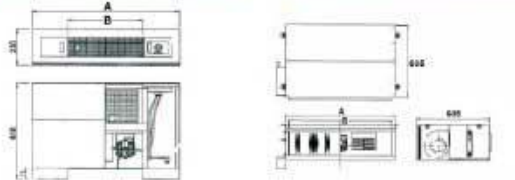


FAN COIL

فن کویل

Yekta Mobadel Sazan produces Fan Coils in exposed or concealed (with or without cabinet) and also floor or ceiling types. Body of the units could be made of carbon steel sheets with electrostatic painting or heat resist compact polyamide material. Fans are polyamide centrifugal type with minimum sound level. Coils consist of copper tubes and aluminum plate type fins in four rows, and are hydrostatically tested with 150 psi.
Below tables and schematics show specification and dimensions of floor exposed and ceiling concealed type fan coils. For additional information please contact our sales department.



FLOOR EXPOSED TYPE				CEILING CONCEALED TYPE					
MODEL	CFM	A	B	MODEL	CFM	A	B		
FC-ET-YMS-25	250	900	600	1/2"	FC-CT-YMS-20	200	650	560	1/2"
FC-ET-YMS-30	300	1100	650	1/2"	FC-CT-YMS-30	300	840	760	1/2"
FC-ET-YMS-40	400	1250	700	1/2"	FC-CT-YMS-40	400	940	860	1/2"
FC-ET-YMS-60	600	1350	800	1/2"	FC-CT-YMS-60	600	1100	1020	1/2"
FC-ET-YMS-80	800	1600	1120	3/4"	FC-CT-YMS-80	800	1240	1280	3/4"
FC-ET-YMS-100	1000	1900	1450	3/4"	FC-CT-YMS-100	1000	1650	1650	3/4"
FC-ET-YMS-120	1200	2280	1830	3/4"	FC-CT-YMS-120	1250	2000	1900	3/4"



TANK HEATER

مخزن کویل دار

Tank Heaters are of the coil & vessel type. The U bundle is of "U" bend construction with tube ends expanded into stationary tubesheet. The construction permits ample expansion or contraction for wide temperature variation. Water in the tank is heated by hot water or steam circulated through the tubes. This unit is designed primarily for natural convection in the tank. Material of tank is hot deep galvanized sheets and coil made of copper tubes. Below table shows tank capacity range with recommended hot water coil. For steam heating media or other condition, please refer to our related catalogue.



HEATER MODEL (HOT WATER)	NORMAL SIZE (TANK/LIT)	GPH	HEATING SURFACE (FT ²)	INLET (INCH)	OUTLET (INCH)	RETURN (INCH)	DIMENSIONS (HxWxD) (MM)
TCW-418-YMS	200	32	6.8	1	1	1/2	400x1000
TCW-434-YMS	300	58	8	1 1/4	1 1/4	3/4	500x1500
TCW-536-YMS	400	85	10.5	1 1/4	1 1/4	3/4	580x1500
TCW-642-YMS	500	110	12.7	1 1/4	1 1/4	3/4	640x1800
TCW-842-YMS	600	142	15	1 1/2	1 1/2	3/4	710x1900
TCW-836-YMS	800	158	18	1 1/2	1 1/2	1	820x1800
TCW-936-YMS	1000	206	23	2	2	1	790x2000
TCW-1024-YMS	1250	210	27	2	2	1	850x2000
TCW-1030-YMS	1500	230	34.5	2	2	1	950x2000
TCW-1036-YMS	2000	365	42	2	2	1 1/4	1120x2300
TCW-1042-YMS	2500	475	50	2 1/2	2 1/2	1 1/4	1120x2500
TCW-1048-YMS	3000	555	55	2 1/2	2 1/2	1 1/4	1230x2500
TCW-1248-YMS	3500	625	63	2 1/2	2 1/2	1 1/4	1320x2500
TCW-1442-YMS	4000	950	102	3	3	1 1/2	1360x3000
TCW-1448-YMS	5000	1112	116	3	3	1 1/2	1450x3000
TCW-1454-YMS	6000	1305	131	3	3	2	1420x3500

