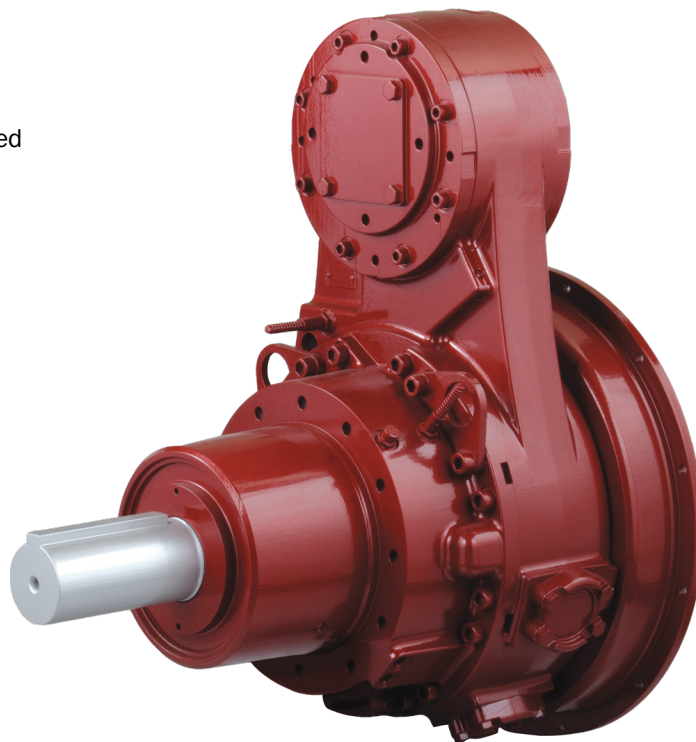


HP500**HYDRAULIC POWER TAKE-OFF**

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

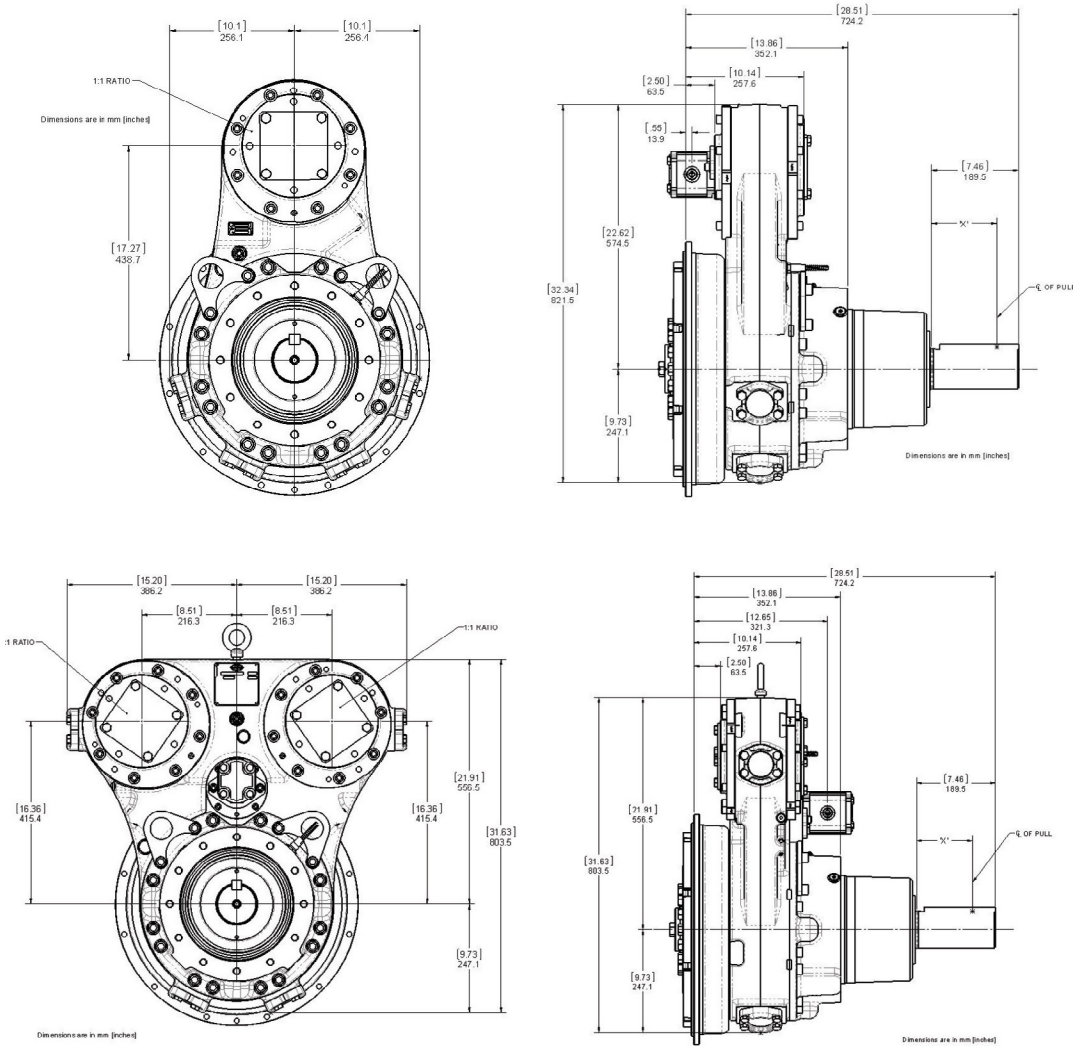
- Hydraulically actuated and self-adjusting wet clutch
- Suitable for in-line and side-load applications
- Advanced control system for smooth engagement
- Remote actuation via J1939 or switch input
- No pilot bearing
- High side load capability
- Maximum power rating 500 HP @ 1800 rpm
- Optional single 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 0.87:1 & 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

