

Air cooled **Water chillers**

*Hava soğutmalı kondensерli
Soğuk su üretici gruplar*

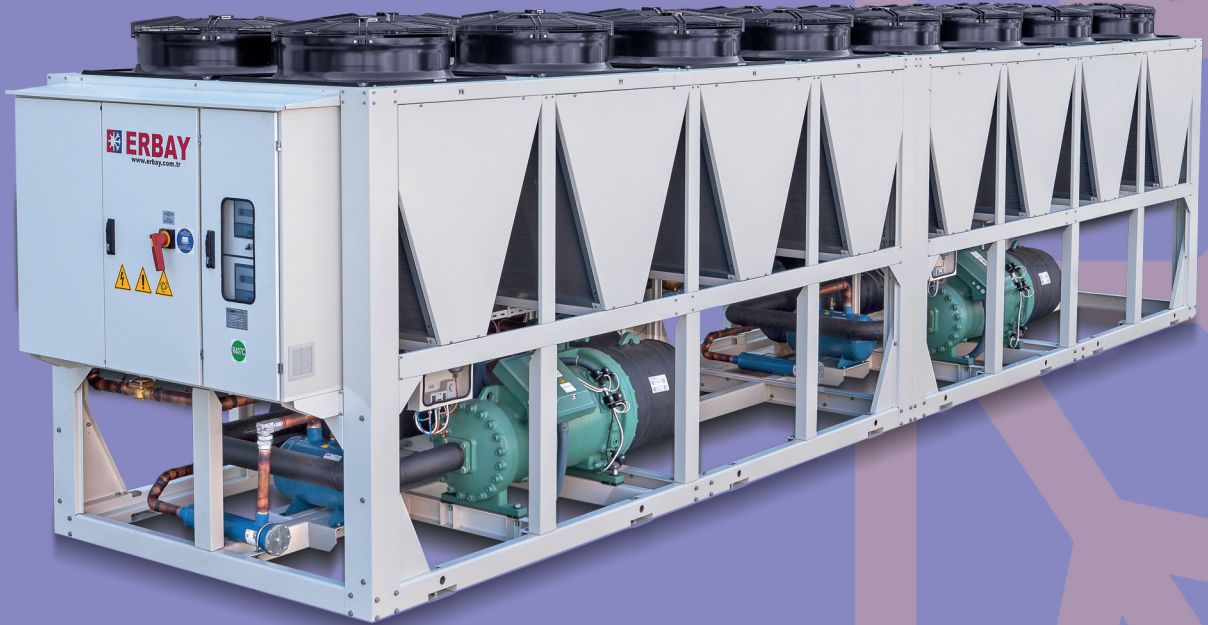
Screw compressors • Microprocessor controlled
Vidalı kompresörlü • Mikroişlemci kontrollü

For air-conditioning systems, *Klima sistemleri,*
Process cooling, *Proses soğutmaları,*
Industrial plants and *Sanayi tesisleri ve*
Various purpose *Muhtelif maksatlar için*

OPTIONAL HIDRONIC KIT / HİDRONİK KİT OPSİYONLU

OPTIONAL COLD CLIMATE KIT / SOĞUK İKLİM KİTİ OPSİYONLU

OPTIONAL ADIABATIC COOLING / ADYABATİK SOĞUTMA OPSİYONLU



Capacity range
Kapasite aralığı
84,5 kW - 2.418 kW

Unit Description *Cihaz Tanımı*

ERBAY Water Chillers are designed to outdoor installation and provide chilled water leaving temperatures which are given on capacity tables in our factory carrying out EN ISO 9001:2015 Quality Management System. The Units are supplied to ready for installation. All connections, oil and refrigerant charge and required tests are made in our factory. Our units are in conformity with health and safety requirements of European Union directives and relevant harmonized standards.

The capacity of the Units varying between 84,5 kW and 2.418 kW and it's composed of the following parts;

Cooling Compressor : 1 or 2 pieces semi - hermetic compact screw compressors are used according to customer request. Screw compressors as it's characteristics can operate without maintenance need for a long time. Maintenance of the screw compressors are quite simple because of the less amount of the moving parts in it. Screw compressors are equipped with discharge shut-off valves, check - valve that prevents to return back of the refrigerant from the discharge line, oil level switch, oil sight glass, oil separator, oil filter, crankcase heater, capacity control solenoids, vibration dampers, motor protection device and temperature sensors (PTC). Required power supply is 3 ph, 400V, 50Hz.

Condenser : Air cooled condensers are manufactured by collating special profile aluminium fins on copper tubes. Copper tubes are expanded special process in order to increase thermic conductivity between copper tubes and aluminium fins. By this means heat transfer reach to maximum level.

Fan : The high efficient axial fan which is directly coupled with the motor, noiseless bearing, balanced statically and dynamically is mounted on the device to provide the condensation of the refrigerant in the condenser.

Evaporator: Direct expansion evaporator is manufactured in Shell & Tube form and special high efficient copper tubes are fixed to steel tubesheet holes with tube expander method. It's allowed to maintenance and clean up because of the removable tube bundle. Evaporators are in conformity with EN 14276-1 and EN 13445 standarts and designed for chilling water and glycol brines. External surface of evaporators and suction lines are insulated with insulation material with suitable thickness.

Electrical Control Panel : The panel is designed to IP54. To operate the Unit automatically and securely, the panel is composed of two different section. The first section is power section and the other one is control section. The panel is equipped with enough number of contactors, thermics, fuses and on-off switches. The panel and wiring are in conformity with EN 60204-1 standart. Required power supply is 3 ph - 400 V-50 Hz.

Microprocessor Control System : Microprocessor control system is used on the Unit. By means of this; entering and leaving water temperatures, refrigerant pressures on the suction and discharge lines, occurred superheat temperature, operating times of compressors, all faults occurred on the system and all alarm history can be seen on the digital screen and also capacity control can be made easily. Besides condenser fans are controlled automatically depending on the ambient temperature and the operating times of each compressor is balanced so optimum efficient operation of the Unit is provided.

Components of the Cooling Circuit : To operate the Unit automatically and securely; electronic expansion valve, drier-filter, sight glass, relief valve, flow - switch, high - low pressure switch and shut - off valves are included.

ERBAY Soğuk Su Üretici Grupları, EN ISO 9001:2015 Kalite Yönetim Sistemi'nin uygulandığı fabrikamızda dış ortamda çalışacak ve kapasite tablosundaki soğuk su çıkış sıcaklıklarını verecek şekilde dizayn edilmiştir. Soğutma Gruplarımız fabrikamızda her türlü boru ve kablo bağlantısı, gaz-yağ şarjı ve gerekli testleri yapılmış olarak ve yerine yerleştirmeye hazır halde teslim edilirler. Soğutma Gruplarımız sağlık emniyeti ve güvenlik gereksinimleri konusunda Avrupa Birliği direktiflerine ve ilgili harmonize standartlara uygundur.

Aşağıdaki kısımlardan müteşekkil olan soğutma gruplarının kapasiteleri 84,5 kW ile 2.418 kW arasında değişmektedir.

Soğutma Kompresörü: İsteğe göre 1 veya 2 adet yarı kapalı kompakt vidalı (semi-hermetic compact screw) kompresör kullanılmaktadır. Vidalı kompresör yapısı gereği uzun müddet bakım gerektirimsiz çalışmaktadır. Hareketli parçaların az olması sebebiyle bakımı kolay ve ekonomiktir. Vidalı Kompresörler ; basma kapama vanası, basma hattındaki akışkanın geri dönüşünü engelleyen check-valf, yağ seviye switchi, yağ gözetleme camı, yağ ayırıcı, filtre, karter ısıtıcı, kapasite kontrol solenoidleri, titreşim takozları, motor koruma rölesi ve PTC sensörleri ile teçhiz edilmiştir. Gerekli şebeke gerilimi; 3 faz, 400 V, 50 Hz'dir.

Kondenser (Yoğuşturucu) : Hava Soğutmalı Kondenser; yüksek verimli bakır borular üzerine yüzeyi özel profilli alüminyum kanatların uygun hatvede dizilmesi ve bakır borular ile alüminyum kanatlar arasındaki termik iletkenliği artırma gayesi ile bakır borular özel işlem ile şişirilmiştir. Bu suretle ısı transferi maksimum seviyeye çıkartılarak imal edilmektedir.

Fan : Kondenserdeki soğutucu akışkanın yoğuşmasını sağlamak üzere motoru ile direk akuple yüksek verimli, aşırı akım koruma röleli, sessiz yataklı, statik ve dinamik olarak dengelenmiş aksiyal fanlar cihaz üzerine monte edilmiştir.

Evaporatör : Shell & Tube tipinde imal edilen direkt genişlemeli evaporatörler özel yüksek verimli bakır boruların çelik ayna deliklerine özel işlem ile tesbit edil-mesi suretiyle üretilmiştir. Boru demetinin sökülebilir olması bakım ve temizlik imkanı sağlar. EN 14276-1 ve EN 13445 standartlarına uygun olarak imal edilen evaporatörler su ve glikol çözeltilerinin soğutulması için tasarlanmıştır. Evaporatörlerin dış yüzeyi ve kompresör emiş hatları uygun kalınlıkta izolasyon malzemesi kullanılarak izole edilmektedir.

Elektrik kumanda panosu : IP54 koruma sınıfına göre tasarlanmıştır. Cihazın tam olarak çalışmasını sağlayacak şekilde güç ve kumanda tarafları olmak üzere iki kısımdan müteşekkildir. Pano yeterli miktarda kontaktör, termik, sigorta ve şalter ile teçhiz edilmiştir. Cihazın panosu ve cihaz içi kablo tesisatı EN 60204-1 standartına uygundur. Gerekli şebeke gerilimi; 3 faz, 400 V, 50 Hz'dir.