PACKAGED UNIT (WATER COOLED)

پکیج یونیت آبی

Yekta Mobadel Sazan's water cooled units are used as a complete unit for generating comfort hot or cold conditioned air. They are produced in horizontal or vertical models. The unit works with cooling tower and its capacity range is from 5 to 80 refrigeration tons. Reciprocating, screw or scroll compressors are provided from most famous companies like York, Copeland and Bitzer. Evaporator's fans are centrifugal forward or backward curve made by European companies like Nicotra or Comfri. Frame of the unit is aluminum profile and panels made of galvanized sheets. Body of the unit isolated with polyurethane or polyethylene sheets with thickness from 1/2 to 2 inches depending the order. Cooling coils are DX type and heating coils could be hot water or steam type. Filtration media in general is aluminum flat or V type washable filters but other types of filters could be provided. Shell and tube condenser's tubes are low finned copper tube and shell made of seamless pipe. Mechanical and electrical control instruments are provided from the most well-known European brands.



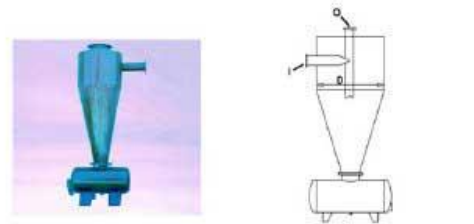
WATER COOLED PACKAGED UNIT										
CONDENSER ENTIRE WATER TEMPERATURE (°C)				ENTERING WET BALL TEMPERATURE (°F)						
MODEL NO.	CONDENSER	AIR FLOW	COOLING (TONS)	TOTAL SENSIBLE	COMPRESSOR	R-22	WEIGHT	DIMENSION		
	GPM	POD FT	CFM	BTU	HP	FLA	KG	L (mm)	W (mm)	H (mm)
PW-6-YMS-1	18	6	1730	64	41	4.9	9.8	3.5	440	1200x1300x800
PW-9-YMS-1	18	8	2330	89	45	4.9	9.8	3.8	440	1200x1300x800
PW-10-YMS-1	33	12	3480	134	81	8.2	16.5	7	920	1400x1600x900
PW-12-YMS-1	33	12	3690	145	86	8.2	16.5	7	920	1400x1600x900
PW-15-YMS-1	42	10	4610	178	114	11	21	10.4	700	1500x1600x900
PW-18-YMS-1	42	10	5030	183	121	11	21	10.8	700	1500x1600x900
PW-20-YMS-1	60	11	6390	203	138	12.8	23	14	800	1600x1700x1000
PW-26-YMS-1	60	11	7330	227	145	12.5	23	14	800	1600x1700x1000
PW-18-YMS-2	48	6	5250	196	125	12	23	11	920	2000x2000x1000
PW-18-YMS-2	48	6	5730	203	136	12	23	11	920	2000x2000x1000
PW-20-YMS-2	65	13	6550	208	140	16	30	14	1100	2000x2200x1100
PW-26-YMS-2	65	13	8690	288	192	16	30	14	1100	2000x2200x1100
PW-30-YMS-2	85	10	9050	343	248	32	42	21	1200	2700x2400x1100
PW-36-YMS-2	85	10	12200	423	318	32	42	21	1200	2700x2400x1100
PW-40-YMS-2	100	11	11000	416	271	35	46	28	1400	2800x2400x1400
PW-48-YMS-2	100	11	15000	481	339	35	46	28	1400	2800x2400x1400



HYDRO CYCLONE

هیدرو سیکلون

A hydro cyclone is a device that separates sand or other solid from water. It is most often used to separate sand from river or well water. A hydro cyclone consists of a cylindrical section at the top where water enters tangentially, a conical base and a bottom box. A hydro cyclone has two exits on the axis: the smaller on the bottom for sand and a larger at the top for filtered water. Internally, centrifugal force is countered by the resistance of the water, with the effect that larger or denser particles are transported to the wall, eventually drop down the sand into bottom box. Where it can be removed later - water with finer particles exit at the top of the vessel through a tube extended slightly into the body of the cyclone at the center.

