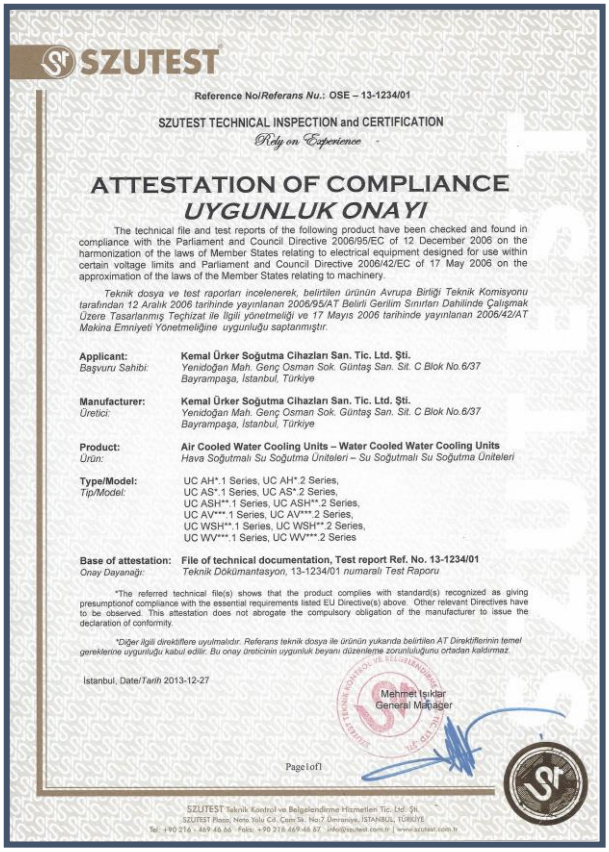
ÜLKER CHILLERS

AIR COOLED CHILLER

GENERAL INFORMATIONS

- Devices only operate in cooling mode.
- Enviromental-friendly R407c coolant is utilized in standard products. The system can be created with various coolants depending on the water temperature regime or preferences.
- As water coolant whereas type varies depending on the models, DX, plunge type copper piped serpentine, shell & tube type evaporator or plated exchanger is utilized.
- High efficiency axial type fan is utilized.
- Copper piped, aluminium finned and high efficiency condenser is utilized. Choice of secured condenser suitable to be operated under hot climate conditions is made. Various material alternatives such as epoxy-coated aluminium lamella, copper lamella, hydrophilic-coated lamella, etc. are available in the condensers depending on the working environment or preferences.
- Power supply is 380 – 400 V – 3 phase – 50 Hz, whereas electrical panel and in-device cabling is in compliance with EN 60204-1 standard.
- High device efficiency and low energy consumption are ensured by means of control system with microprocessor.
- The products are manufactured with CE and Domestic Goods Certificates in the factory where ISO 9001: 2008 Quality Management System is applied.



SZUTEST

Reference No/Referans Nu.: OSE – 13-1234/01

SZUTEST TECHNICAL INSPECTION and CERTIFICATION

Rely on Experience

ATTESTATION OF COMPLIANCE

UYGUNLUK ONAYI

The technical file and test reports of the following product have been checked and found in compliance with the Parliament and Council Directive 2006/95/EC of 12 December 2006 on the harmonization of the laws of Member States relating to electrical equipment designed for use within certain voltage limits and Parliament and Council Directive 2006/42/EC of 17 May 2006 on the approximation of the laws of the Member States relating to machinery.

Teknik dosya ve test raporları incelenerek, belirtilen ürünün Avrupa Birliği Teknik Komisyonu tarafından 12 Aralık 2006 tarihinde yayınlanan 2006/95/AT Belirli Gerilim Sınırları Dahilinde Çalışmak Üzere Tasarlanmış Teçhizat ile İlgili yönetmeliği ve 17 Mayıs 2006 tarihinde yayınlanan 2006/42/AT Makina Emniyeti Yönetmeliğine uygunluğu saptanmıştır.

