



Radin Sanat Faraz

Designer & Manufacturer of Air Conditioning Systems

Breathing next to us ...



About Us...

About Us...

Concurrent with the development of technology and the growth of the construction industry, using of air conditioning equipments in residential, industrial Hospitals, pharmaceutical, commercial and sport projects are increased.

Certainly use of proper HVAC units which consider international standards in their products and Consider simultaneously optimize energy consumption is necessary.

Given that our country is in the development Also, considering the size of our extensive country and having different weather conditions and increasing pollution in cities we decided Using science and technology and the new approach and special attention to the quality produce HVAC units Tailored to the needs of specific s and regions of IRAN.

Our purpose is to produce the highest quality products with our professional experiences to meet needed of air conditioning system in various projects And the growth of this industry within the country produce units that can compete with the best and famous brands that from now we have not to import units without quality.

We make sure to consultants, employers, contractors and all our buyers that we will be by your side along with providing Engineering services from initial design through to commissioning, maintenance and after-sales service and you will feel we are your partner.

Radin Sanat Fraz Company in addition of producing HVAC units such as air handling unit, air washer, air cooled chiller, water cooled chiller, cooling tower and fan coil by specialty produce hygienic units for medicine, food, instrumentation factories, sport hall, hospital and ...

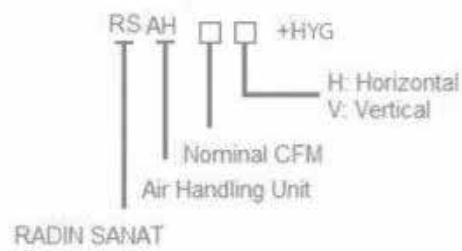
With respect to meet quality and standard requirement we have been successful to received ISO,CE,GMP certification.

Radin Sanat Fraz Company in addition of providing engineering services and producing hygienic units Collaboration with specialized teams submit required document for validation such as DQ, IQ, OQ and PQ.

Radin Sanat Faraz Company Beside the providing domestic market could export his products to neighborhood countries

Such as Iraq, Afghanistan, Azerbaijan and Turkmenistan and we try continuously for increasing quality and technical of our products to become authentic and international brand.





Hygienic Air Handling Unit

Features:

- 1- Air flow rate from 1600 to 50000 cfm in 15 sizes
- 2- Single zone and multi zone types in horizontal and vertical styles
- 3- Modular type with easy assembling
- 4- Unit structure is extrude aluminum profile with curve corners and best airtight
- 5- Panels are double skin with 25 or 50 mm rock wool/polyurethane insulation
- 6- All internal surfaces made by stainless steel sheets
- 7- Equipped with plug fan that installed with electromotor on vibration isolator
- 8- Using water cooled / DX /hot water/ steam / electrical coils are possible
- 9- All coils made by anti-corrosion coated fins
- 10- Installation droplet eliminator from polypropylene or stainless steel is possible
- 11- Coils situated on stainless steel condensate pan with specially hygienic type drain
- 12- Equipped with aluminum washable filter , pleated filter ,bag filter and hepa filter according to ASHRAE 52-76 and EUROVENT4/5
- 13- Installation all types of dehumidifier and humidifiers are available
- 14- All commitment in EN1886 , EN13053 and VDI6022 standards observed during design and producing units
- 15- Certified by CE and GMP
- 16- All sections equipped with closable stainless steel drain
- 17- Double skin Sight glass and light installed in essential sections
- 18- Suitable for indoor and outdoor installation
- 19- Installation all types of heat recovery system are available
- 20- Equipped with opposed blade damper for fresh , return and supply air
- 21- Unit can equipped with control system
- 22- Manufacturing for more air flow rate and special dimensions are possible

Dehumidifier Air Handling Unit

Dehumidifier Air Handling Unit Features:

1. This unit has all specifications of hygienic units.
2. Air flow rate from 3000 to 30000 cfm
3. Temperature efficiencies range from 70% up till 90% depending on design
4. Modular type with easy assembling
5. This model complies with the hygiene standard for comfort ventilation EN 13779
6. Equipped with rotary heat exchanger (wheel) in casing along with motor and belt
7. Equipped with precooling , cooling, heating and reactivation coil
8. Using of DX and chilled water is possible for cooling
9. Using of hot water , steam and electrical coil is possible for heating.
10. Equipped with exhaust fan
11. The wheel is available in : aluminum / epoxy coated aluminum / silica gel coated aluminum / molecular sieve coated aluminum / a mix of non-coated and silica gel coated aluminum but the standard is aluminum
12. The casing of wheel is made of galvanized steel
13. Wheels are supplied with a special adapted ball bearing
14. Air leakage between wheel and casing is minimized through a brush sealant
15. The brush sealant mounted on the casing allows for easy adjustment and provides a longer life time
16. Also the two air streams are separated with an easy adjusted brush sealant
17. Standard drive is constant speed and also variable speed is available
18. RECOMMENDED AND MAXIMUM PRESSURE DROP: Recommended 100-200 Pa, maximum allowed 300 Pa.
19. AIR TEMPERATURE LIMITS: Minimum -40°C and maximum 65°C (air temperature)



MODEL	Air Flow Rate Range (CFM)	Cooling Coil				Heating Coil			
		4 Rows/ 8FPI		6 Rows/ 8FPI		1 Row/ 8FPI		2 Rows/ 8FPI	
		Capacity (MBH)	Lvg. Air db-F/wb-F	Capacity (MBH)	Lvg. Air db-F/wb-F	Capacity (MBH)	Lvg. Air db-F	Capacity (MBH)	Lvg. Air db-F
RSAH-2000	1600 To 2200	40	62/60	63.5	58/57	54.5	96	88.5	112
RSAH-3000	2200 To 3400	56.5	63/60	90	58/57	76.5	94	130	112
RSAH-5000	3400 To 5500	132	60/59	184	55/54	147	98	247	119
RSAH-7000	5500 To 7700	185	60/58	265	55/54	206	98	350	118
RSAH-10000	7500 To 11000	293	59/58	404	54/53	306	99	512	119
RSAH-12500	10000 To 13500	370	59/57	510	54/53	388	99	651	120
RSAH-15000	12000 To 16500	438	59/58	600	54/53	454	99	761	119
RSAH-17500	14000 To 19300	526	59/57	715	54/53	533	99	898	120
RSAH-20000	16000 To 22000	632	58/57	840	54/53	632	100	1055	121
RSAH-22500	18000 To 24500	710	58/57	952	54/53	702	100	1190	121
RSAH-25000	20000 To 27500	728	59/58	1006	54/53	761	99	1278	119
RSAH-30000	24000 To 33000	860	59/58	1186	55/54	892	98	1502	118
RSAH-35000	28000 To 38500	1043	59/58	1420	54/53	1056	99	1780	119
RSAH-40000	32000 To 44000	1240	59/57	1864	55/53	1240	100	2078	120
RSAH-45000	36000 To 49500	1422	58/57	1903	54/53	1407	100	2352	121

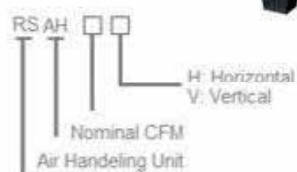
PLUG FAN SPECIFICATION															
MODEL	2000	3000	5000	7000	10000	12500	15000	17500	20000	22500	25000	30000	35000	40000	45000
Fan Size	450	500	500	630	710	900	1000	1000	1000	1120	900	1000	1000	1000	1120
No. of Fans	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2
Motor Power (HP)	3	5	7.5	7.5	15	15	20	20	25	25	15	20	20	25	25

Note:

- Elevation above sea level: 0
- Summer Condition: dry bulb temperature= 80 °F, wet bulb temperature= 67°F
- Winter Condition: dry bulb temperature= 70 °F
- Cooling coil water temperature: inlet= 44°F, outlet=54°F
- Heating coil water temperature: inlet= 180°F, outlet=160°F
- All the fan sizes are calculated for 500 FPM face velocity and 4 in.W.g total static pressure.
- Lvg. Air= leaving air temperature / db= dry bulb temperature / wb= wet bulb temperature