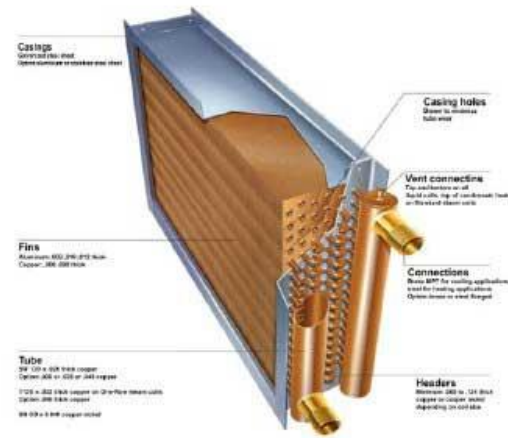


HYDROCYCLONE							
MODEL	OPM	D(mm)	I(inch)	O(inch)	VESSEL(I)H THK(mm)	PRESSURE(psi)	
HC-8-YMS	36-66	200	2	10	3	15-150	
HC-12-YMS	66-102	324	2	3	20	3	15-150
HC-16-YMS	120-156	406	4	5	25	3	15-150
HC-20-YMS	156-216	508	5	6	35	4	15-225
HC-24-YMS	240-324	610	6	8	50	4	15-225
HC-28-YMS	360-480	711	8	10	75	5	15-270
HC-32-YMS	480-624	812	10	12	100	5	15-270
HC-40-YMS	672-1032	1016	12	14	125	6	15-270

Air Conditioning & Central Heating Equipments

HEATING & COOLING AIR COIL کویل هوایی گرمایی و سرمایی

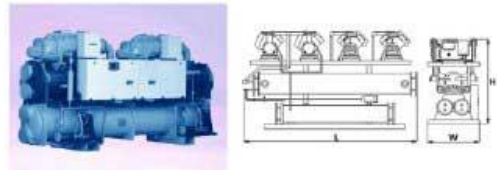
Air coils are finned type heat exchangers where air flows outside the tubes. The coil mostly are used as heating and cooling in different types of direct expansion, hot water and steam coils in air handling, packaged units and air cooled condensers. It also could be used for heating, cooling and condensing of water or other fluids in industries. Copper tubes and aluminum fin plates normally are used in these coils but for humid climate copper fin are available. For steam coils both thick wall copper or seamless carbon steel tubes are used. In this case fin material could be galvanized carbon steel, stainless steel or aluminum in both types of plate or spiral fins.



Air Conditioning & Central Heating Equipments

CHILLER (WATER COOLED) چیلر آبی

LCW models water cooled chillers are available with reciprocating or screw compressors suitable for refrigerants R-22, R134a and R407c according to the international standards. Long life, easy service and maintenance and accurate dimensional specification are the good advantages of this type of chillers. Capacity ranges varies from 5 to 200 RT with one to six compressors. Compressors are available in two types of reciprocating or screw. They are hermetic or semi hermetic, heavy duty which are provided from well known brands such as Copeland, Bitzer and York. The Condenser is shell & tube heat exchanger, consists of seamless pipe for shell, low finned copper tubes and Brass baffles. It is pneumatically tested with nitrogen up to 400 psig. Evaporators could be shell & tube or copper braided type plate heat exchanger. Shell and tube evaporator comprise of seamless shell and inner finned tubes or bare tube with aluminum inserts to help evaporation inside the tube and therefore increases the efficiency of evaporators. Mechanical instruments like expansion valve, safety valve, solenoid valve, high and low pressure control, oil pressure control thermostat and anti-flood are provided from European Companies like Alco, Danfoss, Johnson control and so on. Electrical instruments like contactors, bimetal, fuses, and phase controls are Telemecanique, simensa or other good brands. Yekta Mobadel Sazan's chillers have two years guarantee and ten years after sales service.



