



## AIR COOLED CONDENSERS GENERAL CATALOG



## HAVA SOĞUTMALI KONDENSERLER KATALOĐU

## İÇİNDEKİLER - CONTENTS

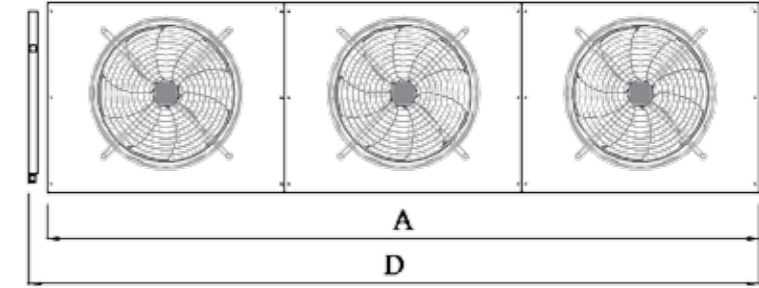
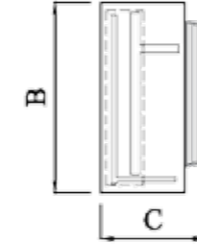
ICKD Serisi Ekonomik Ticari Kondenserler - <i>ICKD Series Economic Commercial Condensers</i>	05
ICFK Serisi Ticari Kondenserler - <i>ICFK Series Commercial Condensers</i>	09
ICEK Serisi Endüstriyel Kondenserler - <i>ICEK Series Industrial Condensers</i>	17
Batarya Görselleri - Coils Images	32

# **ICKD Series**

ICKD Serisi Ekonomik Ticari Kondenserler  
ICKD Series Economic Commercial Condensers

i-cold ICKF Serisi Ticari Kondanserleri, küçük ve orta kapasiteli soğutma sistemleri için, ilk yatırım maliyeti göz önünde tutularak tasarlanmıştır. (32x28 geometri)

i-cold ICKF Series Commercial Condensers are designed for small and middle capacity refrigeration systems according to investment costs. (32x28 geometry)



**Ticari Kondanser Ekonomik Seri**  
Commercial Condenser Economic Serie

Yüzey m<sup>2</sup>  
Surface m<sup>2</sup>

MD: 1 fanlı, DD: 2 fanlı, TD: 3 fanlı  
MD: for 1 fan, DD: for 2 fans, TD: for 3 fans

Lamel Arası (Hatve) 3: 2,3mm. 8: 2,8mm.  
Fin Spacing mm. 3: 2,3mm. 8: 2,8mm.

