

## 8.1 Technical data

Alfa Laval ref. 557968 rev. 0

Units according to ISO Standard.

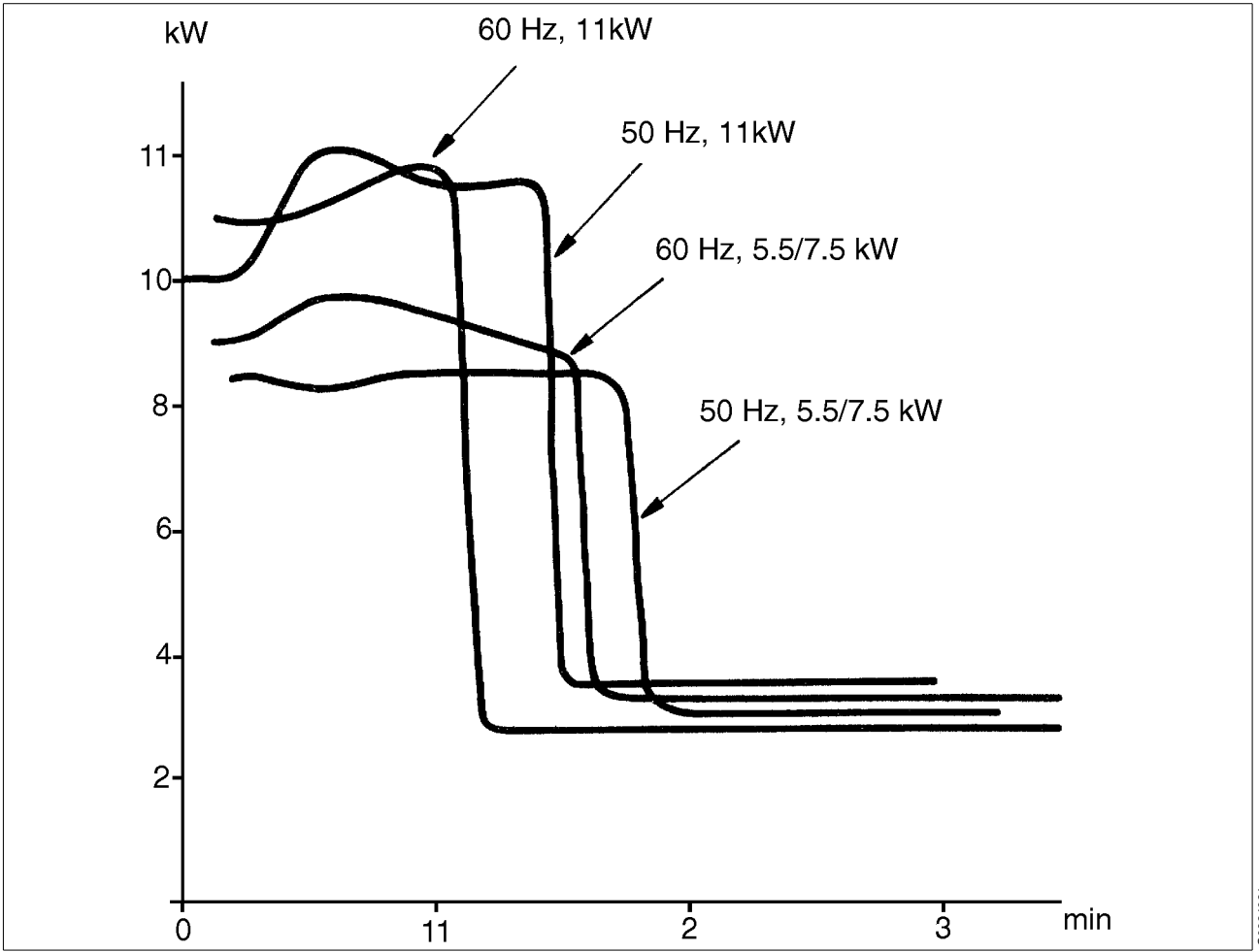
The manufacturer reserves the right to change specifications without notice.