WATER COOLED RECIPROCATING CHILLER

MODEL NO.	CAP.	NO. OF	POWER	FLA	CHILLED WATER	COOLING WATER	DRENCH CR.
مدل	توان	تراکم تراکم کننده	توان الکتریکی	آمپر	دما در ورودی / دما در خروجی	دما در ورودی / دما در خروجی	درجه حرارت
LCW-5-YMS-1	5.7	1	3.5	8.3	12.2	27.2	16.4
LCW-10-YMS-1	8.7	1	6.2	14	22.2	3	25
LCW-15-YMS-1	13.4	1	11.2	26	36.3	8.1	38
LCW-20-YMS-1	17.4	1	15.2	35	42.2	12.1	42
LCW-25-YMS-1	21.4	1	19.2	44	48.2	16.1	46
LCW-30-YMS-1	25.4	2	23.2	53	54.2	20.1	50
LCW-40-YMS-1	34.4	2	31.2	72	60.2	24.1	54
LCW-50-YMS-1	43.4	3	39.2	91	66.2	28.1	58
LCW-60-YMS-1	52.4	3	47.2	110	72.2	32.1	62
LCW-70-YMS-1	61.4	3	55.2	129	78.2	36.1	66
LCW-80-YMS-1	70.4	3	63.2	148	84.2	40.1	70
LCW-90-YMS-1	79.4	3	71.2	167	90.2	44.1	74
LCW-100-YMS-1	88.4	3	79.2	186	96.2	48.1	78
LCW-120-YMS-1	106.4	4	95.2	224	112.2	56.1	86
LCW-140-YMS-1	124.4	4	111.2	262	128.2	64.1	94
LCW-160-YMS-1	142.4	4	127.2	300	144.2	72.1	102
LCW-180-YMS-1	160.4	4	143.2	338	160.2	80.1	110
LCW-200-YMS-1	178.4	4	159.2	376	176.2	88.1	118
LCW-220-YMS-1	196.4	4	175.2	414	192.2	96.1	126
LCW-240-YMS-1	214.4	4	191.2	452	208.2	104.1	134
LCW-260-YMS-1	232.4	4	207.2	490	224.2	112.1	142
LCW-280-YMS-1	250.4	4	223.2	528	240.2	120.1	150
LCW-300-YMS-1	268.4	4	239.2	566	256.2	128.1	158

Air Conditioning & Central Heating Equipments

SAND FILTER فیلتر شن

Pressure sand filters offered by YEKTA MOBADEL SAZAN are used for water purification processes of different types of water like river, well, and pool. For delivering optimum performance, these pressure filters consist of pressure vessel that could be vertical or horizontal, equipped with front pipework and valves, graded silica quartz sand in 4 layers from pebbles to gravels, water distributor and under drain system to collect filtered water.



SAND FILTER

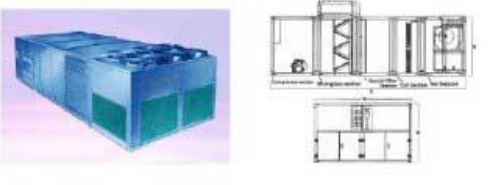
MODEL	CAPACITY (M ³ /HR)	PIPE SIZE (INCH)	DIMENSIONS (mm)	WASH FLOW (M ³ /HR)	HEIGHT OF SAND (mm)
مدل	ظرفیت (مترمکعب در ساعت)	سایز لوله	اندازه	دبی آب شستشو	ارتفاع شن
SP-30-YMS	3	1 1/2	500*1000	4	80
SP-40-YMS	3	1 1/2	600*1200	6	100
SP-20-YMS	4.5	2	750*1200	9	100
SP-40-YMS	6.5	2	900*1200	13	100
SP-120-YMS	8	2	1000*1600	16	100
SP-125-YMS	13	3 1/2	1250*1900	20	100
SP-140-YMS	16	3	1400*1900	20	100
SP-180-YMS	17.5	3	1800*1900	26	100
SP-180-YMS	20	4	1800*1900	30	100
SP-210-YMS	30	4	2100*1900	70	100
SP-240-YMS	44	4	2400*1900	30	100
SP-270-YMS	07	0	2700*1900	110	100
SP-390-YMS	44	0	3900*1900	130	100