Mikroişlemci kontrol sistemi : Cihazda kullanılan mikroişlemci kontrol sistemi sayesinde su giriş ve çıkış sıcaklıkları, emme ve basma taraftaki gaz basınçları, evaporatörlerde oluşan aşırı ısıtma (superheat) sıcaklığı, kompresörlerin çalışma zamanları, oluşan tüm anızalar ve geçmişte vukubulan tüm anıza kayıtları ekranda dijital olarak görülebilmekte ve kolaylıkla kapasite kontrolü yapılabilmektedir. Ayrıca dış hava sıcaklığına bağlı olarak kondenser fanları otomatik olarak devreye girip çıkmakta ve her kompresörün çalışma sürelerinin dengede tutularak, cihazın optimum verimde çalışması sağlanmaktadır.

Soğutma devresi elemanları : Cihazın otomatik ve güvenli şekilde çalışması için elektronik genişleme valfi, drayer-filtre, gözetleme camı, emniyet ventili, su akış kontrol otomatigi, alçak ve yüksek basınç switchleri ve soğutma valfleri ile teçhiz edilmiştir.

Technical Specifications *Teknik Özellikler*

TYPE CİHAZ TİPİ	Infinite / Sürekli (3 steps on request / isteğe bağlı 3 kademe)															Infinite / Sürekli (6 steps on request / isteğe bağlı 6 kademe)					
	EBHV-50Y.1	EBHV-60Y.1	EBHV-70Y.1	EBHV-80Y.1	EBHV-90Y.1	EBHV-110Y.1	EBHV-125Y.1	EBHV-140Y.1	EBHV-180Y.1	EBHV-210Y.1	EBHV-240Y.1	EBHV-280Y.1	EBHV-300Y.1	EBHV-180Y.2	EBHV-210Y.2	EBHV-240Y.2	EBHV-280Y.2	EBHV-300Y.2			
Nominal Capacity (kW) <i>Nominal Kapasite</i>	(1)	124,8	156,6	183,9	210,0	242,0	300,0	342,0	395,0	518,0	588,0	692,0	786,0	893,0	1036,0	1176,0	1384,0	1572,0	1786,0		
	(2)	110,9	139,2	161,6	183,2	213,0	268,0	305,0	353,0	461,0	526,0	624,0	714,0	811,0	922,0	1052,0	1248,0	1428,0	1622,0		
Nominal Power Input of the Comp. (kW) <i>Nominal Kompresör Gücü</i>	(1)	29,7	36,8	42,9	49,1	55,5	68,7	78,3	89,4	111,1	127,0	148,4	168,0	185,2	222,2	254,0	296,8	336,0	370,4		
	(2)	34,7	43,0	49,9	56,2	64,7	81,2	92,5	105,6	132,1	148,8	171,4	197,2	217,0	264,2	297,6	342,8	394,4	434,0		
Number of Compressors <i>Kompresör Adedi</i>	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2		
Capacity Control / <i>Kapasite Kontrol</i>	Infinite / Sürekli (3 steps on request / isteğe bağlı 3 kademe)															Infinite / Sürekli (6 steps on request / isteğe bağlı 6 kademe)					
Number of Fans x Power Input (kW) <i>Fan Adedi x Çekilen Güç</i>	2 x 1,8	2 x 1,8	4 x 1,8	4 x 1,8	4 x 1,8	4 x 1,8	4 x 1,8	6 x 1,8	6 x 1,8	6 x 1,8	8 x 1,8	8 x 1,8	10 x 1,8	10 x 1,8	10 x 1,8	16 x 1,8	16 x 1,8	20 x 1,8	24 x 1,8		
	12,50	12,50	25,00	25,00	25,00	25,00	25,00	37,50	37,50	37,50	50,00	50,00	62,50	62,50	62,50	100,00	100,00	125,00	150,00		
Total Air Flowrate (m³/s) <i>Toplam Hava Debisi</i>	(1)	21,47	26,94	31,63	36,12	41,62	51,60	58,82	67,94	89,10	101,14	119,02	135,19	153,60	178,20	202,28	238,04	270,38	307,20		
	(2)	19,07	23,94	27,79	31,51	36,63	46,09	52,46	60,71	79,29	90,47	107,32	122,8	139,49	158,58	180,94	214,64	245,6	278,98		
Refrigerant Charge (kg) <i>Soğutucu Gaz Miktarı</i>	23	31	36	39	53	58	67	84	85	111	138	151	175	170	222	276	302	350			
Oil Charge (lt) <i>Yağ Miktarı</i>	9,5	9,5	15	15	15	22	22	22	22	30	30	30	30	60	60	60	60	60			
Sound Pressure Level dB (A) <i>Cihaz Ses Seviyesi</i>	(4)	51	53	56	56	57	56	60	62	66	67	66	68	71	72	73	73	75	79		
	1195	1295	1860	1930	2090	2500	2910	3150	3980	4380	5250	5410	6100	8005	8810	10480	10810	12185			

(1) Values are based on evaporator entering/leaving water temp. 12°C/7°C and ambient temperature 25°C
12°C su giriş, 7°C su çıkış ve 25°C dış hava sıcaklığına göre verilmiştir.

(2) Values are based on evaporator entering/leaving water temp. 12°C/7°C and ambient temperature 33°C
12°C su giriş, 7°C su çıkış ve 33°C dış hava sıcaklığına göre verilmiştir.

(3) Values are based on the Dew Point of evaporating and condensing temperatures
Evaporasyon ve kondenzasyon sıcaklığının çığ noktasındaki değerlerine göre verilmiştir.

(4) Values are based on freefield conditions in 10 meter distance.
Boş alanda 10 metre mesafedeki değerlere göre verilmiştir.

Note: Required power supply is 3 ph-400 Volt-50 Hz.
Not: Gerekli şebeke gerilimi 3 faz-400 Volt-50 Hz' dir.