<b>Product number</b>	881240-22-12
<b>Separator type</b>	MAB 206S-24
<b>Purpose</b>	Continuous purification of lubricating oils or low viscosity fuel oils from solid particles and water or continuous clarification of lubricating oils or low viscosity fuel oils from solid particles. The flash point of the oil to be separated must be minimum 60 °C.
<b>Hydraulic capacity</b>	Maximum 10,6 m <sup>3</sup> /h
<b>Process capacity</b>	Maximum oil flow at the maximum permissible oil density 991 kg/m <sup>3</sup> at 15 °C. The density is preferably measured at 50 °C according to ASTM method D 1298-80 and corrected to 15 °C according to ASTM tables D 1250-80. <i>Fuel oils, diesel engine</i> <ul style="list-style-type: none"><li>Distillate: Maximum oil flow Viscosity 1,5-5,5 cSt/40 °C 9,9 m<sup>3</sup>/h</li><li>Marine Diesel Oil: Maximum oil flow Viscosity 13 cSt/40 °C 7,1 m<sup>3</sup>/h</li></ul> <i>Lubricating oils, by-pass treatment, optimum</i> <ul style="list-style-type: none"><li>R &amp; O type: Maximum oil flow Crosshead diesel 3,7 m<sup>3</sup>/h</li><li>Detergent: Maximum oil flow Crosshead diesel 3,2 m<sup>3</sup>/h Trunk piston diesel 2,1 m<sup>3</sup>/h</li><li>Steam turbine: Maximum oil flow At 55 °C 4,9 m<sup>3</sup>/h At 70 °C 7,8 m<sup>3</sup>/h</li></ul>
<b>Max. density of sediment</b>	1600 kg/m <sup>3</sup>
<b>Max. density of feed</b>	991 kg/m <sup>3</sup> , (mechanical safety max. 1100 kg/m <sup>3</sup> )

<b>Feed temperature</b>	Minimum 0°C Maximum +100 °C	
<b>Ambient temperature</b>	Minimum +5°C Maximum +55 °C	
<b>Motor (without pump)</b>	4-pole 5,5 kW standard motor, 50 or 60 Hz, 3-phase. Direct on-line start.  If Y/D-start is used maximum 5 seconds in Y position.	
<b>Motor (with pump)</b>	4-pole 12 kW standard motor, 50 or 60 Hz, 3-phase. Direct on-line start.  If Y/D-start is used maximum 5 seconds in Y position.	
<b>Power consumption</b>	Idling	3,3 kW
	Running (at max. capacity)	8 kW
	Max. power consumption	10/12 kW (at starting-up, 5,5/12 kW motor)
<b>Speed</b>	The prescribed speed of the bowl spindle which must not be exceeded, is stamped on the name plate of the machine.	
		<b>50 Hz</b> <b>60 Hz</b>
	Gear ratio	73:13                      70:15
	Motor shaft (rev/min)	1500                      1800
	Revolution counter (rev/min)	118-125                      142-150
	Bowl (rev/min)	8423                      8400
<b>Starting time</b>	1,2 - 2 minutes	
<b>Stopping time</b>	Running down with brake applied	3-4 minutes
	Without brake	24 minutes (average)
<b>Maximum running time without flow</b>	Empty bowl	480 minutes
	Filled bowl	480 minutes
<b>Inlet pump, built-on</b>	Capacity	50 Hz                      60 Hz
	538718-81	8,54 m <sup>3</sup> /h                      10,25 m <sup>3</sup> /h
	538718-83	4,35 m <sup>3</sup> /h                      5,22 m <sup>3</sup> /h
	Suction lift	Max. 4 m wg (manometric)
	Delivery head	Max. 15 m wg (manometric)
<b>Sludge and water space volume</b>	3,44 litres	
<b>Required water quality</b>	Fresh water	
<b>Lubrication</b>	See "8.7.1 Lubrication chart, general" on page 161.	