Air Conditioning & Central Heating Equipments

PACKAGED UNIT (AIR COOLED) یکج یونیت هوایی

Yekta Mobadel Sazan's air cooled packaged units are used as a complete unit for generating comfort hot or cold conditioned air. They are produced in split or roof mounted types with horizontal or vertical mounting. This type of package units works with air cooled condenser and there is no need for cooling tower. In roof mounted models, air cooled condenser is attached to main unit but in split type the condenser is a separate unit. Reciprocating, screw or scroll compressors are provided from most famous companies like York, Copeland and Bitzer. Evaporator's fan is centrifugal forward or backward curve made by European companies like Nicotra or Corral. Frame of the Units is aluminum profile and panels made of galvanized sheets. Body of the unit isolated with polyurethane or polyethylene sheets with thickness from 1 to 2 inches depending on type. Cooling coils are DX type and heating coils could be hot water or steam type. Filteration media is general aluminum flat or V type washable filters but other types of filters could be provided. Air cooled Condenser consist of a coil with copper tubes and aluminum plate type fins normally in three rows and 10 to 12 FPM and side heavy duty fans. Mechanical and electrical control instruments are provided from the most well-known European brands.



AIR COOLED PACKAGED UNIT

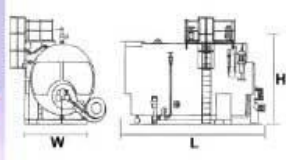
MODEL NO.	AIR FLOW (CFM)	COOLING CAPACITY (BTU/HOUR)	HEATING CAPACITY (BTU/HOUR)	COMPRESSION	R-22	HEIGHT (IN)	DIMENSION (L*W*H) (mm)
مدل	ظرفیت	توان سرمایی	توان گرمایی	تراکم تراکم کننده	شارژ (کیلوگرم)	ارتفاع	اندازه (طول*عرض*ارتفاع)
PUA-6-YMS-1	1790	66	40	900	2.5	10.5	2.6
PUA-9-YMS-1	2290	88	42	940	3.5	10.5	3.1
PUA-15-YMS-1	3290	120	80	260	11	18	4.5
PUA-18-YMS-1	4490	129	83	260	11	18	4.8
PUA-15-YMS-2	4490	168	189	265	13.5	24	7
PUA-18-YMS-2	6090	178	178	265	13.5	24	7
PUA-20-YMS-1	6290	139	130	260	16	20.5	9
PUA-20-YMS-2	7290	194	198	420	16	20.5	9
PUA-15-YMS-2	6290	185	124	350	18	27.5	7
PUA-18-YMS-2	7190	178	142	360	18	27.5	7
PUA-20-YMS-2	8090	238	189	360	21.5	35.5	9
PUA-20-YMS-2	9090	247	195	420	21.5	35.5	9
PUA-20-YMS-2	9090	318	215	510	27	49	16
PUA-20-YMS-2	9290	340	230	760	27	49	16
PUA-40-YMS-2	11000	380	280	880	33	62	18
PUA-40-YMS-2	11000	314	276	880	32	62	18

Air Conditioning & Central Heating Equipments

STEAM BOILER

دیگ بخار

YMS steam boilers are fire tube, three pass and are conventional type. They are designed and fabricated according to BS 2790 in two types of wet or dry back. These steam boilers generally are produced in capacities range of 0.5 to 16 ton/hr with working pressure from 6 to 20 bars. Shell, combustion chamber and tubesheets are made of 17Mn4 or similar plates. In high pressure boilers, for increasing the resistance to thermal expansion and also improves heat transfer rate, combustion chambers have needed numbers of loops. For high level of safety, our steam boilers have two safety valves and also pressure switch to turn off the burner in case of increasing pressure. All of the equipments including burners, valves and control panel are provided from well known brands. Isolation of shell made of stone wool or ceramic materials and covered by aluminum or stainless steel sheets.



