

## 1310M-65X.253.V87.400

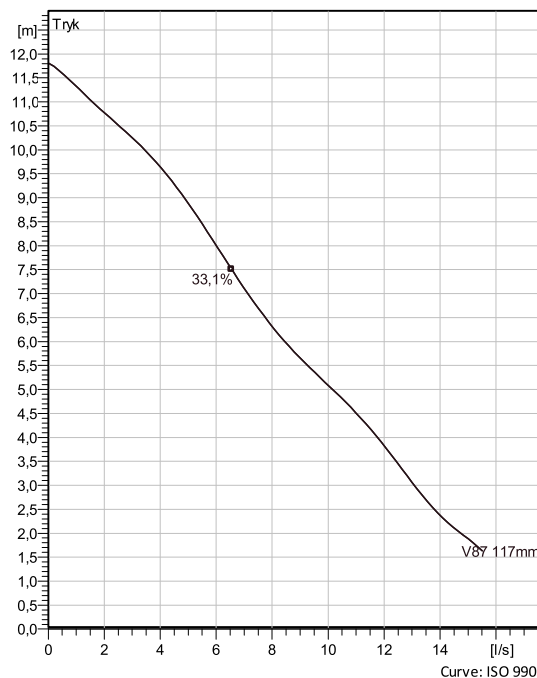
Submersible pumps for sewage and surface water within municipal and commercial building applications. Vortex impellers are ideal for large throughlet requirements and when light abrasives are present in the fluid.



### Teknisk specifikation



Curves according to: Vand, rent [100%], 4 °C, 1 kg/dm<sup>3</sup>, 1,569 mm<sup>2</sup>/s



### Konfiguration

**Motor number**  
D1310.181 13-10-2BB-W 2.4KW

**Installation**  
Wet well kit

**Impeller diameter**  
117 mm

**Discharge diameter**  
65 mm

### Pump information

**Impeller diameter**  
117 mm

**Discharge diameter**  
65 mm

**Inlet diameter**  
65 mm

**Maximum operating speed**  
2780 1/min

**Number of blades**  
6

**Throughlet diameter**  
65 mm

### Materials

**Pumpehjul**  
Gråt støbejern

Projekt  
Blok

Udført af  
Oprettet 4/15/2020

Opdateret

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## Teknisk specifikation



### Motor - General

<b>Motor number</b> D1310.181 13-10-2BB-W 2.4KW	<b>Faser</b> 3~	<b>Rated speed</b> 2780 1/min	<b>Mærkeeffekt</b> 2,4 kW
<b>Godkendelse</b> No	<b>Antal poler</b> 2	<b>Mærkestrøm</b> 5,1 A	<b>Stator variant</b> 1
<b>Frekvens</b> 50 Hz	<b>Mærkespæding</b> 400 V	<b>Isoleringsklasse</b> F	<b>Driftstype</b> S1

### Motor - Technical

<b>Motor cos phi - 1/1 Load</b> 0,86	<b>Motor efficiency - 1/1 Load</b> 79,7 %	<b>Total inertimoment</b> 0,0027 kg m <sup>2</sup>	<b>Max. starter pr. time</b> 15
<b>Motor cos phi - 3/4 Load</b> 0,80	<b>Motor efficiency - 3/4 Load</b> 82,6 %	<b>Startstrøm, direkte start</b> 27 A	
<b>Motor cos phi - 1/2 Load</b> 0,68	<b>Motor efficiency - 1/2 Load</b> 83,6 %	<b>Startstrøm, stjerne-trekant</b> 8,99 A	

