

HEI SURFACE CONDENSER DATA SHEET

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|------------------------------------|---|----------------------------|---------------------------|---------------------------|---------------------------|-------------|
| 1 | Manufacturer: | | | | | |
| 2 | Customer / Project: | | | | | |
| 3 | Plant Location: | | | | | |
| 4 | Specification No: | | | Item: | | |
| 5 | Date: | | | Revision: | | |
| Design Conditions (Thermal) | | | | | | |
| 6 | Shell Side | | | Tube Side | | |
| 7 | Total Duty: | MMBtu/hr | Source of Water: | | | |
| 8 | Steam Inlet: | lbs/hr | Cooling Water Flow: | USGPM | | |
| 9 | Non Condensables: | lbs/hr | Temp. Water In: | °F | | |
| 10 | U - Service: | Btu/hr-ft ² -°F | Temp. Water Out: | °F | | |
| 11 | Saturation Temp.: | °F* | Number of Passes: | | | |
| 12 | Condensate Temp.: | °F* | Water Velocity: | ft/sec | | |
| 13 | LMTD : | °F | Pressure Drop: | ft water | | |
| 14 | Operating Pressure: | in-Hga* | Cleanliness Factor: | | | |
| 15 | Eff. Surface Area: | ft ² | Specific Heat: | | | |
| 16 | | | Specific Gravity: | | | |
| 17 | Remarks: * - Guarantee Point, Oxygen Guarantee per HEI | | | | | |
| Construction (Mechanical) | | | | | | |
| 18 | Shell side | | | Tube Side | | |
| 19 | Design Pressure: | psig | Design Pressure: | psig | | |
| 20 | Design Temperature: | °F | Design Temperature: | °F | | |
| 21 | Test Pressure: | psig | Test Pressure: | psig | | |
| 22 | Water Box | | | | | |
| 23 | Type: | Number per shell: | | | | |
| 24 | Plate Material (ASTM): | | | | | |
| 25 | Thickness: | in. | Corrosion allowance: | in. | | |
| 26 | Manways (Qty): | Size: in. | | | | |
| 27 | Circwater Inlet (Qty): | Size: in. | | | | |
| 28 | Circwater Outlet (Qty): | Size: in. | | | | |
| 29 | Drains (Qty): | Size: in. | | | | |
| 30 | Vents (Qty): | Size: in. | | | | |
| 31 | Waterbox Internal Coating: | | | Cathodic Protection Type: | | |
| 32 | Hotwell | | | | | |
| 33 | Thickness: | in. | Plate Material (ASTM): | | | |
| 34 | Normal Liquid Level: | in. | Capacity: | ft ³ | | |
| 35 | Maximum Liquid Level: | in. | Capacity: | ft ³ | | |
| 36 | Condensate Outlet Size: | in. | Condensate Outlet Number: | | | |
| 37 | Shell | | | | | |
| 38 | Thickness: | in. | Plate Material (ASTM): | | | |
| 39 | Air offtake (Qty): | Size: in. | | | | |
| 40 | Transition / Extended Neck | | | | | |
| 41 | Thickness: | in. | Plate Material (ASTM): | | | |
| 42 | Exhaust Opening Dimensions: | | | in. | | |
| 43 | Expansion Joint Type: | | | | | |
| 44 | Tubes | Quantity | Material (ASTM) | Dia. (in.) | Gauge | T.T.L. (ft) |
| 45 | Condensing Zone | | | | | |
| 46 | Air Cooling Zone | | | | | |
| 47 | Impingement Zone | | | | | |
| 48 | Tubesheet | Quantity | Material (ASTM) | Thk. (in) | | |
| 49 | | | | | | |
| 50 | Support Plates | Quantity | Material (ASTM) | Thk. (in) | Spacing Max. / Min. (in.) | |
| 51 | | | | | | |
| 52 | Weights (lbs.) | | | | | |
| 53 | Empty: | Operating: | | Shell Side Hydrotest: | | |
| 54 | Notes: | | | | | |
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