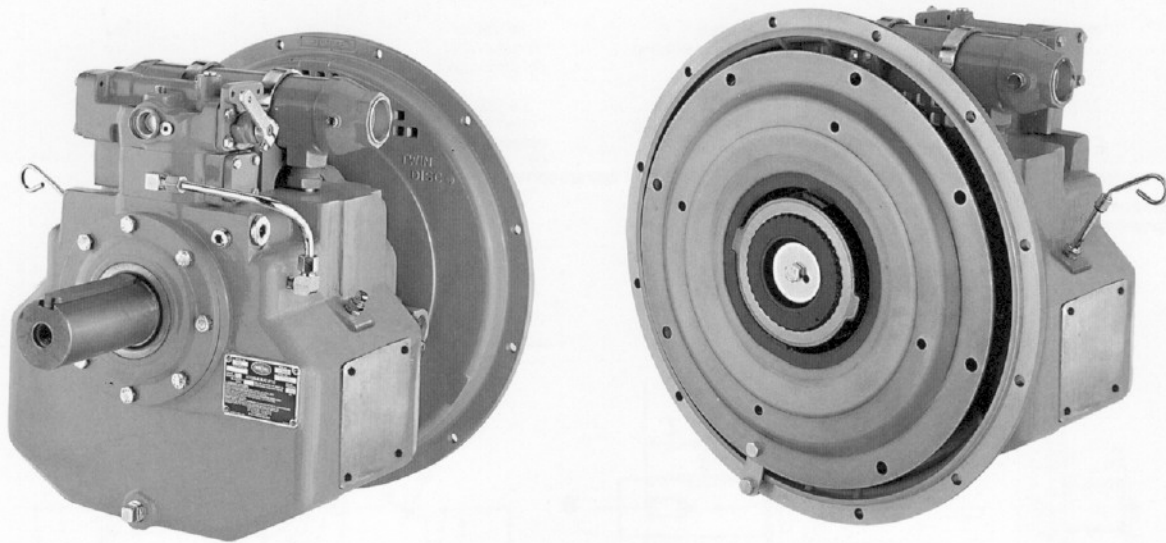




Hydraulic Power Take Off



A "Clutch" Performer

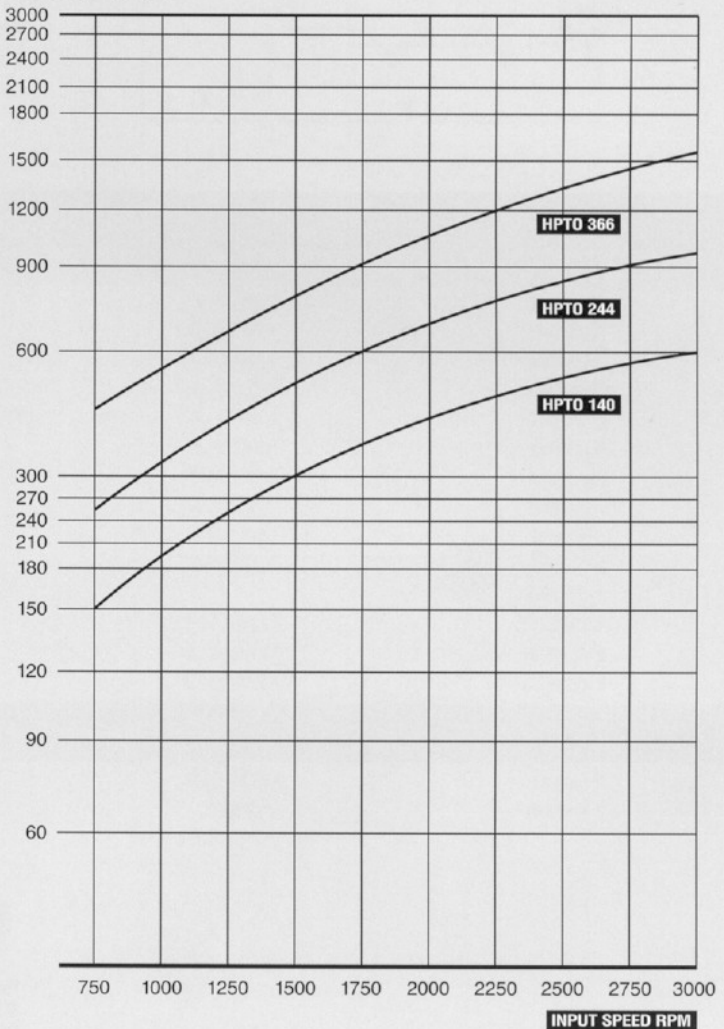
These Twin Disc units feature a self-adjusting hydraulically actuated clutch utilizing the same technology that makes Twin Disc transmissions so famous. The oil-filled, multiple-disc clutch gives them an extraordinary durability that means long life and low maintenance. With this system, the oil pressure is generated by a built-in hydraulic pump rotating at engine speed. To maximize efficiency, the hydraulic pump, which is on the primary shaft, rotates as soon as the engine is running.