**ICKD - 10 . MD . 3 - N**

Normal Ses Düzeyi  
Normal Noise Level

Model	Lamel Alanı Fin Surface	Kapasite Capacity	Fan Debisi Air Flow	Fan Çapı Fan Diameter	Fan Adedi N. of Fans	Fan Gücü (230V) Fan Power (230V)	Fan Akım Fan Current	Ses Seviyesi (10m) Sound Level (10m)	Giriş B. Inlet Con.	Çıkış B. Outlet Con.	Boyutlar Dimensions			
	m <sup>2</sup>	kW	m <sup>3</sup> /h	mm	adet	kW	A	dBA	mm	mm	A	B	C	D
ICKD 10 MD3	10	3,5	1.570	350	1	0,13	0,58	39	16	13	415	415	330	455
ICKD 12 MD3	12	4,0	1.680	350	1	0,13	0,58	39	16	13	470	415	330	510
ICKD 15 MD3	15	5,2	2.380	400	1	0,16	0,73	44	22	19	510	500	330	550
ICKD 20 MD3	20	6,7	2.690	400	1	0,16	0,73	44	22	19	510	500	400	550
ICKD 25 MD3	25	8,6	3.515	450	1	0,35	1,55	46	22	19	550	560	400	590
ICKD 30 MD3	30	9,8	3.865	500	1	0,78	3,40	43	22	19	580	625	445	625
ICKD 35 MD3	35	11,2	4.150	500	1	0,78	3,40	43	22	19	670	625	445	715
ICKD 40 DD3	40	14,0	5.380	400	2	0,32	1,46	44	22	19	970	500	400	1015
ICKD 50 DD3	50	16,9	6.215	450	2	0,70	3,10	46	28	22	1050	560	400	1105
ICKD 60 DD3	60	20,9	7.730	500	2	1,56	6,80	46	28	22	1110	625	445	1165
ICKD 70 DD3	70	27,1	10.200	500	2	1,56	6,80	46	28	22	1290	625	445	1345
ICKD 80 TD3	80	30,5	10.920	450	3	1,05	4,65	51	28	22	1640	560	400	1700
ICKD 90 TD3	90	33,1	11.600	500	3	2,34	10,20	48	28	22	1640	625	445	1700
ICKD 100 TD3	100	39,3	14.000	500	3	2,34	10,20	48	35	28	1850	625	445	1910
ICKD 8 MD8	8	3,6	1.990	350	1	0,13	0,58	39	16	13	405	415	330	445
ICKD 10 MD8	10	4,1	2.260	350	1	0,13	0,58	39	16	13	435	480	330	475
ICKD 12 MD8	12	4,5	2.380	350	1	0,13	0,58	39	16	13	480	480	330	520
ICKD 15 MD8	15	6,6	3.490	400	1	0,16	0,73	44	22	19	540	560	330	580
ICKD 20 MD8	20	7,6	3.195	400	1	0,16	0,73	44	22	19	540	560	400	580
ICKD 25 MD8	25	9,0	3.335	450	1	0,35	1,55	46	22	19	540	560	400	580
ICKD 30 MD8	30	13,3	5.590	500	1	0,78	3,40	43	22	19	700	625	445	745
ICKD 35 MD8	35	14,5	6.135	500	1	0,78	3,40	43	22	19	700	720	445	745
ICKD 12 DD8	12	3,9	1.600	250	2	0,08	0,38	32	19	16	620	380	300	660
ICKD 15 DD8	15	6,0	2.680	300	2	0,14	0,60	37	19	16	760	380	300	800
ICKD 20 DD8	20	7,2	2.775	300	2	0,14	0,60	37	22	19	760	380	300	800
ICKD 30 DD8	30	11,1	4.250	350	2	0,26	1,16	42	22	19	860	500	330	900
ICKD 40 DD8	40	15,7	6.300	400	2	0,32	1,46	47	22	19	1030	560	400	1075
ICKD 50 DD8	50	17,7	8.070	450	2	0,70	3,10	49	28	22	1030	560	400	1075
ICKD 60 DD8	60	19,4	8.685	500	2	1,56	6,80	46	28	22	1350	625	400	1405
ICKD 70 DD8	70	24,2	12.275	500	2	1,56	6,80	46	28	22	1350	720	445	1405
ICKD 80 TD8	80	27,1	12.455	450	3	1,05	4,65	51	28	22	1790	625	400	1850
ICKD 90 TD8	90	29,5	14.000	500	3	2,34	10,20	48	28	22	2000	625	400	2060

# **ICFK Series**

ICFK Serisi Ticari Kondenserler  
ICFK Series Commercial Condensers

i-cold ICFK Serisi Ticari Kondanserleri, küçük ve orta kapasiteli soğutma sistemleri için enerji, ses seviyesi, ilk yatırım maliyeti ve işletim giderleri göz önünde tutularak tasarlanmıştır.

i-cold ICFK Series Commercial Condensers are designed for small and middle capacity refrigeration systems according to energy consumption, sound level, investment and operation costs.



i-cold Ticari Kondanser  
Commercial Condenser

Ürün Kodu  
Product Code

Fan Adedi X Fan Kanat Çapı cm. (2 adet, 40 cm.)  
Fan Quantity and Diameter of the Fan Impeller cm. (2 pcs, 40 cm.)

Lamel Arası (Hatve) mm.  
Fin Spacing mm.

