

HYDRAULIC POWER TAKE-OFF

HP500

The HP500 is an oil-filled, multiple disc, hydraulically-actuated self-adjusting clutch. The HP500 has been developed with a number of unique features that offer reliability, productivity and power. The HP500 has been designed for a wide range of heavy-duty applications including crushers, grinders, mulchers, dredgers, heavy-duty drills and many others.

FEATURES & BENEFITS:

- Hydraulically actuated and self-adjusting wet clutch
- Suitable for in-line and side-load applications
- Advanced control system for smooth engagement
- Remote actuation via J1939 or switch input
- No pilot bearing
- High side load capability
- Maximum power rating 500 HP @ 1800 rpm
- Optional single tower (2-pads) or two tower (4-pads) auxiliary drive
 - 400 HP maximum capacity per tower
 - 450 HP maximum capacity for both towers
- Available pump pads:
 - SAE "A" • SAE "B" • SAE "C" • SAE "D" • SAE "E"
- Pump tower rotatable by 0°/45°/90° CW/CCW
- 1:1 standard with optional 0.83:1 & 0.77:1 speed increase on pump tower
- SAE #1, SAE #2 & SAE #3 input housing
- SAE 355 (14"), SAE 290 (11.5") & SAE 255 (10") input coupling



SPECIFICATIONS - HP500

Model Number	Maximum Power Rating			Maximum Speed (RPM)	Pump Tower Capacity		Weight	
	@ 1200 RPM	@ 1800 RPM	@ 2200 RPM		1 Tower (2 Pads)	2 Tower (4 Pads)	kg (lbs)	
HP500	333 HP (248 kW)	500 HP (373 kW)	611 HP (456 kW)	2300	400 HP (298 kW)	450 HP (336 kW)	HP500D	536 kg (1181 lbs)*
							HP500S	434 kg (956 lbs)*

*Varies with configuration



Specifications subject to change without prior notice in the interest of continual product improvement. Contact your local Twin Disc representative for engineering specifications, Survey Society Approvals and Classifications.

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