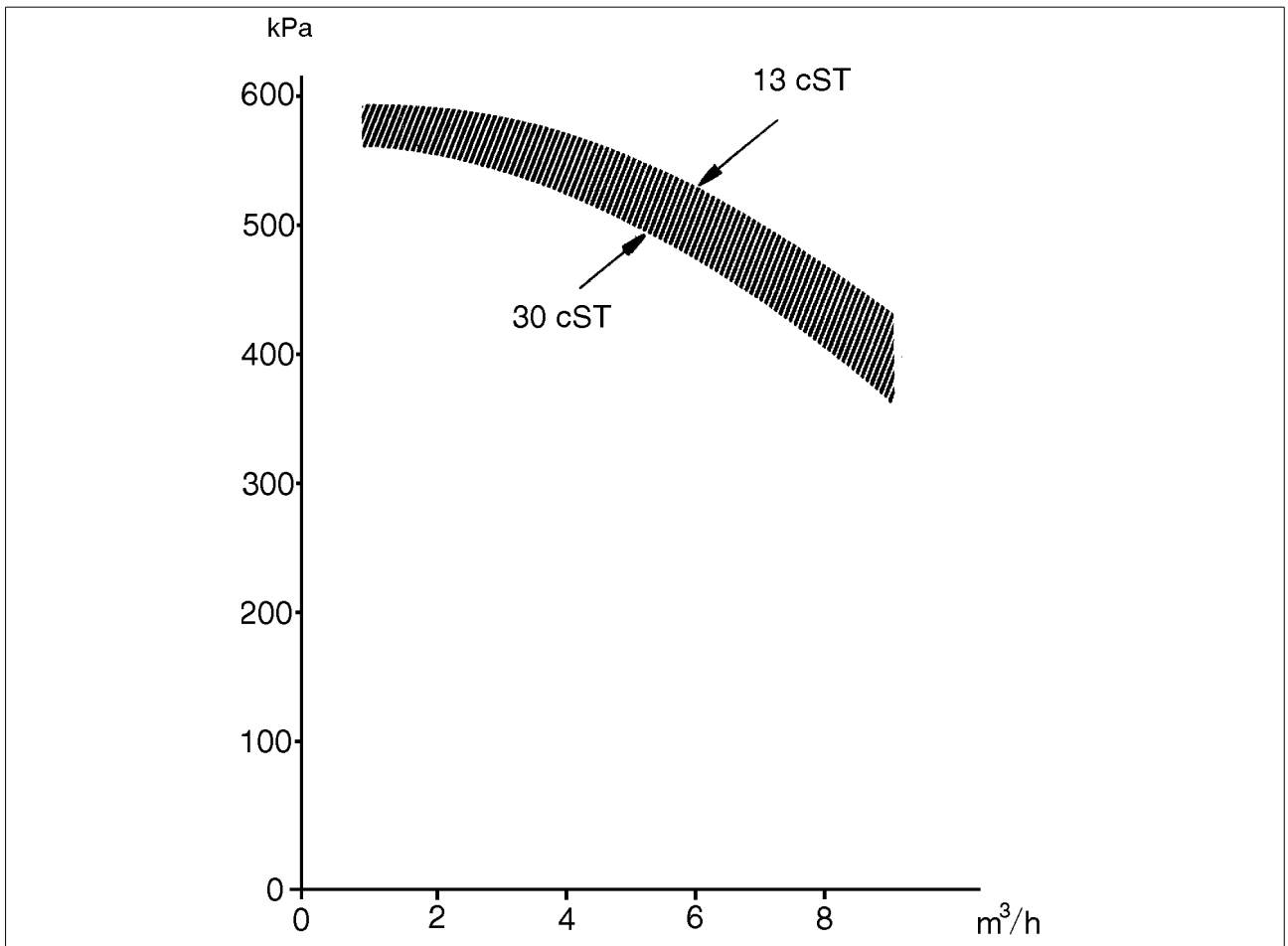
<b>Lubricating oil volume</b>	4 litres	
<b>Weight</b>	Separator without motor	Net weight approx. 334 kg.
	Motor 5,5 kW	Approx. 40 kg.
	Motor 12 kW	Approx. 72 kg.
	Complete bowl	Approx. 65 kg.
<b>Shipping data</b>	According to "Basic equipment"	
	Weight	520 kg (Net 400 kg)
	Volume	1,25 m <sup>3</sup>
<b>Sound power level</b>	9 Bel(A) ISO 3744	
<b>Sound pressure level</b>	75 dB(A) ISO 3744	
<b>Vibration level</b>	Max. for separator in use	9 mm/sec (RMS)
<b>Materials</b>	Bowl spindle, lock ring	Steel
	Frame, lower and upper parts	Cast iron ("Centriblue" finish <sup>1</sup> )
	Collecting cover	Aluminium
	Bowl body and hood, disc stack, gravity disc	Stainless steel
	Sludge basket	Stainless steel
	Other bowl parts	Tinned steel, bronze, brass
	Other inlet and outlet parts	Tinned steel, bronze, brass and cast iron

<sup>1</sup>)An epoxy enamel



Power consumption at startup, power input vs time.

