

BKK Cooling Tower

MODEL :

COUNTER FLOW

BKC-PT-SERIES



ISO 9001 : 2008





BKK COOLING & ENGINEERING CO.,LTD.

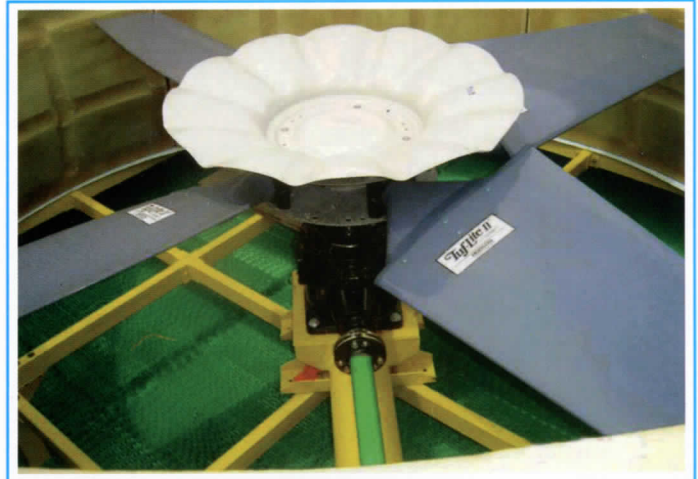
BKC-PT-Series - AB Class is on induced draft, counterflow, film filled, FRP square cooling tower designed for air conditioning and industrial process cooling applications.

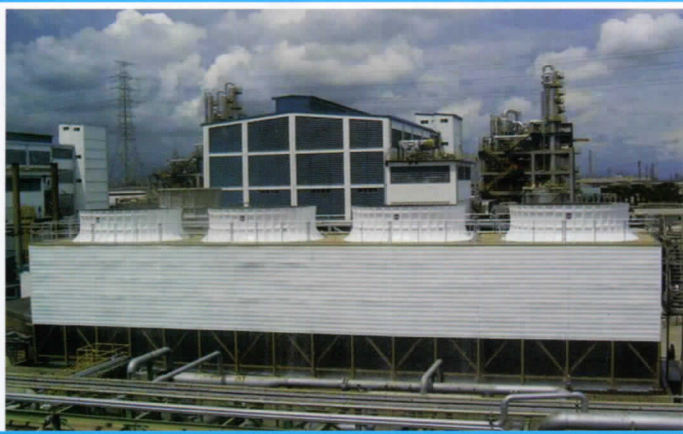
The AB Class is specifically designed to meet the 21st century challenges where the cost of energy, space and labour are ever increasing. It also incorporates a safety maintenance platform complete with safety railings for ease of maintenance. This highly efficient engineered design AB Class is result of B.K.K.'s Commitment in the continuous R&D in cooling tower technology.

AB Class utilizes only components that are manufactured from the finest raw material and have been proven in the field. All components are designed to operate collectively to give the optimum overall cooling efficiency. This translates to lower operating cost and long term savings to the operator.

Advantages

- **Efficient Drift Eliminator**
up to 0.001% drift loss, solves water carryover problems
- **Reduced Plan Area**
a saving in costly space
- **High Performance Fill**
reduces energy consumption
- **Simplified Piping layout**
streamlined layout and lower piping cost
- **Reliable Mechanical Drive System**
trouble free operation
- **Safety Maintenance Platform**
meets CTI requirements





Thai Polycarbonate Proj. Model : BKC-PT-2500-4A



Sunthai Proj. Model : BKC-PT-600-4A



Thai Peroxide Proj. Model : BKC-PT-1000-2B



Air Liquide (Saraburi) Proj. Model : BKC-PT-1000-2A



Air Liquide (Chonburi) Proj. Model : BKC-PT-1500-1A



Olean Palm Oil Proj. Model : BKC-PT-950-2A



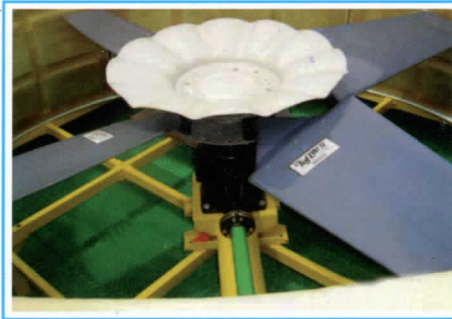
Palm Oil Chumporn Proj. Model : BKC-PT-1500-1A



