

LIANG CHI BIG SIZE COOLING TOWER



PT LIANG CHI INDONESIA



LIANG CHI Big Size Cooling Tower

LBC – 1250 & 1500

The New Big Size LBC Cooling Tower is engineered for

Cost Efficiency, Stability & High Performance

Design Features:

The non-rusting FRP casing and basin, circular in shape, eliminates special installation requirements. Prevailing wind directions will not affect tower performance

Casing:

Easy access through casing simplifies cleaning. Individual fiberglass panels are stainless steel bolted together for periodic wash down and general clean up. The LBC FRP cooling tower is designed for durability and long life even under the most severe environmental weather conditions.

Fan Blade:

Aerodynamically designed propeller type fan blades are used to conserve power and assure quiet operations.

Fan Drive:

Using a unique belt drive, designed to reduce noise levels, with optional gear drive.

Water Distribution System:

Use an alloy aluminum sprinkle head; require little or no head pressure and minimum maintenance.

Inlet Louvers:

Non-rusting PVC plastic mesh provides easy access to sump while preventing foreign objects from entering water basin.

Ladder:

Provided for maintenance and inspection accessibility to fan and sprinkler systems.

Filler Material:

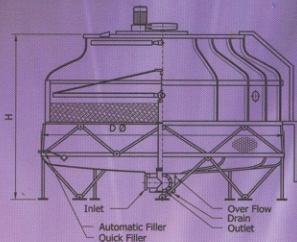
Honeycomb heat-embossed PVC is formed to permit high heat transfer efficiency.

With advantages listed below:

1. The fan motor is weatherproofed and totally enclosed allowing for less noisy and more efficient long-term performance.
2. The sprinkle pipes are sturdy PVC or FRP material pierced with closely spaced holes allowing through distribution of water in a rotating spray covering the entire surface of the filler.
3. The round design permits maximum air intake regardless of wind direction.
4. Efficient operation result from the smooth pumping of re-circulated water through the stand pipe and up into the sprinkler pipes.
5. Housing panel and water basin are built of FRP ensuring rust-free & long time performance.
6. PVC Filler designed to create a surface area that allows for maximum dispersion of water and creates a superior cooling effect.
7. A large capacity water basin constructed from rustproof FRP guaranteed low maintenance & long term operation.
8. A large diameter outlet pipe draws a constant supply of cooled water from basin to serve the facility.

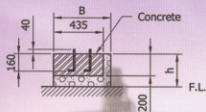
Optional extras available:

1. **Drift Eliminator**, minimizing drift loss to below 0.1% of circulating water.
2. **Splash Mat**, reducing noise from water droplets pouring down into the basin.

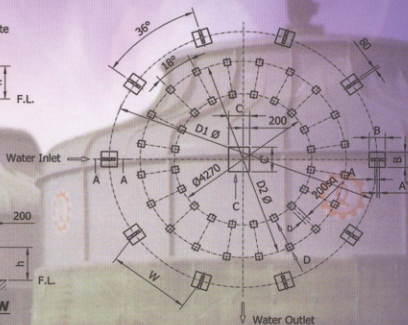


STANDARD SPECIFICATION

LBC Model	Cooling Capacity Kcal/Hr	Nominal Water Flow L/Min	Dimension		Fan Assembly				Pipe Connections						
			Height H	Dia D ϕ	Motor HP	VBA Reducer	Air Volume m ³ /min	Fan D ϕ mm	Inlet mm	Outlet mm	Drain mm	Overflow mm	Make-up		
														Auto (Ba)	Quick (Q)
1250	4875000	16250	5870	8430	40	300	6200	4270	300	300	80	100		65	65
1500	5850000	19500	6220	8430	50	375	7500	4270	350	350	80	100		65	65



A-A SECTION



C VIEW

D VIEW

RECOMMENDED CONCRETE FOUNDATION

LBC Model	Approx Weight		Foundation Dimensions										Anchor Bolt			Pump Head M
	Dry Kg	Operating Kg	D1 mm	D2 mm	W mm	A mm	A' mm	B mm	C mm	C' mm	h mm	h' mm	Size mm	Length mm	Quantity Pcs	
1250	6554	26064	8330	6400	2574	70	70	500	650	800	300	400	M20	200	20	6.5
1500	7000	26512	8330	6400	2574	70	70	500	650	800	300	400	M20	200	20	7

WATER FLOW AND TEMPERATURE SELECTION CHART

Standard Design Temp Condition													Unit : L/Min											
Wet Bulb	27 °C				28 °C				29 °C				30 °C				31 °C							
°C	5				5				5				5				5							
Model	38	37	36	35	38	37	36	35	39	38	37	36	40	39	38	37	41	40	39	38	42	41	40	39
	33	32	31	30	33	32	31	30	34	33	32	31	35	34	33	32	36	35	34	33	37	36	35	34
1250	18885	16250	13684	11153	17104	14413	11759	18007	15185	12401	18963	16002	13082	19975	16867	13803								
1500	22686	19500	16397	13339	20529	17276	14068	21618	18205	14840	22770	19189	15659	23990	20231	16526								



PT LIANG CHI INDONESIA



Head Office :

GRHA PRABA SAMANTA

Jl. Daan Mogot Km. 12 No. 9 Jakarta 11730

Telp : 62-21 6193099, 6193212, 6196349

6196962, 6196963, 54380039 (Hunting)

Fax : 62-21 6196341

Email : liangchiindonesia@oas.co.id

Surabaya :

Telp : 62-31-8432836, 8497888

Fax : 62-31-8497438, 8497433

Email : lci@sby.oas.co.id

Semarang :

Telp : 62-24-7613839, 7611102

Fax : 62-24-7613842

Email : lci_smg@telkom.net

Bandung :

Telp : 62-22-6124001, 6124002, 6024175

Fax : 62-22-6124001, 6124002

Email : oasbdg@rad.net.id

Medan :

Telp : 62-61-7862123

Fax : 62-61-7861960, 7861940

Email : seltechi@indosat.net.id

hengky@seltech.co.id