Applicant: / *Başvuru Sahibi:* **Kemal Ürker Soğutma Cihazları San. Tic. Ltd. Şti.** *Yenidoğan Mah. Genç Osman Sok. Güntaş San. Sit. C Blok No.6/37 Bayrampaşa, İstanbul, Türkiye*

Manufacturer: / *Üretici:* **Kemal Ürker Soğutma Cihazları San. Tic. Ltd. Şti.** *Yenidoğan Mah. Genç Osman Sok. Güntaş San. Sit. C Blok No.6/37 Bayrampaşa, İstanbul, Türkiye*

Product: / *Ürün:* **Air Cooled Water Cooling Units – Water Cooled Water Cooling Units** *Hava Soğutmalı Su Soğutma Üniteleri – Su Soğutmalı Su Soğutma Üniteleri*

Type/Model: / *Tip/Model:* UC AH*.1 Series, UC AH*.2 Series, UC AS*.1 Series, UC AS*.2 Series, UC ASH**.1 Series, UC ASH**.2 Series, UC AV***.1 Series, UC AV***.2 Series, UC WSH**.1 Series, UC WSH**.2 Series, UC WV***.1 Series, UC WV***.2 Series

Base of attestation: / *Onay Dayanağı:* **File of technical documentation, Test report Ref. No. 13-1234/01** *Teknik Dökümantasyon, 13-1234/01 numaralı Test Raporu*

*"The referred technical file(s) shows that the product complies with standard(s) recognized as giving presumptionof compliance with the essential requirements listed EU Directive(s) above. Other relevant Directives have to be observed. This attestation does not abrogate the compulsory obligation of the manufacturer to issue the declaration of conformity.

*"Diğer ilgili direktiflere uyulmalıdır. Referans teknik dosya ile ürünün yukarıda belirtilen AT Direktiflerinin temel gereklerine uygunluğu kabul edilir. Bu onay üreticinin uygunluk beyanı düzenleme zorunluluğunu ortadan kaldırmaz.

İstanbul, Date/Tarih 2013-12-27

Mehmet Işıklar
General Manager

Page 1 of 1

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İSTANBUL SANAYİ ODASI

YERLİ MALI BELGESİ

TÜRKİYE ODALAR VE BORSALAR BİRLİĞİ TOBB

Belgenin Veriliş Tarihi : 15.12.2016 Belgenin Geçerlilik Tarihi : 15.12.2017 Belge No : 20161083143 64

Üretici Ünvanı: KEMAL ÜRKER SOĞUTMA CİHAZLARI SANAYİ VE TİCARET LİMİTED ŞİRKETİ

İşyeri Adresi: Yenidoğan Mah. Genç Osman Sok. C Blok No.6/A, 6/19-20-21 B Blok No.4/J BAYRAMPAŞA/İSTANBUL

Üreticinin Vergi Kimlik No: 9060022925 TC Kimlik No: MERSİS No : 0906002292500016

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Ticaret Sicil No: 216353 Üye Sicil No: 35878

Ürün Adı: Su soğutma grupları
Ürün Kodu (PRODCOM/GTİP): 28.25.13.90.00 /
Teknik Özellikleri(Marka Adı, Modeli, Seri Numarası, Cinsi):
Kapasite Raporunun Tarih :22.12.2015 No : 27277 Geçerlilik Süresi :21.12.2017
Sanayi Sicil Belgesinin Tarih : 05.09.2006 No : 553428

Yerli Katkı Oranı : % 60,27

Ürünün Teknolojik Düzeyi (düşük/orta-düşük/orta-yüksek/yüksek)(Eurostat) : orta-yüksek

Diğer bilgi ve belgeler :

İşbu belge Bilim, Sanayi ve Teknoloji Bakanlığı'nın 13/09/2014 tarih ve 29118 sayılı Resmi Gazetede yayımlanan "Yerli Malı Tebliği (SGM 2014/35) "ne istinaden ve TOBB tarafından hazırlanan "Yerli Malı Belgesinin Düzenlenmesi Uygulama Esaslarına" göre 15.12.2016 tarihinde düzenlenmiştir. Belgenin geçerlilik süresi veriliş tarihinden itibaren bir yıl geçerlidir.