Health & Cleanness





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Features:

- 1- Air flow rate from 1600 to 50000 CFM in 15 sizes
- 2- Single zone and multi zone types in horizontal and vertical styles
- 3- Modular type with easy assembling
- 4- Unit structure is extrude aluminum profile with best airtight
- 5- Panels are double skin with 25 or 50 mm rock wool/polyurethane insulation
- 6- All bodies made by galvanized steel sheets
- 7- Both Forward and backward fan are available
- 8- Using water cooled / DX /hot water/ steam / electrical coils are possible
- 9- Aluminum and copper fins are available
- 10- Installation droplet eliminator from polypropylene or galvanized steel is possible
- 11- Coils situated on condensate pan with drain
- 12- Equipped with aluminum washable filter , and other special filters such as pleated and bag filters can installed
- 13- Installation all types of dehumidifier and humidifiers are available
- 14- Equipped with Sight glass and light upon request
- 15- Suitable for indoor and outdoor installation
- 16- Installation all types of heat recovery system are available
- 17- Equipped with opposed blade damper for fresh , return and supply air
- 18- Unit can equipped with control system
- 19- Manufacturing for more air flow rate and special dimensions are possible

Air Handling Unit

MODEL	Air Flow Rate Range (CFM)	Cooling Coil				Heating Coil			
		4 Rows/ 8FPI		6 Rows/ 8FPI		1 Row/ 8FPI		2 Rows/ 8FPI	
		Capacity (MBH)	Lvg. Air db°F/wb°F	Capacity (MBH)	Lvg. Air db°F/wb°F	Capacity (MBH)	Lvg. Air db°F	Capacity (MBH)	Lvg. Air db°F
RSAH-2000	1600 To 2200	40	62/60	63.5	58/57	54.5	96	88.5	112
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RSAH-40000	32000 To 44000	1240	59/57	1864	55/53	1240	100	2078	120
RSAH-45000	36000 To 49500	1422	58/57	1903	54/53	1407	100	2352	121

Backward FAN SPECIFICATION

MODEL	2000	3000	5000	7000	10000	12500	15000	17500	20000	22500	25000	30000	35000	40000	45000
Fan Size	355	400	450	500	560	630	710	800	800	900	630	710	800	800	900
No. of Fans	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2
Motor Power (HP)	2	3	5	5	7.5	10	15	15	15	20	10	15	15	15	20

Forward FAN SPECIFICATION

MODEL	2000	3000	5000	7000	10000	12500	15000	17500	20000	22500	25000	30000	35000	40000	45000
Fan Size	280	280	355	400	450	560	630	710	710	800	560	630	710	710	800
No. of Fans	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2
Motor Power (HP)	2	3	5	7.5	10	15	15	15	20	20	15	15	15	20	20

Note:

- Elevation above sea level: 0
- Summer Condition: dry bulb temperature= 80 °F, wet bulb temperature= 67°F
- Winter Condition: dry bulb temperature= 70 °F
- Cooling coil water temperature: inlet= 44°F, outlet=54°F
- Heating coil water temperature: inlet= 180°F, outlet=160°F
- All the fan sizes are calculated for 500 FPM face velocity , 3 in.W.g total static pressure for backward fan and 2 in.W.g total static pressure for forward fan
- Lvg. Air= leaving air temperature / db= dry bulb temperature / wb= wet bulb temperature



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Features:

- 1- Air flow rate from 1000 to 50000 CFM in 15 sizes
- 2- Possibility to construction in both horizontal and vertical types
- 3- Using thick extrude aluminum profile for unit structure painted with body to increase equipment's life time
- 4- Double skin panels with possibility to made by galvanized or stainless steel sheets
- 5- 1 or 2 inches rock wool/polyurethane insulation for panels according on request
- 6- Installing stainless steel drain in where needed
- 7- possibility sight glass double skin and light if needed
- 8- Equipped with airfoil opposed blade damper on inlet or outlet
- 9- Possibility to using aluminum washable filter and other special filters such as pleated, bag Hepa and chemical filters
- 10- Possibility to using forward, backward, airfoil and plug fan
- 11- Possibility to manufacturing for upper air flow rate from the standard models and special dimensions
- 12- Best airtight for the filter boxes
- 13- Using ASHRAE 52-76 and EUROVENT 415 standards to select filters
- 14- Possibility to install control system
- 15- Possibility to install sand trap on request when needed

Fan Filter Unit

model	Air flow rate range	Bag and pleated filter specifications			Hepa filter specification		
		Area ft ²	60*60 (cm)	60*30 (cm)	Area ft ²	60*60 (cm)	60*30 (cm)
2000	1700-2700	5.8	1	1	7.74	2	-
3000	2300-3800	7.74	2	-	11.6	2	2
5000	3400-5400	11.6	2	2	15.5	4	-
7000	4600-7600	15.5	4	-	23.22	6	-
10000	6900-11400	23.22	6	-	34.83	9	-
12500	8700-14200	29.01	6	3	40.62	9	3
15000	10500-16200	34.83	9	-	46.44	12	-
17500	12200-19000	40.62	9	3	54.16	12	4
20000	14000-21600	46.44	12	-	58.12	12	6
22500	16300-24300	54.16	12	4	69.64	18	-
25000	17500-28000	58.12	12	6	81.22	18	6

Note:

1. The pleated filters could having Eu3, Eu4 and Eu5 efficiencies with 50 or 100mm width.
2. The bag filters could having Eu3 to Eu9 efficiencies with 300, 600 or 900mm width.
3. The hepa filters could having Eu11, Eu12 and Eu13 efficiencies with 150 and 300mm width.



Features:

1. Ability to construction with nominal capacity from 5 to 440 tons.
(Upper capacities will be achievable on request)
2. Possibility to producing both water cooled and air cooled types
(Making package units will be possible in air cooled types)
3. Using high quality compressors from best manufacturers in reciprocating, scroll and screw types
4. Special design with split circuits according to cooling capacity for decrease energy consumption to minimum in non-peak times
5. Utilizing the last generation of shell and tube heat exchangers for condenser and evaporator (using of plate heat exchangers will be possible on request)
6. Equipped with command and control circuit, designed and installed according to IEC standards to increase equipment's safety factor
7. Using control system with ability to save important factors of refrigerant cycle such as temperature and pressure
8. Ability to easy disassembling and assembling in the site
9. With power protection main switch
10. Equipped with automatic detection fault board with ability to save system's faults in long period of time
11. Possibility to using both thermostatic and electronic expansion valve
12. Ability to connecting BMS system
13. Possibility to install ON/OFF system with SMS and receiving equipment's situation message
14. Ability to construction with different refrigerants such as R-22, R-134a, R-407c and R-410a

Chiller

MODEL	Compressor type	A.C.C (MBH)	P.In (Kw)	E.W.F (GPM)	EV.P.d (Ft.Wg)	T.H.R (MBH)
RSCH1-5A	Scroll-Reciprocating	45.6	3.9	9.12	1.3	56.1
RSCH1-10A	Scroll-Reciprocating	98.2	7.9	19.64	2.2	119
RSCH1-20A	Scroll-Reciprocating	188	15.8	37.6	2.4	230
RSCH2-20A	Scroll-Reciprocating	196.4	15.8	39.28	3.4	238
RSCH2-30A	Scroll-Reciprocating	286	24.2	57.2	4.7	351
RSCH2-40A	Reciprocating	331.6	27.68	66.32	4.2	426
RSCH2-50A	Reciprocating	440	36.72	88	6.8	568
RSCH2-60A	Reciprocating	510	42.8	102	11.2	656
RSCH2-70A	Reciprocating	610	51.8	122	16.2	786
RSCH2-80A	Reciprocating	760	64	152	15.7	978
RSCH3-90A	Reciprocating	765	64.2	153	11	984
RSCH2-100A	Reciprocating-Screw	772	72.2	154.4	10.5	1018.4
RSCH2-120A	Reciprocating-Screw	970	89.6	194	15.6	1275.8
RSCH2-140A	Screw	1118	107.4	223.6	21.5	1484.5
RSCH3-150A	Screw	1158	108.3	231.6	12.8	1527.6
RSCH2-160A	Screw	1290	120.6	258	27.5	1701.6
RSCH2-180A	Screw	1566	139.2	313.2	11.5	2041
RSCH2-220A	Screw	1856	167.2	371.2	11.7	2426.6
RSCH4-240A	Screw	1940	179.2	388	12.8	2551.6

