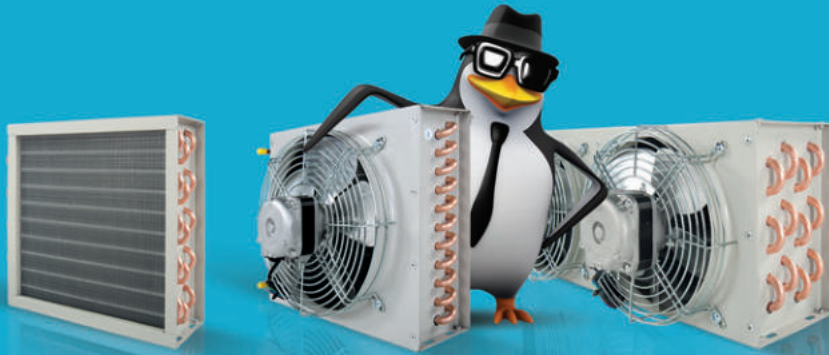


BUZÇELİK

THERMIC EQUIPMENTS INDUSTRY

**TİCARİ TİP
KONDENSERLER**
commercial type
condensers

KK-KL-KS
MKK-MKL-MKS
SERIES



www.buzcelik.com.tr

Hakkımızda

Buzçelik, Türkiye'de ısı deęiřtiriciler alanında lider üreticilerden biridir.

Farklı teknolojileri içeren bir ürün portföyünün yanı sıra kapsamlı bir destek sunan Buzçelik, gelişmiş makine parkuru, 30.000 m2'nin üzerinde üretim alanı ve verimli iş gücü ile komple tedarik çevrimi için uzman bir çözüm ortağıdır. 1982 yılında kuruluşundan bu yana, üstün kalite ve kusursuz ürün sunmayı ilke edinerek müşterilerinin memnuniyetini sağlamıştır.

Buzçelik, sürdürülebilir bir soğutma endüstrisi için yenilikçi ürünleri ile stratejik hedef temelleri ışığında yenilikler sunmak adına kalitesini dünya çapında geliştirmektedir. Avrupa standartlarında nitelikli ürünler ve imalat konsepti ile uzun vadeli stratejik hedefleri tanımlarken, küresel alanda güçlü bir profil ortaya koyarken, sadece Türkiye'de deęil küresel pazarda da liderliği hedefleyen oyuncu olma yolunda emin adımlarla ilerlemektedir.

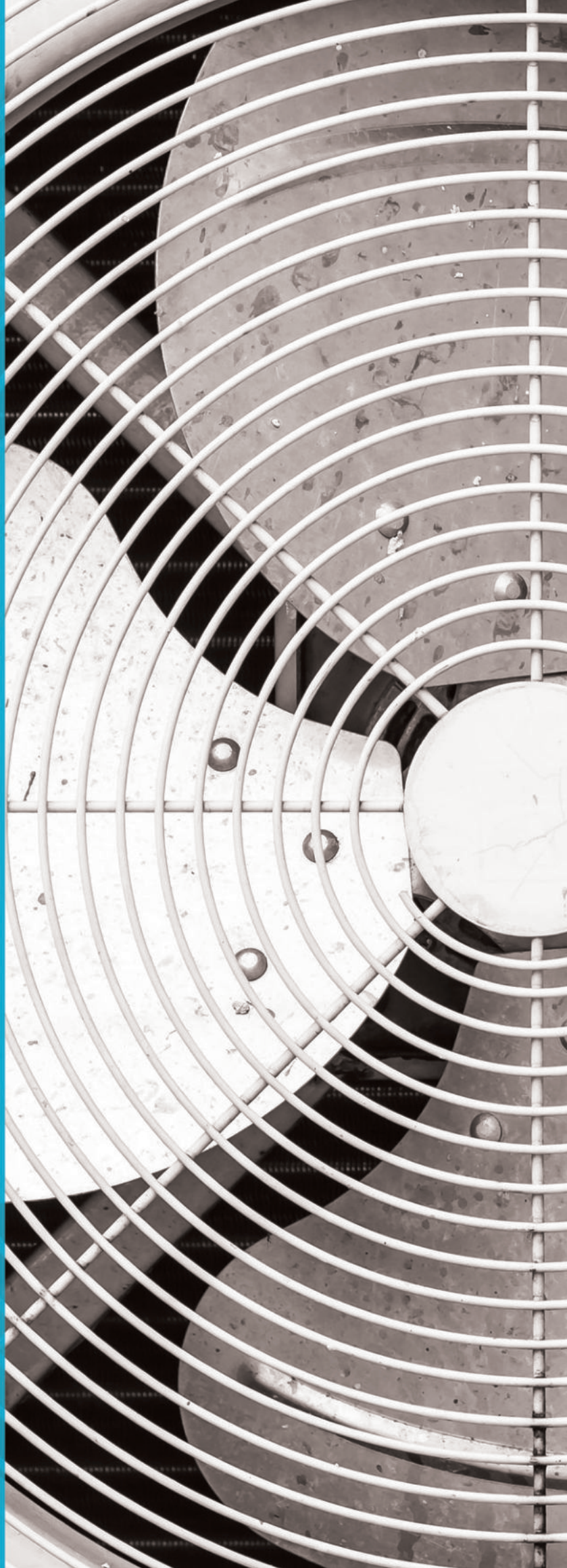
Kuruluşundan bu yana iş ortamıyla uzun vadeli ilişkiler kurmayı temel ilke olarak kabul ederek sektörün önde gelen şirketlerinden biri olmuştur ve kendini sektörde ilerletmek için hayati önlemler almıştır.

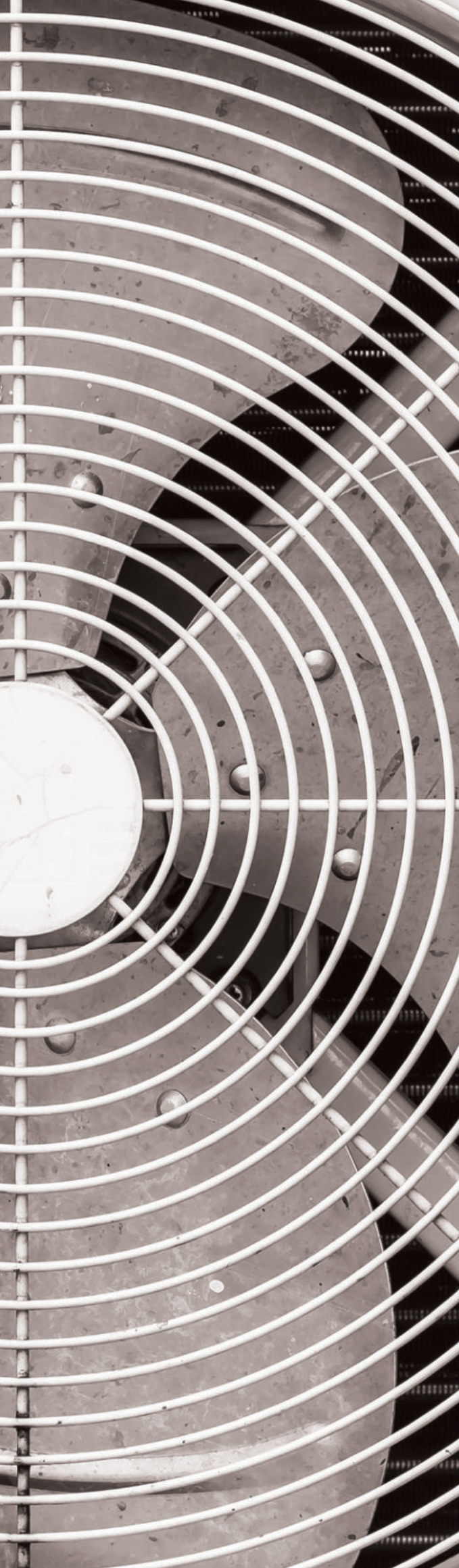
Sektörel koşulları göz önüne alan Buzçelik, bazı önemli özellikleriyle ayrılmaktadır:

- Ar-Ge faaliyetleri sürekli aralıklarla müşteri ihtiyaçlarına göre geliştirilmiş ve genişletilebilir ürün yelpazesini,
- "Profesyonel Yeterlilik" ile birlikte "Makul Maliyet" avantajı sunan fiyat politikası,
- Müşteri gereksinimlerine hızlı cevap veren üretim politikası ve kısa vadede teslimat politikası,
- Müşterilerin ürünleri kolayca görüntüleyebilmelerini ve hem teknik hem de fiyat verilerine ulaşmalarına yardımcı seçim yazılımlarıyla tüm dijital platformları (web, ios, android, masaüstü) destekler.

Standartların belgelendirilmesi sürecinde Buzçelik, rekabetçi bir organizasyon olarak etkin işgücü, müşteriler, bayi-ler ve tedarikçilerle bu hedeflere ulaşmak için çalışır. Buzçelik'in büyümesinin temeli, yenilikçi gücüne bağlıdır ve ana hedefi beklentileri aşarak müşteri memnuniyetini artırmaktır. Buzçelik, müşterilerinin karşılaştığı zorlukları, destek altyapısı kapsamında en doğru çözümü bulana kadar tutku ve sebatla değerlendirebilir.

Buzçelik, gelecekte de müşterilerine, çalışanlarına, sanayiye, topluma ve çevreye katma deęer sağlamaya devam edecek, uzun vadeli planlamalar ve gerekli yatırımları gerçekleştirerek güven sembolü olmaya devam edecektir. Buzçelik'i sektör için güçlü ve güvenilir bir ortak yapan şey budur.





About Us

Buzcelik is one of the leading manufacturers in the field of heat exchanger in Turkey.

With a product portfolio that includes different technologies, as well as a comprehensive offering in support, Buzcelik is an expert solution partner for the complete procurement cycle with the improved machinery park, over 30.000 m2 production site and efficient labor force. Since its inception in the year 1982, it has provided customers' satisfaction faithfully by offering superior quality and faultless products.

Buzcelik improves quality worldwide to deliver innovations for a sustainable cooling industry in the light of the basis on the strategic objective with its innovative products.

While defining long-term strategic objectives with the qualified products and manufacturing concept in European Standards as putting forth powerful profile in the global arena, it is firmly advancing in line to be player aiming leadership not only in Turkey but also in the global market.

It accepts as a basic principle to establish long-term relationships with the business environment since its establishment and has been one of the leading companies in the industry and has taken vital steps to move forward on its own and the sector.

Considering the sectoral conditions Buzcelik is discriminated from the competitors by some significant specifications:

- Improving and expandable product range according to customer requirements by incessantly R&D activities,
- The price policy that offers "Reasonable Money" advantage along with "Professional Value",
- The manufacturing policy that responds to the customer needs rapidly and realize delivery in short term,
- Supporting all digital platforms (web, ios, android, desktop) software that allow the customers to view the products easily and helps reaching both technical and price data.

Certificating the standards Buzcelik, as a competitive organization, increase the effort to reach to these targets with the effective labor force, customers, dealers and suppliers.

The basis for the Buzcelik's growth depends on its innovative strength and its main goal is to exceed expectations and to improve customer satisfaction. Buzcelik consider its customers' challenges with passion and persistence until the right solution is found on the scope of support infrastructure.

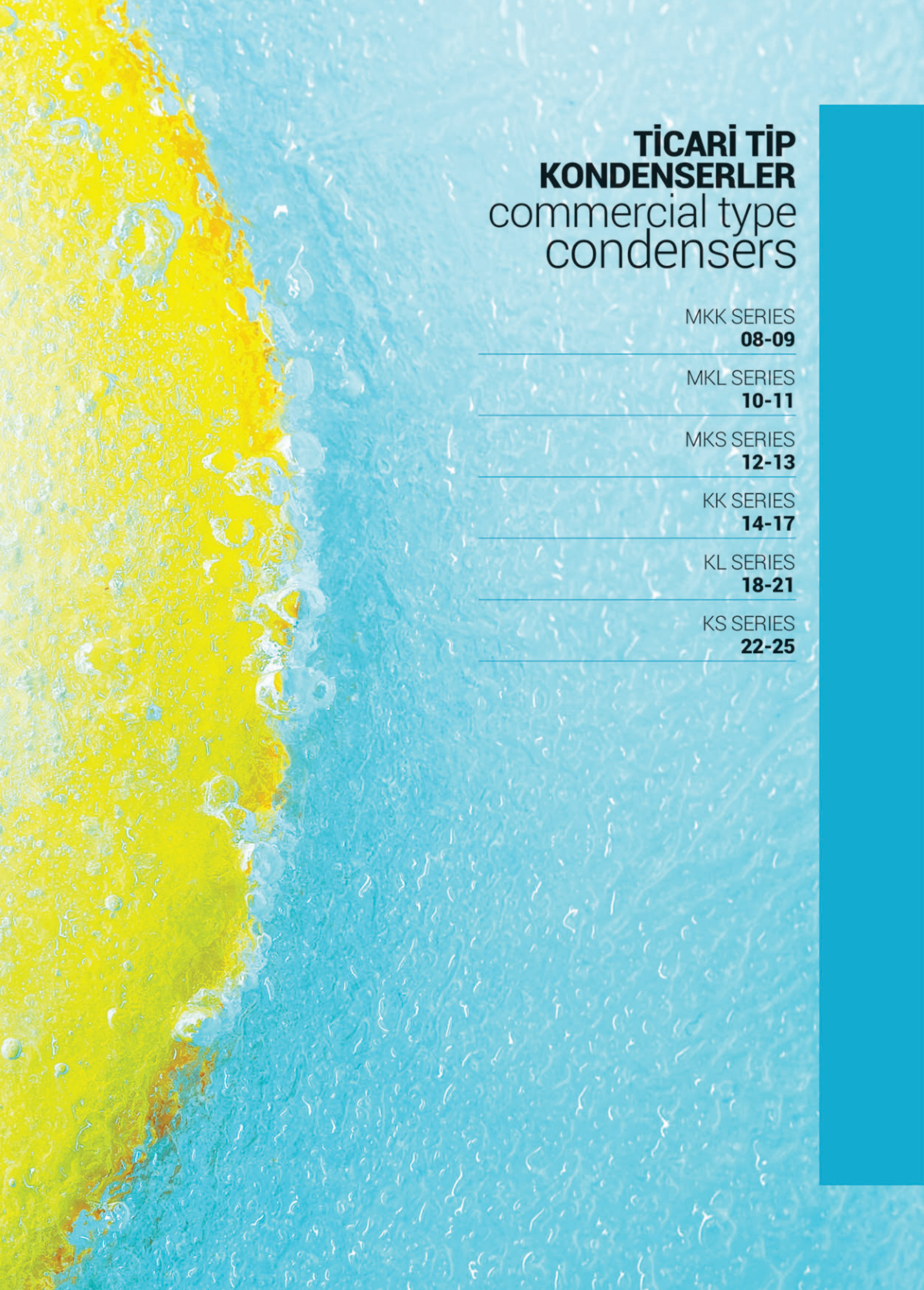
Regardless of the motion task that customers face anywhere in the world, they will always find a Buzcelik solution with the global experience and the appropriate know-how from industry and variety of technologies.