Düzenleyen Oda/Borsa
İSTANBUL SANAYİ ODASI

Onaylayan
Mehmet ÇAVUŞDAR
Şube Müdürü

- Coolant and protection equipment utilized as standard within the system are solenoid valve, expansion valve, filter drier, sight glass, manometers and low-high pressure controller. Vibration absorbers except UC AV Series are utilized. Additional equipment such as liquid retainers, oil trap, etc. are utilized depending on the water temperature regime.
- Galvanized sheet is utilized in manufacturing of device cabins and coated with electrostatic powder coat.
- There is no capacity control in single compressor models of UC AH, UC AS and UC ASH series. Whereas in models with double compressor, there is capacity control of 50% - 100%.
- There are 25% - 50% - 75% - 100% capacity controls in UC AV Series.
- There are water inlet – water outlet, water supply and water discharge connections in standard products.

<u>Optional equipments or systems;</u>

- Remote monitoring module
- Inverter module
- Fan speed control module

UC AH SERIES

Mode	Compressor Type	Coolant	Heat Exchanger	Fan
		Freon R407c		

- Hermetic type reciprocating compressors are utilized.
- As water coolant; direct expansion plunge type copper piped serpentine, shell & tube type evaporator or plated exchanger are utilized.
- 2,5 bar pressurized water circulation pump is integrated to the device in compliance with the “Criteria 2” requirements on the capacity table.
- There is elastomeric rubber insulated stainless steel water tank in the series as standard.
- There is manual filler cap and water level indicator instead of water supply connection in other models of the series except the UC AH 6.1 model.

MODEL			UC AH 1.1	UC AH 2.1	UC AH 4.1	UC AH 6.1
CRITERIA - 1 $T_{water,in.}$ **= 12°C** $T_{water,out.}$ **= 7°C** $T_{ambient}$ **= 35°C**	**COOLING CAPACITY**	kW	2,27	5,25	10,12	15,23
		kCal/h	1.948	4.511	8.701	13.100
	POWER INPUT	kW	1,05	2,17	3,82	5,30
	C.O.P.		2,16	2,41	2,65	2,88
CRITERIA - 2 $T_{water,in.}$ **= 15°C** $T_{water,out.}$ **= 10°C** $T_{ambient}$ **= 28°C**	**COOLING CAPACITY**	kW	2,77	6,49	12,69	18,93
		kCal/h	2.380	5.580	10.909	16.280
	POWER INPUT	kW	1,02	2,15	3,83	5,35
	C.O.P.		2,72	3,01	3,31	3,54
CRITERIA - 3 $T_{water,in.}$ **= 20°C** $T_{water,out.}$ **= 15°C** $T_{ambient}$ **= 25°C**	**COOLING CAPACITY**	kW	3,42	8,01	15,85	23,48
		kCal/h	2.941	6.884	13.628	20.192
	POWER INPUT	kW	1,05	2,24	4,09	5,75
	C.O.P.		3,24	3,58	3,87	4,09
GENERAL INFORMATIONS						
NUMBER OF COMPRESSOR		n	1	1	1	1
NUMBER OF FAN x DIMENSION		n x mm	1 x 350	1 x 450	1 x 500	2 x 450
WATER FLOW RATE		m^3/h	0,48	1,12	2,18	3,26
		l/min	7,9	18,6	36,4	54,3
LENGTH		mm	650	800	900	1.310
WIDTH		mm	650	800	900	900
HEIGHT		mm	1010	1.310	1.330	1.410
PIPING CONNECTIONS		DN	25	25	25	40

UC AS SERIES

Mode	Compressor Type	Coolant	Heat Exchanger	Fan
		Freon R407c		

- Scroll type compressors are utilized.
- As water coolant; direct expansion plunge type copper piped serpentine, shell & tube type evaporator or plated exchanger are utilized.
- 2,5 bar pressurized water circulation pump is integrated to the device in compliance with the “Criteria 2” requirements on the capacity table.
- There is elastomeric rubber insulated stainless steel water tank in the series as standard.
- There is frost protection thermostat and water flow controller as standard in other models of the series except the UC AS 4.1 model.

