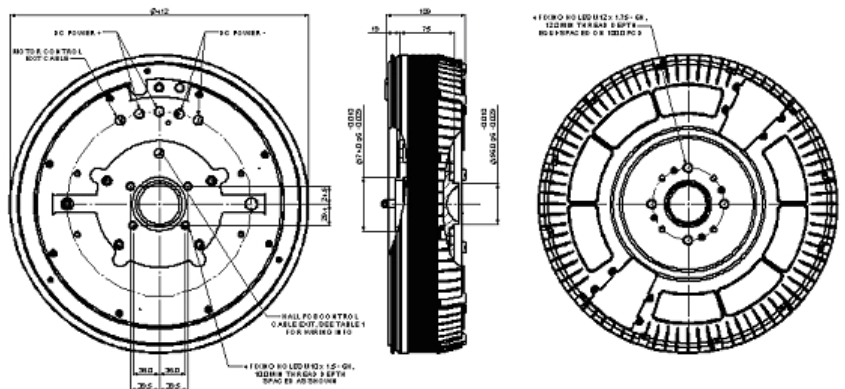
Providing high torque in a lightweight flat motor package, Hi-Pa Drive is ideally suited to vehicle in wheel drives, where its impact on suspension dynamics is minimal.

For more information, contact PML at: [enquiries@pmlflightlink.com](mailto:enquiries@pmlflightlink.com)  
Or telephone: +44 (0) 1420 594140

	HPD40	HPD35	HPD30
<b>Torque (max)</b>	750Nm	500Nm	350Nm
<b>Speed (max)</b>	2000rpm	2000rpm	2000rpm
<b>Power (max)</b>	120kW	80kW	40kW
<b>Mass</b>	25kg	21kg	18kg

## Connections

Inputs	
+ve power	400vdc max 200A
Uv power	
Throttle input	pwm 20khz
Brake input	pwm 20khz
TC Input	pwm 20khz
Forward	digital 24v pos true
Reverse	digital 24v pos true
Enable	digital 24v pos true
CanBus	



## Outputs

Speed	A quad B simulated encoder 5v 1000ppr
Fault	Open collector sink = fault state