On this continuum Buzcelik will continue to provide value-added for the customers, employees, industry, society and the environment in the coming period and being a symbol of trust by making to plan over the long term and to undertake significant up-front investments in the safeguarding of its future. This is what makes Buzcelik a strong and reliable partner for the industry.



kalitenin
zamana
karşı
zaferi

the
triumph of
quality
against
time



TİCARİ TİP **KONDENSERLER** commercial type condensers

MKK SERIES
08-09

MKL SERIES
10-11

MKS SERIES
12-13

KK SERIES
14-17

KL SERIES
18-21

KS SERIES
22-25



Ticari Tip Kondenser

Commercial Type Air Cooled Condensers

BATARYA

- Ø5/16" ve Ø3/8" bakır boru.
- V-tipi alüminyum lamel.
- Giriş – çıkış kolektör malzemesi bakırdır.
- Standart ürünler için izin verilen en yüksek çalışma basıncı Ps=21 Bar.
- Şaşırtmalı boru dizilimi.
- Bataryalarda R404A, R407F, R507C, R22, R134A soğutucu gazlarla çalışmaya uygun tasarım.
- Opsiyonel olarak 1,8 mm ile 4mm aralığında farklı hatveler seçeneği.

Coil

- Ø5/16" & Ø3/8" copper tube.
- "V" type aluminum fins.
- Header inlet and outlet tube connections made of copper.
- maximum operating pressure 21 bar for standard products.
- Staggered copper tubes.
- The coil circuits are designed for refrigerants R404A, R407F, R507C, R22, R134A.
- Different fin spacing can be selected as an option for 1,8mm to 4mm.

KASETLEME

- Galvaniz çelik üzerine elektrostatik RAL 7035 boyalıdır.
- Galvanizli Çelik, Paslanmaz Çelik ve Alüminyum levha.
- Fan bölmeleri sac levhalar ile birbirinden ayrılmış ve duran fanların ters dönüş etkisi önlenmiştir.

Casing

- Electrostatic powder coated RAL 7035 galvanized steel.
- Galvanized Steel, Stainless Steel and Aluminum sheet.
- Each fan chamber is separated by internal baffle plates to prevent induced wind milling of off-cycle fans.

FAN

- Ø200-Ø250-Ø300-Ø350-Ø400-Ø450-Ø500 mm / 230V-50Hz- Monofaze / 900, 1200, 1400 d/d fanlar.
- Opsiyonel seçimler Buzçelik Teknik Uzmanı tarafından teyit edilmelidir.
- Standart veya düşük ses seviyeli bakım gerektirmeyen fan seçeneği.
- İsteğe bağlı AC ya da EC fan motor seçenekleri.
- Koruma sınıfı IP54, fan konstrüksiyonu izolasyon malzeme sınıfı F.
- Opsiyonel olarak seçilebilir fan aksesuar çeşitleri (FlowGrid gürültü düşürücüler vb.)
- Çalışma aralığı -40°C/+50°C'dir.

Fan

- Ø200-Ø250-Ø300-Ø350-Ø400-Ø450-Ø500 mm / 230V-50Hz- Monofaze / 900, 1200, 1400 d/d fans.
- Selections should be confirmed by your Buzçelik Technical Specialist.
- Standard or low noise level are available.
- Different kinds of motors available as optional. (EC or AC)
- Motor protection IP54 insulation class F.
- Different kinds of accessories available as optional. (FlowGrid etc.)
- Working conditions -40°C/+50°C.

KAPASİTE

- Nominal kapasiteler $\Delta T=15^{\circ}\text{C}$ koşulunda R404A gaza göre Eurovent EN 328 standartları dikkate alınarak verilmiştir.

Capacity

- The nominal capacities calculated according to Eurovent EN328 standards that refer to $\Delta T=15^{\circ}\text{C}$ condition and are valid for R404A.

SEÇENEKLER

- Farklı dış kabin rengi,
- Farklı boru et kalınlığı ve hatve,
- Monofaze 220V 1~ 50Hz, Trifaze 400V 3~ 50Hz fan seçeneği.
- Katalogda belirtilmeyen özel ürünler için lütfen satış departmanı ile irtibata geçin.

Options

- Different casing color.
- Other tube wall thicknesses and fin spacing on request.
- Mono phase 220V 1~ 50Hz fan or three phase 400V 3~ 50Hz fan.
- Please keep in touch with our sales department about your special needs that are not mentioned in the catalogue.

NOT

- Montaj, Bakım - Taşıma ve Kaldırma detayları için kullanım Kılavuzuna başvurunuz.

Note

- Please read "Installation, Operation and Maintenance Instructions" for mounting and maintenance.

AKSESUARLAR

- Alüminyum veya paslanmaz çelik kabin,
- Epoxy boya,

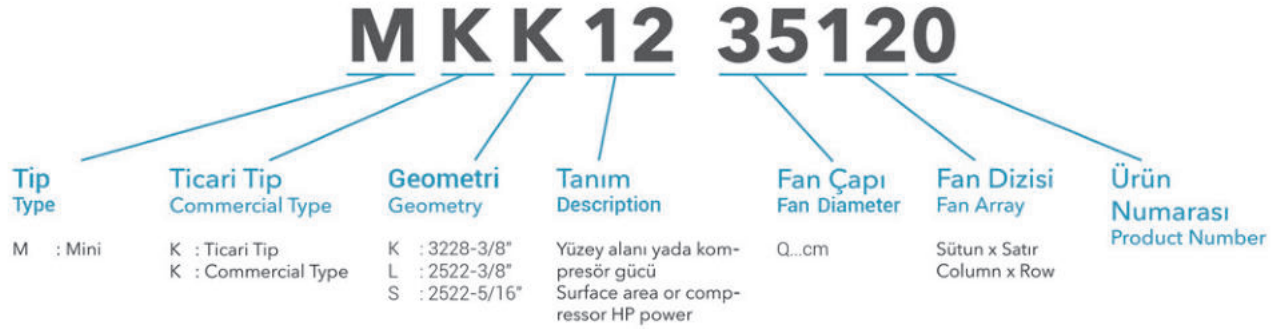
Accessories

- Casing made of aluminum or stainless steel.
- Epoxy resin coated aluminum fins.

Options As Listed Are Available On Request For Assistance Please Contact Buzçelik Branch



ADLANDIRMA CLASIFICATION



KAPASİTE STANDARTLARI CAPACITY STANDARDS

Akışkan : R404A
Hava Giriş Sıcaklığı (Tai) : 25°C
Kondenzasyon Sıcaklığı (Tc) : 40°C
 $\Delta T = T_c - T_{ai}$: 40°C - 25°C = 15°C
Rakım : 0m

KONDENSER SEÇİMİ

Nominal condenser kapasitesi aşağıdaki formüller vasıtası ile hesaplanabilir.

Formül 1

$$Q_{nk} = [(Q+N) \times f_2 \times f_3 \times f_5] / (f_4 \times f_6)$$

Q_{nk} : Nominal kondenser kapasitesi

Q : Kompresörün soğutma kapasitesi

N : Kompresör motorunun çektiği güç

Q ve N kompresör kataloglarından bulunabilir.

Detaylı bilginin olmadığı durumlarda Formül 2 uygulanır.

Formül 2

$$Q_{nk} = [Q \times f_1 \times f_2 \times f_3 \times f_5] / (f_4 \times f_6)$$

Refrigerant : R404A
Air Inlet Temperature (Tai) : 25°C
Condensation Temperature (Tc) : 40°C
 $\Delta T = T_c - T_{ai}$: 40°C - 25°C = 15°C
Altitude : 0m

KONDENSER SELECTION

Nominal condenser capacity can be calculated by using formulas below.

Formül 1

$$Q_{nk} = [(Q+N) \times f_2 \times f_3 \times f_5] / (f_4 \times f_6)$$

Q_{nk} : Nominal condenser capacity

Q : Refrigerating capacity of compressor

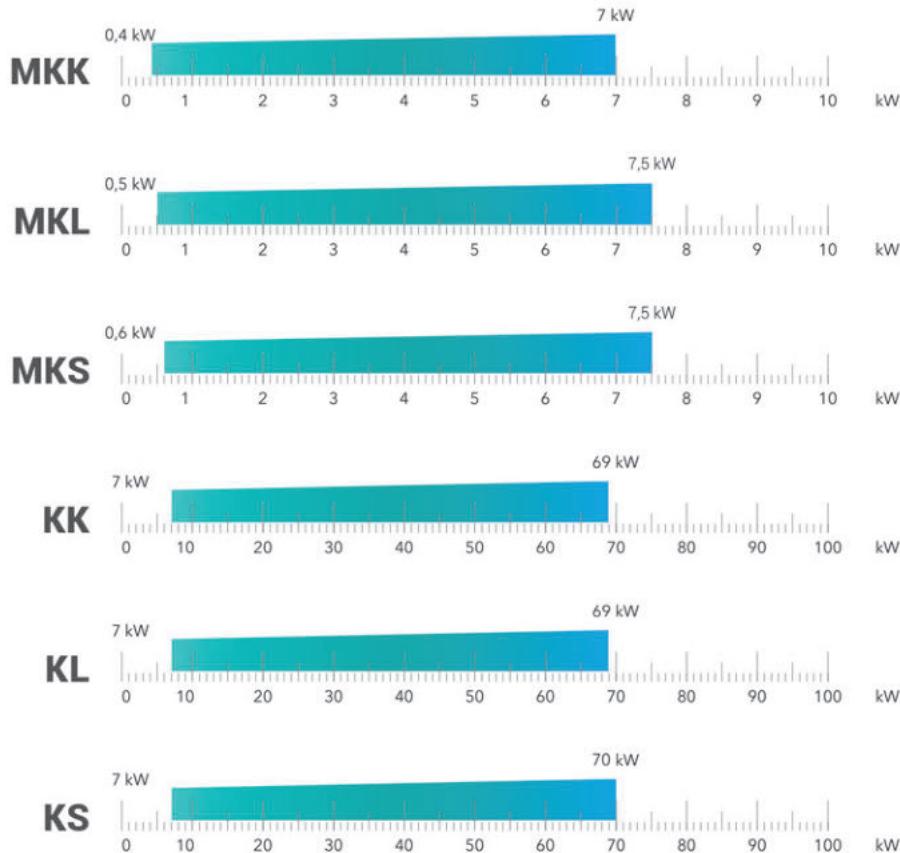
N : Absorbed compressor power

These data can be obtained from the compressor catalogues. If absorbed compressor power is unknown, please use Formula 2.

