



## DATA SHEET

Company		Date	02/11/2020
Project		Item	
		Ref No.	

### ECO SNT 65-200

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

#### Operating Point Data

Capacity	: 120.0 m <sup>3</sup> /h	Power at Duty Point	: 17.2 kW
Head	: 40.0 m	Frequency	: 50 Hz
Efficiency (%)	: 75.8	Voltage	: 380 V
Impeller Diameter	: 190 mm	Motor Power	: 22.00 kW
NPSHr	: 3.7 m	Nominal Speed	: 2945 rpm
Shut Off Head	: 50.3 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 80	Impeller Type	: Radial impeller
Discharge Flange	: EN 1092 PN 16-DN 65	Type of Bearing	: Closed Type Bearing
Pressure rating	: PN10	Type of Shaft Sealing	: Soft Packing

Minimum Efficiency Index (MEI) >= 0,4

#### Materials

Volute Casing	0.6025 / GG25 / EN-GJL-250 / ASTM A48 Class 40B
Casing Cover	0.6025 / GG25 / EN-GJL-250 / ASTM A48 Class 40B
Impeller	2.1050.01 / G-CuSn10 / ASTM B427 C90700
Shaft	1.4021 / X20Cr13 / ASTM A276 Type 420
Bearing Housing	0.6025 / GG25 / EN-GJL-250 / ASTM A48 Class 40B



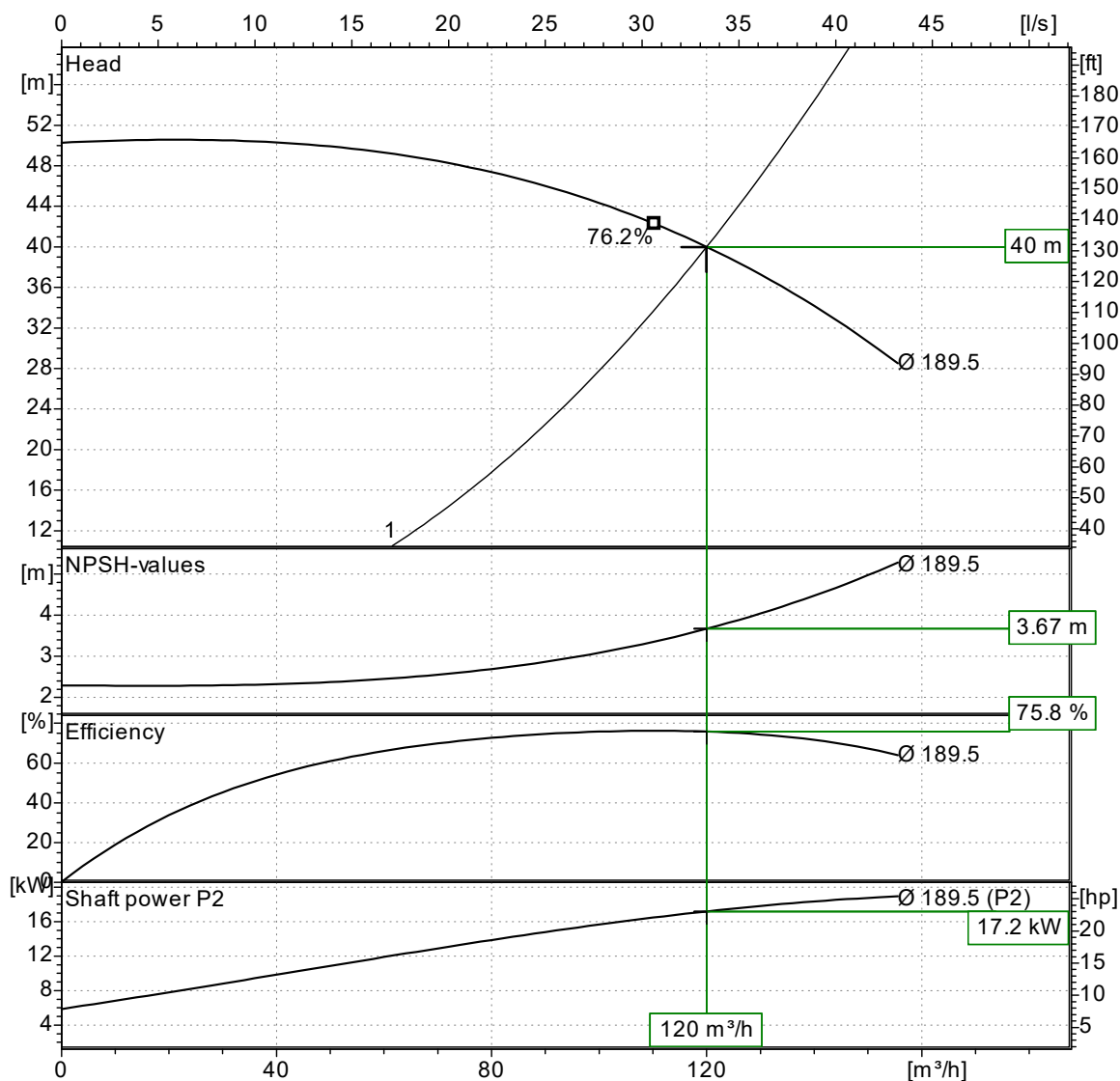
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Power at Duty Point:	17.2 kW	Frequency:	50 Hz
Viscosity:	1.005 mm <sup>2</sup> /s	Density:	998.30 kg/m <sup>3</sup>



Curves compatible with ISO 9906:2012 Gr 3B

NPSHa > NPSHr + 1m

Note : The motor power is not sufficient for dotted area.