

8 Technical Data

8.1 Engine

Machine		PT6Y
Engine		
Engine type		Four cylinder, 4-cycle, liquid cooled, diesel engine
Engine make		Yanmar
Engine model		3TNV80F-NXDWN1
Maximum rated power @ rated speed ¹	kW (hp)	18.4 (24.7) @ 3000 rpm
Alternator	A	45
Operating speed (maximum)	rpm	2700 ± 100
Operating speed (minimum)	rpm	1300 ± 100
Air cleaner	type	with RadialSeal™ Sealing Technology
Battery	V / size	12V / 40Ah
Battery	type	BCI GR34 or DIN75MF
Fuel	type	Diesel EN 590
Fuel tank capacity	L (gal)	90(23.8)

¹Net engine power rating per ISO 3046 IFN. Actual power output may vary due to conditions of specific use.

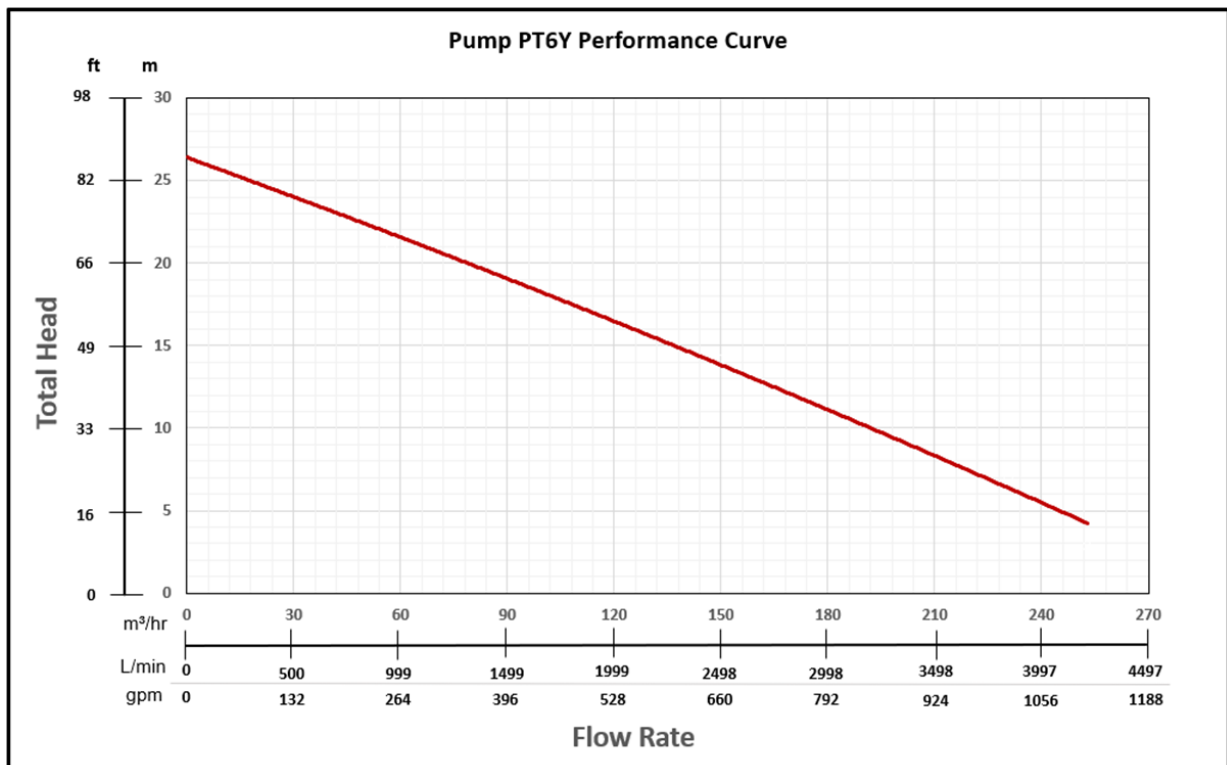
8.2 Pump

Machine		PT6Y
Pump		
Maximum suction lift ¹	m (ft)	7.5 (24.6)
Maximum discharge head	m (ft)	27(88.6)
Maximum flow rate ²	L/min (gpm)	4304 (1137)
Maximum pressure	bar (psi)	2.6(37.7)
Suction / discharge diameter	mm (in.)	152 (6)
Maximum solid size	mm (in.)	50 (2)

¹Based on pump operating at sea level. Maximum suction lift will be less at higher altitudes.

²Zero net head

8.3 Performance Curve



Test Standard: ISO 9906: 2012: Table 8-Pump Acceptance Grade 2B

8.4 Lubrication

Machine		PT6Y
Lubrication		
Engine	type / qty	SAE 10W30 CF rated / 3.3 L (3.5 qt)
Mechanical seal housing	type / qty	SAE 15W40 / 700ml (24 oz.)
Pump bearing housing	type / qty	SAE 15W40 / 400ml (14 oz.)

8.5 Trailer

Machine		PT6Y
Trailer		
Power take-off	type	Direct Drive with Flex-Coupling
Trailer tongue weight	kg (lb)	75 (165)
Gross vehicle weight rating (GVWR)	kg (lb)	870(1918)
Tire size		205 / 75-15
Tire load rating		C

8.6 Dimensions

mm (in.)