MODEL			UC AS 4.1	UC AS 6.1	UC AS 8.1	UC AS 12.1	UC AS 6.2	UC AS 8.2	UC AS 12.2
CRITERIA - 1 $T_{water,in.}$ = 12°C $T_{water,out.}$ = 7°C $T_{ambient}$ = 35°C	COOLING CAPACITY	kW	10,77	16,56	22,86	33,02	33,12	45,72	66,04
		kCal/h	9.262	14.242	19.660	28.397	28.483	39.319	56.794
	POWER INPUT	kW	3,70	5,11	6,83	10,39	10,22	13,66	20,78
	C.O.P.		2,91	3,24	3,35	3,18	3,24	3,35	3,18
CRITERIA - 2 $T_{water,in.}$ = 15°C $T_{water,out.}$ = 10°C $T_{ambient}$ = 28°C	COOLING CAPACITY	kW	13,15	20,18	27,91	40,38	40,36	55,82	80,76
		kCal/h	11.309	17.355	24.003	34.727	34.710	48.005	69.454
	POWER INPUT	kW	3,36	4,60	6,20	9,48	9,20	12,40	18,96
	C.O.P.		3,91	4,39	4,50	4,26	4,39	4,50	4,26
CRITERIA - 3 $T_{water,in.}$ = 20°C $T_{water,out.}$ = 15°C $T_{ambient}$ = 25°C	COOLING CAPACITY	kW	16,11	24,53	34,28	49,30	49,06	68,56	98,60
		kCal/h	13.855	21.096	29.481	42.398	42.192	58.962	84.796
	POWER INPUT	kW	3,33	4,61	6,18	9,47	9,22	12,36	18,94
	C.O.P.		4,84	5,32	5,55	5,21	5,32	5,55	5,21
GENERAL INFORMATIONS									
NUMBER OF COMPRESSOR		n	1	1	1	1	2	2	2
NUMBER OF FAN x DIMENSION		n x mm	1 x 500	2 x 450	2 x 450	2 x 500	4 x 450	4 x 450	4 x 500
WATER FLOW RATE		m^3/h	2,26	3,47	4,80	6,94	6,94	9,60	13,89
		l/min	37,7	57,8	80,0	115,7	115,7	160,0	231,5
LENGTH		mm	900	1.310	1.670	1.670	1.670	3.000	3.000
WIDTH		mm	900	900	1.000	1.000	1.000	1.000	1.000
HEIGHT		mm	1.330	1.410	1.860	1.880	1.880	1.860	1.880
PIPING CONNECTIONS		DN	25	40	40	40	40	40	50

UC ASH SERIES

Mode	Compressor Type	Coolant	Heat Exchanger	Fan
		Freon R407c		

- Semi – Hermetic type reciprocating compressors are utilized.
- As water coolant; direct expansion shell & tube type evaporator or plated exchanger are utilized.
- 2,5 bar pressurized water circulation pump is integrated to the device in compliance with the “Criteria 2” requirements on the capacity table.
- There is elastomeric rubber insulation stainless water tank in single compressor models. This is optional in double compressor models.
- Fan controller, frost protection thermostat, water flow controller are utilized in the series as standard along with the oil pressure controller except the UC ASH 15.1, 20.1 models.

