



Product Catalogue



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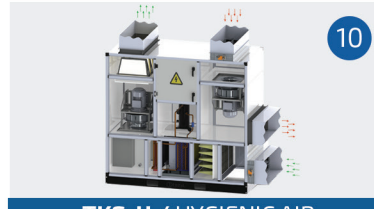
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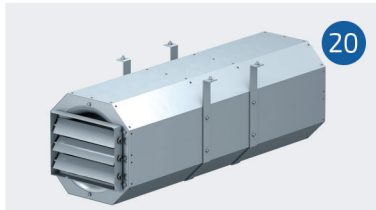
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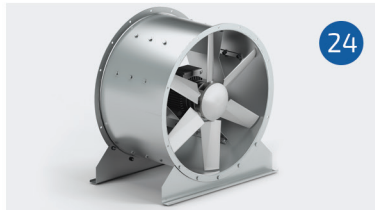
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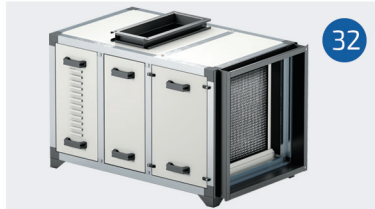
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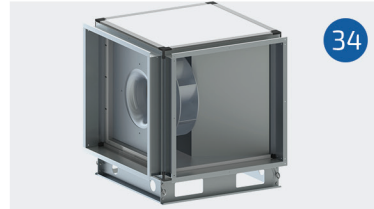
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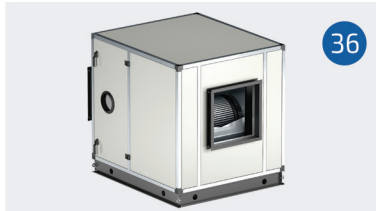
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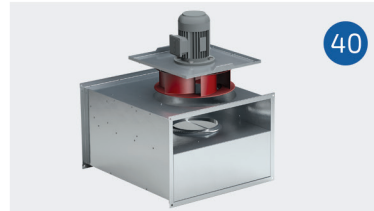
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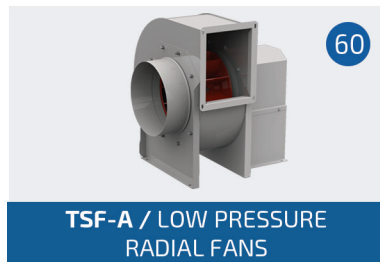
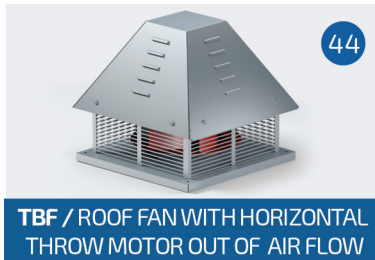
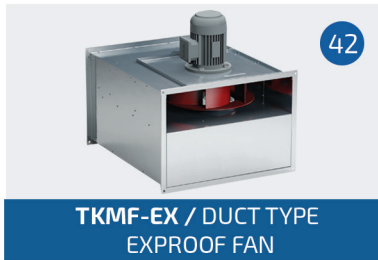
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TKMF / DUCT TYPE KITCHEN FAN