Capacity Table (kW) Kapasite Tablosu

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CHILLED WATER LEAVING SU ÇIKIŞI	CONDENSER ENTERING AIR TEMP. / KONDENSERE HAVA GİRİŞ SICAKLIĞI																						
	24 °C		26 °C		28 °C		30 °C		32 °C		34 °C		36 °C		38 °C		40 °C		42 °C		44 °C		
	Q	No	Q	No	Q	No	Q	No	Q	No	Q	No	Q	No	Q	No	Q	No	Q	No	Q	No	
EBHV-50Y.1	6°C	121,7	28,8	118,5	30,0	115,2	31,2	111,8	32,4	108,3	33,7	104,7	35,1	100,9	36,5	97,0	38,0	93,0	39,5	88,8	41,1	84,5	42,8
	7°C	126,4	29,1	123,2	30,2	119,8	31,5	116,3	32,7	112,7	34,0	109,0	35,4	105,1	36,8	101,1	38,3	97,0	39,8	92,7	41,4	88,3	43,1
	8°C	131,3	29,4	128,0	30,5	124,5	31,7	121,0	33,0	117,3	34,3	113,4	35,7	109,5	37,1	105,4	38,5	101,2	40,1	96,8	41,7	92,3	43,3
	9°C	136,3	29,7	132,9	30,8	129,4	32,0	125,7	33,3	121,9	34,6	118,0	35,9	114,0	37,4	109,8	38,8	105,5	40,4	101,1	42,0	96,4	43,6
	10°C	141,5	30,0	138,0	31,1	134,4	32,3	130,6	33,6	126,8	34,9	122,8	36,2	118,6	37,6	114,4	39,1	110,0	40,6	105,4	42,2	100,7	43,9
	11°C	146,7	30,3	143,2	31,4	139,5	32,6	135,7	33,9	131,7	35,2	127,6	36,5	123,4	37,9	119,0	39,4	114,5	40,9	109,9	42,5	105,1	44,2
	12°C	152,2	30,6	148,5	31,7	144,8	32,9	140,9	34,2	136,8	35,5	132,6	36,8	128,3	38,2	123,9	39,7	119,3	41,2	114,5	42,8	109,6	44,5
	13°C	157,8	30,9	154,1	32,0	150,2	33,2	146,2	34,5	142,1	35,8	137,8	37,1	133,4	38,5	128,8	40,0	124,1	41,5	119,3	43,1	114,2	44,8
	14°C	163,6	31,2	159,7	32,4	155,8	33,5	151,7	34,8	147,5	36,1	143,1	37,4	138,6	38,9	133,9	40,3	129,1	41,9	124,2	43,5	119,0	45,1
	15°C	169,5	31,5	165,6	32,7	161,5	33,9	157,4	35,1	153,0	36,4	148,6	37,8	144,0	39,2	139,2	40,7	134,3	42,2	129,2	43,8	124,0	45,4
	6°C	152,7	35,8	148,7	37,2	144,6	38,7	140,4	40,3	136,0	41,9	131,4	43,6	126,7	45,3	121,9	47,2	116,9	49,1	111,7	51,0	106,3	53,1
	7°C	158,6	36,1	154,6	37,5	150,4	39,0	146,0	40,6	141,5	42,2	136,9	43,9	132,1	45,7	127,1	47,5	122,0	49,4	116,7	51,4	111,2	53,4
	8°C	164,7	36,5	160,6	37,9	156,3	39,4	151,8	40,9	147,2	42,6	142,5	44,2	137,6	46,0	132,5	47,8	127,2	49,7	121,8	51,7	116,2	53,8
	9°C	171,0	36,8	166,8	38,2	162,4	39,7	157,8	41,3	153,1	42,9	148,2	44,6	143,2	46,4	138,0	48,2	132,6	50,1	127,1	52,1	121,4	54,1
	10°C	177,5	37,2	173,1	38,6	168,6	40,1	164,0	41,6	159,2	43,3	154,2	44,9	149,0	46,7	143,7	48,5	138,2	50,4	132,6	52,4	126,7	54,5
11°C	184,1	37,5	179,7	39,0	175,1	40,5	170,3	42,0	165,4	43,6	160,3	45,3	155,0	47,1	149,6	48,9	144,0	50,8	138,2	52,8	132,2	54,8	
12°C	191,0	37,9	186,4	39,4	181,7	40,8	176,8	42,4	171,8	44,0	166,6	45,7	161,2	47,4	155,7	49,3	149,9	51,2	144,0	53,2	137,9	55,2	
13°C	198,0	38,3	193,3	39,7	188,5	41,2	183,5	42,8	178,4	44,4	173,1	46,1	167,6	47,8	161,9	49,7	156,0	51,6	150,0	53,5	143,7	55,6	
14°C	205,0	38,7	200,0	40,1	195,6	41,6	190,5	43,2	185,2	44,8	179,8	46,5	174,1	48,2	168,3	50,1	162,3	51,9	156,1	53,9	149,8	56,0	
15°C	213,0	39,1	208,0	40,6	203,0	42,0	197,6	43,6	192,2	45,2	186,6	46,9	180,9	48,6	174,9	50,5	168,8	52,3	162,5	54,3	156,0	56,4	
EBHV-70Y.1	6°C	179,3	41,8	174,1	43,4	168,8	45,0	163,3	46,8	157,8	48,7	152,2	50,6	146,6	52,6	140,9	54,8	135,1	57,0	129,3	59,3	123,5	61,8
	7°C	186,6	42,1	181,2	43,7	175,7	45,4	170,1	47,1	164,4	49,0	158,7	50,9	152,8	52,9	146,9	55,0	141,0	57,3	135,0	59,6	129,0	62,0
	8°C	194,1	42,5	188,6	44,0	182,9	45,7	177,1	47,4	171,3	49,3	165,3	51,2	159,3	53,2	153,2	55,3	147,0	57,5	140,8	59,8	134,6	62,2
	9°C	202,0	42,8	196,1	44,4	190,3	46,1	184,3	47,8	178,3	49,6	172,1	51,5	165,9	53,5	159,6	55,6	153,3	57,8	146,9	60,1	140,5	62,5
	10°C	210,0	43,2	204,0	44,8	197,9	46,4	191,8	48,1	185,5	49,9	179,2	51,8	172,8	53,8	166,3	55,9	159,7	58,1	153,1	60,3	146,5	62,7
	11°C	218,0	43,6	212,0	45,2	206,0	46,8	199,5	48,5	193,0	50,3	186,5	52,1	179,9	54,1	173,2	56,2	166,4	58,3	159,6	60,6	152,7	63,0
	12°C	227,0	44,0	220,0	45,5	214,0	47,1	207,0	48,8	201,0	50,6	194,0	52,5	187,2	54,4	180,2	56,5	173,3	58,6	166,2	60,9	159,1	63,2
	13°C	235,0	44,4	229,0	45,9	222,0	47,5	216,0	49,2	209,0	51,0	202,0	52,8	194,7	54,7	187,6	56,8	180,3	58,9	173,1	61,1	165,8	63,5
	14°C	244,0	44,8	238,0	46,3	231,0	47,9	224,0	49,6	217,0	51,3	210,0	53,2	202,0	55,1	195,1	57,1	187,7	59,2	180,2	61,4	172,6	63,7
	15°C	254,0	45,3	247,0	46,8	240,0	48,3	233,0	50,0	225,0	51,7	218,0	53,5	210,0	55,4	203,0	57,4	195,2	59,5	187,5	61,7	179,7	64,0

Q= Cooling capacity (kW) Soğutma kapasitesi

N_p= Power input (kW) Kompresör mil gücü

Capacity Table (kW) Kapasite Tablosu

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CHILLED WATER LEAVING SU ÇIKIŞI	CONDENSER ENTERING AIR TEMP. / KONDENSERE HAVA GİRİŞ SICAKLIĞI																						
	24 °C		26 °C		28 °C		30 °C		32 °C		34 °C		36 °C		38 °C		40 °C		42 °C		44 °C		
	Q	No	Q	No	Q	No	Q	No	Q	No	Q	No	Q	No	Q	No	Q	No	Q	No	Q	No	
EBHV-80Y.1	6°C	205,0	47,7	198,7	49,3	192,3	51,0	185,8	52,8	179,2	54,7	172,6	56,7	165,9	58,8	159,2	60,9	152,4	63,2	145,6	65,6	138,9	68,1
	7°C	213,0	48,3	207,0	49,9	200,0	51,6	193,5	53,4	186,7	55,2	179,8	57,2	172,9	59,3	165,9	61,4	158,9	63,7	151,9	66,0	144,9	68,5
	8°C	222,0	48,9	215,0	50,5	208,0	52,2	201,0	53,9	194,4	55,8	187,3	57,7	180,1	59,8	172,9	61,9	165,7	64,1	158,5	66,5	151,2	68,9
	9°C	231,0	49,6	224,0	51,2	217,0	52,8	210,0	54,5	202,0	56,4	195,0	58,3	187,6	60,3	180,2	62,4	172,7	64,6	165,2	66,9	157,7	69,3
	10°C	240,0	50,3	233,0	51,8	225,0	53,5	218,0	55,2	210,0	57,0	203,0	58,9	195,3	60,9	187,6	62,9	179,9	65,1	172,2	67,4	164,4	69,8
	11°C	249,0	51,0	242,0	52,5	234,0	54,1	227,0	55,8	219,0	57,6	211,0	59,5	203,0	61,4	195,3	63,5	187,3	65,7	179,3	67,9	171,3	70,3
	12°C	259,0	51,8	251,0	53,3	243,0	54,9	236,0	56,5	228,0	58,3	220,0	60,1	211,0	62,1	203,0	64,1	195,0	66,2	186,7	68,5	178,4	70,8
	13°C	269,0	52,5	261,0	54,0	253,0	55,6	245,0	57,2	237,0	59,0	228,0	60,8	220,0	62,7	211,0	64,7	203,0	66,8	194,4	69,0	185,8	71,4
	14°C	279,0	53,4	271,0	54,8	263,0	56,4	254,0	58,0	246,0	59,7	237,0	61,5	229,0	63,4	220,0	65,4	211,0	67,5	202,0	69,7	193,4	71,9
	15°C	289,0	54,2	281,0	55,7	273,0	57,2	264,0	58,8	255,0	60,5	247,0	62,3	238,0	64,1	229,0	66,1	220,0	68,1	210,0	70,3	201,0	72,5
	6°C	236,0	54,0	229,0	56,1	222,0	58,3	215,0	60,6	208,0	63,0	201,0	65,6	193,6	68,3	186,1	71,1	178,6	74,0	171,0	77,1	163,3	80,3
	7°C	245,0	54,4	238,0	56,5	231,0	58,7	224,0	61,0	217,0	63,5	209,0	66,0	201,0	68,7	193,7	71,5	186,0	74,4	178,1	77,5	170,2	80,6
	8°C	255,0	54,9	247,0	57,0	240,0	59,2	233,0	61,5	225,0	63,9	217,0	66,5	210,0	69,1	202,0	71,9	193,6	74,8	185,4	77,9	177,3	81,0
	9°C	264,0	55,4	257,0	57,5	249,0	59,7	242,0	62,0	234,0	64,4	226,0	66,9	218,0	69,6	210,0	72,3	201,0	75,3	193,0	78,3	184,6	81,5
	10°C	274,0	55,9	267,0	58,0	259,0	60,2	251,0	62,5	243,0	64,9	235,0	67,4	226,0	70,0	218,0	72,8	209,0	75,7	201,0	79,6	192,1	81,9
11°C	285,0	56,5	277,0	58,5	269,0	60,7	261,0	63,0	252,0	65,4	244,0	67,9	235,0	70,5	227,0	73,3	218,0	76,1	209,0	79,2	199,8	82,3	
12°C	295,0	57,0	287,0	59,1	279,0	61,2	271,0	63,5	262,0	65,9	253,0	68,4	244,0	71,0	235,0	73,7	226,0	76,6	217,0	79,6	208,0	82,7	
13°C	306,0	57,6	298,0	59,6	290,0	61,8	281,0	64,0	272,0	66,4	263,0	68,9	254,0	71,5	245,0	74,2	235,0	77,1	226,0	80,1	216,0	83,2	
14°C	318,0	58,2	309,0	60,2	300,0	62,3	291,0	64,5	282,0	66,9	273,0	69,4	263,0	72,0	254,0	74,7	244,0	77,6	234,0	80,5	224,0	83,7	
15°C	329,0	58,8	320,0	60,8	311,0	62,9	302,0	65,1	293,0	67,4	283,0	69,9	273,0	72,5	263,0	75,2	253,0	78,1	243,0	81,0	233,0	84,1	
EBHV-110Y.1	6°C	293,0	66,7	285,0	69,5	277,0	72,4	270,0	75,5	262,0	78,8	254,0	82,4	245,0	86,1	237,0	90,0	228,0	94,1	219,0	98,4	210,0	103,0
	7°C	304,0	67,3	296,0	70,1	288,0	73,0	280,0	76,1	272,0	79,4	264,0	82,9	255,0	86,6	246,0	90,6	237,0	94,7	228,0	99,0	219,0	103,6
	8°C	315,0	67,9	307,0	70,7	299,0	73,6	291,0	76,7	283,0	80,0	274,0	83,5	265,0	87,2	256,0	91,2	247,0	95,3	238,0	99,6	228,0	104,2
	9°C	327,0	68,6	319,0	71,3	311,0	74,2	302,0	77,4	294,0	80,7	285,0	84,2	276,0	87,9	266,0	91,8	257,0	95,9	247,0	100,2	238,0	104,8
	10°C	339,0	69,3	331,0	72,0	322,0	74,9	314,0	78,0	305,0	81,3	296,0	84,8	286,0	88,5	277,0	92,4	267,0	96,5	257,0	100,9	247,0	105,4
	11°C	352,0	70,0	343,0	72,7	335,0	75,6	326,0	78,7	316,0	82,0	307,0	85,5	297,0	89,1	288,0	93,0	278,0	97,2	268,0	101,5	257,0	106,1
	12°C	365,0	70,7	356,0	73,4	347,0	76,3	338,0	79,4	328,0	82,7	319,0	86,1	309,0	89,8	299,0	93,7	289,0	97,8	278,0	102,2	268,0	106,7
	13°C	378,0	71,4	369,0	74,1	360,0	77,0	350,0	80,1	341,0	83,4	331,0	86,8	321,0	90,5	310,0	94,4	300,0	98,5	289,0	102,9	278,0	107,4
	14°C	392,0	72,2	382,0	74,9	373,0	77,8	363,0	80,8	353,0	84,1	343,0	87,6	333,0	91,2	322,0	95,1	311,0	99,2	300,0	103,6	289,0	108,1
	15°C	406,0	73,0	396,0	75,7	386,0	78,6	376,0	81,6	366,0	84,9	356,0	88,3	345,0	92,0	334,0	95,9	323,0	100,0	312,0	104,3	300,0	108,8