NOTE:

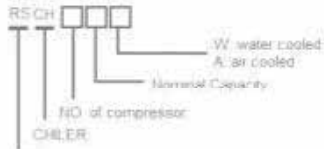
A.C.C: Actual Cooling Capacity

P.In: Power Input

E.W.F: Evaporator Water Flow rate

EV.P.d: Evaporator pressure drop

Evaporator Inlet/Outlet : 55/45 °f



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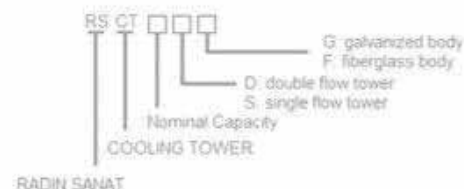
MODEL	Compressor type	A.C.C (MBH)	P.In (Kw)	E.W.F (GPM)	EV.P.d (Ft.Wg)	C.W.F (GPM)	C.P.d (Ft.Wg)
RSCH1-5w	Scroll-Reciprocating	51.8	3.3	10.36	1.7	11.72	2.7
RSCH1-10w	Scroll-Reciprocating	110	6.6	22	2.6	24.6	5.7
RSCH1-20w	Scroll-Reciprocating	210	13.4	42	3	47.6	5.7
RSCH2-20w	Scroll-Reciprocating	220	13.2	44	4.1	49.2	5
RSCH2-30w	Scroll-Reciprocating	324	20.4	64.8	5.6	73.2	4.8
RSCH2-40w	Reciprocating	371	24.5	74.2	5.1	90.8	5.6
RSCH2-50w	Reciprocating	492	32.7	98.4	8	120.8	8.8
RSCH2-60w	Reciprocating	568	37.6	113.6	12	139.2	6.9
RSCH2-70w	Reciprocating	738	49.4	147.6	17.4	181.28	5.0
RSCH2-80w	Reciprocating	846	56.6	169.2	16.6	208	4.4
RSCH3-90w	Reciprocating	852	56.3	170.4	12.9	209	6.9
RSCH2-100w	Reciprocating-Screw	882	61.4	176.4	13.3	218.3	6
RSCH2-120w	Reciprocating-Screw	1106	76.2	221.2	19.1	273	8.5
RSCH2-140w	Screw	1294	92.2	258.8	28	321.7	6.6
RSCH3-150w	Screw	1323	92.1	264.6	16.2	327.5	6
RSCH2-160w	Screw	1502	104.4	300.4	35.4	371.6	8
RSCH2-180w	Screw	1800	119.8	360	13.7	441.7	9.9
RSCH2-220w	Screw	2158	144	431.6	16	529.9	14.3
RSCH4-240w	Screw	2212	152.4	442.4	16.6	546	8.3

NOTE:

- A.C.C: Actual Cooling Capacity
- P.In: Power Input
- E.W.F: Evaporator Water Flow rate
- C.W.F: Condenser Water Flow rate
- EV.P.d: Evaporator pressure drop
- C.P.d: Condenser pressure drop
- Evaporator Inlet/Outlet : 55/45 °f
- Condenser Inlet/Outlet : 85/95 °f



Feeling Chilled



Features:

1. Low noise operation.
2. Installing man way for periodic services.
3. Possibility to fabricate body with galvanized steel and fiberglass by high strength design.
4. In galvanized type pan will coat with Anti-corrosion layer.
5. Possibility to use inverter for motor to save energy.
6. Possibility to install anti-freeze system.
7. Gravitational water distribution without nozzles.
8. Minimum sediment.

