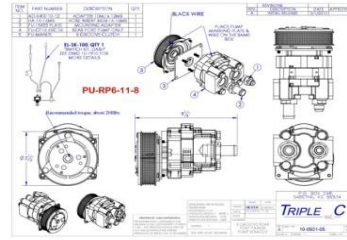


Hydra Bed Clutch Pump Performance

Hydra Bed Pump
Displacement in Cubic
Inches per Revolution



$$1.27 \times \text{RPM} / 231 \text{ cu.in./gallon} = \text{GPM}$$

Hydra Bed Clutch Pump RPM	Unrestricted Pump Flow in GPM	Estimated Horsepower Required at FULL system pressure of 2,500 PSI	Estimated Horsepower Required at 1,500 PSI pressure (approximate psi required to load typical 1,800# bale)
500 RPM	2.7 GPM	4.6 HP	2.7 HP
600 RPM	3.3 GPM	5.5 HP	3.3 HP
700 RPM	3.8 GPM	6.4 HP	3.8 HP
800 RPM	4.4 GPM	7.3 HP	4.4 HP
900 RPM	4.9 GPM	8.2 HP	4.9 HP
1000 RPM	5.5 GPM	9.2 HP	5.5 HP
1100 RPM	6.0 GPM	10.1 HP	6.0 HP
1200 RPM	6.6 GPM	11.0 HP	6.6 HP
1300 RPM	7.1 GPM	11.9 HP	7.1 HP
1400 RPM	7.7 GPM	12.8 HP	7.7 HP
1500 RPM	8.2 GPM	13.7 HP	8.2 HP
1600 RPM	8.8 GPM	14.7 HP	8.8 HP
1700 RPM	9.3 GPM	15.6 HP	9.3 HP
1800 RPM	9.9 GPM	16.5 HP	9.9 HP
1900 RPM	10.4 GPM	17.4 HP	10.4 HP
2000 RPM	11.0 GPM	18.3 HP	11.0 HP
2100 RPM	11.5 GPM	19.2 HP	11.5 HP
2200 RPM	12.1 GPM	20.2 HP	12.1 HP
2300 RPM	12.6 GPM	21.1 HP	12.6 HP
2400 RPM	13.2 GPM	22.0 HP	13.2 HP
2500 RPM	13.7 GPM	22.9 HP	13.7 HP
2600 RPM	14.3 GPM	23.8 HP	14.3 HP
2700 RPM	14.8 GPM	24.7 HP	14.8 HP
2800 RPM	15.4 GPM	25.7 HP	15.4 HP
2900 RPM	15.9 GPM	26.6 HP	15.9 HP
3000 RPM	16.5 GPM	27.5 HP	16.5 HP