

Data Sheet

Machine: Steam Condenser	Manufacturer: Hamon	Type: air cooled/single row
Serial number: <input style="width: 100%;" type="text"/>	n° of items: 1	Year: 2000

Exhaust Steam flow: 199 ton/h	Exhaust Steam enthalpy: 543 kcal/kg
Condensing Pressure: < 0,09 bara	
Thermal duty design: 115,6 MW	
ambient temperature: 15°C	Tube exhaust steam: 4200 mm
Condenser modules: 12 (3 row with 4 modules)	Heat transfer surface:
files: 3	with simple tubes: 20000 m2
number of modules per file: 4	with finned tubes: 320000 m2
Number of fan: 12	number of tubes: 4560
Fan speed design: 51,5 rpm	length of tube: 10/9 m
Air quantity per fan: 355 m3/sec	thickness: 1,5 mm
fan diameter: 9,14 m	
fan position: horizontal	number of steam collectors: 3
flow direction: upwards	diameter collector: 2300 mm
static pressure: 56 Pa	thickness: 9 mm
number of blades: 8	number of Motors: 12
power for each fun: 39,7 kW	rated power: 55 Kw
	rated voltage: 380 V
	phases: 3
	isolation class: F
condensar tank: 45 m3	
<u>Materials:</u>	
tubes material: carbon steel with plating in Al/Si	<u>Weights:</u>
Steam Collectors: carbon steel	Condenser: 496 ton
Fun Material: FRP	auxiliares: 106 ton
	structures: 420 ton
	Total: 1022 ton