**Technical Specifications : Vapour Absorption CHILLER**

|  |  |  |  |
| --- | --- | --- | --- |
| ${client} | ${client\_name} | ${version} | ${current\_version} |
| ${enquiry} | ${enquiry\_name} | ${date} | ${date\_time} |
| ${project} | ${project\_name} | ${model} | ${model\_name} |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **${description}** | | **${unit}** |  |
|  | **${capacity} ( + 3 %) :** | | **${capacity\_unit}** | ${capacity\_value} |
|  | | | | |
| **A** | **${ch\_water\_circuit} :** | | | |
|  | ${ch\_water\_flow} | | ${ch\_water\_flow\_unit} | ${ch\_water\_flow\_value} |
|  | ${ch\_in\_temp} | | ${ch\_in\_unit} | ${ch\_in\_value} |
|  | ${ch\_out\_temp} | | ${ch\_out\_unit} | ${ch\_out\_value} |
|  | ${evaporator\_passes} | | No. | ${evaporator\_pass\_value} |
|  | ${ch\_pressure\_loss} | | ${ch\_pressure\_loss\_unit} | ${ch\_pressure\_loss\_value} |
|  | ${ch\_conn\_dia} | | ${ch\_conn\_dia\_unit} | ${ch\_conn\_dia\_value} |
|  | ${glycol} | |  | ${glycol\_value} |
|  | ${ch\_glycol} % | | % | ${ch\_glycol\_value} |
|  | ${ch\_fouling\_factor} | | ${ch\_fouling\_factor\_unit} | ${ch\_fouling\_factor\_value} |
|  | ${ch\_max\_working\_pressure} | | ${ch\_max\_working\_pressure\_unit} | ${ch\_max\_working\_pressure\_value} |
|  | | | | |
| **B** | | **${hot\_water\_circuit}:** | | | |
|  | ${heat\_duty} | | ${heat\_duty\_unit} | ${heat\_duty\_value} |
|  | ${hot\_water\_flow} (+/-3%) | | ${hot\_water\_flow\_unit} | ${hot\_water\_flow\_value} |
|  | ${hot\_water\_in\_temp} | | ${hot\_water\_in\_temp\_unit} | ${hot\_water\_in\_temp\_value} |
|  | ${hot\_water\_out\_temp} | | ${hot\_water\_out\_temp\_unit} | ${hot\_water\_out\_temp\_value} |
|  | ${side\_arm\_passes} | | No. | ${side\_arm\_passes\_value} |
|  | ${hot\_water\_pressure\_loss} | | ${hot\_water\_pressure\_loss\_unit} | ${hot\_water\_pressure\_loss\_value} |
|  | ${hot\_water\_conn\_dia} | | ${hot\_water\_conn\_dia\_unit} | ${hot\_water\_conn\_dia\_value} |
|  | ${hw\_max\_working\_pressure} | | ${hw\_max\_working\_pressure\_unit} | ${hw\_max\_working\_pressure\_value} |
|  | | | | |
| **C** | | **${co\_water\_circuit}:** | | | |
| 1. | ${heat\_rejected} | | ${heat\_rejected\_unit} | ${heat\_rejected\_value} |
| 2. | ${co\_water\_flow} | | ${co\_water\_flow\_unit} | ${co\_water\_flow\_value} |
| 3. | ${co\_in\_temp} | | ${co\_in\_unit} | ${co\_in\_value} |
| 4. | ${co\_out\_temp} | | ${co\_out\_unit} | ${co\_out\_value} |
| 5. | ${abs\_con\_pass} | | No. | ${abs\_pass\_value}/${con\_pass\_value} |
| 6. | ${co\_bypass\_flow} | | ${co\_bypass\_flow\_unit} | ${co\_bypass\_flow\_value} |
| 7. | ${co\_pressure\_loss} | | ${co\_pressure\_loss\_unit} | ${co\_pressure\_loss\_value} |
| 8. | ${co\_conn\_dia} | | ${co\_conn\_dia\_unit} | ${co\_conn\_dia\_value} |
|  | ${glycol} | |  | ${glycol\_value} |
