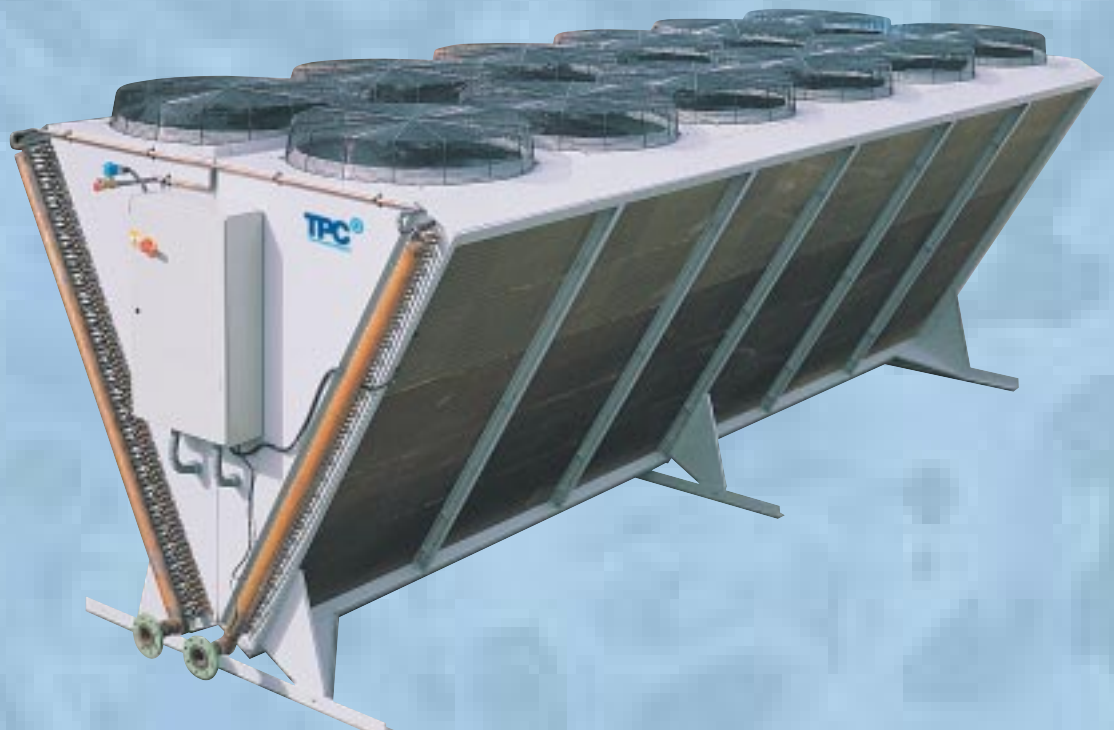


AIR BLAST COOLERS



TPC (Total Process Cooling Ltd), established in 1991, are specialists in industrial water cooling and with our application experience and UK service network, a rapid response and support to our customers is achieved.

The TPC range of air blast coolers, wetted surface and adiabatic coolers are available in V-type and flatbed configurations. Fully packaged units including pump, tank and control panel are also available reducing on site installation costs.

Applications

- * Compressors
- * CHP, Stand-By Generators
- * Free Cooling
- * General Process Cooling
- * Furnaces
- * Induction Cooling
- * Air Conditioning
- * Hydraulic Cooling



TBCE Coolers



FBD-SK Coolers



FBD Coolers



VTD Coolers

TPC Unit Configurations:

- VTD: V-type, horizontal airflow, dry cooler and adiabatic versions
- FBD: Flatbed, horizontal or vertical air flow, dry cooler and adiabatic versions
- FBD-SK: Flatbed, horizontal or vertical air flow dry coolers with pump and control panel. All skid mounted for easy installation.
- TBCE: Packaged box dry cooler with internal pump, tank, non-ferrous water system and control panel for easy installation.

Construction & Specification Options:

- Tubes: Copper, electro-tinned copper, steel, stainless steel
- Fins: Aluminium, aluminium coated, aluminium magnesium, copper, electro-tinned, steel, stainless steel
- Casing: Galvanised steel, stainless steel, aluminium painted
- Fans: Single speed, 2 speed, variable speed

- * No Chemical Water Treatment
- * No Contamination of Water Circuit
- * No Unsightly Plumes of Water Vapour
- * Reduced Maintenance Costs

- * Minimal Plan Area
- * Low Operating Costs
- * Low Operating Noise Levels
- * Fully Packaged Units