AIR HANDLING UNIT

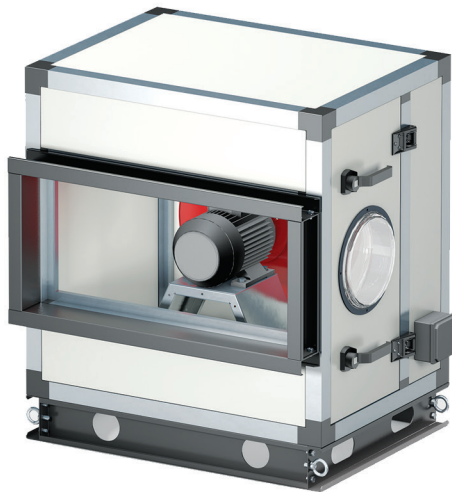
TKS

Air handling units which are modular designed and produced in a double walled construction with a wall thickness of 40 mm or 60 mm, with rock wool insulation, within the range of 1.000 m³ / h to 125.000 m³ / h air flow. TEZEL Air Handling Units are used for air conditioning in residential, commercial and industrial facilities. The exterior surfaces of A / C plants are painted galvanized sheet in RAL 9002 colour and the inner surfaces can be produced using galvanized, painted or stainless sheet according to demand and application.

Heat Recovery System

In our day and age, plated, rotor and battery- type heat recovery elements are used for the energy-saving which is of vital importance. The heat recovery devices used in the TEZEL air conditioning systems approximate the enthalpy and the heat of the fresh air with the internal volume conditions by ensuring the pre-heating (cooling) with the exhaust air of the fresh air obtained from the exterior conditions.



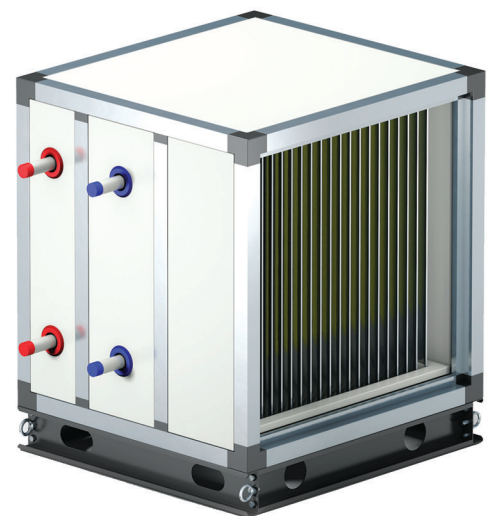


Fans & Engine

There is a fan cell in the air conditioning unit for the air circulation with aspirator and/or ventilator according to the environment requirements. While forward curved wing-type fans are preferred for the low pressure units, both forward curved and backward curved wing-type fans can be used for the medium and high pressure units. In addition to these, the aerofil wing-type fans are preferred as they are productive and run at lower noise levels.

Cooling Heating Cell

The batteries are selected according to the fluid type. The battery pipes can be copper or steel, the battery wings can be aluminium, copper or steel. The aluminum or copper wings can be covered with epoxy or hydrophilic. The collectors can be steel or copper. The test pressures are 20 bars. It can be under 30 bars upon demand. It is mounted on the skidders in order to easily dismantle for maintenance.



The Mixture and Filter Cell

The cell is composed of 3 G3-G4 filters with damper and tray. A sum of air is exhausted from this point with the exhaust damper on this cell and fresh air is received at the same amount from other dampers. It is released to the environment by conditioning after the mixture with the interior air. The air settings in this cell can be adjusted manually or with the damper engines at the desired rate. The dampers are aluminum aerodynamic winged and born at the both sides. The filter is protected at the both surfaces with the mesh wire and it can easily be dismantled and cleaned by moving the tray through the skidders.

Humidifier Cell

The humidifiers are used for the filling, steam, ultrasonic types. The humidifier cell is used for humidifying the air. The air passing through the unit is saturated with the humidifier by pulverizing the water and the necessary project conditions are met. There is watertight water basin under the cells. There are aluminum eliminators (drift eliminator) at the cell outlets in order to prevent the water drift. Steam humidifier cells contain a generator steam and they can be mounted in the empty cells optionally.



