



TRAFO OIL COOLER – DATA SHEET

Date	03/05/2018
Customer / Project	Siemens Weiz / EDF-WA6800820-822
Reference	Offer 18_703 Rev 2

Operating Mode	Oil	Unit type	Alfablue Oil Cooler Medium	Model	BOC6S803CDY90I
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Required Capacity	277 kW	Altitude (a.s.l.)	< 100 m
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Preliminary Dimensions

Height	~ 3.6 m	Weight	~ 950 kg
Length	~ 1.6 m	Packing	Container skid + OSB panel + Nitrogen Filling
Depth	~ 1 m		

Thermal Data

Air Temperature	20 °C	Fluid temperature in/out	64.5 °C / 57.5 °C
Fluid	Nynas Nytro 10XN	Fluid pressure drop	30 kPa
Fluid flow rate	80 m³/h		

Fan data

Total Air flow:	10,5 m³/s	Number of Fans	3
Rotation speed	845 rpm	Voltage / Power Supply / Frequency	400 V / 3 ph / 50 Hz
Each Fan Nominal Power	0,77 kW	Connection	Y
ErP 2015	Yes	Protection class	IP55

Each Cooler Sound Power Level	84 dB(A) + 0 db(A) tolerance
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Coil data

Tube material	Copper	Fin material	Industrial Aluminium
Coil Protection Material	ECoat	Internal Volume	127 litres
Connections (In-Out)	1XDN100 - 1XDN100	Connection Side	Same

Frame and casework

Case material	HDG C4-H + C5M-High durability Painting (painting according to PWY15C01-009-5200TIED_RevC_BPE_CorrProt.pdf)
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PRELIMINARY STANDARD DRAWING

Attached reference drawing with preliminary dimensions, interfaces and details (brackets mounting holes Alfa Laval execution is ok).

Customized and dedicated cooler drawing (dwg and 3D) for approval to be issued in case of order receipt.

Customized and dedicated filter drawing to be issued in case of order receipt.

Customized and dedicated electrical scheme drawing for approval to be issued in case of order receipt.

NET PRICE

Description	NP (eur)
Each Unit according to design	As per Commercial Offer
Ecoat coil protection treatment	Included
Flanges DN100 PN10 acc DIN1092-1 type 01 – facing type A or B	Included
Venting and Draining DIN 42558-12-1.4301	Included
Casing painted C5M-High RAL7035 (acc. to PWY15C01-009-5200TIED_RevC_BPE_CorrProt.pdf)	Included
Brackets HDG (ISO 1461) painted C5M-High RAL7035 (acc. to PWY15C01-009-5200TIED_RevC_BPE_CorrProt.pdf)	Included
AISI 304 removable Filter (reinforced) Square mesh pitch 2,18mm wire 0.6mm	Included
Ground connection M12 SS (top surface and threaded connection NOT painted)	Included
Mechanical grounding	Included
Metal label acc. EN 50216-10 French version	Included
Metal fan numbering labels	Included
Bolts & nuts SS A4	Included
Insulated Connection Box IP67 (including cable glands and terminals for pump)	Included
Wiring between CB and fans motor	Included
Plastic labelling inside CB on terminals	Included
1,5m extra cable available for pump	Included
Fans motor 3ph/400V/50Hz	Included
Fans motor version F4-2 A4 bolts & nuts suitable for C5 environment	Included
Fans motor IP55	Included
Fans motor Insulated (2kVx90sec)	Included
Cable HN 33-S-34 , 7x1.5mm ² , EMC black Ø18.1mm, -20/+70°C by Nexans	Included
Extra cable for pump	Included
Container Skids	Included
OSB protective panel for shipment	Included
Blind flanges with Nitrogen filling for transport	Included
Special manifold cleaning test according to Alfa Laval specification DIA-2794	Included
Warm Oil flushing test (4h, 2 bar absolute, 60-70°C) ≤ ISO 12/10/07 with report	Included
Pressure test (Alfa Laval standard) with report	Included
Control Factory Plan	Included
Ecoat test report (according to supplier standard)	Included
Paint coating test report	Included
Electrical continuity test (EN60204)	Included
Overspeed type test 2 min @ 120% with report	Included
Motor fan test (vibration, electrical consumption) with report	Included
High voltage test (2kV, 90sec) with report	Included
3.1 Certificates (for pressure retaining parts only)	Included
Final documentation binder for the whole project	Included
Cooler manual in English and French	Included
Filter instruction manual in English and French	Included
Declaration of conformity (Annex II 1.B "Machinery" Directive 2006/42/EC)	Included
Fan's operating instructions	Included
Inspector and brusher licences	Included
EO development cost (not depending by n° of units ordered in the project)	Included
Hinged Fans	As per Commercial Offer
Spare Part Kit (1fan)	As per Commercial Offer