Q= Cooling capacity (kW) Soğutma kapasitesi

N_p= Power input (kW) Kompresör güçü

Capacity Table (kW) Kapasite Tablosu

R407C

TYPE CİHAZ TİPİ	CONDENSER ENTERING AIR TEMP. / KONDENSERE HAVA GİRİŞ SICAKLIĞI																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
	24 °C			26 °C			28 °C			30 °C			32 °C			34 °C			36 °C			38 °C			40 °C			42 °C			44 °C																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
	Q	No	Q	No	Q	No	Q	No	Q	No	Q	No	Q	No	Q	No	Q	No	Q	No	Q	No	Q	No	Q	No	Q	No	Q	No	Q	No																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
CHILLED WATER LEAVING SU ÇIKIŞI	6°C	333,0	76,0	325,0	79,2	316,0	82,5	307,0	86,1	298,0	89,9	289,0	93,9	280,0	98,1	270,0	102,6	260,0	107,3	250,0	112,2	240,0	117,4	230,0	122,3	220,0	127,4	210,0	132,5	200,0	137,6	190,0	142,7	180,0	147,8	170,0	152,9	160,0	158,0	148,0	163,1	138,0	173,2	128,0	183,4	118,0	193,6	108,0	203,8	98,0	214,0	88,0	224,6	78,0	235,4	68,0	246,2	58,0	257,0	48,0	267,8	38,0	278,6	28,0	289,4	18,0	300,2	8,0	311,0	-2,0	321,8	-12,0	332,6	-22,0	343,4	-32,0	354,2	-42,0	365,0	-52,0	375,8	-62,0	386,6	-72,0	397,4	-82,0	408,0	-92,0	418,6	-102,0	429,2	-112,0	439,8	-122,0	450,4	-132,0	461,0	-142,0	471,6	-152,0	482,2	-162,0	492,8	-172,0	503,4	-182,0	514,0	-192,0	524,6	-202,0	535,2	-212,0	545,8	-222,0	556,4	-232,0	567,0	-242,0	577,6	-252,0	588,2	-262,0	598,8	-272,0	609,4	-282,0	620,0	-292,0	630,6	-302,0	641,2	-312,0	651,8	-322,0	662,4	-332,0	673,0	-342,0	683,6	-352,0	694,2	-362,0	704,8	-372,0	715,4	-382,0	726,0	-392,0	736,6	-402,0	747,2	-412,0	757,8	-422,0	768,4	-432,0	779,0	-442,0	789,6	-452,0	800,2	-462,0	810,8	-472,0	821,4	-482,0	832,0	-492,0	842,6	-502,0	853,2	-512,0	863,8	-522,0	874,4	-532,0	885,0	-542,0	895,6	-552,0	906,2	-562,0	916,8	-572,0	927,4	-582,0	938,0	-592,0	948,6	-602,0	959,2	-612,0	969,8	-622,0	980,4	-632,0	991,0	-642,0	1001,6	-652,0	1012,2	-662,0	1022,8	-672,0	1033,4	-682,0	1044,0	-692,0	1054,6	-702,0	1065,2	-712,0	1075,8	-722,0	1086,4	-732,0	1097,0	-742,0	1107,6	-752,0	1118,2	-762,0	1128,8	-772,0	1139,4	-782,0	1150,0	-792,0	1160,6	-802,0	1171,2	-812,0	1181,8	-822,0	1192,4	-832,0	1203,0	-842,0	1213,6	-852,0	1224,2	-862,0	1234,8	-872,0	1245,4	-882,0	1256,0	-892,0	1266,6	-902,0	1277,2	-912,0	1287,8	-922,0	1298,4	-932,0	1309,0	-942,0	1319,6	-952,0	1330,2	-962,0	1340,8	-972,0	1351,4	-982,0	1362,0	-992,0	1372,6	-1002,0	1383,2	-1012,0	1393,8	-1022,0	1404,4	-1032,0	1415,0	-1042,0	1425,6	-1052,0	1436,2	-1062,0	1446,8	-1072,0	1457,4	-1082,0	1468,0	-1092,0	1478,6	-1102,0	1489,2	-1112,0	1500,0	-1122,0	1510,6	-1132,0	1521,2	-1142,0	1531,8	-1152,0	1542,4	-1162,0	1553,0	-1172,0	1563,6	-1182,0	1574,2	-1192,0	1584,8	-1202,0	1595,4	-1212,0	1606,0	-1222,0	1616,6	-1232,0	1627,2	-1242,0	1637,8	-1252,0	1648,4	-1262,0	1659,0	-1272,0	1669,6	-1282,0	1680,2	-1292,0	1690,8	-1302,0	1701,4	-1312,0	1712,0	-1322,0	1722,6	-1332,0	1733,2	-1342,0	1743,8	-1352,0	1754,4	-1362,0	1765,0	-1372,0	1775,6	-1382,0	1786,2	-1392,0	1796,8	-1402,0	1807,4	-1412,0	1818,0	-1422,0	1828,6	-1432,0	1839,2	-1442,0	1849,8	-1452,0	1860,4	-1462,0	1871,0	-1472,0	1881,6	-1482,0	1892,2	-1492,0	1902,8	-1502,0	1913,4	-1512,0	1924,0	-1522,0	1934,6	-1532,0	1945,2	-1542,0	1955,8	-1552,0	1966,4	-1562,0	1977,0	-1572,0	1987,6	-1582,0	1998,2	-1592,0	2008,8	-1602,0	2019,4	-1612,0	2030,0	-1622,0	2040,6	-1632,0	2051,2	-1642,0	2061,8	-1652,0	2072,4	-1662,0	2083,0	-1672,0	2093,6	-1682,0	2104,2	-1692,0	2114,8	-1702,0	2125,4	-1712,0	2136,0	-1722,0	2146,6	-1732,0	2157,2	-1742,0	2167,8	-1752,0	2178,4	-1762,0	2189,0	-1772,0	2199,6	-1782,0	2210,2	-1792,0	2220,8	-1802,0	2231,4	-1812,0	2242,0	-1822,0	2252,6	-1832,0	2263,2	-1842,0	2273,8	-1852,0	2284,4	-1862,0	2295,0	-1872,0	2305,6	-1882,0	2316,2	-1892,0	2326,8	-1902,0	2337,4	-1912,0	2348,0	-1922,0	2358,6	-1932,0	2369,2	-1942,0	2379,8	-1952,0	2390,4	-1962,0	2401,0	-1972,0	2411,6	-1982,0	2422,2	-1992,0	2432,8	-2002,0	2443,4	-2012,0	2454,0	-2022,0	2464,6	-2032,0	2475,2	-2042,0	2485,8	-2052,0	2496,4	-2062,0	2507,0	-2072,0	2517,6	-2082,0	2528,2	-2092,0	2538,8	-2102,0	2549,4	-2112,0	2560,0	-2122,0	2570,6	-2132,0	2581,2	-2142,0	2591,8	-2152,0	2602,4	-2162,0	2613,0	-2172,0	2623,6	-2182,0	2634,2	-2192,0	2644,8	-2202,0	2655,4	-2212,0	2666,0	-2222,0	2676,6	-2232,0	2687,2	-2242,0	2697,8	-2252,0	2708,4	-2262,0	2719,0	-2272,0	2729,6	-2282,0	2740,2	-2292,0	2750,8	-2302,0	2761,4	-2312,0	2772,0	-2322,0	2782,6	-2332,0	2793,2	-2342,0	2803,8	-2352,0	2814,4	-2362,0	2825,0	-2372,0	2835,6	-2382,0	2846,2	-2392,0	2856,8	-2402,0	2867,4	-2412,0	2878,0	-2422,0	2888,6	-2432,0	2899,2	-2442,0	2909,8	-2452,0	2920,4	-2462,0	2931,0	-2472,0	2941,6	-2482,0	2952,2	-2492,0	2962,8	-2502,0	2973,4	-2512,0	2984,0	-2522,0	2994,6	-2532,0	3005,2	-2542,0	3015,8	-2552,0	3026,4	-2562,0	3037,0	-2572,0	3047,6	-2582,0	3058,2	-2592,0	3068,8	-2602,0	3079,4	-2612,0	3090,0	-2622,0	3100,6	-2632,0	3111,2	-2642,0	3121,8	-2652,0	3132,4	-2662,0	3143,0	-2672,0	3153,6	-2682,0	3164,2	-2692,0	3174,8	-2702,0	3185,4	-2712,0	3196,0	-2722,0	3206,6	-2732,0	3217,2	-2742,0	3227,8	-2752,0	3238,4	-2762,0	3249,0	-2772,0	3259,6	-2782,0	3270,2	-2792,0	3280,8	-2802,0	3291,4	-2812,0	3302,0	-2822,0	3312,6	-2832,0	3323,2	-2842,0	3333,8	-2852,0	3344,4	-2862,0	3355,0	-2872,0	3365,6	-2882,0	3376,2	-2892,0	3386,8	-2902,0	3397,4	-2912,0	3408,0	-2922,0	3418,6	-2932,0	3429,2	-2942,0	3439,8	-2952,0	3450,4	-2962,0	3461,0	-2972,0	3471,6	-2982,0	3482,2	-2992,0	3492,8	-3002,0	3503,4	-3012,0	3514,0	-3022,0	3524,6	-3032,0	3535,2	-3042,0	3545,8	-3052,0	3556,4	-3062,0	3567,0	-3072,0	3577,6	-3082,0	3588,2	-3092,0	3598,8	-3102,0	3609,4	-3112,0	3620,0	-3122,0	3630,6	-3132,0	3641,2	-3142,0	3651,8	-3152,0	3662,4	-3162,0	3673,0	-3172,0	3683,6	-3182,0	3694,2	-3192,0	3704,8	-3202,0	3715,4	-3212,0	3726,0	-3222,0	3736,6	-3232,0	3747,2	-3242,0	3757,8	-3252,0	3768,4	-3262,0	3779,0	-3272,0	3789,6	-3282,0	3800,2	-3292,0	3810,8	-3302,0	3821,4	-3312,0	3832,0	-3322,0	3842,6	-3332,0	3853,2	-3342,0	3863,8	-3352,0	3874,4	-3362,0	3885,0	-3372,0	3895,6	-3382,0	3906,2	-3392,0	3916,8	-3402,0	3927,4	-3412,0	3938,0	-3422,0	3948,6	-3432,0	3959,2	-3442,0	3969,8	-3452,0	3980,4	-3462,0	3991,0	-3472,0	4001,6	-3482,0	4012,2	-3492,0	4022,8	-3502,0	4033,4	-3512,0	4044,0	-3522,0	4054,6	-3532,0	4065,2	-3542,0	4075,8	-3552,0	4086,4	-3562,0	4097,0	-3572,0	4107,6	-3582,0	4118,2	-3592,0	4128,8	-3602,0	4139,4	-3612,0	4150,0	-3622,0	4160,6	-3632,0	4171,2	-3642,0	4181,8	-3652,0	4192,4	-3662,0	4203,0	-3672,0	4213,6	-3682,0	4224,2	-3692,0	4234,8	-3702,0	4245,4	-3712,0	4256,0	-3722,0	4266,6	-3732,0	4277,2	-3742,0	4287,8	-3752,0	4298,4	-3762,0	4309,0	-3772,0	4319,6	-3782,0	4330,2	-3792,0	4340,8	-3802,0	4351,4	-3812,0	4362,0	-3822,0	4372,6	-3832,0	4383,2	-3842,0	4393,8	-3852,0	4404,4	-3862,0	4415,0	-3872,0	4425,6	-3882,0	4436,2	-3892,0	4446,8	-3902,0	4457,4	-3912,0	4468,0	-3922,0	4478,6	-3932,0	4489,2	-3942,0	4500,0	-3952,0	4510,6	-3962,0	4521,2	-3972,0	4531,8	-3982,0	4542,4	-3992,0	4553,0	-4002,0	4563,6	-4012,0	4574,2	-4022,0	4584,8	-4032,0	4595,4	-4042,0	4606,0	-4052,0	4616,6	-4062,0	4627,2	-4072,0	4637,8	-4082,0	4648,4	-4092,0	4659,0	-4102,0	4669,6	-4112,0	4680,2	-4122,0	4690,8	-4132,0	4701,4	-4142,0	4712,0	-4152,0	4722,6	-4162,0	4733,2	-4172,0	4743,8	-4182,0	4754,4	-4192,0	4765,0	-4202,0	4775,6	-4212,0	4786,2	-4222,0	4796,8	-4232,0	4807,4	-4242,0	4818,0	-4252,0	4828,6	-4262,0	4839,2	-4272,0	4849,8	-4282,0	4860,4	-4292,0	4871,0	-4302,0	4881,6	-4312,0	4892,2	-4322,0	4902,8	-4332,0	4913,4	-4342,0	4924,0	-4352,0	4934,6	-4362,0	4945,2	-4372,0	4955,8	-4382,0	4966,4	-4392,0	4977,0	-4402,0	4987,6	-4412,0	4998,2	-4422,0	5008,8	-4432,0	5019,4	-4442,0	5030,0	-4452,0	5040,6	-4462,0	5051,2	-4472,0	5061,8	-4482,0	5072,4	-4492,0	5083,0	-4502,0	5093,6	-4512,0	5104,2	-4522,0	5114,8	-4532,0	5125,4	-4542,0	5136,0	-4552,0	5146,6	-4562,0	5157,2	-4572,0	5167,8	-4582,0	5178,4	-4592,0	5189,0	-4602,0	5200,0	-4612,0	5210,6	-4622,0	5221,2	-4632,0	5231,8	-4642,0	5242,4	-4652,0	5253,0	-4662,0	5263,6	-4672,0	5274,2	-4682,0	5284,8	-4692,0	5295,4	-4702,0	5306,0	-4712,0	5316,6	-4722,0	5327,2	-4732,0	5337,8	-4742,0	5348,4	-4752,0	5359,0	-4762,0	5369,6	-4772,0	5380,2	-4782,0	5390,8	-4792,0	5401,4	-4802,0	5412,0	-4812,0	5422,6	-4822,0	5433,2	-4832,0	5443,8	-4842,0	5454,4	-4852,0	5465,0	-4862,0	5475,6	-4872,0	5486,2	-4882,0	5496,8	-4892,0	5507,4	-4902,0	5518,0	-4912,0	5528,6	-4922,0	5539,2	-4932,0	5549,8	-4942,0	5560,4	-4952,0	5571,0	-4962,0	5581,6	-4972,0	5592,2	-4982,0	5602,8	-4992,0	5613,4	-5002,0	5624,0	-5012,0	5634,6	-5022,0	5645,2	-5032,0	5655,8	-5042,0	5666,4	-5052,0	5677,0	-5062,0	5687,6	-5072,0	5698,2	-5082,0	5708,8	-5092,0	5719,4	-5102,0	5730,0	-5112,0	5740,6	-512