MODEL	Nominal capacity	Water flow rate	Electric motor		Overall Dimension (mm)			Water connections	
	Tons	GPM	NO	HP	W	L	H	In	Out
RSCT-55SG	55	165	1	2	140	210	205	3"	4"
RSCT-70SG	70	204	1	2	140	210	220	4"	4"
RSCT-85SG	85	255	1	2	180	240	210	4"	4"
RSCT-110SG	110	330	1	3	180	240	220	4"	4"
RSCT-125SG	125	375	1	3	180	240	225	4"	4"
RSCT-135SG	135	405	1	3	180	240	230	4"	5"
RSCT-170SG	170	510	2	2	360	240	210	4"	5"
RSCT-220SG	220	660	2	2	360	240	220	4"	5"
RSCT-250SG	250	750	2	3	360	240	225	5"	5"
RSCT-270SG	270	810	2	3	360	240	230	5"	5"

Cooling Tower

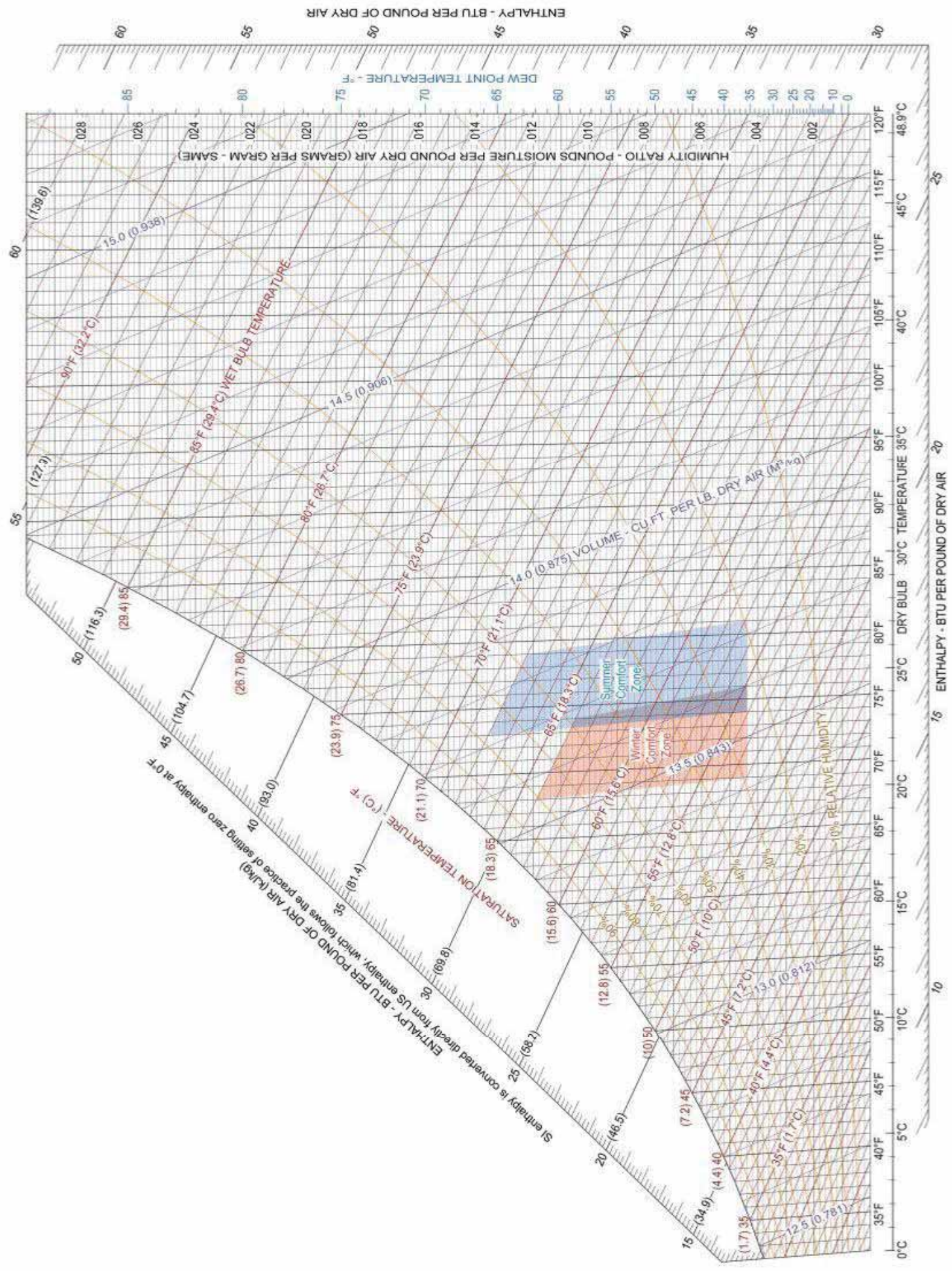
Fiber glass cooling tower features:

1. Square counter flow structure
2. Complete range from 50 to 900 ton.r
3. Flexible operation and adjustment
4. Low running costs
5. Low noise and vibration
6. Smaller dimensions compared to round type
7. Low service area
8. Structure made by FRP
9. Water distribution with antifouling nozzle
10. Equipped with PVC drift eliminator
11. Axial fan with adjustable air foil blade with high efficiency
12. Possibility for using intelligent control system
13. Equipped with ladder with strength and proper protection
14. Resistant to UV radiation
15. Monolith basin with the lowest water leakage



Length	1 in = 25.4 mm 1 ft = 304.4 mm 1 ft = 0.3048 m 1 mile = 1.509 km	1 mm = 0.0394 in 1 mm = 0.003281 ft 1 mm = 3.281 ft 1 km = 0.6215 mile
Mass (weight)	1 grain = 0.0648 gram 1 oz = 28.35 g 1 lb = 454 g 1 lb = 0.454 kg 1 ton = 1.02 tonne	1 g = 15.4 grains 1 g = 0.03527 oz 1 kg = 2.20 lb 1 tonne = 0.984 ton
Area	1 in ² = 645 mm ² 1 ft ² = 0.0929 m ² 1 acre = 0.405 ha	1 mm ² = 0.00155 in ² 1 m ² = 10.76 ft ²
Volume (solids)	1 in ³ = 16387 mm ³ 1 ft ³ = 0.0283 m ³ 1 yd ³ = 0.765 m ³	1 ha = 2.47 acres 1 mm ³ = 0.0000610 in ³ 1 m ³ = 35.3 ft ³ 1 m ³ = 1.31 yd ³
Volume (liquids & gases)	1 floz = 28.4 ml 1 pint = 588 ml 1 pint = 0.568 L 1 impgal = 4.55 L 1 US gal = 3.785 L	1 ml = 0.0352 floz 1 L = 610 in ³ (cubic in) 1 L = 1.76 pints 1 L = 0.220 imp gal 1 L = 0.264 US gal
Pressure	1 psi = 1 lb/in ² = 6.89 kPa 1 lb/ft ² = 47.9 Pa 1 in H ₂ O = 249 Pa 1 ft H ₂ O = 2.99 kPa 1 mm H ₂ O = 9.81 Pa 1 metre H ₂ O = 9.81 kPa 1 in Hg = 3.39 kPa 1 mm Hg = 1 torr = 133.3 Pa 1 standard atmosphere = 101.3 kPa 1 bar = 100 kPa = 0.1 MPa	1 kPa = 0.145 psi 1 kPa = 20.9 lb/ft ² 1 kPa = 4.014 in H ₂ O 1 kPa = 0.335 ft H ₂ O 1 kPa = 102 mm H ₂ O 1 kPa = 0.102 m H ₂ O 1 kPa = 0.295 in Hg 1 kPa = 7.502 mm Hg 1 kPa = .0099 standard atmosphere 1 kPa = .01 bar