Lamsoon Proj. Model : BKC-PT-200-1B



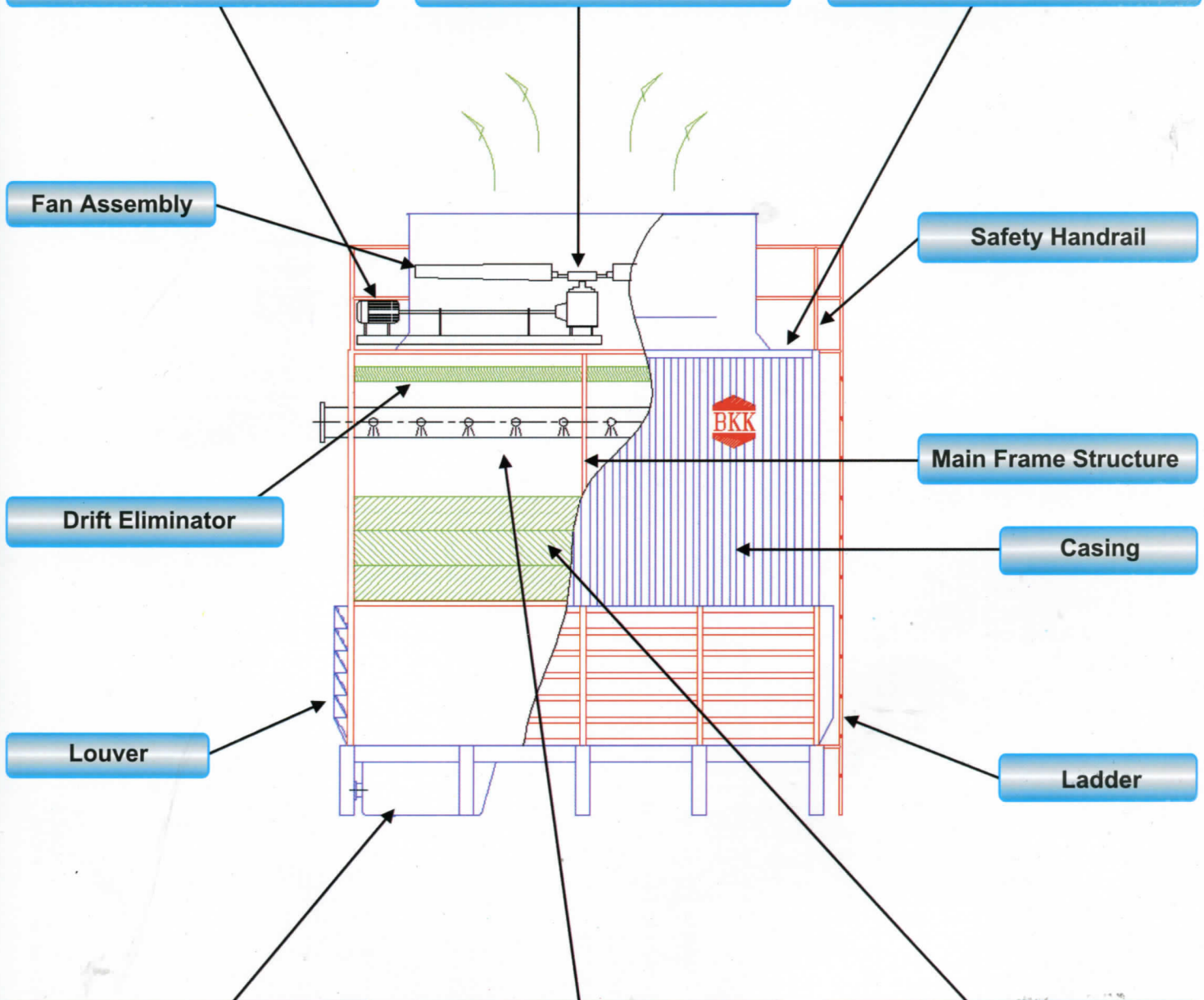
Motor



Gear Reducer System



Safety Maintenance Platform



Fan Assembly

Safety Handrail

Drift Eliminator

Main Frame Structure

Casing

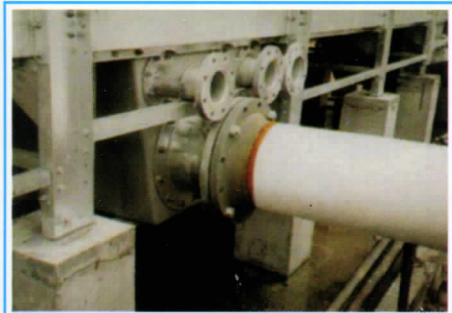
Louver

Ladder

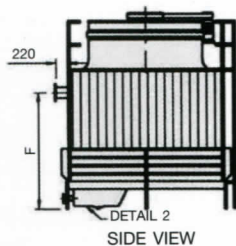
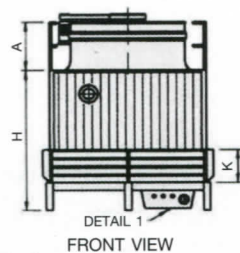
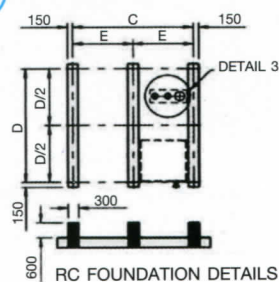
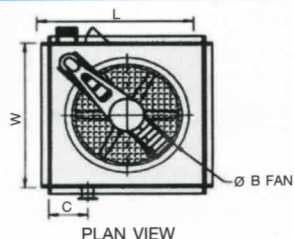
Cold Water Basin Sump