Capacity Table (kW) Kapasite Tablosu

R407C

CHILLED WATER LEAVING SU ÇIKIŞI	CONDENSER ENTERING AIR TEMP. / KONDENSERE HAVA GİRİŞ SICAKLIĞI																						
	24 °C		26 °C		28 °C		30 °C		32 °C		34 °C		36 °C		38 °C		40 °C		42 °C		44 °C		
	Q	No	Q	No	Q	No	Q	No	Q	No	Q	No	Q	No	Q	No	Q	No	Q	No	Q	No	
6°C	EBHV-210.1																						
	573,0	123,9	559,0	128,8	544,0	134,0	529,0	139,5	513,0	145,2	498,0	151,3	482,0	157,6	466,0	164,2	450,0	171,1	433,0	178,3	417,0	185,8	185,8
	595,0	124,6	580,0	129,5	565,0	134,6	550,0	140,1	534,0	145,8	518,0	151,9	501,0	158,2	485,0	164,8	468,0	171,7	451,0	178,9	434,0	186,4	186,4
	618,0	125,3	603,0	130,1	587,0	135,3	571,0	140,7	555,0	146,4	538,0	152,5	521,0	158,8	504,0	165,3	487,0	172,2	470,0	179,4	452,0	186,9	186,9
	642,0	126,0	626,0	130,8	610,0	136,0	593,0	141,4	576,0	147,1	559,0	153,1	542,0	159,3	524,0	165,9	507,0	172,8	489,0	180,0	471,0	187,5	187,5
10°C	EBHV-210.1																						
	666,0	126,8	650,0	131,6	633,0	136,7	616,0	142,0	599,0	147,7	581,0	153,7	563,0	159,9	545,0	166,5	527,0	173,3	508,0	180,5	490,0	188,0	188,0
	691,0	127,5	674,0	132,3	657,0	137,3	640,0	142,7	622,0	148,3	604,0	154,3	585,0	160,5	567,0	167,1	548,0	173,9	529,0	181,1	509,0	188,5	188,5
	717,0	128,3	699,0	133,0	682,0	138,1	664,0	143,4	645,0	149,0	627,0	154,9	608,0	161,1	588,0	167,6	569,0	174,5	549,0	181,6	530,0	189,0	189,0
	743,0	129,1	725,0	133,8	707,0	138,8	689,0	144,1	670,0	149,6	650,0	155,5	631,0	161,7	611,0	168,2	591,0	175,0	571,0	182,1	550,0	189,6	189,6
14°C	EBHV-240Y.1																						
	770,0	129,9	752,0	134,6	733,0	139,5	714,0	144,8	695,0	150,3	675,0	156,1	655,0	162,3	634,0	168,8	614,0	175,6	593,0	182,7	572,0	190,1	190,1
	798,0	130,8	779,0	135,4	760,0	140,3	740,0	145,5	720,0	151,0	700,0	156,8	679,0	162,9	658,0	169,3	637,0	176,1	615,0	183,2	594,0	190,6	190,6
	824,0	131,6	804,0	136,2	784,0	141,1	764,0	146,2	744,0	151,9	724,0	157,7	703,0	163,6	682,0	170,1	661,0	177,0	639,0	184,1	618,0	192,1	192,1
	850,0	132,4	829,0	137,0	809,0	141,7	789,0	146,8	769,0	152,6	749,0	158,5	728,0	165,4	707,0	170,0	686,0	177,9	664,0	185,0	646,0	193,0	193,0
15°C	EBHV-240Y.1																						
	876,0	133,2	856,0	133,8	836,0	139,4	816,0	144,5	796,0	155,4	776,0	161,2	756,0	168,0	736,0	173,9	716,0	179,8	696,0	186,7	676,0	193,0	193,0
	902,0	134,0	882,0	134,6	862,0	140,0	842,0	145,1	822,0	150,3	802,0	156,1	782,0	162,9	762,0	168,8	742,0	174,5	722,0	182,1	702,0	193,0	193,0
	928,0	134,8	908,0	135,4	888,0	140,9	868,0	146,2	848,0	151,9	828,0	157,7	808,0	164,6	788,0	170,0	768,0	176,1	748,0	184,1	728,0	193,0	193,0
	954,0	135,6	934,0	136,2	914,0	141,7	894,0	146,8	874,0	152,6	854,0	158,5	834,0	165,4	814,0	170,0	794,0	176,1	774,0	186,7	754,0	193,0	193,0
15°C	EBHV-280Y.1																						
	979,0	136,4	959,0	137,0	939,0	142,0	919,0	147,1	899,0	152,6	879,0	158,5	859,0	165,4	839,0	170,0	819,0	176,1	799,0	186,7	779,0	193,0	193,0
	1005,0	137,2	985,0	137,8	965,0	142,9	945,0	148,0	925,0	153,7	905,0	159,6	885,0	167,0	865,0	173,9	845,0	179,8	825,0	190,0	805,0	193,0	193,0
	1031,0	138,0	1011,0	138,6	991,0	143,8	971,0	148,9	951,0	154,7	931,0	160,6	911,0	169,5	891,0	176,6	871,0	182,7	851,0	196,7	831,0	193,0	193,0
	1057,0	138,8	1037,0	139,4	1017,0	144,7	997,0	149,8	977,0	155,6	957,0	161,6	937,0	170,4	917,0	176,6	897,0	182,7	877,0	196,7	857,0	193,0	193,0
15°C	EBHV-280Y.1																						
	1083,0	139,6	1063,0	140,2	1043,0	145,1	1023,0	150,3	1003,0	155,4	983,0	161,2	963,0	168,0	943,0	173,9	923,0	179,8	903,0	190,0	883,0	193,0	193,0
	1109,0	140,4	1089,0	141,0	1069,0	145,9	1049,0	151,0	1029,0	156,1	1009,0	161,9	989,0	168,8	969,0	173,9	949,0	180,0	929,0	196,7	909,0	193,0	193,0
	1135,0	141,2	1115,0	141,8	1095,0	146,7	1075,0	151,9	1055,0	157,0	1035,0	162,8	1015,0	164,6	995,0	173,9	975,0	180,0	955,0	196,7	935,0	193,0	193,0
	1161,0	142,0	1141,0	142,6	1121,0	147,4	1101,0	152,6	1081,0	158,5	1061,0	163,6	1041,0	165,4	1021,0	173,9	1001,0	180,0	981,0	196,7	961,0	193,0	193,0
15°C	EBHV-280Y.1																						
	1187,0	142,8	1167,0	143,4	1147,0	148,0	1127,0	153,7	1107,0	158,5	1087,0	164,6	1067,0	168,0	1047,0	173,9	1027,0	180,0	1007,0	196,7	987,0	193,0	193,0
	1213,0	143,6	1193,0	144,0	1173,0	148,9	1153,0	154,7	1133,0	159,6	1113,0	165,4	1093,0	169,5	1073,0	176,6	1053,0	182,7	1033,0	196,7	1013,0	193,0	193,0
	1239,0	144,4	1219,0	144,9	1199,0	149,8	1179,0	155,6	1159,0	160,6	1139,0	166,5	1119,0	168,8	1099,0	176,6	1079,0	182,7	1059,0	196,7	1039,0	193,0	193,0
	1265,0	145,2	1245,0	145,8	1225,0	150,7	1205,0	151,6	1185,0	152,6	1165,0	157,0	1145,0	162,8	1125,0	168,0	1105,0	173,9	1085,0	196,7	1065,0	193,0	193,0

N_e = Power input (kW) Kompresör mil gücü

Q = Cooling capacity (kW) Soğutma kapasitesi