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*Paring disc pressure characteristics. Back pressure vs flow.*

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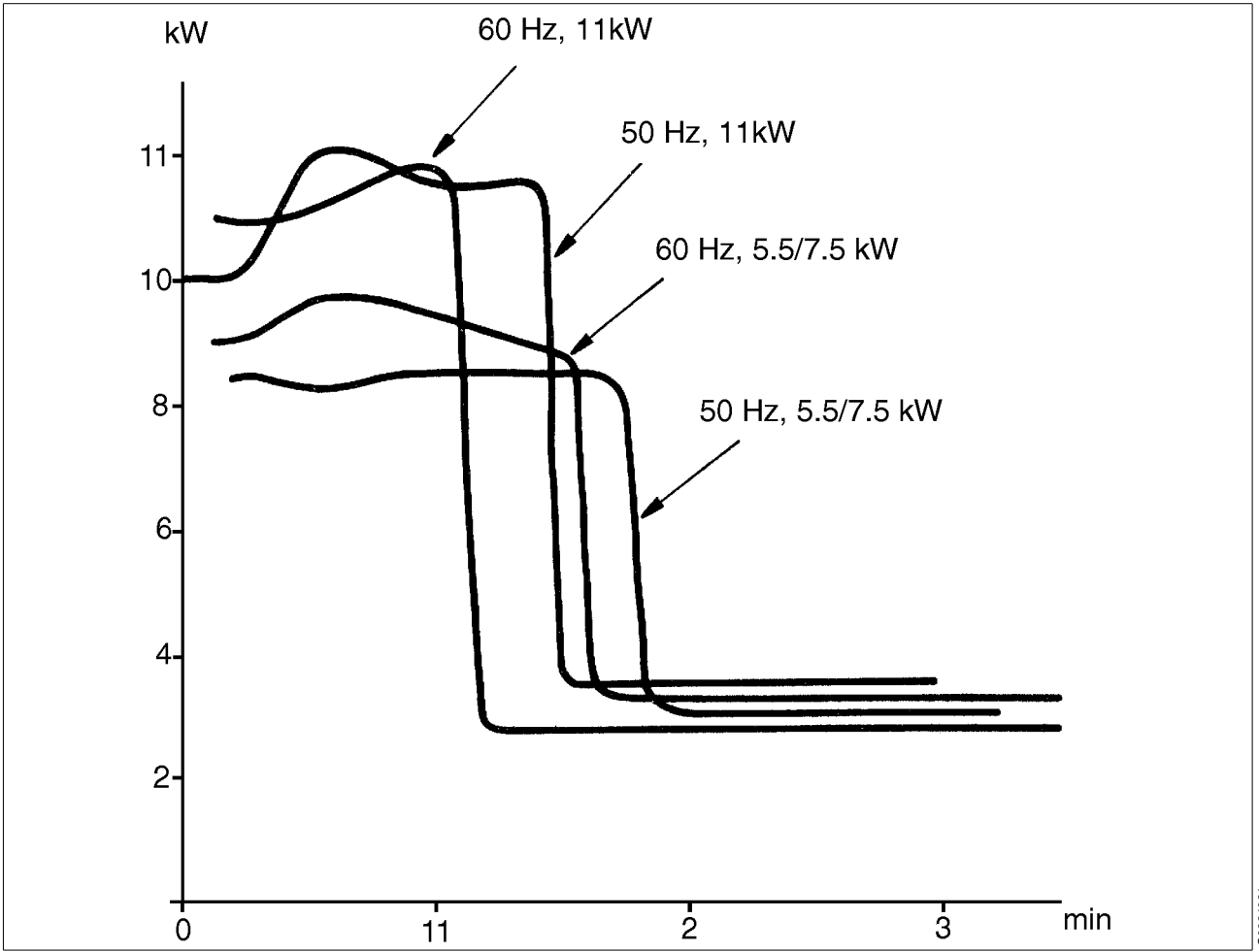


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	Weight	520 kg (Net 400 kg)
	Volume	1,25 m <sup>3</sup>
<b>Sound power level</b>	9 Bel(A) ISO 3744	
<b>Sound pressure level</b>	75 dB(A) ISO 3744	
<b>Vibration level</b>	Max. for separator in use	9 mm/sec (RMS)
<b>Materials</b>	Bowl spindle, lock ring	Steel
	Frame, lower and upper parts	Cast iron ("Centriblue" finish <sup>1</sup> )
	Collecting cover	Aluminium
	Bowl body and hood, disc stack, gravity disc	Stainless steel
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