**ICFK - 038 . 240 . 2,5 - N L**

Normal Ses Düzeyi  
Normal Noise Level

Düşük Ses Düzeyi  
Low Noise Level

ÜRÜN SEÇİMİ / PRODUCT SELECTION

Kompresör Elektrik Çekim Gücü Biliniyorsa

If power input of compressor is known

ICFK Serisi Kondanser Seçimi		ICFK Series Condenser Selection	
$Q_{nc} = (Q_e + P_i) \times f_{ai} \times f_r \times f_h \times f_m$			
Kompresör kapasitesi	$Q_e : 12000$ Watt	Refrigeration Capacity	
Kompresör elektrik çekim gücü	$P_i : 3000$ Watt	The Compressor Power Input	
Kondansasyon sıcaklığı (Tc)	50°C	Condensation temperature (Tc)	
Hava giriş sıcaklığı (Tai)	40°C	Air inlet temperature (Tai)	
Rakım (metre)	400	Altitude (meter)	
Soğutucu akışkan	404A	Refrigerant	
Lamel malzemesi	Al	Fin Material	
$Q_{nc} = (12 + 3) \times (15 / (50 - 40)) \times 1,53 \times 1 \times 1,026 \times 1$			
$Q_{nc} = 24200$ Watt			
Seçilen Kondanser	ICFK-054.245.2,5-N 25000 Watt	Selected condenser	
5 metre mesafeden ses düzeyi	53+6=59 dB(A)	Noise level at 5 meter	

Kompresör Elektrik Çekim Gücü Bilinmiyorsa

If power input of compressor is unknown

ICFK Serisi Kondanser Seçimi		ICFK Series Condenser Selection	
$Q_{nc} = Q_c \times f_d \times f_{ai} \times f_r \times f_h \times f_m$ $Q_c = Q_e \times f_p$			
Kompresör kapasitesi	$Q_e : 10000$ Watt	Refrigeration Capacity	
Evaporasyon sıcaklığı (Te)	-10°C	Evaporation temperature (TE)	
Kondansasyon sıcaklığı (Tc)	50°C	Condensation temperature (Tc)	
Hava giriş sıcaklığı (Tai)	40°C	Air inlet temperature (Tai)	
Kompresör tipi	Semi Hermetik / Semi Hermetic	Compressor type	
Rakım (metre)	400	Altitude (meter)	
Soğutucu akışkan	404A	Refrigerant	
Lamel malzemesi	Al	Fin material	
$Q_c = 10 \times 1,42 = 14200$ Watt $Q_{nc} = 14,2 \times (15) \times 1,053 \times 1 \times 1,026 \times 1$			
$Q_{nc} = 23100$ Watt			
Seçilen Kondanser	ICFK-054.245.2,5-N 25000 Watt	Selected condenser	
5 metre mesafeden ses düzeyi	53+6=59 dB(A)	Noise level at 5 meter	

$\Delta$  Düzeltme faktörü  $f_d = 15 / (T_c - T_{ai})$   $\Delta$  correction factor

$f_p$ Hermetik - Yarı Hermetik Kompresör için $f_p / f_p$ for Hermetic and Semi-Hermetic Compressor												
Evaporasyon Sıcaklığı / °C Evaporation Temperature	-40	-35	-30	-25	-20	-15	-10	-5	0	5	10	
Kondansasyon Sıcaklığı / °C Condensing Temperature	<b>35</b>	1,68	1,60	1,53	1,47	1,41	1,35	1,31	1,27	1,23	1,19	1,14
	<b>40</b>	1,77	1,66	1,58	1,51	1,44	1,39	1,34	1,29	1,25	1,21	1,18
	<b>45</b>	1,88	1,74	1,63	1,55	1,48	1,43	1,38	1,33	1,29	1,24	1,21
	<b>50</b>	2,04	1,86	1,72	1,62	1,54	1,48	1,42	1,37	1,33	1,28	1,24
	<b>55</b>	2,28	2,08	1,90	1,75	1,62	1,53	1,46	1,41	1,37	1,32	1,25