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## Performance curve

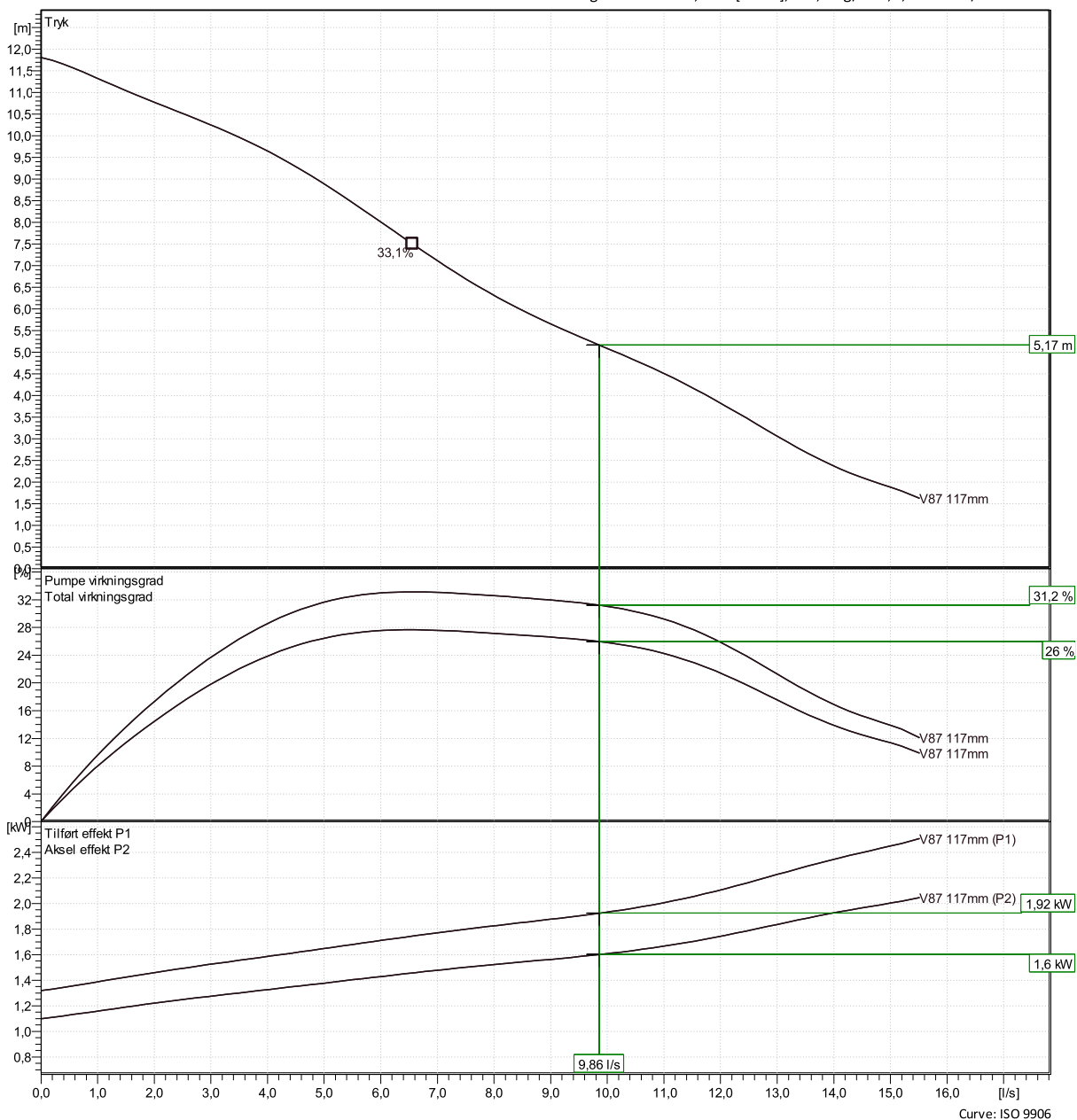


### Duty point

Flow  
9,86 l/s

Tryk  
5,17 m

Curves according to: Vand, rent [100%], 4 °C, 1 kg/dm<sup>3</sup>, 1,569 mm<sup>2</sup>/s