Non-Clog Spray Nozzles

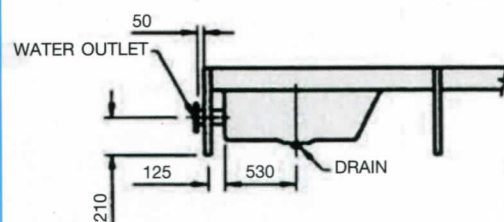
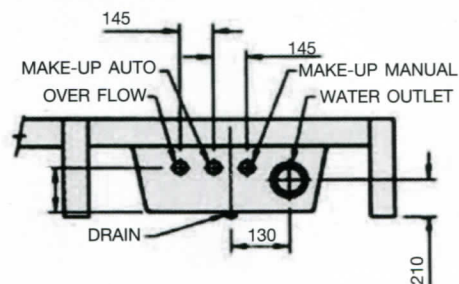
High Performance Film Fill Pack



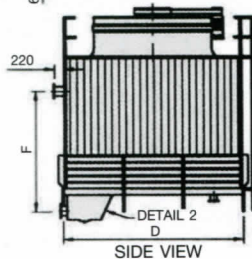
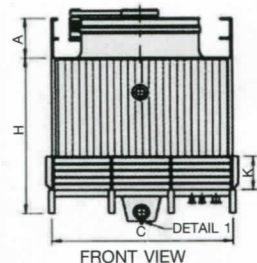
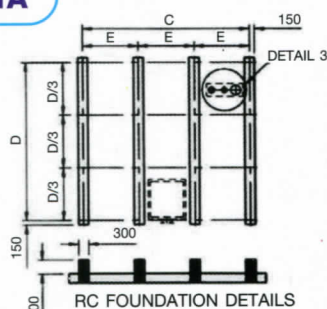
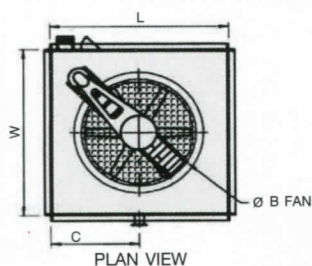
BKC-PT-350-1A-BKC-PT-600-1A



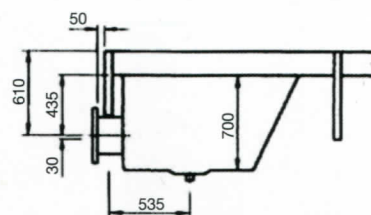
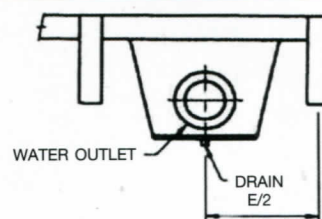
BKC-PT-350-1A-BKC-PT-450-1B



