

# HIDELS PUMPS

Powered by YANMAR

# DIESEL ENGINE

## Centrifugal pump



SEY-50D



SEY-80D



SEY-100D

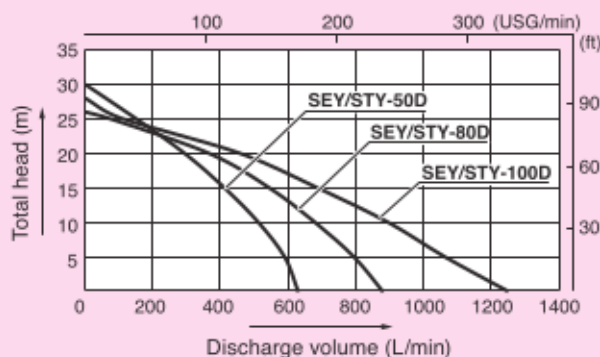
## Semi-trash pump



STY-80D

## Performance Curve

Centrifugal pump (Hidels pump),  
Semi-trash pump (SEY / STY series)



## Specifications

Model		SEY-50D	SEY-80D	SEY-100D	STY-50D	STY-80D	STY-100D	
Category		Self-priming, Centrifugal pump (Hidels pump)			Self-priming, Semi-trash pump			
Applicable liquids	Consistency	Clear water					Sandy and muddy water (suspended solids) *1	
	Suspended solid percentage	-					Suspended solid percentage 10 % *2	
	Max. solids size	5 mm (0.19 ")	7 mm (0.27 ")	9 mm (0.35 ")	8 mm (0.31 ")	9 mm (0.35 ")	9 mm (0.35 ")	
Temperature		5 °C – 40 °C (41 °F – 104 °F)						
Set	Fuel tank capacity	13 L (3.43 USG)					11 L (2.90 USG)	
	Tank size / Usage level	1 Strainer, 2 Hose coupling sets, 3 Hose bands, 1 Engine tool set						
Set	Accessories	-			1 Wrench			
	Net weight	44.7 kg (98.5 lbs)	46.7 kg (103.0 lbs)	67.0 kg (144.7 lbs)	45.1 kg (99.4 lbs)	47.7 kg (105.2 lbs)	68.6 kg (151.2 lbs)	
Pump	Gross weight	49.3 kg (108.7 lbs)	51.7 kg (114.0 lbs)	75.8 kg (167.1 lbs)	50.3 kg (110.9 lbs)	53.3 kg (117.5 lbs)	77.5 kg (170.9 lbs)	
	Product dimensions L x W x H (mm)	515 x 480 x 665		635 x 480 x 755	515 x 480 x 665		635 x 480 x 755	
	Connection dia	50 mm (2 ")	80 mm (3 ")	100 mm (4 ")	50 mm (2 ")	80 mm (3 ")	100 mm (4 ")	
	Connection thread	BSP						
Pump	Total head	30 m (98 ft)	26 m (85 ft)	28 m (91 ft)	30 m (98 ft)	26 m (85 ft)	28 m (91 ft)	
	Discharge volume	630 L/min(166 USG/min)	880 L/min(232 USG/min)	1250 L/min(330 USG/min)	630 L/min(166 USG/min)	880 L/min(232 USG/min)	1250 L/min(330 USG/min)	
	Max. suction head	8 m						
Engine	Type	Forced air-cooled 4-stroke diesel engine						
	Model	YANMAR L48N6		YANMAR L70N6	YANMAR L48N6		YANMAR L70N6	
	Exhaust volume	219 cc		320 cc	219 cc		320 cc	
	Rated output	3.1 kW (4.2 PS) / 3600 rpm		4.4 kW (6.0 PS) / 3600 rpm	3.1 kW (4.2 PS) / 3600 rpm		4.4 kW (6.0 PS) / 3600 rpm	
	Max. output	3.5 kW (4.7 PS) / 3600 rpm		4.9 kW (6.7 PS) / 3600 rpm	3.5 kW (4.7 PS) / 3600 rpm		4.9 kW (6.7 PS) / 3600 rpm	
	Fuel	Diesel fuel						
	Continuous operating time *3	Approx. 10.6 hrs		Approx. 7.7 hrs	Approx. 10.6 hrs		Approx. 7.7 hrs	
	Engine oil	API grade CD or above						
	Engine oil capacity	0.8 L		1.1 L	0.8 L		1.1 L	
	Starting method	Recoil starter						

\*1: Sandy and muddy water (suspended solids) are defined as debris "floating" within the water.

\*2: If the suspended solid percentage is higher, premature wear and failure will occur. To properly pump water with any debris, any solids must be in a suspension.

\*3: Figure when fuel is filled up to fuel limit position.