



## DATA SHEET

Company		Date	03/09/2020
Project		Item	
		Ref No.	

### ECO SNT 100-250

Single stage, radially split, volute casing type conforming to EN 733 and EU 547

#### Operating Point Data

Capacity	: 198.1 m <sup>3</sup> /h	Power at Duty Point	: 68.8 kW
Head	: 98.1 m	Frequency	: 50 Hz
Efficiency (%)	: 75.1	Voltage	: 380 V
Impeller Diameter	: 264 mm	Motor Power	: 90.00 kW
NPSHr	: 3.6 m	Nominal Speed	: 2975 rpm
Shut Off Head	: 98.1 m		

#### Liquid Data

Liquid	: Water	Density	: 998.30 kg/m <sup>3</sup>
Temperature	: 20 °C	Viscosity	: 1.005 mm <sup>2</sup> /s

#### Pump Data

Design	: Single Stage, End Suction	Type of Coupling	: Standard
Installation	: Horizontal	Direction Of Rotation	: Clockwise from the drive end
Suction Flange	: EN 1092 PN 16-DN 125	Impeller Type	: Radial impeller
Discharge Flange	: EN 1092 PN 16-DN 100	Type of Bearing	: Closed Type Bearing
Pressure rating	: PN10	Type of Shaft Sealing	: Soft Packing

Minimum Efficiency Index (MEI) >= 0,4

#### Materials

Volute Casing	0.7040 / GGG40 / EN-GJS-400-15 / ASTM A536 60-40-18
Casing Cover	0.7040 / GGG40 / EN-GJS-400-15 / ASTM A536 60-40-18
Impeller	2.1050.01 / G-CuSn10 / ASTM B427 C90700
Shaft	1.4021 / X20Cr13 / ASTM A276 Type 420
Shaft Protecting Sleeve	-
Casing Wear Ring	-
Bearing Housing	0.6025 / GG25 / EN-GJL-250 / ASTM A48 Class 40B



**Operating Point Data**

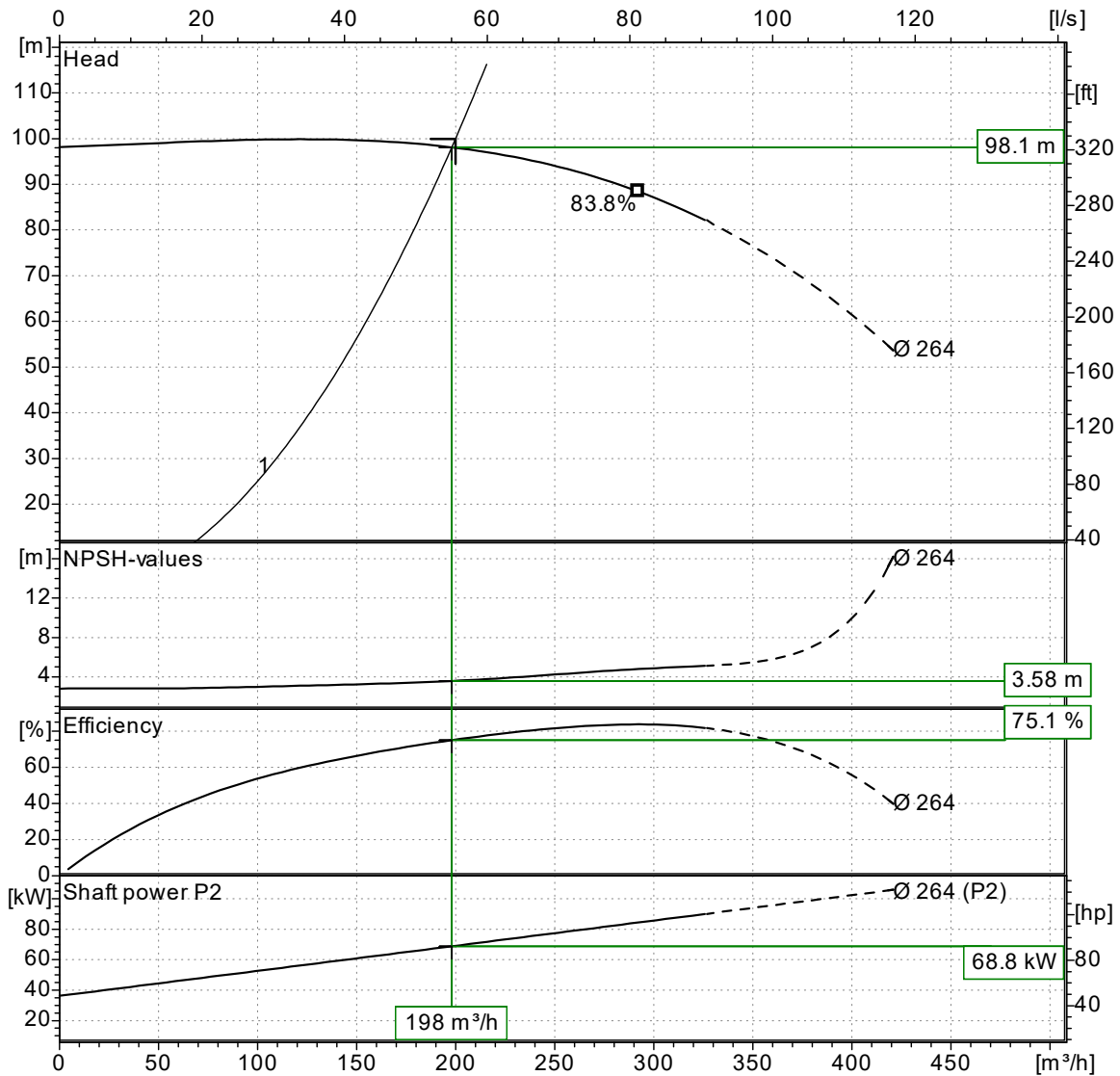
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**EFP-200-10E**

Single stage, radially split, volute casing type conforming to EN 733 and EU 547

Capacity: 198.1 m<sup>3</sup>/h  
 Head: 98.1 m  
 Efficiency (%): 75.1  
 Power at Duty Point: 68.8 kW  
 Viscosity: 1.005 mm<sup>2</sup>/s

NPSHr: 3.6 m  
 Motor Power: 90.00 kW  
 Nominal Speed: 2975 rpm  
 Frequency: 50 Hz  
 Density: 998.30 kg/m<sup>3</sup>



Curves compatible with ISO 9906:2012 Gr 3B  
 NPSHa > NPSHr + 1m  
 Note : The motor power is not sufficient for dotted area.