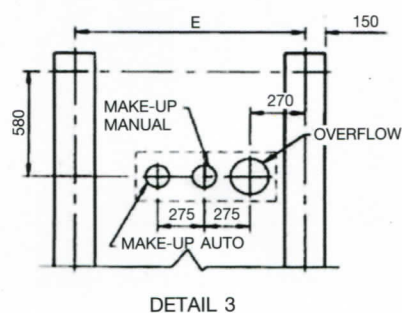
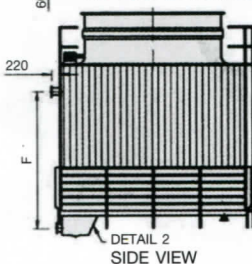
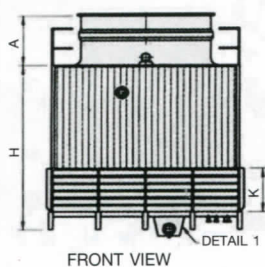
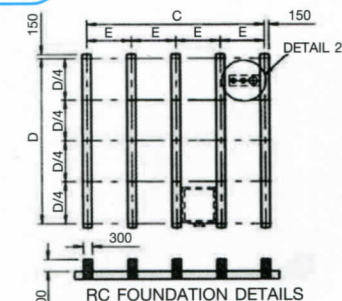
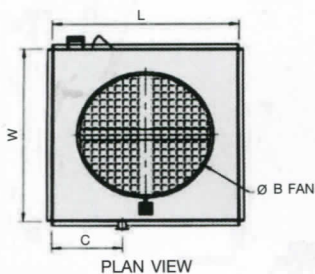
BKC-PT-600-1B-BKC-PT-1000-1A



BKC-PT-500-1A-BKC-PT-1500-1B



BKC-PT-1000-1B-BKC-PT-1500-1B



Model Definition Example



PT Series

Modification Or Custom Design

Structure Material: S=HDG Steel F=FRP Pultruded T=Wood

B=Energy Saving S=Space Saving

Total Nominal Tons

Number of cells

(base on 0.78m³/hr/ton at 37C HWT/32C CWT/27C WBT)