Formül 2

$$Q_{nk} = [Q \times f_1 \times f_2 \times f_3 \times f_5] / (f_4 \times f_6)$$

ÜRÜN KAPASİTE ARALIĞI CAPACITY RANGE



Ticari Tip Kondenser

Commercial Type Air Cooled Condensers

(f₁) FAKTÖRÜ / (f₁) FACTOR

Açık Kompresör / Open Compressor							
Evaporasyon Sıcaklığı Evaporation Temperature	Kondenzasyon Sıcaklığı / Condensation Temperature °C						
°C	30	35	40	45	50	55	60
-35	1,36	1,41	1,44	-	-	-	-
-30	1,31	1,36	1,40	1,44	-	-	-
-25	1,27	1,32	1,36	1,41	1,45	-	-
-20	1,24	1,28	1,31	1,35	1,39	1,44	-
-15	1,20	1,24	1,27	1,31	1,35	1,39	1,44
-10	1,18	1,21	1,24	1,27	1,31	1,35	1,40
-5	1,15	1,18	1,21	1,24	1,27	1,31	1,36
0	1,13	1,15	1,18	1,21	1,24	1,27	1,31
5	1,10	1,13	1,15	1,18	1,21	1,24	1,28
10	1,08	1,11	1,13	1,15	1,17	1,21	1,24

Hermetik ve Yarı Hermetik Kompresörler							
Hermetic and Semi-Hermetic Compressors							
Evaporasyon Sıcaklığı Evaporation Temperature	Kondenzasyon Sıcaklığı						
°C	Condensation Temperature °C						
	30	35	40	45	50	55	60
-40	1,64	1,69	1,76	1,86	2,03	-	-
-35	1,56	1,61	1,66	1,73	1,83	-	-
-30	1,48	1,53	1,57	1,62	1,69	-	-
-25	1,42	1,46	1,5	1,54	1,6	1,68	-
-20	1,37	1,4	1,44	1,48	1,53	1,6	-
-15	1,32	1,35	1,38	1,43	1,48	1,53	1,58
-10	1,28	1,31	1,34	1,37	1,42	1,46	1,52
-5	1,23	1,26	1,29	1,33	1,37	1,41	1,45
0	1,2	1,22	1,25	1,28	1,32	1,36	1,39
5	1,16	1,19	1,21	1,24	1,28	1,31	1,34
10	1,13	1,15	1,18	1,21	1,23	1,26	1,29

(f₂) FAKTÖRÜ / (f₂) Factor = 15/T1

(f₃) FAKTÖRÜ / (f₃) Factor

Hava Giriş Sıcaklığı Faktörü / Air Inlet Temperature Factor								
T(°C)	15	20	25	30	35	40	45	50
f ₃	0,97	0,98	1	1,02	1,04	1,06	1,08	1,1

(f₄) FAKTÖRÜ / (f₄) FACTOR

Soğutucu Akışkan Faktörü / Refrigerant Factor					
R	R134A	R22	R404A/R507	R407A	R407C
f ₄	0,93	0,96	1	0,83	0,87



(f₅) FAKTÖRÜ / (f₅) FACTOR

Rakım Faktörü / Altitude Factor							
H (m)	0	500	1000	1500	2000	2500	3000
f ₅	1	1,04	1,07	1,11	1,16	1,21	1,25

(f₆) FAKTÖRÜ / (f₆) FACTOR

Lamel Malzemesi	Alüminyum	Kaplı Alüminyum	Bakır
Fin Material	Aluminum	Coated Aluminum	Copper
f ₆	1	0,97	1,03

Tablo-4 Lamel Malzemesi için Düzeltme Faktörleri			
Table-4 Fin Material Correction Factors			
Lamel Malzemesi	Alüminyum	Kaplı Alüminyum	Bakır
Fin Material	Aluminum	Coated Aluminum	Copper
K ₃	1	0,97	1,03

KONDENSER ÜNİTESİ SEÇİMİ

Nominal kondenser kapasitesi aşağıdaki formüller vasıtası ile hesaplanabilir.

Formül 1

Q_{nk} = [(Q+N) x f₂ x f₃ x f₅] / (f₄ x f₆)
 Q_{nk} : Nominal kondenser kapasitesi
 Q : Kompresörün soğutma kapasitesi
 N : Kompresör motorunun çektiği güç
 Q ve N kompresör kataloglarından bulunabilir.
 Detaylı bilginin olmadığı durumlarda Formül 2 uygulanır.

Formül 2

Q_{nk} = [Q x f₁ x f₂ x f₃ x f₅] / (f₄ x f₆)

CONDENSING UNIT SELECTION

Nominal condenser capacity can be calculated by using formulas below.

Formula 1

Q_{nk} = [(Q+N) x f₂ x f₃ x f₅] / (f₄ x f₆)
 Q_{nk} : Nominal condenser capacity
 Q : Refrigerating capacity of compressor
 N : Absorbed compressor power
 These data can be obtained from the compressor catalogues. If absorbed compressor power is unknown, please use Formula 2.

Formula 2

Q_{nk} = [Q x f₁ x f₂ x f₃ x f₅] / (f₄ x f₆)

ÖRNEK SEÇİM / SELECTION EXAMPLE	
Kompresörün soğutma kapasitesi / Refrigerating Capacity of Compressor	: 11581.Watt/h
Kompresör Motorunun Çektiği Güç / Absorbed Compressor Power	: 4615.Watt/h
Kompresör Tipi / Compressor type	: Semi-Hermetic
Evaporasyon Sıcaklığı / Evaporation Temperature	: -10°C
Hava Giriş Sıcaklığı / Air Inlet Temperature	: +30°C
Kondenzasyon Sıcaklığı / Condensation Temperature	: +40°C
Rakım / Altitude	: 1000m
Soğutucu Akışkan / Refrigerant	: R404A
Lamel Malzemesi / Fin Material	: Aluminum
f ₂ =1,5 / f ₃ = 1,02 / f ₄ =1 / f ₅ =1,07 / f ₆ =1	: 26514.Watt/h
Seçilen Kondenser / Selected Condenser	: KK84 45212

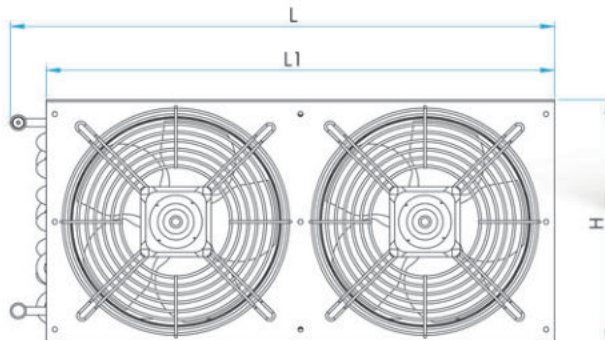
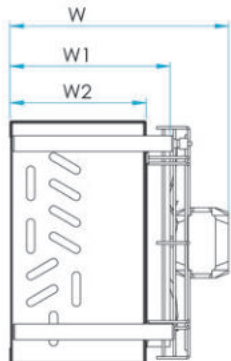
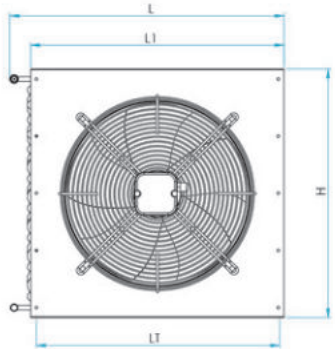
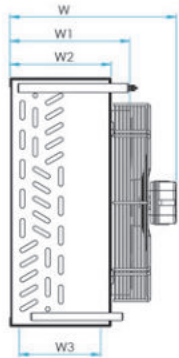
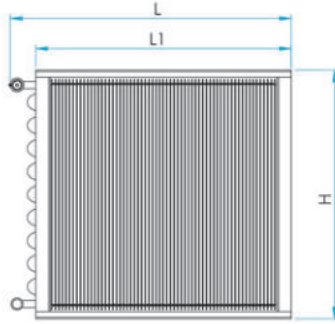
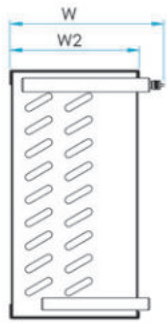
TEKNİK BİLGİLER

Technical Information

Bakır Boru / Copper Tube : 3/8"
Kalıp / Geometry : 32 mm x 28 mm

Belirtilen kapasiteler EBM, Ziehl - Abegg ve muadili fanlara göre hesaplanmıştır.

Capacities are calculated according to EBM or Ziehl-Abegg or equivalent brand fans.





Bakır Boru / Copper Tube

3/8"

Kalıp / Geometry

32 mm x 28 mm

Model Model	Yüzey Area	Boru Hacmi Tube Volume	Kapasite Capacity S	Kapasite Capacity L	Fanlar Fans			
					Adet Qty	Çap Diameter	Hava Debisi Air Flow S	Hava Debisi Air Flow L
	m ²	dm ³	W	W	(n)	mm	m ³ /h	m ³ /h
MKK 1/5	1,31	0,2	395	-	-	200	400	-
MKK 1/4	1,98	0,2	600	-		200	420	-
MKK 1/3	2,50	0,3	940	-		250	690	-
MKK 1/2	3,75	0,5	1.320	-		250	620	-
MKK 3/4	4,99	0,6	1.626	-		250	600	-
MKK 1HP	6,25	0,8	2.864	-		300	1.290	-
MKK 1/5 20110	1,31	0,2	395	-	1	200	400	-
MKK 1/4 20111	1,98	0,2	600	-		200	420	-
MKK 1/3 25112	2,50	0,3	940	-		250	690	-
MKK 1/2 25113	3,75	0,5	1.320	-		250	620	-
MKK 3/4 25114	4,99	0,6	1.626	-		250	600	-
MKK 5 30112	5,42	0,6	2.310	-		300	1.113	-
MKK 1HP 30115	6,25	0,8	2.587	-		300	1.290	-
MKK 7,5 30117	7,78	0,7	2.613	-		300	1.174	-
MKK 8,5 30118	8,45	0,9	2.874	-		300	1.114	-
MKK 10 30119	10,14	1,1	3.338	-		300	1.218	-
MKK 12 30120	11,92	1,4	5.030	-		350	2.080	-
MKK 14 35121	13,50	1,6	5.657	-		350	2.269	-
MKK 16 35122	15,26	1,6	5.900	-		350	2.217	-
MKK 1/3 20212	3,24	0,4	1.190	-		200	750	-
MKK 1/2 20213	4,79	0,5	1.570	-		200	720	-
MKK 3/4 20214	4,86	0,6	1.700	-		200	730	-
MKK 1HP 20215	6,48	0,7	2.040	-	2	200	700	-
MKK 7,5 25217	7,45	0,8	2.720	-		250	1.300	-
MKK 8,5 25218	8,45	0,8	2.890	-		250	1.250	-
MKK 10 25210	10,57	1,1	3.340	-		250	1.310	-
MKK 12 25212	11,44	1,2	3.530	-		250	1.350	-
MKK 14 30214	13,73	1,5	3.415	-		300	3.180	-
MKK 16 30216	15,83	2,0	6.962	-		300	2.990	-

Model Model	Boyutlar Dimensions						Bağlantılar Connections	
	L	H	W	L ₁	W ₁	W ₂	Giriş Input	Çıkış Output
	cm	cm	cm	cm	cm	cm	mm"	mm"
MKK 1/5	29	23	13	26	--	11,5	3/8	3/8
MKK 1/4	32	30	13	29	--	11,5	3/8	3/8
MKK 1/3	38	30	13	35,5	--	12,5	3/8	3/8
MKK 1/2	38	30	14	35,5	--	12,5	3/8	3/8
MKK 3/4	38	30	18	35,5	--	16,5	3/8	3/8
MKK 1HP	38	35	19,5	35,5	--	18	3/8	3/8
MKK 1/5 20110	29	23	22	26	15	11,5	3/8	3/8
MKK 1/4 20111	32	30	22	29	15	11,5	3/8	3/8
MKK 1/3 25112	38	30	22	35,5	15	12,5	3/8	3/8
MKK 1/2 25113	38	30	23	35,5	16	12,5	3/8	3/8
MKK 3/4 25114	38	30	27	35,5	20	16,5	3/8	3/8
MKK 5 30112	38	35	27	35,5	20	16,5	3/8	3/8
MKK 1HP 30115	38	35	30	35,5	21,5	18	3/8	3/8
MKK 7,5 30117	48	35	27	42	20	16,5	5/8	5/8
MKK 8,5 30118	48	35	30	42	21,5	18	5/8	5/8
MKK 10 30119	47	41	31	41	23	19	19	5/8
MKK 12 30120	57	41	31	51	23	19	19	5/8
MKK 14 35121	57	47	33	51	23	19	19	5/8
MKK 16 35122	57	47	33	51	23	19	19	5/8
MKK 1/3 20212	57	23	22	54	15	12,5	3/8	3/8
MKK 1/2 20213	57	23	23	54	16	12,5	3/8	3/8
MKK 3/4 20214	57	23	23	54	16	12,5	3/8	3/8
MKK 1HP 20215	57	23	27	54	20	16,5	3/8	3/8
MKK 7,5 25217	67	30	27	61,5	20	16,5	5/8	5/8
MKK 8,5 25218	67	30	27	61,5	20	16,5	5/8	5/8
MKK 10 25210	67	35	27	61,5	20	16,5	19	5/8
MKK 12 25212	76	35	27	70,5	20	16,5	19	5/8
MKK 14 30214	77	41	27	71,5	20	16,5	19	5/8
MKK 16 30216	77	41	31	71,5	22,5	19	22	19

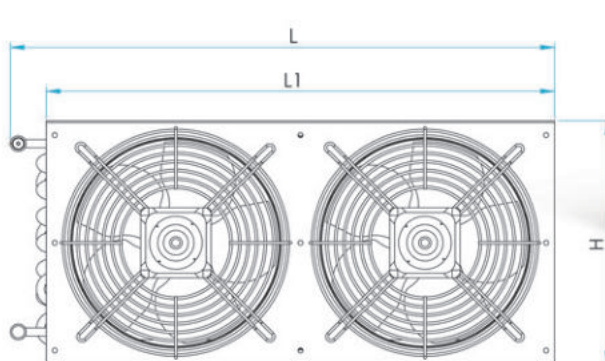
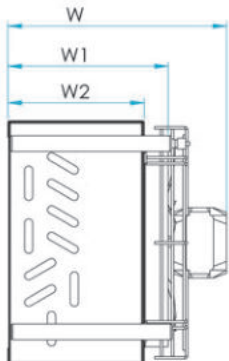
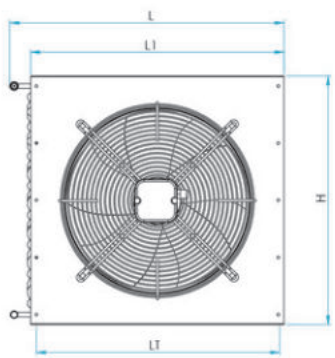
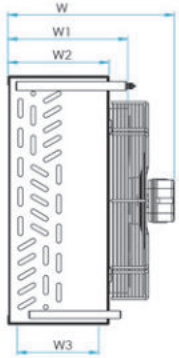
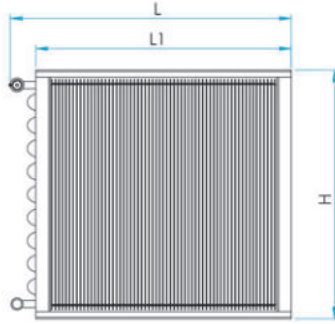
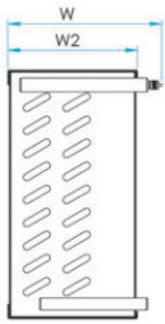
TEKNİK BİLGİLER

Technical Information

Bakır Boru / Copper Tube : 3/8"
Kalıp / Geometry : 25 mm x 22 mm

Belirtilen kapasiteler EBM, Ziehl - Abegg ve muadili fanlara göre hesaplanmıştır.