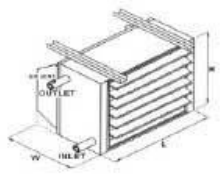
STEAM BOILER (10 BAR)												
MODEL	CAP. (TON/HR)	DIMENSIONS (mm)			CHIMNEY DIA	SAFETY VALVE	CONNECTION	WEIGHT (TON)	FUEL CONSUMPTION			
مدل	ظرفیت	L	W	H	قطر دیگ	شیر	انواع	خالی	پر آب	مصرف سوخت		
SB-20-YMS	2	4100	2100	2300	19"	1.54"	4"	1"	7.5	12.5	35	130
SB-25-YMS	2.5	4050	2150	2400	19"	1.52"	4"	1"	8	15	130	200
SB-30-YMS	3	3100	2200	2500	12"	1.52"	4"	1.14"	10	16.5	100	230
SB-40-YMS	4	3400	2400	2700	14"	2"	5"	1.14"	12	22.5	230	300
SB-45-YMS	5	5200	2500	3000	18"	3"	5"	1.14"	14.2	25	352	430
SB-46-YMS	6	5000	2600	2900	20"	3"	5"	1.12"	17.1	25.2	440	484
SB-48-YMS	8	4950	2750	3100	24"	3"	5"	2"	21.2	37.7	604	633
SB-10-YMS	10	6000	3000	3450	28"	4"	8"	2.12"	26.4	46.3	715	749
SB-12-YMS	12	7000	3100	3500	30"	4"	8"	2.12"	28.7	49.9	695	833
SB-14-YMS	14	7400	3300	3500	32"	5"	8"	2.12"	32	59.7	957	1003
SB-16-YMS	16	7000	3500	3800	34"	5"	8"	2.12"	36.1	67.6	1112	1165

Air Conditioning & Central Heating Equipments

UNIT HEATER

یونیت هیتر

Unit heaters are most often used in industrial plants, sport clubs or swimming pools. Yekta Mobadel Sazan Co. produces unit heaters in two types of hot water or steam heating media. Hot water or low pressure steam coils comprise of copper tubes and plate type aluminum fins in two rows. High pressure steam coils have seamless carbon steel tubes with spiral type aluminum fins in one or two rows. Body frame and dampers are made of heavy gages carbon steel sheets with high quality industrial painting. All units are furnished with totally enclosed motors in two speeds of 950 or 1450 rpm. All motors are isolated from the frame by resilient isolator. This mounting along with balanced fan blades and excellent overall construction integrity, assure the utmost in quiet operation. The Units could be supplied in both horizontal and ceiling mounted models.



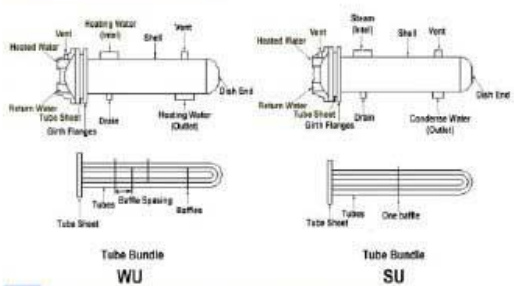
UNIT HEATER														
HOT WATER MODEL	STEAM MODEL	MOTOR HP	1450 RPM					950 RPM					HOT WATER CONNECTION (WxH)	DIMENSIONS (WxLxH)
			WATER (GPM)	WATER (15 PSIG)	WATER (15 PSIG)	WATER (15 PSIG)	WATER (15 PSIG)	WATER (15 PSIG)	WATER (15 PSIG)	WATER (15 PSIG)	WATER (15 PSIG)	WATER (15 PSIG)		
UH-3-YMS	US-3-YMS	300	112	18	23	108	920	15	23	1.6	2 1/2"	488	490	400
UH-5-YMS	US-5-YMS	300	118	20	45	308	920	22	34	2.5	2 1/2"	558	558	400
UH-8-YMS	US-8-YMS	800	154	42	78	586	917	37	55	4	2 1/2"	548	490	480
UH-10-YMS	US-10-YMS	1100	164	50	100	656	910	47	77	5.5	2 1/2"	608	490	500
UH-14-YMS	US-14-YMS	1400	173	71	125	606	118	80	90	7	2 1/2"	688	490	500
UH-16-YMS	US-16-YMS	1600	183	84	150	550	110	72	115	8.5	2 1/2"	728	490	500
UH-22-YMS	US-22-YMS	2200	192	118	210	1490	116	100	170	12	2 1/2"	808	490	480
UH-24-YMS	US-24-YMS	2400	192	131	225	1390	114	118	205	12.5	2 1/2"	808	490	480
UH-32-YMS	US-32-YMS	3200	214	170	305	2100	114	135	241	16	2 1/2"	908	700	750
UH-44-YMS	US-44-YMS	4400	244	210	410	2850	110	190	340	23	2 1/2"	1008	700	750

