

General data	
AL Spec. N°	AT031013A-0
Customer spec. ref n°	0
Ship yard	
Hulls n°	
Quantity of system	1
System configuration	PA 600
Duty	MDO
Frame Colour	Alfa Laval Std. M. Blue C 310
Class society	n.a.

Separation process data	
Fluid type	Marine diesel oil
Fluid grade	13cSt/40°C
Request flow rate (each separator)	1350 l/h
Max recommend flow rate (each separator)	1350 l/h
Separation temperature	40°C

Electrical data	
Mains supply voltage	3x380 V ± 10%
EPC aux.supply voltage	230V ± 10%
Control voltage, operating	24 V AC (internal generated)
Frequency	50 Hz ± max. 5%
Power consumption each starter	Max. 5kW, -00A (including feed pump)
Enclosure class	Min. IP 54

Heating System data	
Process oil heating	20 °C - 40 °C
Heating media	n.a.
Heating power requested	n.a.
Heating media flow	n.a.
Heater pressure drop	n.a.

Each system composed by:

Qty.	Separation System Unit	
	Main Components item	
1	Separator type	P 600
1	Electric motor type	ABB -- M2AA 100 L -- Power: 2,2 kW
1	Starter for separator and pump	
1	Program Control unit EPC-50	<i>Signals for ECR :</i> A - Separator running (free contact) B - Feed pump running (free contact) C - Common alarm (cumulative free contact)
1	Pneumatic change-over Valve	V1
3	Pressure transmitters	PT1/PT4/PT5
1	Temperature transmitter PT-100	TT1-TT2
3	Pressure gauges	PI
	Needle Valve	
1	Valve blocks for operating air	SV-1/SV-2/SV-3
1	Valve blocks for operating water	SV-10/SV-15/SV-16
1	Valves, block and mounting parts	

Qty.	Pumping System Main Components item	Loose Supply
1	Positive displacement IMO pump type ACP Pump flow * Speed Max. manometric suction head at pump inlet Max discharge pressure Built-on safety valve opening set Pump house material Screw material E. Motor ABB power Enclosure Insulation	032L xxx l/h xxx RPM 0 meter WG 400 kPa (4 bar) 0,4 MPa (4 bar) Nodular cast iron Steel and cast iron 0,xx kW IP 55 Acc. to class F
	<p>Positive displacement pump of screw type with three screws which rotates in a surrounding casing. The pump is equipped with a spring loaded pressure relief valve with a fixed opening pressure. The shaft seal is of mechanical seal type. The sealing surface is lubricated by the pump liquid. The pump is equipped with an ABB flanged marine standard electric motor. * (calculated for a fluid viscosity of 13 cSt/40°C)</p>	
1	Ball valves flanged type DN40	Loose Supply
1	Suction strainer 800 micron flanged type DN40	Loose Supply
1	Set of Pressure Indicators for Pump	Loose Supply