Capacities are calculated according to EBM or Ziehl-Abegg or equivalent brand fans.





Bakır Boru / Copper Tube

3/8"

Kalıp / Geometry

25 mm x 22 mm

Model Model	Yüzey Area	Boru Hacmi Tube Volume	Kapasite Capacity S	Kapasite Capacity L	Fanlar Fans			
					Adet Qty	Çap Diameter	Hava Debisi Air Flow S	Hava Debisi Air Flow L
	m ²	dm ³	W	W	(n)	mm	m ³ /h	m ³ /h
MKL 1/5	1,25	0,2	524	-	-	200	380	-
MKL 1/4	1,60	0,3	647	-		200	400	-
MKL 1/3	2,45	0,4	1.171	-		250	670	-
MKL 1/2	3,68	0,6	1.554	-		250	610	-
MKL 3/4	4,91	0,8	1.838	-		250	590	-
MKL 1HP	5,80	1,0	3.154	-		300	1.230	-
MKL 1/5 20110	1,24	0,2	524	-	1	200	380	-
MKL 1/4 20111	1,60	0,3	647	-		200	400	-
MKL 1/3 25112	2,45	0,4	1.171	-		250	670	-
MKL 1/2 25113	3,68	0,6	1.554	-		250	610	-
MKL 3/4 25114	4,91	0,8	1.838	-		250	590	-
MKL 1HP 30115	5,80	1,0	2.608	-		300	906	-
MKL 7,5 30117	7,47	1,2	3.300	-	2	300	1.021	-
MKL 8,5 30118	8,66	1,2	3.450	-		300	982	-
MKL 1/3 20212	2,59	0,5	1.274	-		200	750	-
MKL 1/2 20213	3,79	0,6	1.633	-		200	720	-
MKL 3/4 20214	3,88	0,7	1.748	-		200	720	-
MKL 1HP 20215	5,18	1,0	2.085	-		200	700	-
MKL 7,5 25217	7,43	1,2	3.315	-	2	250	1.300	-
MKL 8,5 25218	8,67	1,2	3.485	-		250	1.250	-
MKL 10 25210	10,25	1,4	3.810	-		250	1.300	-
MKL 12 25212	11,85	1,7	4.100	-		250	1.320	-
MKL 14 30214	14,03	2,1	6.890	-		300	2.400	-
MKL 16 30216	16,19	2,4	7.500	-		300	2.570	-

Model Model	Boyutlar Dimensions						Bağlantılar Connections	
	L	H	W	L ₁	W ₁	W ₂	Giriş Input	Çıkış Output
	cm	cm	cm	cm	cm	cm	mm/"	mm/"
MKL 1/5	29	23	13	26	--	11,5	3/8	3/8
MKL 1/4	32	23	13	29	--	11,5	3/8	3/8
MKL 1/3	38	30	13	35,5	--	12,5	3/8	3/8
MKL 1/2	38	30	14	35,5	--	12,5	3/8	3/8
MKL 3/4	38	30	18	35,5	--	16,5	3/8	3/8
MKL 1HP	38	35	19,5	35,5	--	18	5/8	5/8
MKL 1/5 20110	29	23	22	26	15	11,5	3/8	3/8
MKL 1/4 20111	32	23	22	29	15	11,5	3/8	3/8
MKL 1/3 25112	38	30	22	35,5	15	12,5	3/8	3/8
MKL 1/2 25113	38	30	23	35,5	16	12,5	3/8	3/8
MKL 3/4 25114	38	30	27	35,5	20	16,5	3/8	3/8
MKL 1HP 30115	38	35	28,5	35,5	21,5	18	5/8	5/8
MKL 7,5 30117	48	35	27	42	20	16,5	5/8	5/8
MKL 8,5 30118	48	35	27	42	21,5	18	5/8	5/8
MKL 1/3 20212	57	23	22	54	15	12,5	3/8	3/8
MKL 1/2 20213	57	23	23	54	16	12,5	3/8	3/8
MKL 3/4 20214	57	23	23	54	16	12,5	3/8	3/8
MKL 1HP 20215	57	23	27	54	20	16,5	3/8	3/8
MKL 7,5 25217	67	30	27	61,5	20	16,5	5/8	5/8
MKL 8,5 25218	67	30	27	61,5	20	16,5	5/8	5/8
MKL 10 25210	67	35	27	61,5	20	16,5	19	5/8
MKL 12 25212	76	35	27	70,5	20	16,5	19	5/8
MKL 14 30214	77	35	27	71,5	20	16,5	19	5/8
MKL 16 30216	77	41	29,5	71,5	22,5	19	22	19

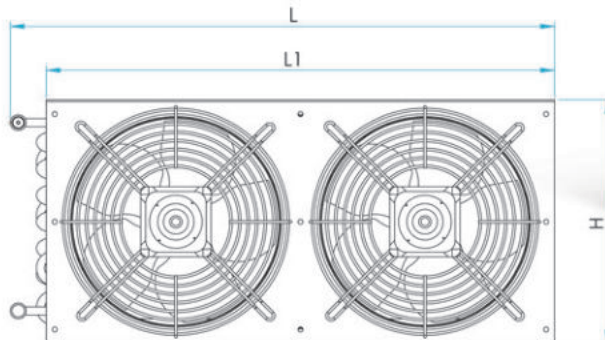
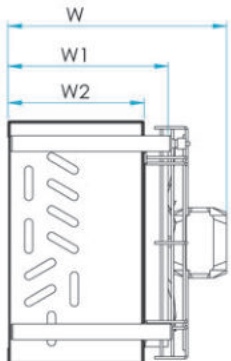
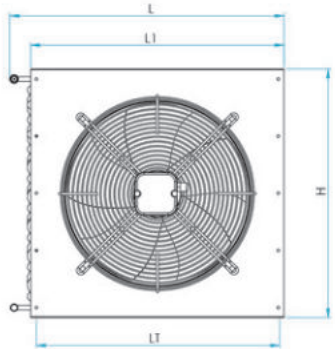
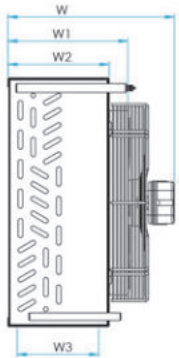
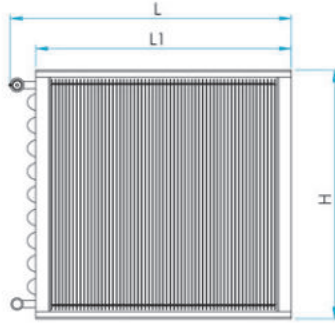
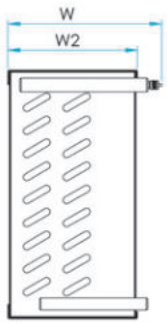
TEKNİK BİLGİLER

Technical Information

Bakır Boru / Copper Tube : 5/16"
Kalıp / Geometry : 25 mm x 22 mm

Belirtilen kapasiteler EBM, Ziehl - Abegg ve muadili fanlara göre hesaplanmıştır.

Capacities are calculated according to EBM or Ziehl-Abegg or equivalent brand fans.





Bakır Boru / Copper Tube

5/16"

Kalıp / Geometry

25 mm x 22 mm

Model Model	Yüzey Area	Boru Hacmi Tube Volume	Kapasite Capacity S	Kapasite Capacity L	Fanlar Fans			
					Adet Qty	Çap Diameter	Hava Debisi Air Flow S	Hava Debisi Air Flow L
	m ²	dm ³	W		(n)	mm	m ³ /h	m ³ /h
MKS 1/5	1,47	0,1	547	-		200	380	-
MKS 1/4	1,88	0,2	667	-		200	400	-
MKS 1/3	2,90	0,3	1.154	-		250	680	-
MKS 1/2	4,35	0,4	1.545	-		250	620	-
MKS 3/4	6,27	0,6	1.861	-		250	590	-
MKS 1HP	6,37	0,7	3.052	-	1	300	1.230	-
MKS 1/5 20110	1,47	0,1	547	-		200	380	-
MKS 1/4 20111	1,88	0,2	667	-		200	400	-
MKS 1/3 25112	2,90	0,3	1.154	-		250	670	-
MKS 1/2 25113	4,35	0,4	1.545	-		250	610	-
MKS 3/4 25114	6,27	0,6	1.861	-		250	590	-
MKS 1HP 30115	6,37	0,7	3.052	-		300	1.230	-
MKS 9 30117	8,94	0,8	3.620	-		300	1.300	-
MKS 10 30118	10,00	0,9	3.720	-		300	1.250	-
MKS 1/3 20212	3,11	0,3	1.287	-	2	200	750	-
MKS 1/2 20213	4,67	0,5	1.709	-		200	720	-
MKS 3/4 20214	5,43	0,5	1.892	-		200	720	-
MKS 1HP 20215	6,96	0,7	2.132	-		200	700	-
MKS 9 25217	8,94	0,8	3.325	-		250	1.300	-
MKS 10 25218	10,23	0,8	3.592	-		250	1.250	-
MKS 12 25210	12,50	1,1	3.890	-		250	1.300	-
MKS 14 25212	14,40	1,4	4.137	-		250	1.320	-
MKS 16 30214	16,69	1,5	6.734	-		300	2.400	-
MKS 18 30216	18,49	1,9	7.572	-		300	2.570	-

Model Model	Boyutlar Dimensions										Bağlantılar Connections	
	L	H	W	LT	LC	LU	L ₁	W ₁	W ₂	W ₃	Giriş Input	Çıkış Output
	cm	cm	cm				cm	cm	cm		mm/"	mm/"
MKS 1/5	29	23	13	-	-	-	26	--	11,5	-	5/16	5/16
MKS 1/4	32	23	13	-	-	-	29	--	11,5	-	5/16	5/16
MKS 1/3	38	30	13	-	-	-	35,5	--	12,5	-	5/16	5/16
MKS 1/2	38	30	14	-	-	-	35,5	--	12,5	-	5/16	5/16
MKS 3/4	38	30	18	-	-	-	35,5	--	16,5	-	5/8	5/8
MKS 1HP	38	35	19,5	-	-	-	35,5	--	18	-	5/8	5/8
MKS 1/5 20110	29	23	22	-	-	-	26	15	11,5	-	5/16	5/16
MKS 1/4 20111	32	23	22	-	-	-	29	15	11,5	-	5/16	5/16
MKS 1/3 25112	38	30	22	-	-	-	35,5	15	12,5	-	5/16	5/16
MKS 1/2 25113	38	30	23	-	-	-	35,5	16	12,5	-	5/16	5/16
MKS 3/4 25114	38	30	27	-	-	-	35,5	20	16,5	-	5/8	5/8
MKS 1HP 30115	38	35	28,5	-	-	-	35,5	21,5	18	-	5/8	5/8
MKS 9 30117	48	35	27	-	-	-	42	20	16,5	-	5/8	5/8
MKS 10 30118	48	35	27	-	-	-	42	20	16,5	-	5/8	5/8
MKS 1/3 20212	57	23	22	-	-	-	54	15	12,5	-	5/16	5/16
MKS 1/2 20213	57	23	23	-	-	-	54	16	12,5	-	5/16	5/16
MKS 3/4 20214	57	23	23	-	-	-	54	16	12,5	-	5/16	5/16
MKS 1HP 20215	57	23	27	-	-	-	54	20	16,5	-	5/8	5/8
MKS 9 25217	67	30	27	-	-	-	61,5	20	16,5	-	5/8	5/8
MKS 10 25218	67	30	27	-	-	-	61,5	20	16,5	-	5/8	5/8
MKS 12 25210	67	35	27	-	-	-	61,5	20	16,5	-	5/8	5/8
MKS 14 25212	76	35	27	-	-	-	70,5	20	16,5	-	19	16
MKS 16 30214	77	35	27	-	-	-	71,5	20	16,5	-	19	16
MKS 18 30216	77	41	28,5	-	-	-	71,5	22,5	19	-	22	19