Model Selection

To determine which HPTO model is suitable for your requirements, first calculate the adjusted horsepower by multiplying the net input horsepower by the appropriate service factor. The intersection of the net input speed and the adjusted horsepower must fall below the line on the graph. Please consult us in regards to your specific application.

APPLICATION	SERVICE FACTOR
Centrifugal pumps, propellers, hydraulic pumps, waterjets, generators, agitators	1
Elevators-buckets & machines with uniform loads	1.2
Piston pumps, bow thrusters	1.5
Winches, fans, blowers, mixers centrifugal compressors, conveyors	1.5
Rock crushers, mud pumps, wood chippers, compressors	2
Hammer mills, tub grinders	2.2

OUTPUT POWER HP

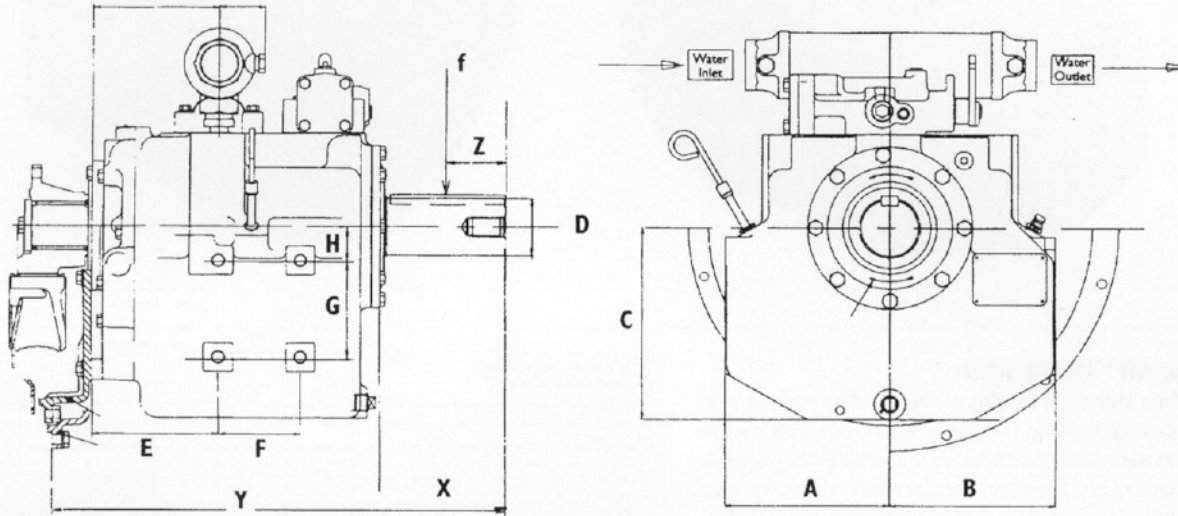


SPECIFICATIONS

Model	Max. Torque lb.ft/NM	Max. Speed RPM	Input Configuration	Clutch Operation	Oil Qty Gal./Litres	Cooling Water Flow Gal./L/min @ 50° C	Weight lb/Kg
140	1033/1400	3600	SAE 1, 2, 3 or free standing	24 Vdc or mechanical selector valve	2.9/11	21/80	300/135
244	1800/2440	3200	SAE 1, 2 or free standing	24 Vdc or mechanical selector valve	2.9/11	21/80	330/150
366	2700/3660	3000	SAE 1, 0 or free standing	24 Vdc or mechanical selector valve	4/15	21/80	415/188

Direction of rotation must be specified. HPTOs can operate in either direction, however they are not reversible without internal modifications.

Input coupling provided on SAE configured units. Size and style to match application.
Heat exchanger may be remote mounted.



DIMENSIONS

	HPTO 140	HPTO 244	HPTO 366
A (in/mm)	7.88/200.0	7.88/200.0	8.66/220.0
B (in/mm)	7.88/200.0	7.88/200.0	8.66/220.0
C (in/mm)	9.34/237.3	9.34/237.3	11.14/283.0
D (in/mm)	2.559/65 m6	2.755/70 m6	3.543/90 m6
E (in/mm)	5.98/151.9	5.98/151.9	2.68/68.0
F (in/mm)	3.94/100.0	3.94/100.0	7.09/180.0
G (in/mm)	4.72/120.0	4.72/120.0	7.09/180.0
H (in/mm)	1.67/42.3	1.67/42.3	3.86/98.0
I (in/mm)	5.97/151.6	5.97/151.6	4.74/120.3
X (in/mm)	4.46/113.2	5.71/145.0	5.71/145.0
Y (SAE 0)			25.63/651.0
Y (SAE 1)	21.08/535.5	21.68/550.7	25.63/651.0
Y (SAE 2)	20.52/521.3	22.04/559.8	
Y (SAE 3)	20.52/521.3		

SIDE LOAD @ Z POSITION

F (lb.ft/m)	3000/13,350	4400/19,600	6000/26,750
Z (in/mm)	2/51.0	2.875/73.0	2.8/71.0



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