$f_p$ Açık Kompresör için $f_p / f_p$ for Open Compressor												
Evaporasyon Sıcaklığı / °C Evaporation Temperature	-40	-35	-30	-25	-20	-15	-10	-5	0	5	10	
Kondansasyon Sıcaklığı / °C Condensing Temperature	<b>35</b>	1,46	1,41	1,36	1,32	1,28	1,25	1,21	1,18	1,15	1,13	1,10
	<b>40</b>	1,51	1,45	1,40	1,36	1,32	1,28	1,24	1,21	1,18	1,15	1,13
	<b>45</b>	1,56	1,50	1,45	1,40	1,36	1,32	1,28	1,24	1,21	1,18	1,15
	<b>50</b>	1,62	1,56	1,50	1,45	1,40	1,35	1,31	1,28	1,24	1,21	1,18
	<b>55</b>	1,68	1,62	1,55	1,50	1,45	1,40	1,35	1,31	1,28	1,24	1,21

Hava Giriş Sıcaklığı Düzeltme Katsayısı / Air Inlet Correction Factor								
$T_{ai}$	15	20	25	30	35	40	45	50
$f_{ai}$	0,971	0,981	1	1,010	1,031	1,053	1,064	1,075

Rakım Düzeltme Katsayısı / Installation Altitude Correction Factor								
H	0	200	400	600	800	1000	1500	2000
$f_h$	1	1,011	1,026	1,042	1,064	1,075	1,124	1,176

Ses Basınç Seviyesinin Mesafeye Göre Değişimi / Sound Pressure Level Change with Respect to Distance							
	1m	3m	5m	10m	30m	50m	100m
dB(A)	1	1,011	1,026	1,042	1,064	1,075	1,124

Soğutucu Akışkan Düzeltme Katsayısı / Refrigerant Correction Factor						
	R134a	R22	R404	R507	R407A	R407C
$f_r$	1,08	1,04	1	1	1,20	1,15

Malzeme Düzeltme Katsayısı / Fin Material Correction Factor			
	Alüminyum Aluminium (Al)	Kaplamalı Alüminyum Coated Aluminium (Al Pc)	Bakır Copper (Cu)
$f_m$	1	1,03	0,97

Fan Sayısına Bağlı Olarak Ses Basınç Seviyelerindeki Artış / Sum of Noise Powers in case of Several Fans								
Adet Pieces	1	2	3	4	5	6	10	12
dB(A)	0	3	5	6	7	8	10	11

\* Birden fazla ürünün kullanılması durumunda \* In case of several units of the same size