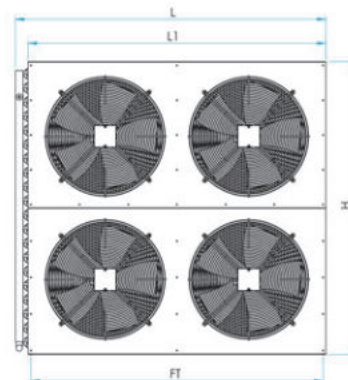
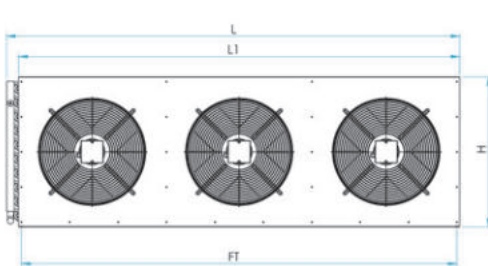
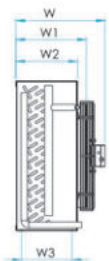
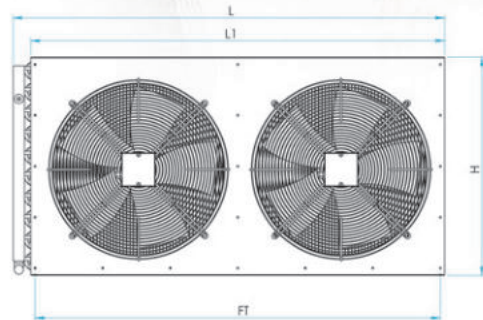
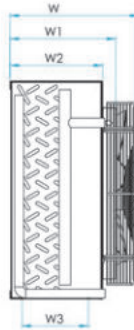
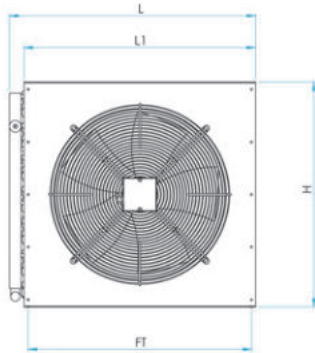
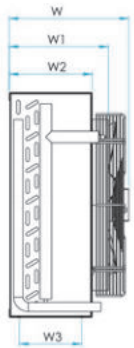
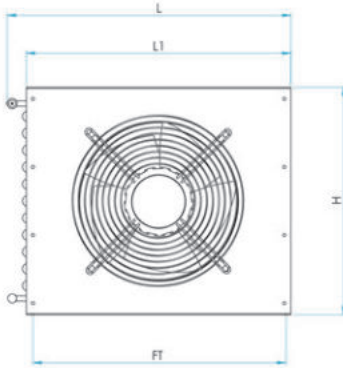
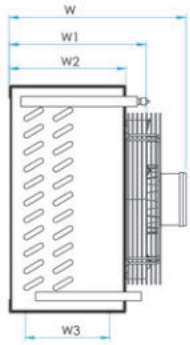
TEKNİK BİLGİLER

Technical Information

Bakır Boru / Copper Tube : 3/8"
Kalıp / Geometry : 32 mm x 28 mm

Belirtilen kapasiteler EBM, Ziehl - Abegg ve muadili fanlara göre hesaplanmıştır.

Capacities are calculated according to EBM or Ziehl-Abegg or equivalent brand fans.





Bakır Boru / Copper Tube

3/8"

Kalıp / Geometry

32 mm x 28 mm

Model Model	Yüzey Area	Boru Hacmi Tube Volume	Kapasite Capacity $\Delta t = T_c - T_a = 15^\circ C$		Fanlar Fans			
			S 1/ 230V AC 50Hz 1400 rpm	L 1/ 230V AC 50Hz 900 rpm	Adet Qty	Çap Diameter	S Hava Debisi Air Flow 1400 rpm	L Hava Debisi Air Flow 900 rpm
			W	W			m³/h	m³/h
KK18 35111	18,01	1,6	6.575	4.956	1 	350	2.625	1.702
KK20 35112	19,37	2,1	7.089	5.378		350	2.430	1.635
KK24 35112	24,02	2,2	7.683	5.612		350	2.468	1.584
KK30 35113	30,02	2,7	8.221	5.800		350	2.333	1.479
KK18 40111	18,01	1,6	7.398	5.993		400	3.186	2.267
KK20 40112	19,37	2,1	7.653	6.081		400	2.987	2.106
KK24 40112	24,02	2,2	8.652	6.837		400	2.955	2.082
KK30 40113	30,02	2,7	9.316	7.048		400	2.778	1.898
KK27 40111	26,61	2,4	9.079	7.361		400	3.574	2.599
KK35 40112	35,48	3,2	10.759	8.523		400	3.407	2.460
KK44 40113	44,35	4,0	11.754	9.091		400	3.255	2.323
KK27 45111	26,61	2,4	10.495	9.051		450	4.523	3.560
KK31 45111	31,46	2,4	11.403	9.719		450	4.429	3.455
KK35 45112	35,48	3,2	12.498	10.438		450	4.256	3.261
KK42 45112	41,94	3,2	13.294	10.960		450	4.149	3.156
KK44 45113	44,35	4,0	13.706	11.186		450	4.034	3.044
KK27 50111	26,61	2,4	13.167	9.844		500	6.709	4.071
KK31 50111	31,46	2,4	14.325	10.558		500	6.487	3.922
KK35 50112	35,48	3,2	15.422	11.142		500	6.114	3.689
KK42 50112	41,94	3,2	16.436	-		500	5.872	-
KK44 50113	44,35	4,0	17.035	-		500	5.610	-

Model Model	Boyutlar Dimensions										Bağlantılar Connections	
	L	H	W	L _T	L _C	L _U	L ₁	W ₁	W ₂	W ₃	Giriş Input	Çıkış Output
	cm	cm	cm	cm	cm	cm	cm	cm	cm	cm	mm	mm
KK18 35111	67	54	35	57,5	--	--	60	26	22	13,5	22	19
KK20 35112	62	54	35	55,5	--	--	55	26	22	16,5	22	19
KK24 35112	67	54	35	57,5	--	--	60	26	22	13,5	22	19
KK30 35113	67	54	43	57,5	--	--	60	29	25	16,5	22	19
KK18 40111	67	54	35	57,5	--	--	60	26	22	13,5	22	19
KK20 40112	62	54	35	55,5	--	--	55	26	22	16,5	22	19
KK24 40112	67	54	35	57,5	--	--	60	26	22	13,5	22	19
KK30 40113	67	54	43	57,5	--	--	60	29	25	16,5	22	19
KK27 40111	79	68	35	67,5	--	--	70	26	22	13,5	22	19
KK35 40112	79	68	35	67,5	--	--	70	26	22	13,5	22	19
KK44 40113	79	68	43	67,5	--	--	70	29	25	16,5	22	19
KK27 45111	79	68	35	67,5	--	--	70	29	25	16,5	22	19
KK31 45111	79	68	35	67,5	--	--	70	29	25	16,5	22	19
KK35 45112	79	68	35	67,5	--	--	70	29	25	16,5	22	19
KK42 45112	79	68	35	67,5	--	--	70	29	25	16,5	22	19
KK44 45113	79	68	43	67,5	--	--	70	32	28	19,5	22	19
KK27 50111	79	68	35	67,5	--	--	70	29	25	16,5	22	19
KK31 50111	79	68	35	67,5	--	--	70	29	25	16,5	22	19
KK35 50112	79	68	35	67,5	--	--	70	29	25	16,5	22	19
KK42 50112	79	68	41	67,5	--	--	70	29	25	16,5	22	19
KK44 50113	79	68	41	67,5	--	--	70	32	28	19,5	22	19



KK SERİSİ KK SERIES

Bakır Boru / Copper Tube

3/8"

Kalıp / Geometry

32 mm x 28 mm

Model Model	Yüzey Area	Boru Hacmi Tube Volume	Kapasite Capacity $\Delta T = T_c - T_a = 15^\circ C$		Fanlar Fans			
			S 1/ 230V AC 50Hz 1400 rpm	L 1/ 230V AC 50Hz 900 rpm	Adet Qty	Çap Diameter	S Hava Debisi Air Flow 1400 rpm	L Hava Debisi Air Flow 900 rpm
			W	W			m³/h	m³/h
KK22 30211	22,11	2,0	7.138	6.224		300	2.708	2.200
KK30 30212	29,48	2,6	8.254	6.826		300	2.522	1.940
KK37 30213	36,84	3,4	8.830	-		300	2.368	-
KK36 35211	36,02	3,2	13.150	9.912		350	5.250	3.404
KK48 35212	48,04	4,4	15.366	11.224		350	4.936	3.168
KK60 35213	60,04	5,4	16.442	11.600		350	4.666	2.958
KK36 40211	36,02	3,2	14.796	11.986		400	6.372	4.534
KK43 40211	42,59	3,2	14.837	12.014		400	6.366	4.534
KK48 40212	48,04	4,4	17.304	13.674		400	5.910	4.164
KK57 40212	56,79	4,4	18.853	14.737		400	5.910	4.164
KK60 40213	60,04	5,4	18.632	14.096		400	5.556	3.796
KK53 40211	53,22	4,8	18.158	14.722		400	7.148	5.198
KK71 40212	70,96	6,4	21.518	17.046		400	6.814	4.920
KK89 40213	88,70	8,0	23.508	18.182		400	6.510	4.646
KK53 45211	53,22	4,8	20.990	18.102		450	9.046	7.120
KK63 45211	62,92	4,8	22.806	19.438		450	8.858	6.910
KK71 45212	70,96	6,4	24.996	20.876		450	8.512	6.522
KK84 45212	83,88	6,4	26.588	21.920		450	8.298	6.312
KK89 45213	88,70	8,0	27.412	22.372		450	8.068	6.088
KK53 50211	53,22	4,8	26.334	19.688		500	13.418	8.142
KK63 50211	62,92	4,8	28.650	21.116		500	12.974	7.844
KK71 50212	70,96	6,4	30.844	22.284		500	12.228	7.378
KK84 50212	83,88	6,4	32.872	-		500	11.744	-
KK89 50213	88,70	8,0	34.070	-		500	11.220	-

Model Model	Boyutlar Dimensions										Bağlantılar Connections	
	L	H	W	L _T	L _C	L _U	L ₁	W ₁	W ₂	W ₃	Giriş Input	Çıkış Output
	cm	cm	cm	cm	cm	cm	cm	cm	cm	cm	mm	mm
KK22 30211	102	43	35	--	92,5	--	95	26	22	13,5	22	19
KK30 30212	102	43	35	--	92,5	--	95	26	22	13,5	22	19
KK37 30213	102	43	39	--	92,5	--	95	29	25	16,5	22	19
KK36 35211	122	54	35	--	112,5	--	115	26	22	13,5	22	19
KK48 35212	122	54	35	--	112,5	--	115	26	22	13,5	28	22
KK60 35213	122	54	39	--	112,5	--	115	29	25	16,5	28	22
KK36 40211	122	54	35	--	112,5	--	115	26	22	13,5	22	19
KK43 40211	122	54	35	--	112,5	--	115	26	22	13,5	22	19
KK48 40212	122	54	35	--	112,5	--	115	26	22	13,5	28	22
KK57 40212	122	54	35	--	112,5	--	115	26	22	13,5	28	22
KK60 40213	122	54	39	--	112,5	--	115	29	25	16,5	28	22
KK53 40211	144	68	35	--	132,5	--	135	26	22	13,5	28	22
KK71 40212	144	68	35	--	132,5	--	135	26	22	13,5	28	22
KK89 40213	144	68	39	--	132,5	--	135	29	25	16,5	28	22
KK53 45211	144	68	39	--	132,5	--	135	29	25	16,5	28	22
KK63 45211	144	68	39	--	132,5	--	135	29	25	16,5	28	22
KK71 45212	144	68	39	--	132,5	--	135	29	25	16,5	28	22
KK84 45212	144	68	39	--	132,5	--	135	29	25	19,5	28	22
KK89 45213	144	68	41	--	132,5	--	135	32	28	19,5	28	22
KK53 50211	144	68	39	--	132,5	--	135	29	25	16,5	28	22
KK63 50211	144	68	39	--	132,5	--	135	29	25	16,5	28	22
KK71 50212	144	68	39	--	132,5	--	135	29	25	16,5	28	22
KK84 50212	144	68	39	--	132,5	--	135	29	25	16,5	28	22
KK89 50213	144	68	41	--	132,5	--	135	32	28	19,5	28	22



Bakır Boru / Copper Tube

3/8"

Kalıp / Geometry

32 mm x 28 mm

Model Model	Yüzey Area	Boru Hacmi Tube Volume	Kapasite Capacity $\Delta t = T_c - T_a = 15^\circ\text{C}$		Fanlar Fans			
			S 1/ 230V AC 50Hz 1400 rpm	L 1/ 230V AC 50Hz 900 rpm	Adet Qty	Çap Diameter	S Hava Debisi Air Flow 1400 rpm	L Hava Debisi Air Flow 900 rpm
			W	W			m³/h	m³/h
KK80 40311	79,83	7,2	22.194	17.979	3	400	9.558	6.801
KK106 40312	106,45	9,6	25.956	20.511		400	8.865	6.246
KK133 40313	133,06	12,0	27.948	21.144		400	8.334	5.694
KK80 45311	79,83	7,2	31.485	27.153		450	13.569	10.680
KK94 45311	94,38	7,2	34.209	29.157		450	13.287	10.365
KK106 45312	106,45	9,6	37.494	31.314		450	12.768	9.783
KK126 45312	125,82	9,6	39.882	32.880		450	12.447	9.468
KK133 45313	133,06	12,0	41.118	33.558		450	12.102	9.132
KK80 50311	79,83	7,2	39.501	29.532		500	20.127	12.213
KK94 50311	94,38	7,2	42.975	31.674		500	19.461	11.766
KK106 50312	106,45	9,6	46.266	33.426		500	18.342	11.067
KK126 50312	125,82	9,6	49.308	-		500	17.616	-
KK133 50313	133,06	12,0	51.105	-		500	16.830	-
KK106 40221	106,45	9,5	29.592	23.972	4	400	12.744	9.068
KK142 40222	141,93	12,8	34.608	27.348		400	11.820	8.328
KK177 40223	177,41	16,0	37.264	28.192		400	11.112	7.592
KK106 45221	106,45	9,5	41.980	36.204		450	18.092	14.240
KK126 45221	125,84	9,5	45.612	38.876		450	17.716	13.820
KK142 45222	141,93	12,8	49.992	41.752		450	17.024	13.044
KK168 45222	167,76	12,8	53.176	43.840		450	16.596	12.624
KK177 45223	177,41	16,0	54.824	44.744		450	16.136	12.176
KK106 50221	106,45	9,5	52.668	39.376		500	26.836	16.284
KK126 50221	125,84	9,5	57.300	42.232		500	25.948	15.688
KK142 50222	141,93	12,8	61.688	44.568		500	24.456	14.756
KK168 50222	167,76	12,8	65.744	-		500	23.488	-
KK177 50223	177,41	16,0	68.140	-		500	22.440	-