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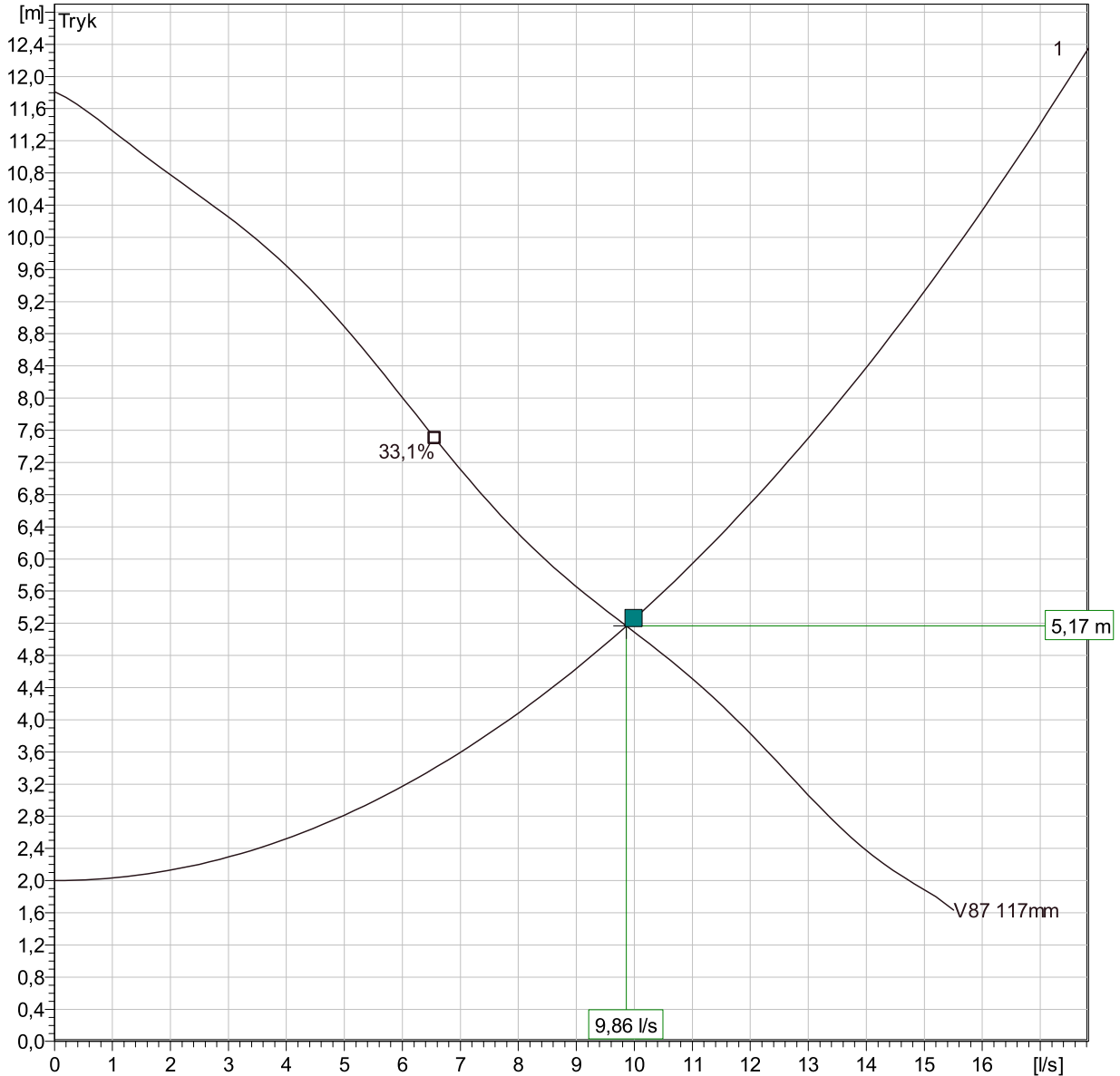
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## Duty Analysis



Curves according to: Vand, rent [100%], 4 °C, 1 kg/dm<sup>3</sup>, 1,569 mm<sup>2</sup>/s



Curve: ISO 9906

### Operating characteristics

/System	ndividual pumpe			Total			Pump eff.	Specific energi	NPSHre
	Flow	Tryk	Aksel effekt	Flow	Tryk	Aksel effekt			
1	9,86 l/s	5,17 m	1,6 kW	9,86 l/s	5,17 m	1,6 kW	31,2 %	5,42E-5 kWh/l	

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