Capacity Table (kW) Kapasite Tablosu

R407C

TYPE CİHAZ TİPİ	CONDENSER ENTERING AIR TEMP. / KONDENSERE HAVA GİRİŞ SICAKLIĞI																						
	24 °C		26 °C		28 °C		30 °C		32 °C		34 °C		36 °C		38 °C		40 °C		42 °C		44 °C		
	Q	No	Q	No	Q	No	Q	No	Q	No	Q	No	Q	No	Q	No	Q	No	Q	No	Q	No	
CHILLED WATER LEAVING SU ÇIKIŞI	6°C	869,0	180,4	850,0	187,9	831,0	195,6	811,0	204,0	790,0	212,0	770,0	221,0	749,0	229,0	727,0	239,0	705,0	248,0	-	-	-	-
	7°C	903,0	181,5	883,0	188,9	863,0	196,7	843,0	205,0	822,0	213,0	801,0	222,0	779,0	231,0	757,0	240,0	734,0	250,0	-	-	-	-
	8°C	937,0	182,5	917,0	190,0	897,0	197,8	876,0	206,0	854,0	214,0	832,0	223,0	810,0	232,0	787,0	241,0	764,0	251,0	-	-	-	-
	9°C	973,0	183,6	952,0	191,1	931,0	198,8	910,0	207,0	888,0	215,0	865,0	224,0	842,0	233,0	819,0	242,0	795,0	252,0	-	-	-	-
	10°C	1.010,0	184,6	988,0	192,1	967,0	199,9	945,0	208,0	922,0	216,0	899,0	225,0	875,0	234,0	851,0	244,0	827,0	253,0	-	-	-	-
	11°C	1.047,0	185,7	1.025,0	193,2	1.003,0	201,0	981,0	209,0	957,0	218,0	934,0	226,0	910,0	235,0	885,0	245,0	860,0	255,0	-	-	-	-
	12°C	1.086,0	186,7	1.064,0	194,2	1.041,0	202,0	1.018,0	210,0	994,0	219,0	969,0	227,0	945,0	237,0	919,0	246,0	893,0	256,0	-	-	-	-
	13°C	1.126,0	187,7	1.103,0	195,3	1.080,0	203,0	1.056,0	211,0	1.031,0	220,0	1.006,0	229,0	981,0	238,0	955,0	247,0	928,0	257,0	-	-	-	-
	14°C	1.167,0	188,7	1.143,0	196,3	1.119,0	204,0	1.095,0	212,0	1.070,0	221,0	1.044,0	230,0	1.018,0	239,0	991,0	248,0	964,0	258,0	-	-	-	-
	15°C	1.209,0	189,8	1.185,0	197,3	1.160,0	205,0	1.135,0	213,0	1.109,0	222,0	1.083,0	231,0	1.056,0	240,0	1.029,0	249,0	1.001,0	259,0	-	-	-	-
	6°C	1.010,0	216,8	982,0	226,2	956,0	236,2	928,0	246,6	900,0	257,6	872,0	269,0	842,0	280,8	814,0	293,2	784,0	305,8	754,0	319,0	724,0	332,6
	7°C	1.050,0	217,6	1.022,0	227,0	994,0	237,0	966,0	247,6	938,0	258,4	908,0	270,0	878,0	281,8	848,0	294,2	818,0	307,0	788,0	320,2	756,0	333,8
	8°C	1.090,0	218,4	1.062,0	227,8	1.034,0	237,8	1.004,0	248,4	976,0	259,4	944,0	270,8	914,0	282,8	884,0	295,2	852,0	308,0	820,0	321,2	788,0	335,0
	9°C	1.134,0	219,0	1.104,0	228,6	1.076,0	238,6	1.044,0	249,0	1.014,0	260,2	984,0	271,6	952,0	283,6	920,0	296,0	888,0	309,0	856,0	322,2	822,0	336,0
	10°C	1.178,0	219,6	1.148,0	229,2	1.118,0	239,2	1.086,0	249,8	1.054,0	260,8	1.022,0	272,4	990,0	284,4	958,0	296,8	924,0	309,8	890,0	323,2	856,0	337,0
11°C	1.222,0	220,2	1.192,0	229,8	1.160,0	239,8	1.128,0	250,4	1.096,0	261,4	1.064,0	273,0	1.030,0	285,0	996,0	297,6	962,0	310,6	928,0	324,0	892,0	337,8	
12°C	1.270,0	220,6	1.238,0	230,2	1.206,0	240,2	1.172,0	250,8	1.140,0	262,0	1.106,0	273,6	1.070,0	285,6	1.036,0	298,2	1.000,0	311,2	966,0	324,6	930,0	338,6	
13°C	1.316,0	221,0	1.284,0	230,6	1.252,0	240,6	1.218,0	251,2	1.184,0	262,4	1.148,0	274,0	1.112,0	286,0	1.078,0	298,6	1.040,0	311,8	1.004,0	325,2	968,0	339,4	
14°C	1.366,0	221,4	1.332,0	230,8	1.298,0	241,0	1.264,0	251,6	1.228,0	262,6	1.192,0	274,4	1.156,0	286,4	1.120,0	299,0	1.082,0	312,2	1.044,0	325,8	1.006,0	339,8	
15°C	1.416,0	221,4	1.382,0	231,0	1.348,0	241,2	1.312,0	251,8	1.276,0	262,8	1.238,0	274,6	1.200,0	286,8	1.162,0	299,4	1.124,0	312,6	1.086,0	326,2	1.046,0	340,2	
6°C	1.146,0	247,8	1.118,0	257,6	1.088,0	268,0	1.058,0	279,0	1.026,0	290,4	996,0	302,6	964,0	315,2	932,0	328,4	900,0	342,2	866,0	356,6	834,0	371,6	
7°C	1.190,0	249,2	1.160,0	259,0	1.130,0	269,2	1.100,0	280,2	1.068,0	291,6	1.036,0	303,8	1.002,0	316,4	970,0	329,6	936,0	343,4	902,0	357,8	868,0	372,8	
8°C	1.236,0	250,6	1.206,0	260,2	1.174,0	270,6	1.142,0	281,4	1.110,0	292,8	1.076,0	305,0	1.042,0	317,6	1.008,0	330,6	974,0	344,4	940,0	358,8	904,0	373,8	
9°C	1.284,0	252,0	1.252,0	261,6	1.220,0	272,0	1.186,0	282,8	1.152,0	294,2	1.118,0	306,2	1.084,0	318,6	1.048,0	331,8	1.014,0	345,6	978,0	360,0	942,0	375,0	
10°C	1.332,0	253,6	1.300,0	263,2	1.266,0	273,4	1.232,0	284,0	1.198,0	295,4	1.162,0	307,4	1.126,0	319,8	1.090,0	333,0	1.054,0	346,6	1.016,0	361,0	980,0	376,0	
11°C	1.382,0	255,0	1.348,0	264,6	1.314,0	274,6	1.280,0	285,4	1.244,0	296,6	1.208,0	308,6	1.170,0	321,0	1.134,0	334,2	1.096,0	347,8	1.058,0	362,2	1.018,0	377,0	
12°C	1.434,0	256,6	1.398,0	266,0	1.364,0	276,2	1.328,0	286,8	1.290,0	298,0	1.254,0	309,8	1.216,0	322,2	1.176,0	335,2	1.138,0	349,0	1.098,0	363,2	1.060,0	378,0	
13°C	1.486,0	258,2	1.450,0	267,6	1.414,0	277,6	1.378,0	288,2	1.340,0	299,2	1.300,0	311,0	1.262,0	323,4	1.222,0	336,4	1.182,0	350,0	1.142,0	364,2	1.100,0	379,2	
14°C	1.540,0	259,8	1.504,0	269,2	1.466,0	279,0	1.428,0	289,6	1.390,0	300,6	1.350,0	312,2	1.310,0	324,6	1.268,0	337,6	1.228,0	351,2	1.186,0	365,4	1.144,0	380,2	
15°C	1.596,0	261,6	1.558,0	270,8	1.520,0	280,6	1.480,0	291,0	1.440,0	302,0	1.400,0	313,6	1.358,0	325,8	1.316,0	338,6	1.274,0	352,2	1.230,0	366,4	1.188,0	381,2	