**HP500 SPECIFICATIONS**

Model	Maximum Power Rating			Maximum Speed	Pump Tower Capacity		Weight
	@ 1200 rpm	@ 1800 rpm	@ 2200 rpm		1 tower (2 pads)	2 towers (4 pads)	
HP500D	333 hp (248 kW)	500 hp (373 kW)	611 hp (456 kW)	2300 rpm	400 hp (298 kW)	450 hp (336 kW)	1181 lbs (536 kg)*
HP500S							956 lbs (434 kg)*

* Varies with configuration.

HP500 SPECIFICATIONS



HP500P SIDE LOAD CAPACITY VALUES

RPM in (mm)	-2 (-50.8)	-1 (-25.4)	0 (0)	1 (25.4)	2 (50.8)	3 (76.2)	4 (101.6)	5 (127.0)	6 (152.4)
1200 lbf (Nm)	12,795 (56,915)	11,085 (49,309)	9,789 (43,545)	8,758 (38,956)	7,927 (35,263)	7,238 (32,197)	6,607 (29,391)	5,956 (26,496)	5,423 (24,123)
1800 lbf (Nm)	11,330 (50,397)	9,816 (49,662)	8,668 (38,558)	7,755 (34,494)	7,020 (31,224)	6,409 (28,509)	5,851 (26,024)	5,274 (23,461)	4,802 (21,360)
2100 lbf (Nm)	10,818 (48,119)	9,372 (41,689)	8,276 (36,816)	7,404 (32,936)	6,702 (29,813)	6,119 (27,221)	5,586 (24,848)	5,036 (22,401)	4,585 (20,395)

Twin Disc, Incorporated reminds users of these products that their safe operation depends on use in compliance with engineering information provided in our catalog. Users are also reminded that safe operation depends on proper installation, operation and routine maintenance and inspection under prevailing conditions. It is the responsibility of users (and not Twin Disc, Incorporated) to provide and install guards or safety devices which may be required by recognized safety standards or by the Occupational Safety and Health Act of 1970 and its subsequent provisions.

Since 1918, we've been putting horsepower to work by designing, engineering and manufacturing rugged-duty industrial products. Our products and our reputation are bolted to the most renowned engine manufacturers and equipment OEMs in the world. Our mission is to make boats, machines and off-highway vehicles more productive, more durable, more operator-friendly, and more cost-effective. From design and installation consultation through after-sale support, Twin Disc and its distributors are committed to your business. No one knows more about managing horsepower in more ways than Twin Disc.

POWER-SHIFT TRANSMISSIONS

TORQUE CONVERTERS

ELECTRONIC CONTROL SYSTEMS

POWER TAKE-OFFS

PUMP DRIVES

CLUTCHES

GEARBOXES

UNIVERSAL CONTROL DRIVES