Air Conditioning & Central Heating Equipments

WU & SU HEAT EXCHANGERS

مبدلهای حرارتی آبگرم و بخار

These type of heat exchangers are shell & tubes. Tube bundles consist of one tubesheet and some copper U tubes. The shell material for these heat exchangers made of seamless carbon steel pipes or rolled plates depends on shell diameter. WU type is used for instantaneous domestic hot water supply, swimming pool, juice water heater and so on. Heating water are supplied by hot water boiler. SU type heat exchangers are used for air heating equipments in buildings, as a heating source for WU type and also as a hot water generator (converter) where hot water boiler is not exist. Therefore in this type of heat exchangers, heating media is steam with different pressure for different uses.



Air Conditioning & Central Heating Equipments

COOLING TOWER (FIBER GLASS TYPE)

برج خنک کن فایبرگلاس

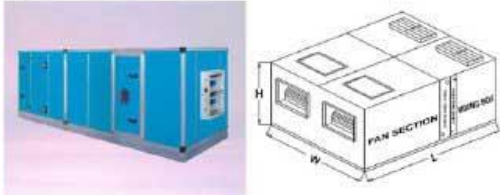
Yekta Mobadel Sazan's fiberglass cooling towers are used in air conditioning and industrial cooling systems in both types of open or closed circuit. In these units the flow of air and water are counter flow. FRP cooling towers are bottle type and have a good resistance against storm and also because of its round shape, it has a uniform air distribution and therefore maximum efficiency could be achieved. Water distribution system consists of a sprinkler. PVC pipes with drip eliminator mounted on them. A single axial fan with aluminum or fiberglass blades provides induced draught cooling air. Wide blade, low rotational speed and suitable blades curvature cause maximum air flow while minimizing vibration and sound level. wavy form, honey comb arranged PVC packings are used as heat transfer contact surface to improve and gain cooling rate. All pipe connections, bolts, platform, ladder and legs are hot dip galvanized.



FIBER GLASS COOLING TOWER SPECIFICATIONS														
MODEL	CAP. (TON)	AIR FLOW (1000 CFM)	WATER FLOW (GPM)	WATER FLOW (GPM)	CHIMNEY DIA (mm)	WIND SPEED (mm)	MOTOR (HP)	BL. LEV. (mm)	BL. LEV. (mm)	BL. LEV. (mm)	BL. LEV. (mm)	BL. LEV. (mm)	BL. LEV. (mm)	WEIGHT (KG)
PCT-20-YMS	20	4100	85	105	1050-1150	1170	0.5	2	2	2	2	2	2	180
PCT-30-YMS	30	10500	100	105	1050-1150	716	1	2	3	3	3	3	3	192
PCT-45-YMS	45	18500	130	105	1050-1150	346	1	3	3	3	3	3	3	240
PCT-50-YMS	50	23000	105	105	2100-2300	1170	1.5	3	3	3	3	3	3	300
PCT-60-YMS	60	31500	200	210	2100-2300	1170	2	4	4	4	4	4	4	375
PCT-80-YMS	80	44000	270	210	2100-2300	1170	2	4	4	4	4	4	4	470
PCT-100-YMS	100	61000	325	205	2050-2150	1200	2	4	4	4	4	4	4	520
PCT-150-YMS	150	84000	500	300	2050-2150	1450	3.0	5	5	5	5	5	5	750
PCT-200-YMS	200	103000	670	270	2700-2900	1450	3.5	6	6	6	6	6	6	1044
PCT-300-YMS	300	120000	850	400	4000-4300	1750	4.5	8	8	8	8	8	8	1281
PCT-400-YMS	400	163000	1100	400	4000-4300	2270	6	8	8	8	8	8	8	1610
PCT-500-YMS	500	183000	1500	550	4500-4800	2550	7.5	10	10	10	10	10	10	2043
PCT-750-YMS	750	238000	2250	850	4800-5100	3200	10	14	14	14	14	14	14	2828