Packaged Air Blast Coolers



TBCL Coolers



TBCE Coolers

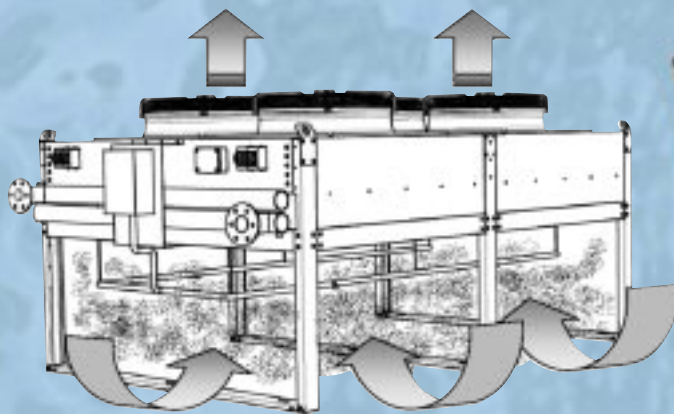


Model	Cooling Capacity kw	Pump Capacity l/min @ 3 bar	Tank Capacity Litres	Power Supply	Dimensions LengthxWidthxHeight	Connections BSP Male Thread	Noise Level dba @ 10m Free Field	Weight Dry/Operating kg
TBCL 10-T	10	14.3	25	415/3/50	650 x 650 x 540	3/4"	44	81/110
TBCL 20-T	20	28.7	50	415/3/50	650 x 650 x 995	1"	46	123/179
TBCE 20	20	28.7	120	415/3/50	900 x 900 x 1473	1"	44	202/329
TBCE 30	30	43.0	120	415/3/50	900 x 900 x 1443	1"	46	214/345
TBCE 45	45	64.5	120	415/3/50	900 x 900 x 1803	1 1/4"	48	248/383
TBCE 60	60	86.0	120	415/3/50	1100 x 1100 x 1983	1 1/4"	50	310/451
TBCE 80	80	115.0	170	415/3/50	1100 x 1100 x 1983	1 1/4"	56	333/531
TBCE 100	100	143.5	170	415/3/50	1250 x 1250 x 2173	1 1/2"	60	395/602
TBCE 125	125	179.2	170	415/3/50	1500 x 1250 x 2173	1 1/2"	61	444/658
TBCE 150	150	215.0	210	415/3/50	2500 x 1310 x 1895	2"	58	569/832
TBCE 175	175	251.0	210	415/3/50	2500 x 1310 x 1895	2"	59	569/832
TBCE 200	200	287.0	210	415/3/50	2500 x 1310 x 1895	2"	59	616/896

TBCE Packaged Box Cooler Selection Table based upon a 10°C cooling range and 10°C approach temperature to ambient. For other criteria please refer to TPC Ltd.

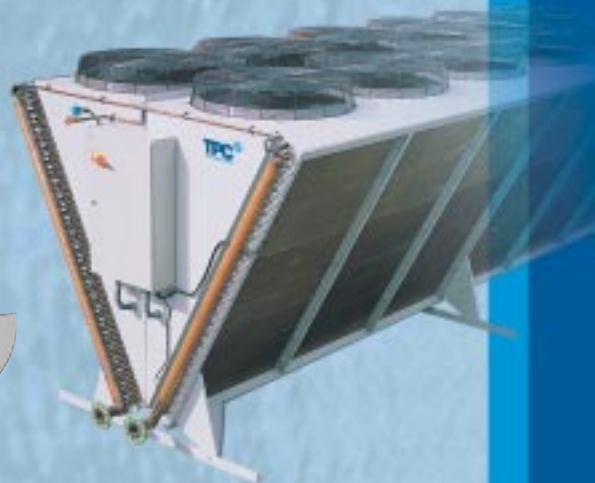
Adiabatic & Wetted Surface Air Blast Coolers

TPC Adiabatic and Wetted Surface Coolers for re-cooled water temperatures below ambient conditions making them a cost effective alternative to Evaporative Cooling.



Adiabatic Principles of Operation

The physical phenomenon of adiabatic saturation is obtained by using an adiabatic vaporizing system. The suction air on the water cooler collides with a very fine water particle mist obtained with custom built spray nozzles fitted to create a complete and uniform saturation of the entering air.



Wetted Surface Adiabatic Principles of Operation

Wetted surface adiabatic units operate by running mains water over the cooler's coil block when dry cooling alone cannot achieve the desired water temperature. The water used for wetting is quite low and is totally lost, not recycled or retained.



Typical TPC Installations

BNFL	Toyota	Formula 1	Williams Holdings
Rolls Royce	BP Chemicals	Harrods	Anochrome Group
Hoover	Yuasa	Rover	Ford Group
Powergen	Honeywell	Linpac	Andel Plastics
Doncasters	Epson	Glaxo	Huntleigh Healthcare
Webasto Group	Glywed Group	General Motors	ABCD Plastics

TPC LTD – SPECIALISTS IN INDUSTRIAL COOLING

TPC After Sales Service

- * National Support Network
- * Routine Preventative Maintenance Plans

TPC Hire Fleet

Hire units are available from 3 kw – 500 kw for short or long term hire to trial a project or in the event of a breakdown or as additional cooling during high summer ambient temperatures.

The TPC Product range comprises of:-

- ⊗ Air Cooled & Water Cooled Chillers
- ⊗ Adiabatic Coolers (The Cooling Tower Alternative)
- ⊗ Cooling Towers
- ⊗ Cooling Tower Refurbishment
- ⊗ Heat Exchangers
- ⊗ Refrigeration Service / Repair
- ⊗ Hire Chillers
- ⊗ Dry Air Blast Coolers
- ⊗ Water Treatment
- ⊗ Pump Sets
- ⊗ Cooling Coils
- ⊗ Oil Coolers



Specialists in Industrial Cooling



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TPC Ltd. reserves the right to alter specification without prior notice

TPC Leaflet No. 05-4003