MODEL			UC ASH 15.1	UC ASH 20.1	UC ASH 25.1	UC ASH 30.1	UC ASH 35.1	UC ASH 40.1	UC ASH 50.1	UC ASH 60.1
CRITERIA - 1 $T_{water,in.}$ = 12°C $T_{water,out.}$ = 7°C $T_{ambient}$ = 35°C	**COOLING CAPACITY**	kW	40,43	45,31	53,12	66,96	80,66	97,14	118,64	148,13
		kCal/h	34.770	38.967	45.683	57.586	69.368	83.540	102.030	127.392
	POWER INPUT	kW	13,67	14,86	18,39	22,70	26,89	33,20	39,80	48,13
	C.O.P.		2,96	3,05	2,89	2,95	3,00	2,93	2,98	3,08
CRITERIA - 2 $T_{water,in.}$ = 15°C $T_{water,out.}$ = 10°C $T_{ambient}$ = 28°C	**COOLING CAPACITY**	kW	49,09	54,54	64,28	80,79	97,95	118,18	144,06	179,70
		kCal/h	42.217	46.904	55.281	69.479	84.237	101.635	123.892	154.542
	POWER INPUT	kW	13,07	14,19	17,69	21,82	25,80	31,84	38,63	46,20
	C.O.P.		3,76	3,84	3,63	3,70	3,80	3,71	3,73	3,89
CRITERIA - 3 $T_{water,in.}$ = 20°C $T_{water,out.}$ = 15°C $T_{ambient}$ = 25°C	**COOLING CAPACITY**	kW	59,43	65,82	77,89	97,48	118,57	143,14	174,36	217,71
		kCal/h	51.110	56.605	66.985	83.833	101.970	123.100	149.950	187.231
	POWER INPUT	kW	13,42	14,58	18,28	22,40	26,32	32,64	40,17	47,33
	C.O.P.		4,43	4,51	4,26	4,35	4,50	4,39	4,34	4,60
GENERAL INFORMATIONS										
NUMBER OF COMPRESSOR		n	1	1	1	1	1	1	1	1
NUMBER OF FAN x DIMENSION		n x mm	3 x 500	3 x 500	4 x 500	2 x 800	2 x 800	3 x 800	8 x 500	4 x 800
WATER FLOW RATE		m^3/h	8,44	9,38	11,06	13,90	16,85	20,33	24,78	30,91
		l/min	140,7	156,3	184,3	231,6	280,8	338,8	413,0	515,1
LENGTH		mm	2.210	2.770	2.910	3.100	3.300	3.500	3.200	3.100
WIDTH		mm	1.000	1.000	1.000	1.200	1.200	1.200	1.850	2.300
HEIGHT		mm	1.850	1.850	1.960	2.260	2.260	2.260	2.050	2.260
PIPING CONNECTIONS		DN	40	40	50	50	65	65	65	65

UC ASH SERIES

Mode	Compressor Type	Coolant	Heat Exchanger	Fan
		Freon R407c		

MODEL			UC ASH 15.2	UC ASH 20.2	UC ASH 25.2	UC ASH 30.2	UC ASH 35.2	UC ASH 40.2	UC ASH 50.2	UC ASH 60.2
CRITERIA - 1 $T_{water,in.}$ **= 12°C** $T_{water,out.}$ **= 7°C** $T_{ambient}$ **= 35°C**	**COOLING CAPACITY**	kW	80,86	90,62	106,24	133,92	161,32	194,28	237,28	296,26
		kCal/h	69.540	77.933	91.366	115.171	138.735	167.081	204.061	254.784
	POWER INPUT	kW	27,34	29,72	36,78	45,40	53,78	66,40	80,94	96,26
	C.O.P.		2,96	3,05	2,89	2,95	3,00	2,93	2,93	3,08
CRITERIA - 2 $T_{water,in.}$ **= 15°C** $T_{water,out.}$ **= 10°C** $T_{ambient}$ **= 28°C**	**COOLING CAPACITY**	kW	98,18	109,08	128,56	161,58	195,90	236,36	288,12	359,40
		kCal/h	84.435	93.809	110.562	138.959	168.474	203.270	247.783	309.084
	POWER INPUT	kW	26,14	28,38	35,38	43,64	51,60	63,68	78,60	92,40
	C.O.P.		3,76	3,84	3,63	3,70	3,80	3,71	3,67	3,89
CRITERIA - 3 $T_{water,in.}$ **= 20°C** $T_{water,out.}$ **= 15°C** $T_{ambient}$ **= 25°C**	**COOLING CAPACITY**	kW	118,86	131,64	155,78	194,96	237,14	286,28	348,72	435,42
		kCal/h	102.220	113.210	133.971	167.666	203.940	246.201	299.899	374.461
	POWER INPUT	kW	26,84	29,16	36,56	44,80	52,64	65,28	81,68	94,66
	C.O.P.		4,43	4,51	4,26	4,35	4,50	4,39	4,27	4,60
GENERAL INFORMATIONS										
NUMBER OF COMPRESSOR		n	2	2	2	2	2	2	2	2
NUMBER OF FAN x DIMENSION		n x mm	6 x 500	6 x 500	8 x 500	4 x 800	4 x 800	6 x 800	6 x 800	8 x 800
WATER FLOW RATE		m^3/h	16,89	18,76	22,11	27,79	33,69	40,65	49,56	61,82
		l/min	281,4	312,7	368,5	463,2	561,6	677,6	825,9	1.030,3
LENGTH		mm	2.310	2.870	3.200	3.100	3.300	3.500	4.100	4.800
WIDTH		mm	1.765	1.765	1.850	2.300	2.300	2.300	2.300	2.300
HEIGHT		mm	1.940	1.940	2.050	2.260	2.260	2.260	2.260	2.260
PIPING CONNECTIONS		DN	65	65	65	65	65	80	80	80