Model Model	Boyutlar Dimensions										Bağlantılar Connections	
	L	H	W	L _T	L _C	L _U	L ₁	W ₁	W ₂	W ₃	Giriş Input	Çıkış Output
	cm	cm	cm	cm	cm	cm	cm	cm	cm	cm	mm	mm
KK80 40311	209	68	35	--	--	197,5	200	26	22	13,5	28	22
KK106 40312	209	68	35	--	--	197,5	200	26	22	13,5	28	22
KK133 40313	209	68	39	--	--	197,5	200	29	25	16,5	35	28
KK80 45311	209	68	39	--	--	197,5	200	29	25	16,5	28	22
KK94 45311	209	68	39	--	--	197,5	200	29	25	16,5	28	22
KK106 45312	209	68	39	--	--	197,5	200	29	25	16,5	28	22
KK126 45312	209	68	39	--	--	197,5	200	29	25	16,5	35	28
KK133 45313	209	68	41	--	--	197,5	200	32	28	19,5	35	28
KK80 50311	209	68	39	--	--	197,5	200	29	25	16,5	28	22
KK94 50311	209	68	39	--	--	197,5	200	29	25	16,5	28	22
KK106 50312	209	68	39	--	--	197,5	200	29	25	16,5	28	22
KK126 50312	209	68	39	--	--	197,5	200	29	25	16,5	35	28
KK133 50313	209	68	41	--	--	197,5	200	32	28	19,5	35	28
KK106 40221	142	133	35	--	132,5	--	135	26	22	13,5	35	28
KK142 40222	142	133	35	--	132,5	--	135	26	22	13,5	35	28
KK177 40223	142	133	39	--	132,5	--	135	29	25	16,5	42	35
KK106 45221	142	133	39	--	132,5	--	135	29	25	16,5	35	28
KK126 45221	142	133	39	--	132,5	--	135	29	25	16,5	35	28
KK142 45222	142	133	39	--	132,5	--	135	29	25	16,5	35	28
KK168 45222	142	133	39	--	132,5	--	135	29	25	16,5	42	35
KK177 45223	142	133	41	--	132,5	--	135	32	28	19,5	42	35
KK106 50221	142	133	39	--	132,5	--	135	29	25	16,5	35	28
KK126 50221	142	133	39	--	132,5	--	135	29	25	16,5	35	28
KK142 50222	142	133	39	--	132,5	--	135	29	25	16,5	35	28
KK168 50222	142	133	39	--	132,5	--	135	29	25	16,5	42	35
KK177 50223	142	133	41	--	132,5	--	135	32	28	19,5	42	35

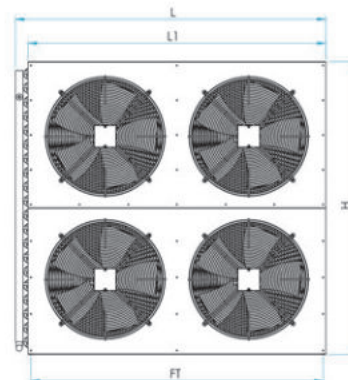
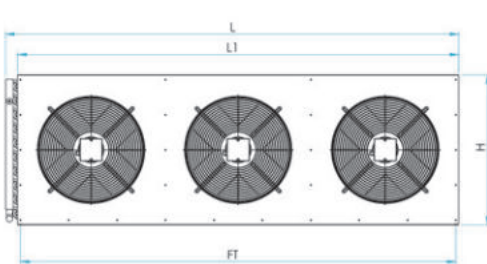
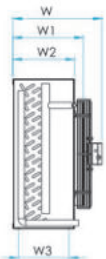
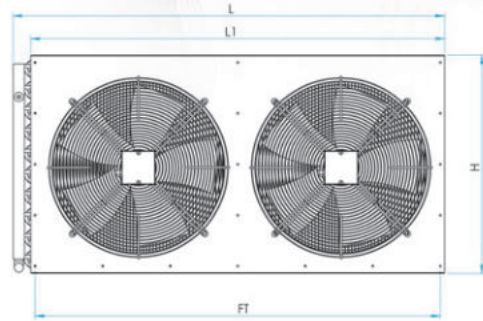
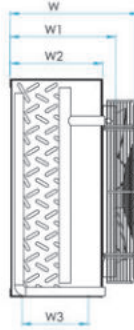
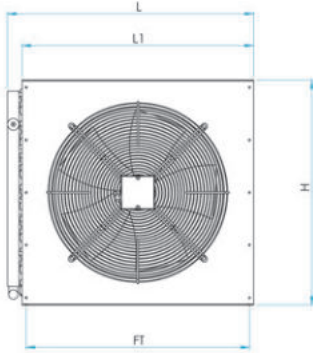
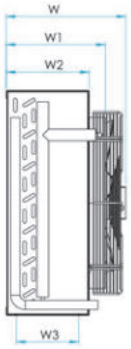
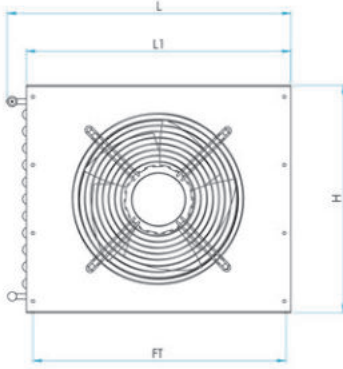
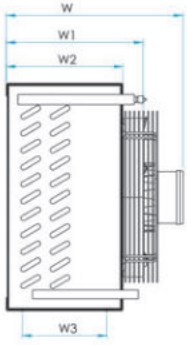
TEKNİK BİLGİLER

Technical Information

Bakır Boru / Copper Tube : 3/8"
Kalıp / Geometry : 25 mm x 22 mm

Belirtilen kapasiteler EBM, Ziehl - Abegg ve muadili fanlara göre hesaplanmıştır.

Capacities are calculated according to EBM or Ziehl-Abegg or equivalent brand fans.





Bakır Boru / Copper Tube

3/8"

Kalıp / Geometry

25 mm x 22 mm

Model Model	Yüzey Area	Boru Hacmi Tube Volume	Kapasite Capacity $\Delta t = T_c - T_a = 15^\circ C$		Adet Qty	Fanlar Fans		
			S 1/ 230V AC 50Hz 1400 rpm	L 1/ 230V AC 50Hz 900 rpm		Çap Diameter	S Hava Debisi Air Flow 1400 rpm	L Hava Debisi Air Flow 900 rpm
	m ²	dm ³	W	W		mm	m ³ /h	m ³ /h
KL13 35111	13,39	2,0	6.522	5.115		350	2.550	1.788
KL18 35112	17,86	2,7	7.431	5.301		350	2.403	1.526
KL22 35113	22,32	3,4	7.981	5.487		350	2.254	1.414
KL27 35114	26,79	4,0	8.283	5.595		350	2.119	1.327
KL13 40111	13,39	2,0	7.376	5.866		400	3.078	2.178
KL18 40112	17,86	2,7	8.390	6.372		400	2.854	1.946
KL22 40113	22,32	3,4	8.953	6.626		400	2.630	1.790
KL27 40114	26,79	4,0	9.144	6.829		400	2.415	1.682
KL21 40111	20,58	3,1	9.533	7.639		400	3.577	2.595
KL24 40111	24,21	3,1	10.290	8.212		400	3.514	2.547
KL27 40112	27,44	4,1	10.915	8.583		400	3.401	2.443
KL32 40112	32,28	4,1	11.509	8.959		400	3.325	2.379
KL34 40113	34,30	5,2	11.634	9.049		400	3.243	2.311
KL41 40114	41,16	6,2	12.155	9.228		400	3.104	2.202
KL21 45111	20,58	3,1	10.891	9.274		450	4.485	3.484
KL24 45111	24,21	3,1	11.796	9.898		450	4.387	3.367
KL27 45112	27,44	4,1	12.621	10.449		450	4.215	3.197
KL32 45112	32,28	4,1	13.392	10.886		450	4.108	3.097
KL34 45113	34,30	5,2	13.654	11.044		450	3.985	2.980
KL41 45114	41,16	6,2	14.313	11.231		450	3.780	2.781
KL21 50111	20,58	3,1	13.776	9.768		500	6.507	3.941
KL24 50111	24,21	3,1	14.899	10.461		500	6.284	3.801
KL27 50112	27,44	4,1	15.797	11.378		500	5.892	3.660
KL32 50112	32,28	4,1	16.695	11.903		500	5.636	3.510
KL34 50113	34,30	5,2	16.953	-		500	5.342	-
KL41 50114	41,16	6,2	17.310	-		500	4.877	-

Model Model	Boyutlar Dimensions										Bağlantılar Connections	
	L	H	W	L _T	L _C	L _U	L ₁	W ₁	W ₂	W ₃	Giriş Input	Çıkış Output
	cm	cm	cm	cm	cm	cm	cm	cm	cm	cm	mm	mm
KL13 40111	67	54	35	57,5	--	--	60	26	22	13,5	19	5/8
KL18 35112	67	54	35	57,5	--	--	60	26	22	13,5	22	19
KL22 35113	67	54	35	57,5	--	--	60	26	22	13,5	22	19
KL27 35114	67	54	39	57,5	--	--	60	29	25	16,5	22	19
KL13 40111	67	54	35	57,5	--	--	60	26	22	13,5	19	5/8
KL18 40112	67	54	35	57,5	--	--	60	26	22	13,5	22	19
KL22 40113	67	54	35	57,5	--	--	60	26	22	13,5	22	19
KL27 40114	67	54	39	57,5	--	--	60	29	25	16,5	22	19
KL21 40111	79	68	35	67,5	--	--	70	26	22	13,5	22	19
KL24 40111	79	68	35	67,5	--	--	70	26	22	13,5	22	19
KL27 40112	79	68	35	67,5	--	--	70	26	22	13,5	22	19
KL32 40112	79	68	35	67,5	--	--	70	26	22	13,5	22	19
KL34 40113	79	68	35	67,5	--	--	70	26	22	13,5	22	19
KL41 40114	79	68	39	67,5	--	--	70	29	25	16,5	22	19
KL21 45111	79	68	39	67,5	--	--	70	29	25	16,5	22	19
KL24 45111	79	68	39	67,5	--	--	70	29	25	16,5	22	19
KL27 45112	79	68	39	67,5	--	--	70	29	25	16,5	22	19
KL32 45112	79	68	39	67,5	--	--	70	29	25	16,5	22	19
KL34 45113	79	68	39	67,5	--	--	70	29	25	16,5	22	19
KL41 45114	79	68	41	67,5	--	--	70	32	28	19,5	22	19
KL21 50111	79	68	39	67,5	--	--	70	29	25	16,5	22	19
KL24 50111	79	68	39	67,5	--	--	70	29	25	16,5	22	19
KL27 50112	79	68	39	67,5	--	--	70	29	25	16,5	22	19
KL32 50112	79	68	39	67,5	--	--	70	29	25	16,5	22	19
KL34 50113	79	68	39	67,5	--	--	70	29	25	16,5	22	19
KL41 50114	79	68	41	67,5	--	--	70	32	28	19,5	22	19

Bakır Boru / Copper Tube

3/8"

Kalıp / Geometry

25 mm x 22 mm

Model Model	Yüzey Area	Boru Hacmi Tube Volume	Kapasite Capacity $\Delta T = T_c - T_a = 15^\circ C$		Fanlar Fans			
			S 1/ 230V AC 50Hz 1400 rpm	L 1/ 230V AC 50Hz 900 rpm	Adet Qty	Çap Diameter	S Hava Debisi Air Flow 1400 rpm	L Hava Debisi Air Flow 900 rpm
			W	W			m³/h	m³/h
KL18 30211	17,52	2,6	7.382	5.864		300	2.702	2.100
KL23 30212	23,38	3,6	8.378	6.316		300	2.516	1.800
KL29 30213	29,22	4,4	8.844	-		300	2.358	-
KL27 35211	26,78	4,0	13.112	9.684		350	5.140	3.310
KL36 35212	35,72	5,4	14.862	10.602		350	4.806	3.052
KL45 35213	44,64	6,8	15.962	10.974		350	4.508	2.828
KL54 35214	53,58	8,0	16.566	11.190		700	4.238	2.654
KL27 40211	26,78	4,0	14.752	11.732		400	6.156	4.356
KL36 40212	35,72	5,4	16.780	12.744		400	5.708	3.892
KL45 40213	44,64	6,8	17.906	13.252		400	5.260	3.580
KL54 40214	53,58	8,0	18.288	13.658		800	4.830	3.364
KL41 40211	41,16	6,2	19.066	15.278		400	7.154	5.190
KL48 40211	48,42	6,2	20.580	16.424		400	7.028	5.094
KL55 40212	54,88	8,2	21.830	17.166		400	6.802	4.886
KL64 40212	64,56	8,2	23.018	17.918		400	6.650	4.758
KL69 40213	68,60	10,4	23.268	18.098		400	6.486	4.622
KL82 40214	82,32	12,4	24.310	18.456		400	6.208	4.404
KL41 45211	41,16	6,2	21.782	18.548		450	8.970	6.968
KL48 45211	48,42	6,2	23.592	19.796		450	8.774	6.734
KL55 45212	54,88	8,2	25.242	20.898		450	8.430	6.394
KL65 45212	64,56	8,2	26.784	21.772		450	8.216	6.194
KL69 45213	68,60	10,4	27.308	22.088		450	7.970	5.960
KL82 45214	82,32	12,4	28.626	22.462		450	7.560	5.562
KL41 50211	41,16	6,2	27.552	19.536		500	13.014	7.882
KL48 50211	48,42	6,2	29.798	20.922		500	12.568	7.602
KL55 50212	54,88	8,2	31.594	22.756		500	11.784	7.320
KL65 50212	64,56	8,2	33.390	23.806		500	11.272	7.020
KL69 50213	68,60	10,4	33.906	-		500	10.684	-
KL82 50214	82,32	12,4	34.620	-		500	9.754	-