Q= Cooling capacity (kW) Soğutma kapasitesi

N_c= Power input (kW) Kompresör mil gücü

Capacity Table (kW) Kapasite Tablosu

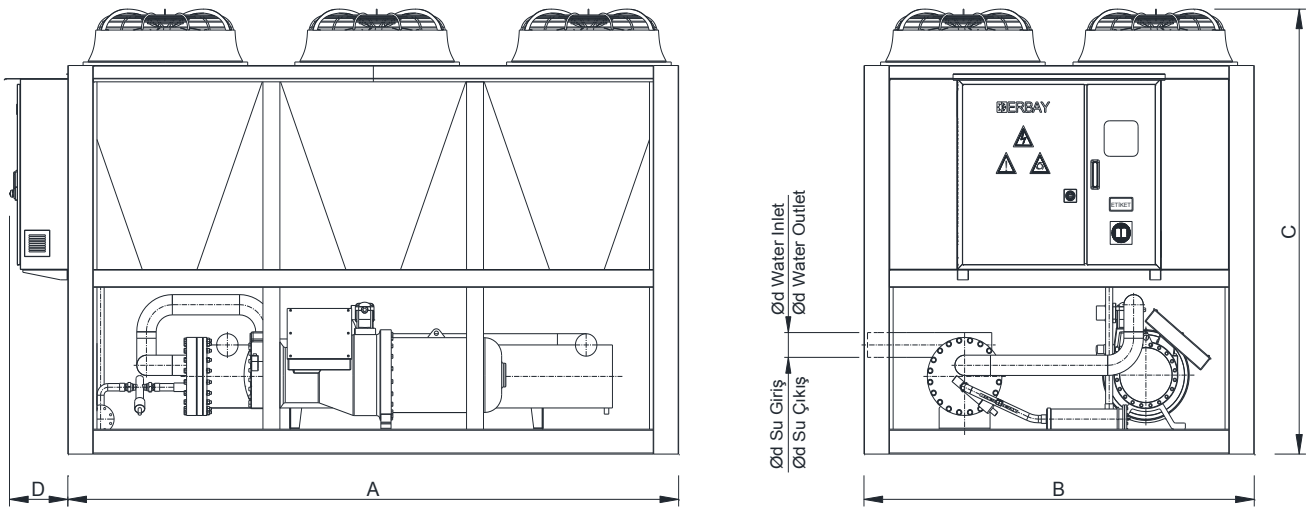
R407C

TYPE CİHAZ TİPİ	CONDENSER ENTERING AIR TEMP. / KONDENSERE HAVA GİRİŞ SICAKLIĞI																						
	24 °C		26 °C		28 °C		30 °C		32 °C		34 °C		36 °C		38 °C		40 °C		42 °C		44 °C		
	Q	No	Q	No	Q	No	Q	No	Q	No	Q	No	Q	No	Q	No	Q	No	Q	No	Q	No	
CHILLED WATER LEAVING SU ÇIKIŞI	6°C	1.348,0	289,4	1.314,0	299,6	1.282,0	310,6	1.248,0	322,0	1.216,0	334,2	1.182,0	347,0	1.148,0	360,4	1.112,0	374,8	1.078,0	389,8	1.044,0	406,0	1.008,0	422,0
	7°C	1.400,0	291,8	1.368,0	302,0	1.334,0	312,8	1.300,0	324,4	1.264,0	336,4	1.230,0	349,2	1.194,0	362,6	1.158,0	376,8	1.122,0	391,8	1.086,0	408,0	1.050,0	424,0
	8°C	1.456,0	294,2	1.422,0	304,4	1.386,0	315,2	1.352,0	326,6	1.316,0	338,8	1.280,0	351,4	1.242,0	364,8	1.206,0	379,0	1.168,0	394,0	1.130,0	410,0	1.094,0	426,0
	9°C	1.512,0	296,8	1.478,0	307,0	1.440,0	317,8	1.404,0	329,0	1.368,0	341,0	1.330,0	353,8	1.292,0	367,2	1.254,0	381,2	1.216,0	396,2	1.176,0	412,0	1.138,0	428,0
	10°C	1.572,0	299,4	1.534,0	309,6	1.498,0	320,2	1.460,0	331,6	1.422,0	343,4	1.382,0	356,2	1.344,0	369,4	1.304,0	383,6	1.264,0	398,4	1.224,0	414,0	1.184,0	430,0
EBHV- 240Y.2	11°C	1.632,0	302,0	1.594,0	312,2	1.554,0	322,8	1.516,0	334,0	1.476,0	346,0	1.436,0	358,6	1.396,0	371,8	1.356,0	385,8	1.314,0	400,0	1.272,0	416,0	1.230,0	432,0
	12°C	1.694,0	304,8	1.654,0	314,8	1.614,0	325,4	1.574,0	336,6	1.534,0	348,6	1.492,0	361,0	1.450,0	374,4	1.408,0	388,2	1.366,0	404,0	1.322,0	418,0	1.280,0	436,0
	13°C	1.758,0	307,8	1.716,0	317,6	1.676,0	328,2	1.634,0	339,4	1.592,0	351,2	1.550,0	363,6	1.506,0	376,8	1.462,0	390,8	1.418,0	406,0	1.374,0	422,0	1.330,0	438,0
	14°C	1.822,0	310,6	1.780,0	320,6	1.738,0	331,0	1.696,0	342,2	1.652,0	353,8	1.608,0	366,2	1.564,0	379,4	1.518,0	393,4	1.474,0	408,0	1.428,0	424,0	1.382,0	440,0
	15°C	1.890,0	313,6	1.848,0	323,6	1.804,0	334,0	1.758,0	345,0	1.714,0	356,6	1.668,0	369,0	1.622,0	382,0	1.576,0	396,0	1.530,0	410,0	1.482,0	426,0	1.434,0	442,0
EBHV- 280Y.2	6°C	1.530,0	327,4	1.496,0	341,0	1.462,0	355,0	1.426,0	369,4	1.390,0	384,6	1.354,0	400,0	1.318,0	416,0	1.280,0	434,0	1.240,0	450,0	1.200,0	468,0	1.160,0	486,0
	7°C	1.588,0	329,4	1.554,0	342,8	1.518,0	357,0	1.482,0	371,6	1.446,0	386,6	1.408,0	402,0	1.370,0	418,0	1.332,0	436,0	1.292,0	452,0	1.252,0	470,0	1.210,0	490,0
	8°C	1.650,0	331,2	1.614,0	344,8	1.578,0	358,8	1.542,0	373,6	1.504,0	388,8	1.464,0	404,0	1.426,0	420,0	1.386,0	438,0	1.344,0	456,0	1.302,0	474,0	1.260,0	492,0
	9°C	1.712,0	333,2	1.676,0	346,8	1.638,0	360,8	1.600,0	375,6	1.562,0	390,8	1.522,0	406,0	1.482,0	422,0	1.442,0	440,0	1.400,0	458,0	1.356,0	476,0	1.312,0	494,0
	10°C	1.776,0	335,0	1.740,0	348,6	1.702,0	362,8	1.662,0	377,6	1.622,0	392,8	1.582,0	408,0	1.540,0	426,0	1.498,0	442,0	1.456,0	460,0	1.412,0	478,0	1.366,0	496,0
EBHV- 300Y.2	11°C	1.844,0	337,0	1.804,0	350,6	1.766,0	364,8	1.726,0	379,6	1.684,0	394,8	1.644,0	410,0	1.600,0	428,0	1.558,0	444,0	1.512,0	462,0	1.468,0	480,0	1.422,0	498,0
	12°C	1.912,0	338,8	1.872,0	352,4	1.832,0	366,6	1.790,0	381,4	1.748,0	396,8	1.706,0	412,0	1.662,0	430,0	1.618,0	446,0	1.572,0	464,0	1.526,0	482,0	1.478,0	502,0