UC AV SERIES

Mode	Compressor Type	Coolant	Heat Exchanger	Fan
		Freon R407c		

- Screw type compressors are utilized.
- As water coolant; direct expansion shell & tube type evaporator or plated exchanger are utilized.
- Water circulation pump is not available as standard. Preference can be made in accordance with the requests of the user and can be integrated to the device.
- Frost protection thermostat, water flow controller and oil controller are utilized as standard in the series.
- Touch-screen PLC control system is utilized in the series for the purpose of capacity control.

MODEL			UC AV 50.1	UC AV 60.1	UC AV 70.1	UC AV 80.1	UC AV 100.1	UC AV 125.1
CRITERIA - 1 $T_{water,in.}$ = 12°C $T_{water,out.}$ = 7°C $T_{ambient}$ = 35°C	COOLING CAPACITY	kW	108,40	136,00	158,30	180,10	243,00	298,00
		kCal/h	93.224	116.960	136.138	154.886	208.980	256.280
	POWER INPUT	kW	37,52	48,02	54,52	64,38	81,88	101,54
	C.O.P.		2,89	2,83	2,90	2,80	2,97	2,93
CRITERIA - 2 $T_{water,in.}$ = 15°C $T_{water,out.}$ = 10°C $T_{ambient}$ = 28°C	COOLING CAPACITY	kW	130,80	164,10	193,40	221,00	293,00	358,00
		kCal/h	112.488	141.126	166.324	190.060	251.980	307.880
	POWER INPUT	kW	35,32	45,22	51,32	61,98	77,38	95,14
	C.O.P.		3,70	3,63	3,77	3,57	3,79	3,76
CRITERIA - 3 $T_{water,in.}$ = 20°C $T_{water,out.}$ = 15°C $T_{ambient}$ = 25°C	COOLING CAPACITY	kW	157,20	197,30	234,00	267,00	352,00	429,00
		kCal/h	135.192	169.678	201.240	229.620	302.720	368.940
	POWER INPUT	kW	36,92	47,12	53,32	65,68	80,58	99,24
	C.O.P.		4,26	4,19	4,39	4,07	4,37	4,32
GENERAL INFORMATIONS								
NUMBER OF COMPRESSOR		n	1	1	1	1	1	1
NUMBER OF FAN x DIMENSION		n x mm	8 x 500	4 x 800	4 x 800	6 x 800	6 x 800	8 x 800
WATER FLOW RATE		m^3/h	22,50	28,23	33,26	38,01	50,40	61,58
		l/min	375,0	470,4	554,4	633,5	839,9	1.026,3
LENGTH		mm	3.200	3.100	3.300	3.500	4.100	4.800
WIDTH		mm	1.850	2.300	2.300	2.300	2.300	2.300
HEIGHT		mm	2.050	2.260	2.260	2.260	2.260	2.260
PIPING CONNECTIONS		DN	80	80	80	100	125	125