Tower Model	Flowrate m3/hr at 37/32/27	Motor Kw/ce ll	Overall Dimension						Anchor Bolts Data			Piping Data		Piping Size					Weight (Kg)	
			L	W	H	A	B	K	C	D	E	F	G	Water Inlet	Water Outlet	Over Flow	Drain	Make up Auto & Manual	Dry Weight	Operating Wiegth
BKC-PT-350-1A	273	11.0	3110	3110	3660	1100	2440	800	3060	3120	1530	3000	790	200x1	200x1	75x1	50x1	50x1	2205	5145
BKC-PT-350-1B	273	7.5	3720	3720	3660	1100	2440	800	3670	3730	1835	3000	945	200x1	200x1	75x1	50x1	50x1	2310	5400
BKC-PT-400-1A	312	15.0	3410	3410	3660	1100	2440	800	3360	3420	1680	3000	868	200x1	200x1	75x1	50x1	50x1	2370	5490
BKC-PT-400-1B	312	11.0	3720	3720	3660	1100	2440	800	3670	3730	1835	3000	945	200x1	200x1	75x1	50x1	50x1	2660	6185
BKC-PT-450-1A	351	15.0	3720	3720	3660	1100	2440	800	3670	3730	1835	3000	945	200x1	200x1	75x1	50x1	50x1	2690	6240
BKC-PT-450-1B	351	11.0	4020	4020	3660	1100	2440	800	3970	4030	1985	3000	1020	200x1	200x1	75x1	50x1	50x1	2830	6750
BKC-PT-500-1A	390	15.0	4020	4020	3960	1100	3050	960	3970	4030	1985	3300	1020	250x1	250x1	100x1	75x1	50x1	3200	7120
BKC-PT-500-1B	390	11.0	4330	4330	3960	1100	3050	960	4280	4340	2140	3300	1100	250x1	250x1	100x1	75x1	50x1	3710	8260
BKC-PT-550-1A	429	18.5	4020	4020	3960	1100	3050	960	3970	4030	1985	3300	1020	250x1	250x1	100x1	75x1	50x1	3300	7220
BKC-PT-550-1B	429	15.0	4330	4330	3960	1100	3050	960	4280	4340	2140	3300	1100	250x1	250x1	100x1	75x1	50x1	3810	8360
BKC-PT-600-1A	468	18.5	4330	4330	3960	1100	3660	960	4280	4340	2140	3300	1100	250x1	250x1	100x1	75x1	50x1	4060	8610
BKC-PT-600-1B	468	15.0	4630	4630	3960	1100	3660	960	4580	4640	2290	3300	1170	250x1	250x1	100x1	75x1	50x1	4460	9730
BKC-PT-650-1A	507	18.5	4630	4630	3960	1100	3660	960	4580	4640	2290	3300	1170	250x1	250x1	100x1	75x1	50x1	4560	9830
BKC-PT-650-1B	507	15.0	4630	4630	4270	1100	3660	960	4580	4640	1527	3300	2315	250x1	250x1	100x1	75x1	50x1	4810	10490
BKC-PT-700-1A	546	22.0	4630	4630	4270	1100	3660	960	4580	4640	1527	3300	2315	250x1	250x1	100x1	75x1	50x1	4910	10590
BKC-PT-700-1B	546	15.0	4940	4940	4270	1100	3660	960	4890	4950	1630	3300	2470	250x1	250x1	100x1	75x1	50x1	5480	11940
BKC-PT-750-1A	585	22.0	4940	4940	4270	1100	3660	960	4890	4950	1630	3300	2470	250x1	250x1	100x1	75x1	50x1	5580	12040
BKC-PT-750-1B	585	18.5	5240	5240	4270	1100	3660	960	5190	5250	1730	3300	2620	250x1	250x1	100x1	75x1	50x1	6270	13530
BKC-PT-800-1A	624	30.0	4940	4940	4270	1100	3660	960	4890	4950	1630	3300	2470	300x1	300x1	100x1	75x1	50x1	5680	12140
BKC-PT-800-1B	624	18.5	5240	5240	4270	1100	3660	960	5190	5250	1730	3300	2620	300x1	300x1	100x1	75x1	50x1	6420	13780
BKC-PT-850-1A	663	22.0	5240	5240	4270	1100	3660	960	5190	5250	1730	3300	2620	300x1	300x1	100x1	75x1	50x1	6520	13880
BKC-PT-850-1B	663	18.5	5550	5550	4570	1100	3660	960	5500	5560	1833	3660	2775	300x1	300x1	100x1	75x1	50x1	7200	15460
BKC-PT-900-1A	702	30.0	5240	5240	4570	1100	3660	960	5190	5250	1730	3660	2620	300x1	300x1	100x1	75x1	50x1	6620	13980
BKC-PT-900-1B	702	22.0	5550	5550	4570	1100	3660	960	5500	5560	1833	3660	2775	300x1	300x1	100x1	75x1	50x1	7300	15560
BKC-PT-950-1A	741	30.0	5550	5550	4570	1100	3660	960	5500	5560	1833	3660	2775	300x1	300x1	100x1	75x1	50x1	7400	15660
BKC-PT-950-1B	741	18.5	6160	6160	4570	1100	3660	960	6110	6170	2037	3660	3080	300x1	300x1	100x1	75x1	50x1	8870	19050
BKC-PT-1000-1A	780	37.0	5550	5550	4570	1100	3660	960	5500	5560	1833	3660	2775	300x1	300x1	100x1	75x1	50x1	7500	15760
BKC-PT-1000-1B	780	22.0	6160	6160	4880	1100	3660	960	6110	6170	2037	3960	3080	300x1	300x1	100x1	75x1	50x1	10040	21670
BKC-PT-1250-1A	975	45.0	6160	6160	4880	1430	4270	1120	6110	6170	1528	3960	2320	300x1	300x1	100x1	75x1	50x2	10290	21920
BKC-PT-1250-1B	975	30.0	6770	6770	4880	1430	4270	1120	6720	6780	1680	3960	2545	300x1	300x1	100x1	75x1	50x2	12310	26360
BKC-PT-1500-1A	1170	55.0	6770	6770	5490	1430	4270	1120	6720	6780	1680	4270	2545	350x1	350x1	100x1	75x1	50x2	13000	27500
BKC-PT-1500-1B	1170	37.0	7380	7380	5490	1430	4270	1120	7330	7390	1833	4270	2775	350x1	350x1	100x1	75x1	50x2	14550	30420



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