

SPECIFICATIE TEHNICA

Turnurile de racire din seria CMK sunt compuse in principal din urmatoarele componente.

Structura de sustinere si de rigidizare din profile robuste din otel carbon zincate in baie dupa prelucrare.

Manta din panouri autoportante din tabla zincata din otel carbon.

Ventilatoare montate pe aspiratie, cu carcasa din otel carbon zincat in baie dupa prelucrare.

Rotorul, de tip axial, are pale cu profil aerodinamic si este legat direct pe axul unui motor electric trifazat, avand nivel de protectie IP 55 pe toata carcasa, izolatie clasa F, construit conform normelor IEC 72 si IEC 34.I.

Capac din rasina de cea mai buna calitate realizat prin presare.

Capacul este ulterior protejat, in faza de formatare, prin aplicarea unui strat de material impermeabil, special.

Cadre interne de sustinere din profile de otel zincat in baie dupa prelucrare.

Suprafata de schimb compusa din mai multe sectiuni.

Fiecare sectiune este construita din PVC sau PP laminat, ondulate pe diagonala si unite prin unde alternative, astfel incat sa garanteze cel mai bun contact intre fluidele apa / aer si cu o rezistenta limitata la trecerea aerului.

Sistem de distributie a apei de tip "fara duze", constituit din unul sau mai multi colectori principali, din colectori secundari din teava de otel carbon zincat in baie dupa prelucrare si din distribuitori cu gravitatie, care prezinta risc redus de obturare, din otel inoxidabil AISI 304, fixati prin sudura la colectorii secundari care, fara a necesita nici un fel de intretinere, si cu pierderi de sarcina reduse, asigura o distribuire uniforma a apei pe toata suprafata de schimb.

Separator de picaturi din PVC compus din mai multe sectiuni usor demontabile.

Grila de sustinere a suprafetei de schimb constituita din profile metalice plane, zincate in baie dupa prelucrare. Grila robusta are si functia de a garanta siguranta personalului insarcinat cu intretinerea interna a turnului.

Jaluzele de protectie cu ample deschideri de intrare a aerului, realizate din tabla zincata cu grosimea de 20/10 mm si fixate pe profilele structurii cu buloane.

Bazin de colectare apa din rasina de cea mai buna calitate realizat prin presare si protejat ulterior, in faza de formare, cu un strat de material impermeabil special.

Bazinul este dotat cu:

- racord de iesire completat cu filtru apa de tip anticavitatie
- racord pentru apa de completare dotat cu vana cu plutitor
- racord de prea-plin

Buloane zincate, garnituri de sigilare pentru asamblarea tuturor componentelor.

TECHNICAL SPECIFICATIONS

Series CMK cooling towers consist essentially of the components specified below.

Support and stiffening frame made of robust steel profile, hot dip galvanized after manufacturing.

Casing consisting of self-bearing galvanized sheet panels with 20/10 mm thickness.

Suction fans with supporting structure, hot-dip galvanized after manufacturing.

The axial impeller has smooth contoured blades and is coupled into the shaft of the three-phase TEFC electric motor, according with IEC 72 and IEC 34.I, IP55 protection, class F insulation on the entire body.

Upper cap in high quality moulded glass fibre construction. The upper cap is further protected during moulding by the application of a coat-waterproofing agent.

Internal framework made of steel profile construction, hot-dip galvanized after manufacturing.

Wet deck surface made up of several sections. Each section consists of PVC or P.P. baffles corrugated diagonally and assembled with alternate course maximizing fluid/air contact and reducing resistance to the air flow.

Water distribution system without spray nozzles made up of one or more main headers, secondary headers made of tubular steel hot-dip galvanized after manufacturing and gravity distributors, non clogging, in AISI 304 stainless steel, connected to the main headers which, since they require no maintenance and offer reduced water leaks, ensure uniform water distribution in all wet deck surface.

Drift eliminator in PVC composed of several easily lift.

Support grids for the wet deck surface consisting of flat metal profiles hot-dip galvanized after manufacturing. The robust grid also provides for safety of maintenance personnel working on the inside of the tower.

Protection louvers with broad opening for air inlet, made of galvanized steel of thickness 20/10 mm and bolted to the structure profiles.

Sump of quality glass fibre construction, moulded and protected by the application of a specific waterproofing coat during moulding.

The sump is supplied with:

- water outlet connection with anti-vortexing strainer
- connection for make-up water with float valve
- overflow connection
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Galvanized bolts, packing and sealing compound for the assembly of all components.

Accessories more frequently requested:

- safety protection grid of the fan
- panels, louvers and bolts in AISI 304 stainless steel
- splash type wet deck surface, non clogging, suitable for up to 90 °C.

Toate indicatiile cuprinse in prezentul catalog sunt orientative si pot fi modificate fara preaviz.

All the indications contained in the present catalogue are indicative. Boldrocchi T.E. reserves the right to bring without forewarning all the variations that became necessary owing to technical or productive exigencies.