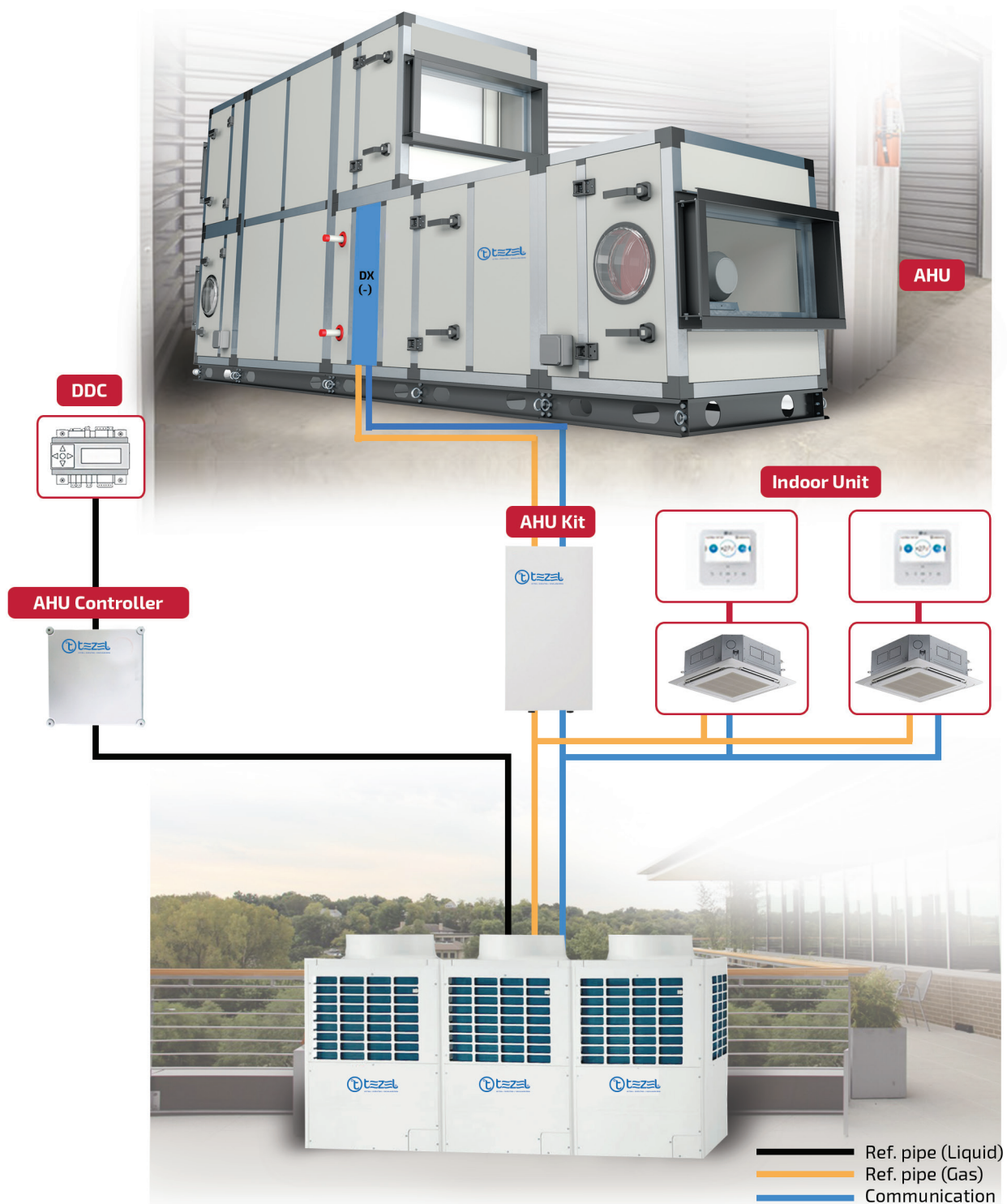
PRODUCT CODE	EXTERNAL DIMENSIONS		INTERNAL DIMENSIONS		SERPANTIN FAYDALI ALANI	AIR VELOCITY AND AIRFLOW (M ³ /H)						
	HEIGHT (H)MM	WIDTH (W)MM	HEIGHT (H)MM	WIDTH (W)MM		3,5 M/S	3,25 M/S	3,0 M/S	2,75 M/S	2,5 M/S	2,25 M/S	2,0 M/S
TKS 1010	750	750	670	670	0.29	3,634	3,374	3,115	2,855	2,596	2,336	2,076
TKS 1015	750	1050	670	970	0.46	5,751	5,39	4,929	4,518	4,108	3,697	3,286
TKS 1020	750	1350	670	1270	0.62	7,867	7,305	6,744	6,182	5,620	5,058	4,496
TKS 1515	1050	1050	970	970	0.70	8,777	8,150	7,523	6,896	6,269	5,642	5,016
TKS 1520	1050	1350	970	1270	0.95	12,028	11,169	10,310	9,451	8,591	7,732	6,873
TKS 1525	1050	1650	970	1570	1.21	15,279	14,187	13,096	12,005	10,913	9,822	8,731
TKS 2020	1350	1350	1270	1270	1.28	16,078	14,929	13,781	12,632	11,484	10,336	9,187
TKS 2025	1350	1650	1270	1570	1.60	20,170	18,729	17,289	15,848	14,407	12,966	11,526
TKS 2030	1350	1950	1270	1870	1.95	24,555	22,801	21,047	19,293	17,539	15,785	14,031
TKS 2525	1650	1650	1570	1570	1.97	24,767	22,998	21,228	19,459	17,690	15,921	14,152
TKS 2530	1650	1950	1570	1870	2.40	30,210	28,052	25,894	23,736	21,578	19,421	17,263
TKS 2535	1650	2250	1570	2170	2.83	35,653	33,106	30,560	28,013	25,466	22,920	20,373
TKS 3030	1950	1950	1870	1870	2.87	36,175	33,591	31,007	28,423	25,839	23,255	20,671
TKS 2540	1650	2500	1570	2420	3.17	39,917	37,066	34,214	31,363	28,512	25,661	22,810
TKS 3035	1950	2250	1870	2170	3.39	42,752	39,698	36,644	33,591	30,537	27,483	24,430