Power and Heat Flow Rate	1 horsepower (imperial) = 746 Watts = 0.746 kilowatt 1 horsepower (metric) = 0.736 kilowatt 1 Btu/hour = 0.293 Watt 1 kcal/hour = 1.163 Watts 1 ton refriger. = 3.517 kW 1 MJ = 278 Watts	1 kilowatt = 1.34 horsepower (imperial) = 1.36 horsepower (imperial) 1 kilowatt = 3412 BTU/h 1 Watt = 3.41 Btu/hour 1 Watt = 0.860 kcal/hour 1 kW = 0.284 ton refriger. 1 kW = 3.6 MJ/hour
Rotational Speed	1 RPM = 0.0167 rev/s	1 rev/s = 60 RPM = 6.283 rad/s
Enthalpy Difference	1 BTU/lb = 2.326 kJ/kg	1 kJ/kg = 0.430 BTU/lb
Specific Heat capacity	1 BTU/lb °F = 4.187 kJ/kgK	1 kJ/kgK = 0.239 BTU/lb °F
Kinematic viscosity	1 ft ² /sec = 0.0929 m ² /s 1 stoke = 0.0001 m ² /s	1 m ² /s = 10.76 ft ² /se 1 m ² /s = 10 ⁶ centistokes
Density	1 lb/ft ³ = 16.02 kg/m ³	1 kg/m ³ = 0.0624 lb/ft ³
Energy	1 BTU = 252 calories 1 BTU = 1.06 kJ 1 cal = 4.187 J 1 therm = 106 MJ 1 kilowatt hr = 3.6 MJ	1 cal = 0.00396 BTU 1 kJ = 0.948 BTU 1 MJ = 0.00946 therm 1 MJ = 0.278 kwh
velocity	1 ft/sec = 0.3048 m/s 1 fpm = 0.00508 m/s 1 mph = 1.61 km/hour	1 m/s = 3.28 ft/sec 1 m/s = 196.8 fpm 1 km/hour = 0.621 mph
Temperature interval	1 °F = .555 K	1 K = 1.8 °F
Flow Rate (mass)	1 lb/min = 0.00756 kg/s 1 lb/hr = 0.000125 kg/s	1 kg/s = 132 lb/min 1 kg/s = 7936 lb/hr
(Volume)	1 CFM = 0.472 L/s 1 imp. gpm = 0.076 l/s 1 US gpm = 0.0631 L/s	1 L/s = 2.12 lb/CFM 1 L/s = 13.2 imp.gpm 1 L/s = 15.8 US gpm



SI enthalpy is converted directly from US enthalpy, which follows the practice of setting zero enthalpy at 0°F.

HUMIDITY RATIO - POUNDS MOISTURE PER POUND DRY AIR (GRAMS PER GRAM - SAME)

ENTHALPY - BTU PER POUND OF DRY AIR

DEW POINT TEMPERATURE - °F

ENTHALPY - BTU PER POUND OF DRY AIR

VOLUME - CU.FT. PER L.B. DRY AIR (M³/TO)

10% RELATIVE HUMIDITY

Summer Comfort Zone

Winter Comfort Zone

SATURATION TEMPERATURE (°C) °F

WET BULB TEMPERATURE (°C) °F

ENTHALPY - BTU PER POUND OF DRY AIR

DEW POINT TEMPERATURE - °F

ENTHALPY - BTU PER POUND OF DRY AIR

VOLUME - CU.FT. PER L.B. DRY AIR (M³/TO)

10% RELATIVE HUMIDITY

Summer Comfort Zone

Winter Comfort Zone

SATURATION TEMPERATURE (°C) °F

WET BULB TEMPERATURE (°C) °F





It's Art, not only Industry.

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