UC AV SERIES

Mode	Compressor Type	Coolant	Heat Exchanger	Fan
		Freon R407c		

MODEL			UC AV 50.2	UC AV 60.2	UC AV 70.2	UC AV 80.2	UC AV 100.2	UC AV 125.2	UC AV 140.2	UC AV 160.2
CRITERIA - 1 $T_{water,in.}$ = 12°C $T_{water,out.}$ = 7°C $T_{ambient}$ = 35°C	COOLING CAPACITY	kW	216,80	272,00	316,60	360,20	486,00	596,00	688,00	762,00
		kCal/h	186.448	233.920	272.276	309.772	417.960	512.560	591.680	655.320
	POWER INPUT	kW	76,38	96,04	109,04	121,04	163,76	203,08	227,48	252,28
	C.O.P.		2,84	2,83	2,90	2,98	2,97	2,93	3,02	3,02
CRITERIA - 2 $T_{water,in.}$ = 15°C $T_{water,out.}$ = 10°C $T_{ambient}$ = 28°C	COOLING CAPACITY	kW	261,60	328,20	386,80	442,00	586,00	716,00	826,00	914,00
		kCal/h	224.976	282.252	332.648	380.120	503.960	615.760	710.360	786.040
	POWER INPUT	kW	71,98	90,44	102,64	116,24	154,76	190,28	212,88	234,68
	C.O.P.		3,63	3,63	3,77	3,80	3,79	3,76	3,88	3,89
CRITERIA - 3 $T_{water,in.}$ = 20°C $T_{water,out.}$ = 15°C $T_{ambient}$ = 25°C	COOLING CAPACITY	kW	314,40	394,60	468,00	534,00	704,00	858,00	990,00	1.100,00
		kCal/h	270.384	339.356	402.480	459.240	605.440	737.880	851.400	946.000
	POWER INPUT	kW	75,18	94,24	106,64	123,64	161,16	198,48	222,28	242,68
	C.O.P.		4,18	4,19	4,39	4,32	4,37	4,32	4,45	4,53
GENERAL INFORMATIONS										
NUMBER OF COMPRESSOR		n	2	2	2	2	2	2	2	2
NUMBER OF FAN x DIMENSION		n x mm	6 x 800	8 x 800	8 x 800	8 x 800	12 x 800	16 x 800	16 x 800	16 x 800
WATER FLOW RATE		m^3/h	44,99	56,45	66,53	76,02	100,79	12,15	142,07	157,21
		l/min	749,9	940,8	1.108,8	1.267,1	1.679,9	2.052,5	2.367,8	2.620,1
LENGTH		mm	4.100	4.800	5.950	5.950	8.710	11.500	11.500	11.500
WIDTH		mm	2.300	2.300	2.356	2.356	2.356	2.356	2.356	2.356
HEIGHT		mm	2.260	2.260	2.770	2.770	2.770	2.770	2.770	2.770
PIPING CONNECTIONS		DN	125	125	125	150	150	150	150	200