TKS 3040	1950	2500	1870	2420	3.80	47,904	44,482	41,061	37,639	34,217	30,795	27,374
TKS 3535	2250	2250	2170	2170	3.95	49,737	46,185	42,632	39,079	35,527	31,974	28,421
TKS 3045	1950	2800	1870	2720	4.32	54,481	50,590	46,698	42,807	38,915	35,024	31,132
TKS 3540	2250	2500	2170	2420	4.46	56,163	52,152	48,140	44,128	40,117	36,105	32,093
TKS 3545	2250	2800	2170	2720	5.04	63,489	58,954	54,419	49,884	45,349	40,814	36,279
TKS 4040	2500	2500	2420	2420	4.97	62,613	58,141	53,668	49,196	44,724	40,251	35,779
TKS 3550	2250	3100	2170	3020	5.65	71,200	66,114	61,029	55,943	50,857	45,771	40,686
TKS 4045	2500	2800	2420	2720	5.63	70,981	65,911	60,841	55,771	50,701	45,631	40,560
TKS 4050	2500	3100	2420	3020	6.32	79,637	73,949	68,26	62,572	56,884	51,195	45,507
TKS 4055	2500	3400	2420	3320	7.01	88,293	81,987	75,860	69,373	63,067	56,760	50,453
TKS 4060	2500	3700	2420	3620	7.69	96,948	90,024	83,100	76,175	69,250	62,325	55,400



AIR HANDLING UNIT WITH DX COILS

DX AHU is the Heat Pump AHU combined with unique technology of the AHU and VRF outdoor unit. As a new solution, it can provide cooling, heating and free cooling operations for energy reduction via air control throughout external and internal environments during all seasons.

When controlling the indoor air temperature, user can choose to set indoor temperature that matches either the supply air or return air via temperature sensor.





Architecture of high **quality air**



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