|  | ${co\_glycol} % | | % | ${co\_glycol\_value} |
|  | ${co\_fouling\_factor} | | ${co\_fouling\_factor\_unit} | ${co\_fouling\_factor\_value} |
|  | ${co\_max\_working\_pressure} | | ${co\_max\_working\_pressure\_unit} | ${co\_max\_working\_pressure\_value} |
|  | | | | |
| **D** | **${steam\_circuit} :** | | | |
|  | ${heat\_input} | | ${heat\_input\_unit} | ${heat\_input\_value} |
|  | ${steam\_pressure} | | ${steam\_pressure\_unit} | ${steam\_pressure\_value} |
|  | ${steam\_consumption} ( + 3 %) | | ${steam\_consumption\_unit} | ${steam\_consumption\_value} |
|  | ${condensate\_drain\_temperature} | | ${condensate\_drain\_temperature\_unit} | ${condensate\_drain\_temperature\_min\_value} – ${condensate\_drain\_temperature\_max\_value} |
|  | ${condensate\_drain\_pressure} | | ${condensate\_drain\_pressure\_unit} | ${condensate\_drain\_pressure\_value} |
|  | ${connection\_inlet\_diameter} | | ${connection\_inlet\_diameter\_unit} | ${connection\_inlet\_diameter\_value} |
|  | ${connection\_drain\_diameter} | | ${connection\_drain\_diameter\_unit} | ${connection\_drain\_diameter\_value} |
|  | ${design\_pressure} | | ${design\_pressure\_unit} | ${design\_pressure\_value} |
|  | | | | |
| **E** | **${electrical\_data} :** | | | |
| 1. | ${power\_supply} | |  | ${power\_supply\_value} |
| 2. | ${power\_consumption} | | kVA | ${power\_consumption\_value} |
| 3. | ${absorbent\_pump\_rating} | | kW (A) | ${absorbent\_pump\_rating\_kw\_value} (${absorbent\_pump\_rating\_amp\_value}) |
| 4. | ${refrigerant\_pump\_rating} | | kW (A) | ${refrigerant\_pump\_rating\_kw\_value} (${refrigerant\_pump\_rating\_amp\_value}) |
| 5. | ${vacuum\_pump\_rating} | | kW (A) | ${vacuum\_pump\_rating\_kw\_value} (${vacuum\_pump\_rating\_amp\_value}) |
| 6. | MOP | |  | ${mop\_value} |
| 7. | MCA | |  | ${mca\_value} |
|  | | | | |
| **F** | **${physical\_data} :** | | | |
| 1. | ${length} | | ${length\_unit} | ${length\_value} |
| 2. | ${width} | | ${width\_unit} | ${width\_value} |
| 3. | ${height} | | ${height\_unit} | ${height\_value} |
| 4. | ${operating\_weight} | | ${operating\_weight\_unit} | ${operating\_weight\_value} |
| 5. | ${dry\_weight} | | ${dry\_weight\_unit} | ${dry\_weight\_value} |
| 6. | ${shipping\_weight} | | ${shipping\_weight\_unit} | ${shipping\_weight\_value} |
| 7. | ${flooded\_weight} | | ${flooded\_weight\_unit} | ${flooded\_weight\_value} |
| 8. | ${tube\_cleaning\_space} | | ${tube\_cleaning\_space\_unit} | ${tube\_cleaning\_space\_value} |
|  | | | | |
| **G** | **${tube\_metallurgy} :** | | | |
| 1. | ${evaporator\_tube} | |  | ${evaporator\_tube\_value} |
| 2. | ${absorber\_tube} | |  | ${absorber\_tube\_value} |
| 3. | ${condenser\_tube} | |  | ${condenser\_tube\_value} |
|  | | | | |

${notes}:

${block\_name}

${caption\_notes}

${/block\_name}