Model Model	Boyutlar Dimensions										Bağlantılar Connections	
	L	H	W	L _T	L _C	L _U	L ₁	W ₁	W ₂	W ₃	Giriş Input	Çıkış Output
	cm	cm	cm	cm	cm	cm	cm	cm	cm	cm	mm	mm
KL18 30211	102	43	35	--	92,5	--	95	26	22	13,5	22	19
KL23 30212	102	43	35	--	92,5	--	95	26	22	13,5	22	19
KL29 30213	102	43	35	--	92,5	--	95	26	22	13,5	22	19
KL27 35211	122	54	35	--	112,5	--	115	26	22	13,5	22	19
KL36 35212	122	54	35	--	112,5	--	115	26	22	13,5	22	19
KL45 35213	122	54	35	--	112,5	--	115	26	22	13,5	28	22
KL54 35214	122	54	39	--	112,5	--	115	29	25	16,5	28	22
KL27 40211	122	54	35	--	112,5	--	115	26	22	13,5	22	19
KL36 40212	122	54	35	--	112,5	--	115	26	22	13,5	22	19
KL45 40213	122	54	35	--	112,5	--	115	26	22	13,5	28	22
KL54 40214	122	54	39	--	112,5	--	115	29	25	16,5	28	22
KL41 40211	144	68	35	--	132,5	--	135	26	22	13,5	22	19
KL48 40211	144	68	35	--	132,5	--	135	26	22	13,5	28	22
KL55 40212	144	68	35	--	132,5	--	135	26	22	13,5	28	22
KL64 40212	144	68	35	--	132,5	--	135	26	22	13,5	28	22
KL69 40213	144	68	35	--	132,5	--	135	26	22	13,5	28	22
KL82 40214	144	68	39	--	132,5	--	135	29	25	16,5	28	22
KL41 45211	144	68	39	--	132,5	--	135	29	25	16,5	22	19
KL48 45211	144	68	39	--	132,5	--	135	29	25	16,5	28	22
KL55 45212	144	68	39	--	132,5	--	135	29	25	16,5	28	22
KL65 45212	144	68	39	--	132,5	--	135	29	25	16,5	28	22
KL69 45213	144	68	39	--	132,5	--	135	29	25	16,5	28	22
KL82 45214	144	68	41	--	132,5	--	135	32	28	19,5	28	22
KL41 50211	144	68	39	--	132,5	--	135	29	25	16,5	22	19
KL48 50211	144	68	39	--	132,5	--	135	29	25	16,5	28	22
KL55 50212	144	68	39	--	132,5	--	135	29	25	16,5	28	22
KL65 50212	144	68	39	--	132,5	--	135	29	25	16,5	28	22
KL69 50213	144	68	39	--	132,5	--	135	29	25	16,5	28	22
KL82 50214	144	68	41	--	132,5	--	135	32	28	19,5	28	22



Bakır Boru / Copper Tube

3/8"

Kalıp / Geometry

25 mm x 22 mm

Model Model	Yüzey Area	Boru Hacmi Tube Volume	Kapasite Capacity $\Delta T = T_c - T_a = 15^\circ C$		Fanlar Fans			
			S 1/ 230V AC 50Hz 1400 rpm	L 1/ 230V AC 50Hz 900 rpm	Adet Qty	Çap Diameter	S Hava Debisi Air Flow 1400 rpm	L Hava Debisi Air Flow 900 rpm
			W	W			m³/h	m³/h
KL82 40312	82,32	12,3	25.170	19.116	3 	400	8.562	5.838
KL103 40313	102,90	15,6	26.859	19.878		400	7.890	5.370
KL123 40314	123,48	18,6	27.432	20.487		400	7.245	5.046
KL82 45312	82,32	12,3	37.863	31.347		450	12.645	9.591
KL97 45312	96,84	12,3	40.176	32.658		450	12.324	9.291
KL103 45313	102,90	15,6	40.962	33.132		450	11.955	8.940
KL123 45314	123,48	18,6	42.939	33.693		450	11.340	8.343
KL82 50312	82,32	12,3	47.391	34.134		500	17.676	10.980
KL97 50312	96,84	12,3	50.085	35.709		500	16.908	10.530
KL103 50313	102,90	15,6	50.859	-		500	16.026	-
KL123 50314	123,48	18,6	51.930	-		500	14.631	-
KL110 40222	109,76	16,5	33.560	25.488	4 	400	11.416	7.784
KL137 40223	137,20	20,8	35.812	26.504		400	10.520	7.160
KL165 40224	164,64	24,8	36.576	27.316		400	9.660	6.728
KL110 45222	109,76	16,5	50.484	41.796		450	16.860	12.788
KL129 45222	129,12	16,5	66.780	47.612		450	22.544	14.040
KL137 45223	137,20	20,8	54.616	44.176		450	15.940	11.920
KL165 45224	164,64	24,8	57.252	44.924		450	15.120	11.124
KL110 50222	109,76	16,5	63.188	45.512		500	23.568	14.640
KL129 50 222	129,12	16,5	66.780	47.612		500	22.544	14.040
KL137 50223	137,20	20,8	67.812	-		500	21.368	-
KL165 50224	164,64	24,8	69.240	-		500	19.508	-

Model Model	Boyutlar Dimensions										Bağlantılar Connections	
	L	H	W	L _T	L _C	L _U	L ₁	W ₁	W ₂	W ₃	Giriş Input	Çıkış Output
	cm	cm	cm	cm	cm	cm	cm	cm	cm	cm	mm	mm
KL82 40312	209	68	35	--	--	197,5	200	26	22	13,5	28	22
KL103 40313	209	68	35	--	--	197,5	200	26	22	13,5	28	22
KL123 40314	209	68	39	--	--	197,5	200	29	25	16,5	35	28
KL82 45312	209	68	39	--	--	197,5	200	29	25	16,5	28	22
KL97 45312	209	68	39	--	--	197,5	200	29	25	16,5	28	22
KL103 45313	209	68	39	--	--	197,5	200	29	25	16,5	28	22
KL123 45314	209	68	41	--	--	197,5	200	32	28	19,5	35	28
KL82 50312	209	68	39	--	--	197,5	200	29	25	16,5	28	22
KL97 50312	209	68	39	--	--	197,5	200	29	25	16,5	28	22
KL103 50313	209	68	39	--	--	197,5	200	29	25	16,5	28	22
KL123 50314	209	68	41	--	--	197,5	200	32	28	19,5	35	22
KL110 40222	142	133	35	--	132,5	--	135	26	22	13,5	28	22
KL137 40223	142	133	35	--	132,5	--	135	26	22	13,5	35	28
KL165 40224	142	133	39	--	132,5	--	135	29	25	16,5	42	35
KL110 45222	142	133	39	--	132,5	--	135	29	25	16,5	28	22
KL129 45222	142	133	39	--	132,5	--	135	29	25	16,5	35	28
KL137 45223	142	133	39	--	132,5	--	135	29	25	16,5	35	28
KL165 45224	142	133	41	--	132,5	--	135	32	28	19,5	42	35
KL110 50222	142	133	39	--	132,5	--	135	29	25	16,5	28	22
KL129 50 222	142	133	39	--	132,5	--	135	29	25	16,5	35	28
KL137 50223	142	133	39	--	132,5	--	135	29	25	16,5	35	28
KL165 50224	142	133	41	--	132,5	--	135	32	28	19,5	42	35

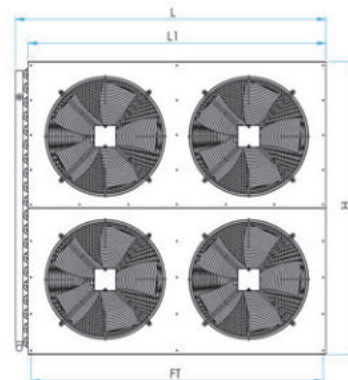
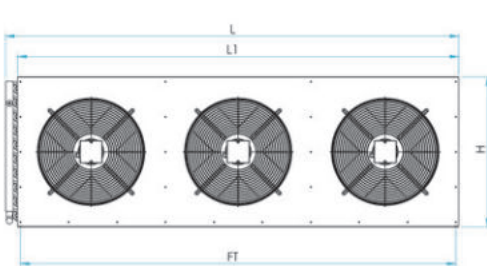
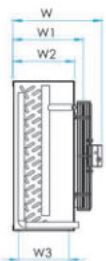
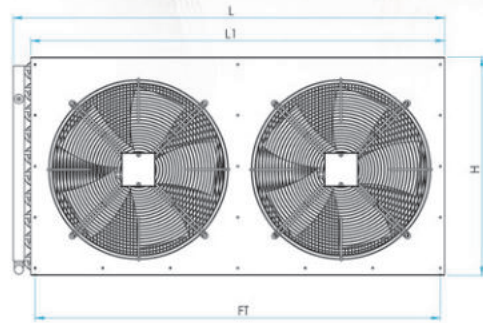
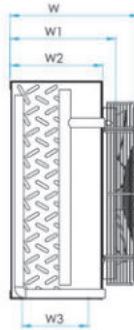
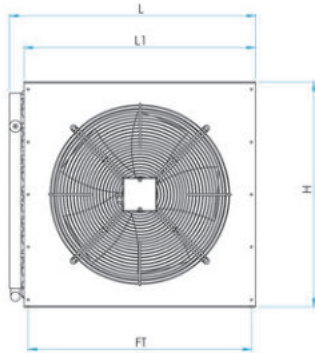
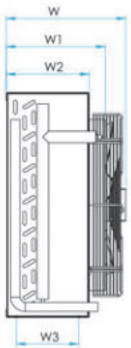
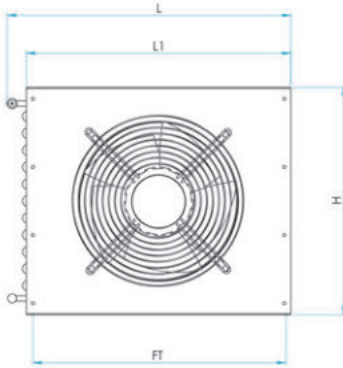
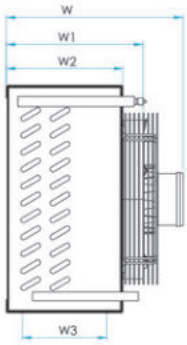
TEKNİK BİLGİLER

Technical Information

Bakır Boru / Copper Tube : 5/16"
Kalıp / Geometry : 25 mm x 22 mm

Belirtilen kapasiteler EBM, Ziehl - Abegg ve muadili fanlara göre hesaplanmıştır.

Capacities are calculated according to EBM or Ziehl-Abegg or equivalent brand fans.





Bakır Boru / Copper Tube

5/16"

Kalıp / Geometry

25 mm x 22 mm

Model Model	Yüzey Area	Boru Hacmi Sube Volume	Kapasite Capacity $\Delta T = T_c - T_a = 15^\circ C$		Adet Qty	Fanlar Fans		
			S 1/ 230V AC 50Hz 1400 rpm	L 1/ 230V AC 50Hz 900 rpm		Çap Diameter	S Hava Debisi Air Flow 1400 rpm	L Hava Debisi Air Flow 900 rpm
	m ²	dm ³	W	W		mm	m ³ /h	m ³ /h
KS14 35111	14,04	1,4	6.340	5.148		400	2.635	1.900
KS19 35112	18,71	1,9	7.299	5.344		350	2.448	1.526
KS23 35113	23,39	2,3	7.888	5.579		350	2.308	1.414
KS28 35114	28,07	2,8	8.219	5.611		350	2.184	1.327
KS14 40111	14,04	1,4	7.067	5.928		400	3.154	2.179
KS19 40112	18,71	1,9	8.153	6.476		400	2.923	1.947
KS23 40113	23,39	2,3	8.927	6.710		400	2.744	1.790
KS28 40114	28,07	2,8	9.254	6.877		400	2.560	1.682
KS21 40115	21,56	2,1	9.109	7.639		400	3.584	2.595
KS24 40115 2,1	24,96	2,1	9.881	8.187		400	3.527	2.547
KS29 40116	28,75	2,9	10.553	8.583		400	3.419	2.443
KS34 40116 2,1	33,90	2,9	11.200	8.959		400	3.350	2.379
KS36 40117	35,94	3,6	11.420	9.049		400	3.268	2.311
KS42 40118	42,43	4,3	11.843	9.257		400	3.135	2.202
KS22 45111	21,56	2,1	10.302	9.099		450	4.543	3.578
KS25 45111 2,1	25,43	2,1	11.213	9.779		450	4.445	3.473
KS29 45112	28,75	2,9	12.101	10.242		450	4.280	3.285
KS34 45112 2,1	33,91	2,9	12.929	10.785		450	4.174	3.180
KS36 45113	35,94	3,6	13.369	10.908		450	4.059	3.068
KS43 45114	43,13	4,3	14.087	11.133		450	3.862	2.886
KS22 50111	21,56	3,1	12.982	9.910		500	6.860	4.090
KS25 50111 2,1	25,43	3,1	14.170	10.187		500	6.644	3.950
KS29 50112	28,75	4,1	15.172	10.870		500	6.278	3.707
KS34 50112 2,1	33,91	4,1	16.244	11.151		500	6.024	3.590
KS35 50113	35,36	5,2	16.606	11.648		500	5.780	3.470
KS43 50114	43,13	6,2	17.601	-		500	5.329	-