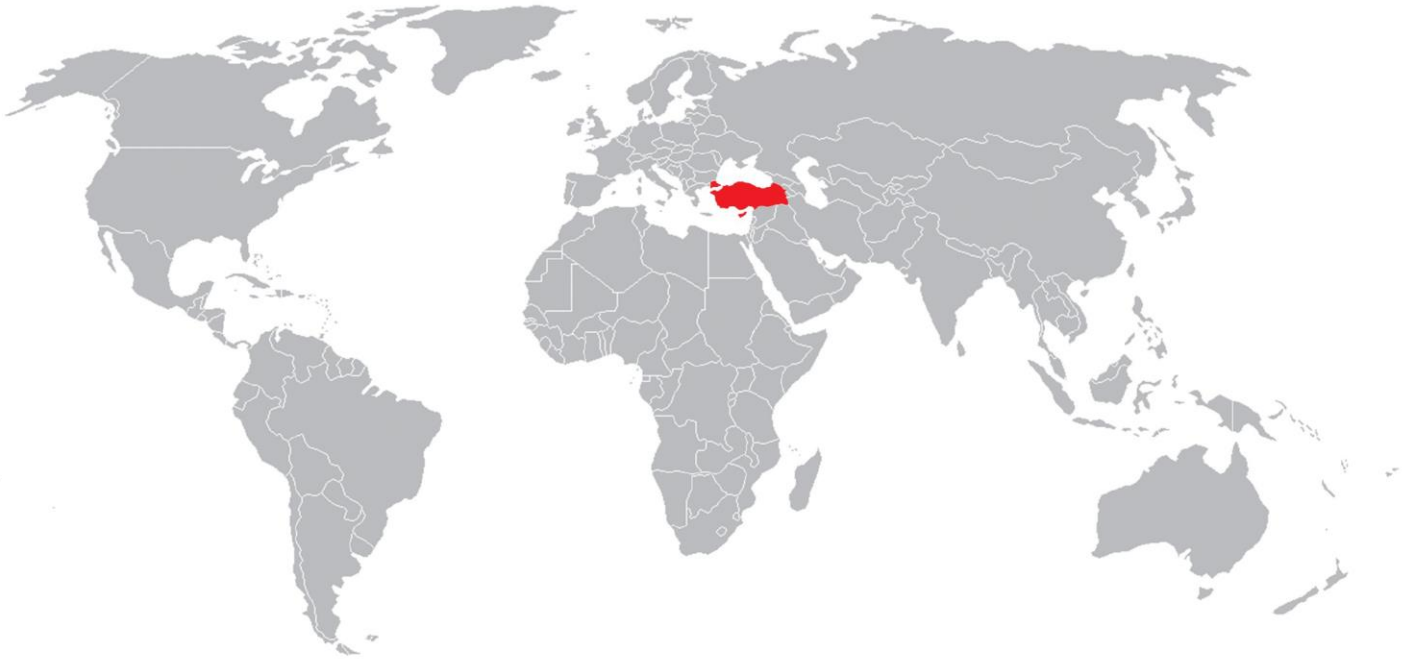
- The indicated capacities and models belong to the standard device whereas device manufacturing is performed, apart from these products, with the capacity and requirements preferred by the customer.
- Chiller manufacturing is performed in compliance with the processes requiring negative temperature.
- Water flow values indicated on the general information table are arranged in accordance with the “CRITERIA-2” requirements.
- Selection of pump conformable with the special pressure values requested on water circulation line and its integration to the device can be performed accordingly.
- For the purpose of fulfilling urgent needs of yours, the inventory of products and semi-finished products is available in high quantities.
- The devices are set to the working temperatures to be stated by you, the required tests are conducted and delivered ready for operation state. Electricity and water line connections are required to be made.
- Performing alterations and modifications in size and designs of the devices is reserved without prior notice.

PROCESS COOLING APPLICATIONS

	PLASTIC PROCESSING Precise temperature control is required to be done to ensure the dimensional stability and surface quality of the product. In addition to this, shortening the press duration is ensured by means of utilization of the chiller water coolant groups.
	AUTOMOTIVE INDUSTRIE Chiller coolant groups are required for applications such as metal processing, coating, etc. that are intensively utilized within the automotive sector.
	CHEMICAL AND PHARMACEUTICAL It is intensively utilized for the cooling off the raw materials reaching high temperatures resulting from reactions and processes.
	FOOD & BEVERAGE INDUSTRY It is utilized to decrease the temperature to desired levels in post packaging and product processing within food and beverage sector.
	LASER TECHNOLOGY It is utilized for the cooling off the laser machines such as metal processing, jean processing, etc.
	MACHINE TOOLS It helps to for the prolongation of bench life by cooling off the mechanical components, cutting oils and hydraulic fluids and ensuring dimensional stability.
	AIR CONDITIONING It is utilized to fulfil the requirements and needs of air-conditioning units in locations such as public places, sports halls, hotels, factories, etc. for the purpose of ambient air-conditioning and cooling. Apart from this, it ensures the cooling off the chamber in accordance with the desired requirements by feeding the glycol evaporators in cold storage depots.

SOLUTION PARTNERS

ÜLKER CHILLERS



ÜLKER CHILLERS

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