AIR HANDLING UNIT

AHU air handling units are produced in range of 2000 to 50000 CFM in single or multi zone, vertical or horizontal types. Centrifugal forward or backward fans used in units are provided from European well-known companies like Nikotra and Comfri. Fans are balanced statically and dynamically. cooling coils are cold water or DX type. Heating coils are hot water or steam type. Coils are made of copper tubes and aluminum plate or spiral type fins. Filter sections consist of at least one bed of washable aluminum filter in flat or V pattern. Other types of filters like bag filters, Pleated, Hepa, Ulpa, and U.V are available on request. unit's Frame made of extruded aluminum profile and panels are galvanized sheets in form of single or jacketed, with polyethylene isolation.



MODEL NO	NOMINAL CFM	COOLING CAP (REES)		HEATING CAP (HOT WATER)		HEATING CAP (STEAM)		DIMENSIONS (L x W x H) (mm)
		(FCM/WH/HP)	(FCM/W/HP)	(FCM/WH/HP)	(FCM/W/HP)	(FCM/WH/HP)	(FCM/W/HP)	
AHU-2-YARS	2000	78	110	92	130	280	2850x1950x850	
AHU-4-YARS	4000	120	150	195	250	480	2200x1900x1000	
AHU-7-YARS	7000	215	260	348	475	680	2700x1450x1200	
AHU-10-YARS	10000	310	410	490	680	980	3000x1900x1400	
AHU-15-YARS	15000	510	600	775	1025	1470	3400x2300x1500	
AHU-20-YARS	20000	695	880	960	1345	1700	2450x2400x1700	
AHU-25-YARS	25000	765	975	1055	1425	2150	2500x2500x1800	
AHU-30-YARS	30000	855	1125	1200	1675	2465	3000x3000x1500	
AHU-35-YARS	35000	1015	1305	1450	2045	3000	3400x3400x1500	
AHU-35-YARS	50000	1220	1548	1800	2305	3550	5000x1700x1600	
AHU-40-YARS	40000	1380	1835	2120	2805	4110	3600x5000x1800	
AHU-45-YARS	45000	1565	1980	2385	3160	4480	3700x5200x2000	
AHU-50-YARS	50000	1710	2200	2600	3470	4860	3800x5400x2000	

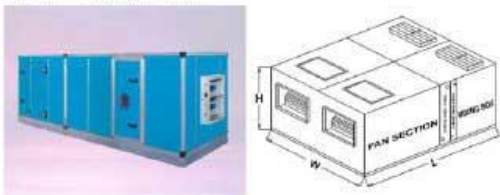
PRESSURE VESSEL

Whether you have a design to be fabricated or need a vessel to be designed and fabricated, YEKTA MOBADEL SAZAN have the qualified staff and most powerful soft wares like PV-ELIT and Compressor to handle all of your pressure vessel needs. YMS has the capability to design and manufacture pressure vessel up to 30 m³, complex vessels and piping systems to suit customer requirements. You can be assured that it will be designed, formed and welded in complete compliance with the ASME code. The manufacturing Q.C processes include the hydrostatic tests with 1.5 times the design pressure, NDT tests and also on request inspection of the vessel by an independent certified inspector.



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