Model Model	Boyutlar Dimensions										Bağlantılar Connections	
	L	H	W	LT	L _c	L ₀	L ₁	W ₁	W ₂	W ₃	Giriş Input	Çıkış Output
	cm	cm	cm	cm	cm	cm	cm	cm	cm	cm	mm	mm
KS14 40111	67	54	35	57,5	--	--	60	26	22	13,5	19	5/8
KS19 35112	67	54	35	57,5	--	--	60	26	22	13,5	22	19
KS23 35113	67	54	35	57,5	--	--	60	26	22	13,5	22	19
KS28 35114	67	54	39	57,5	--	--	60	29	25	16,5	22	19
KS14 40111	67	54	35	57,5	--	--	60	26	22	13,5	19	5/8
KS19 40112	67	54	35	57,5	--	--	60	26	22	13,5	22	19
KS23 40113	67	54	35	57,5	--	--	60	26	22	13,5	22	19
KS28 40114	67	54	39	57,5	--	--	60	29	25	16,5	22	19
KS21 40115	79	68	35	67,5	--	--	70	26	22	13,5	22	19
KS24 40115 2,1	79	68	35	67,5	--	--	70	26	22	13,5	22	19
KS29 40116	79	68	35	67,5	--	--	70	26	22	13,5	22	19
KS34 40116 2,1	79	68	35	67,5	--	--	70	26	22	13,5	22	19
KS36 40117	79	68	35	67,5	--	--	70	26	22	13,5	22	19
KS42 40118	79	68	39	67,5	--	--	70	29	25	16,5	22	19
KS22 45111	79	68	39	67,5	--	--	70	29	25	16,5	22	19
KS25 45111 2,1	79	68	39	67,5	--	--	70	29	25	16,5	22	19
KS29 45112	79	68	39	67,5	--	--	70	29	25	16,5	22	19
KS34 45112 2,1	79	68	39	67,5	--	--	70	29	25	16,5	22	19
KS36 45113	79	68	39	67,5	--	--	70	29	25	16,5	22	19
KS43 45114	79	68	41	67,5	--	--	70	32	28	19,5	22	19
KS22 50111	79	68	39	67,5	--	--	70	29	25	16,5	22	19
KS25 50111 2,1	79	68	39	67,5	--	--	70	29	25	16,5	22	19
KS29 50112	79	68	39	67,5	--	--	70	29	25	16,5	22	19
KS34 50112 2,1	79	68	39	67,5	--	--	70	29	25	16,5	22	19
KS35 50113	79	68	39	67,5	--	--	70	29	25	16,5	22	19
KS43 50114	79	68	41	67,5	--	--	70	32	28	19,5	22	19



KS SERİSİ
KS SERIES

Bakır Boru / Copper Tube 5/16"

Kalıp / Geometry 25 mm x 22 mm

Model Model	Yüzey Area	Boru Hacmi Tube Volume	Kapasite Capacity $\Delta T = T_o - T_a = 15^\circ C$		Adet Qty	Fanlar Fans		
			S 1/ 230V AC 50Hz 1400 rpm	L 1/ 230V AC 50Hz 900 rpm		Çap Diameter	S Hava Debisi Air Flow 1400 rpm	L Hava Debisi Air Flow 900 rpm
			W	W		mm	m³/h	m³/h
KS18 30211	18,38	1,8	7.220	6.182		300	2.746	2.100
KS24 30212	24,50	2,4	8.112	5.574		300	2.566	1.820
KS31 30213	30,62	3,0	8.622	-		300	2.412	-
KS28 35211	28,08	2,8	12.540	9.854		350	5.214	3.310
KS37 35212	37,42	3,8	14.598	10.688		350	4.896	3.052
KS47 35213	46,78	4,6	15.776	11.158		350	4.616	2.828
KS56 35214	56,14	5,6	16.438	11.222		350	4.368	2.654
KS28 40211	28,08	2,8	14.134	11.856		400	6.308	4.358
KS37 40212	37,42	3,8	16.306	12.952		400	5.846	3.894
KS47 40213	46,78	4,6	17.854	13.420		400	5.488	3.580
KS56 40214	56,14	5,6	18.508	13.754		400	5.120	3.364
KS41 40215	43,12	4,2	18.218	15.278		400	7.168	5.190
KS48 40215 2,1	49,92	6,2	19.762	16.374		400	7.054	5.094
KS57 40216	57,50	5,8	21.106	17.166		400	6.838	4.886
KS68 40216 2,1	67,80	5,8	22.400	17.918		400	6.700	4.758
KS72 40217	71,88	7,2	22.840	18.098		400	6.536	4.622
KS85 40218	84,87	12,4	23.686	18.514		800	6.270	4.404
KS43 45211	43,12	4,2	20.604	18.198		450	9.086	7.156
KS51 45211 2,1	50,86	4,2	22.426	19.558		450	8.890	6.946
KS57 45212	57,50	5,8	24.202	20.484		450	8.560	6.570
KS68 45212 2,1	67,82	5,8	25.858	21.570		450	8.348	6.360
KS72 45213	71,88	7,2	26.738	21.816		450	8.118	6.136
KS86 45214	86,26	8,6	28.174	22.266		450	7.724	5.772
KS43 50211	43,12	6,2	25.964	19.820		500	13.720	8.180
KS51 50211 2,1	50,86	6,2	28.340	20.374		500	13.288	7.900
KS57 50212	57,50	8,2	30.344	21.740		500	12.556	7.414
KS68 50212 2,1	67,82	8,2	32.488	22.302		500	12.048	7.180
KS71 50213	70,72	10,4	33.212	23.296		500	11.560	6.940
KS86 50214	86,26	12,4	35.202	-		500	10.658	-

Model Model	Boyutlar Dimensions										Bağlantılar Connections	
	L	H	W	L _T	L _C	L _U	L ₁	W ₁	W ₂	W ₃	Giriş Input	Çıkış Output
	cm	cm	cm	cm	cm	cm	cm	cm	cm	cm	mm	mm
KS18 30211	102	43	35	--	92,5	--	95	26	22	13,5	22	19
KS24 30212	102	43	35	--	92,5	--	95	26	22	13,5	22	19
KS31 30213	102	43	35	--	92,5	--	95	26	22	13,5	22	19
KS28 35211	122	54	35	--	112,5	--	115	26	22	13,5	22	19
KS37 35212	122	54	35	--	112,5	--	115	26	22	13,5	22	19
KS47 35213	122	54	35	--	112,5	--	115	26	22	13,5	28	22
KS56 35214	122	54	39	--	112,5	--	115	29	25	16,5	28	22
KS28 40211	122	54	35	--	112,5	--	115	26	22	13,5	22	19
KS37 40212	122	54	35	--	112,5	--	115	26	22	13,5	22	19
KS47 40213	122	54	35	--	112,5	--	115	26	22	13,5	28	22
KS56 40214	122	54	39	--	112,5	--	115	29	25	16,5	28	22
KS41 40215	144	68	35	--	132,5	--	135	26	22	13,5	22	19
KS48 40215 2,1	144	68	35	--	132,5	--	135	26	22	13,5	28	22
KS57 40216	144	68	35	--	132,5	--	135	26	22	13,5	28	22
KS68 40216 2,1	144	68	35	--	132,5	--	135	26	22	13,5	28	22
KS72 40217	144	68	35	--	132,5	--	135	26	22	13,5	28	22
KS85 40218	144	68	39	--	132,5	--	135	29	25	16,5	28	22
KS43 45211	144	68	39	--	132,5	--	135	29	25	16,5	22	19
KS51 45211 2,1	144	68	39	--	132,5	--	135	29	25	16,5	28	22
KS57 45212	144	68	39	--	132,5	--	135	29	25	16,5	28	22
KS68 45212 2,1	144	68	39	--	132,5	--	135	29	25	16,5	28	22
KS72 45213	144	68	39	--	132,5	--	135	29	25	16,5	28	22
KS86 45214	144	68	41	--	132,5	--	135	32	28	19,5	28	22
KS43 50211	144	68	39	--	132,5	--	135	29	25	16,5	22	19
KS51 50211 2,1	144	68	39	--	132,5	--	135	29	25	16,5	28	22
KS57 50212	144	68	39	--	132,5	--	135	29	25	16,5	28	22
KS68 50212 2,1	144	68	39	--	132,5	--	135	29	25	16,5	28	22
KS71 50213	144	68	39	--	132,5	--	135	29	25	16,5	28	22
KS86 50214	144	68	41	--	132,5	--	135	32	28	19,5	28	22



Bakır Boru / Copper Tube

5/16"

Kalıp / Geometry

25 mm x 22 mm

Model Model	Yüzey Area	Boru Hacmi Sube Volume	Kapasite Capacity $\Delta T = T_c - T_a = 15^\circ C$		Fanlar Fans			
			S 1/ 230V AC 50Hz 1400 rpm	L 1/ 230V AC 50Hz 900 rpm	Adet Qty	Çap Diameter	S Hava Debisi Air Flow 1400 rpm	L Hava Debisi Air Flow 900 rpm
			W	W			m³/h	m³/h
KS86 40312	86,25	8,7	31.659	25.749	3	400	10.257	7.329
KS108 40313	107,82	10,8	34.260	27.147		400	9.804	6.933
KS127 40314	127,30	18,6	27.762	20.631		400	7.680	5.046
KS86 45312	86,25	8,7	36.303	30.726		450	12.840	9.855
KS102 45312 2,1	101,73	8,7	38.787	32.355		450	12.522	9.540
KS108 45313	107,82	10,8	40.107	32.724		450	12.177	9.204
KS129 45314	129,39	12,9	42.261	33.399		450	11.586	8.658
KS86 50312	86,25	12,3	45.516	32.610		500	18.834	11.121
KS102 50312 2,1	101,73	12,3	48.732	33.453		500	18.072	10.770
KS106 50313	106,08	15,6	49.818	34.944		500	17.340	10.410
KS129 50314	129,39	18,6	52.803	-	4	500	15.987	-
KS115 40222	115,00	11,6	42.212	34.332		400	13.676	9.772
KS144 40223	143,76	14,4	45.680	36.196		400	13.072	9.244
KS170 40224	169,73	24,8	37.016	27.508		400	10.240	6.728
KS115 45222	115,00	11,6	48.404	40.968		450	17.120	13.140
KS136 45222 2,1	135,64	11,6	51.716	43.140		450	16.696	12.720
KS144 45223	143,76	14,4	53.476	43.632		450	16.236	12.272
KS172 45224	172,52	17,2	56.348	44.532		450	15.448	11.544
KS115 50222	115,00	16,4	60.688	43.480		500	25.112	14.828
KS136 50222 2,1	135,64	16,4	64.976	44.604		500	24.096	14.360
KS141 50223	141,44	20,8	66.424	46.592		500	23.120	13.880
KS172 50224	172,52	24,8	70.404	-		500	21.316	-

Model Model	Boyutlar Dimensions										Bağlantılar Connections	
	L	H	W	LT	L _c	L ₀	L ₁	W ₁	W ₂	W ₃	Giriş Input	Çıkış Output
	cm	cm	cm	cm	cm	cm	cm	cm	cm	cm	mm	mm
KS86 40312	209	68	35	--	--	197,5	200	26	22	13,5	28	22
KS108 40313	209	68	35	--	--	197,5	200	26	22	13,5	28	22
KS127 40314	209	68	39	--	--	197,5	200	29	25	16,5	35	28
KS86 45312	209	68	39	--	--	197,5	200	29	25	16,5	28	22
KS102 45312 2,1	209	68	39	--	--	197,5	200	29	25	16,5	28	22
KS108 45313	209	68	39	--	--	197,5	200	29	25	16,5	28	22
KS129 45314	209	68	41	--	--	197,5	200	32	28	19,5	35	28
KS86 50312	209	68	39	--	--	197,5	200	29	25	16,5	28	22
KS102 50312 2,1	209	68	39	--	--	197,5	200	29	25	16,5	28	22
KS106 50313	209	68	39	--	--	197,5	200	29	25	16,5	28	22
KS129 50314	209	68	41	--	--	197,5	200	32	28	19,5	35	22
KS115 40222	142	133	35	--	132,5	--	135	26	22	13,5	28	22
KS144 40223	142	133	35	--	132,5	--	135	26	22	13,5	35	28
KS170 40224	142	133	39	--	132,5	--	135	29	25	16,5	42	35
KS115 45222	142	133	39	--	132,5	--	135	29	25	16,5	28	22
KS136 45222 2,1	142	133	39	--	132,5	--	135	29	25	16,5	35	28
KS144 45223	142	133	39	--	132,5	--	135	29	25	16,5	35	28
KS172 45224	142	133	41	--	132,5	--	135	32	28	19,5	42	35
KS115 50222	142	133	39	--	132,5	--	135	29	25	16,5	28	22
KS136 50222 2,1	142	133	39	--	132,5	--	135	29	25	16,5	35	28
KS141 50223	142	133	39	--	132,5	--	135	29	25	16,5	35	28
KS172 50224	142	133	41	--	132,5	--	135	32	28	19,5	42	35

BUZÇELİK
THERMIC EQUIPMENTS INDUSTRY

Konya 4. O.S.B. Büyük Kayacık Mh.
416 Sk. No:10 Selçuklu - KONYA / TURKEY
Tel : +90 444 0 624
Fax : +90 332 345 3399