	13°C	1.982,0	340,6	1.942,0	354,4	1.900,0	368,6	1.858,0	383,4	1.814,0	398,8	1.770,0	414,0	1.726,0	432,0	1.680,0	448,0	1.634,0	466,0	1.586,0	484,0	1.538,0	504,0
	14°C	2.054,0	342,6	2.012,0	356,2	1.970,0	370,4	1.926,0	385,4	1.882,0	400,0	1.838,0	416,0	1.792,0	434,0	1.744,0	450,0	1.696,0	468,0	1.648,0	486,0	1.598,0	506,0
	15°C	2.128,0	344,4	2.086,0	358,0	2.042,0	372,4	1.998,0	387,2	1.952,0	402,0	1.906,0	418,0	1.858,0	436,0	1.810,0	452,0	1.762,0	470,0	1.712,0	488,0	1.660,0	508,0
6°C	1.738,0	360,8	1.700,0	375,8	1.662,0	391,2	1.622,0	408,0	1.580,0	424,0	1.540,0	442,0	1.498,0	458,0	1.454,0	478,0	1.410,0	496,0	-	-	-	-	
7°C	1.806,0	363,0	1.766,0	377,8	1.726,0	393,4	1.686,0	410,0	1.644,0	426,0	1.602,0	444,0	1.558,0	462,0	1.514,0	480,0	1.468,0	500,0	-	-	-	-	
8°C	1.874,0	365,0	1.834,0	380,0	1.794,0	395,6	1.752,0	412,0	1.708,0	428,0	1.664,0	446,0	1.620,0	464,0	1.574,0	482,0	1.528,0	502,0	-	-	-	-	
9°C	1.946,0	367,2	1.904,0	382,2	1.862,0	397,6	1.820,0	414,0	1.776,0	430,0	1.730,0	448,0	1.684,0	466,0	1.638,0	484,0	1.590,0	504,0	-	-	-	-	
10°C	2.020,0	369,2	1.976,0	384,2	1.934,0	399,8	1.890,0	416,0	1.844,0	432,0	1.798,0	450,0	1.750,0	468,0	1.702,0	488,0	1.654,0	506,0	-	-	-	-	
11°C	2.094,0	371,4	2.050,0	386,4	2.006,0	402,0	1.962,0	418,0	1.914,0	436,0	1.868,0	452,0	1.820,0	470,0	1.770,0	490,0	1.720,0	510,0	-	-	-	-	
12°C	2.172,0	373,4	2.128,0	388,4	2.082,0	404,0	2.036,0	420,0	1.988,0	438,0	1.938,0	454,0	1.890,0	474,0	1.838,0	492,0	1.786,0	512,0	-	-	-	-	
13°C	2.252,0	375,4	2.206,0	390,6	2.160,0	406,0	2.112,0	422,0	2.062,0	440,0	2.012,0	458,0	1.962,0	476,0	1.910,0	494,0	1.856,0	514,0	-	-	-	-	
14°C	2.334,0	377,4	2.286,0	392,6	2.238,0	408,0	2.190,0	424,0	2.140,0	442,0	2.088,0	460,0	2.036,0	478,0	1.982,0	496,0	1.928,0	516,0	-	-	-	-	
15°C	2.418,0	379,6	2.370,0	394,6	2.320,0	410,0	2.270,0	426,0	2.218,0	444,0	2.166,0	462,0	2.112,0	480,0	2.058,0	498,0	2.002,0	518,0	-	-	-	-	

N_e= Power input (kW) Kompresör güçü

Q= Cooling capacity (kW) Soğutma kapasitesi

Dimensions *Boyutlar*

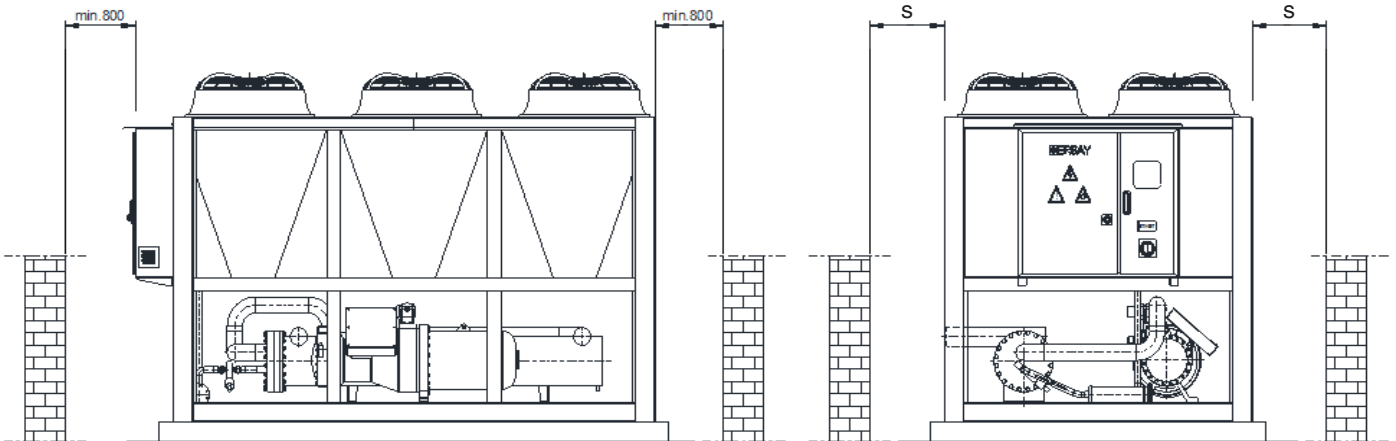


Type Cihaz Tipi	EBHV- 50Y.1	EBHV- 60Y.1	EBHV- 70Y.1	EBHV- 80Y.1	EBHV- 90Y.1	EBHV- 110Y.1	EBHV- 125Y.1	EBHV- 140Y.1	EBHV- 180Y.1	EBHV- 210Y.1	EBHV- 240Y.1	EBHV- 280Y.1	EBHV- 300Y.1	EBHV- 180Y.2	EBHV- 210Y.2	EBHV- 240.2	EBHV- 280Y.2	EBHV- 300Y.2
A	1300	1300	2400	2400	2400	2400	3600	3600	4800	4800	6000	6000	7200	9600	9600	12000	12000	14400
B	2250	2250	2250	2250	2250	2250	2250	2250	2250	2250	2250	2250	2250	2250	2250	2250	2250	2250
C	2380	2380	2405	2505	2505	2505	2505	2555	2555	2555	2555	2605	2605	2555	2555	2555	2605	2605
D	375	375	375	375	375	375	375	375	425	425	425	425	425	425	425	425	425	425
d	DN65	DN80	DN100	DN100	DN100	DN100	DN125	DN125	DN125	DN150	DN150	DN200	DN200	2xDN125	2xDN150	2xDN150	2xDN200	2xDN200

CLEARANCES OF UNIT / CİHAZ YERLEŞİM ÖLÇÜSÜ

S	1000	1000	1100	1100	1100	1100	1200	1200	1300	1300	1500	1500	1500	1800	1800	2000	2000	2000
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Clearances *Cihaz Yerleşimi*



Note : We reserve the right to make changes in dimensions and design at any time, without notice
 Not : Ölçü ve dizayn deęiřtirme hakkımız mahfuzdur.