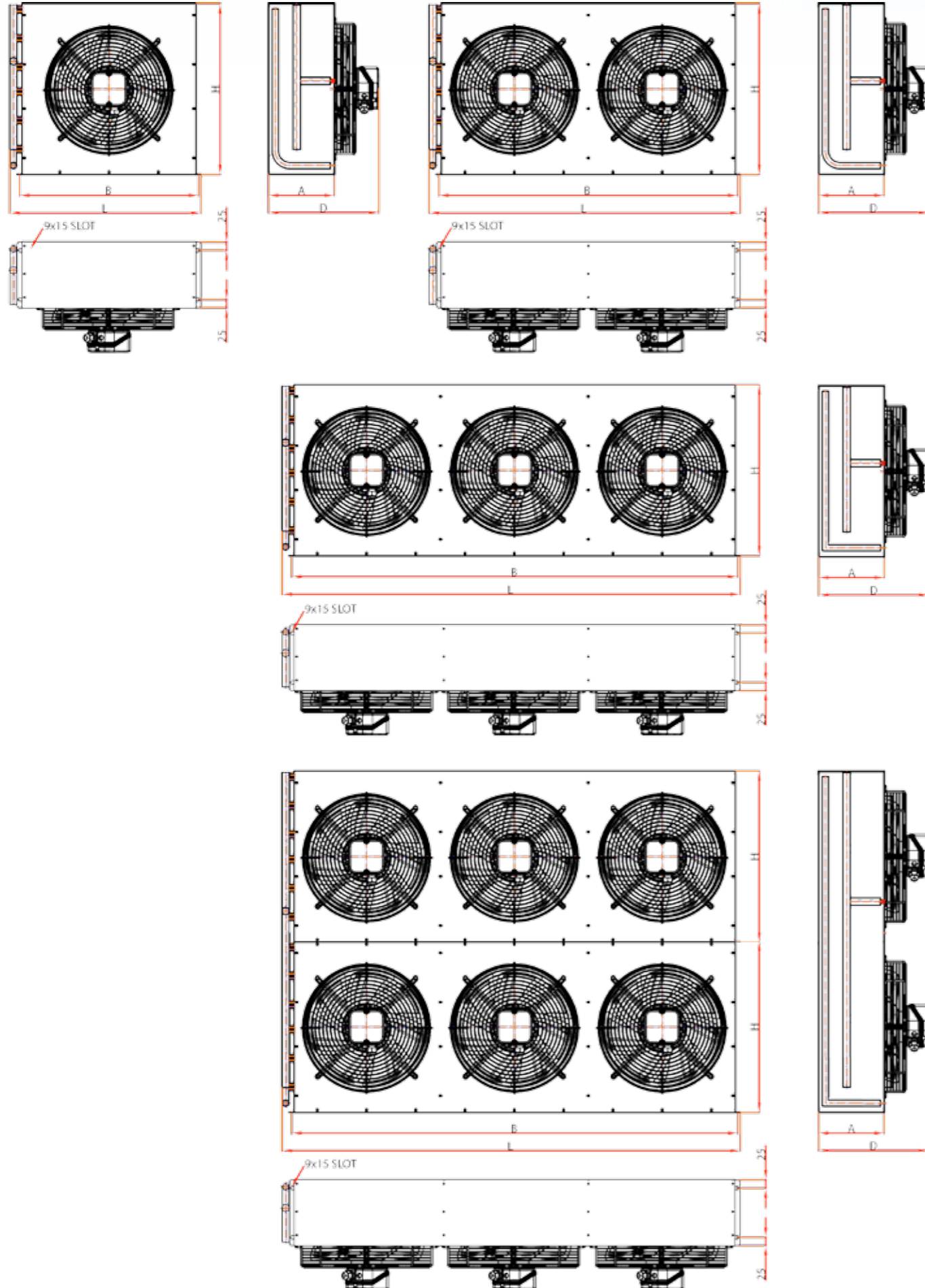


Model	Isı transfer yüzeyi Heat Transfer Surface	Kapasite Capacity ΔT= 15K	Hava Debisi Air Flow	Fan Elektrik Gücü Power Consumption Pei Total	Enerji Sınıfı Energy Efficiency Class	Ses Seviyesi Sound Pressure Level 10 m	Kapasite Capacity ΔT= 15K	Hava Debisi Air Flow	Fan Elektrik Gücü Power Consumption Pei Total	Enerji Sınıfı Energy Efficiency Class	Ses Seviyesi Sound Pressure Level 10 m
	m <sup>2</sup>	Watt	m <sup>3</sup> /h	Watt	A - E	dB(A)	Watt	m <sup>3</sup> /h	Watt	A - E	dB(A)
	ICFK-007.130.2,5	6,8	3150	1216	69	C	39	-	-	-	-
ICFK-010.130.2,5	9,0	3580	1113	71	C	40	-	-	-	-	-
ICFK-011.135.2,5	10,3	5440	2219	155	D	44	4090	1469	72	C	34
ICFK-015.135.2,5	13,7	5990	1997	158	D	44	4390	1317	74	C	34
ICFK-014.140.2,5	13,3	7470	3013	198	D	54	6120	2247	120	C	39
ICFK-019.140.2,5	17,7	8320	2748	205	D	54	6560	1990	122	C	39
ICFK-020.145.2,5	18,8	10970	4471	318	D	54	8980	3324	187	C	39
ICFK-027.145.2,5	25,1	12340	4175	328	D	53	9770	3031	188	C	39
ICFK-041.145.2,5	37,6	13820	3852	340	D	53	10290	2542	190	C	39
ICFK-039.145.2,5	36,2	15390	4771	310	C	54	12580	3645	186	C	39
ICFK-029.150.2,5	27,1	16910	7327	610	E	50	12740	4786	248	C	42
ICFK-039.150.2,5	36,2	19000	6749	632	D	51	13960	4409	250	C	42
ICFK-059.150.2,5	54,2	21650	5874	656	D	52	15480	3878	265	C	42
ICFK-015.230.2,5	13,5	6520	2432	137	C	39	-	-	-	-	-
ICFK-019.230.2,5	18,0	7190	2226	141	C	40	-	-	-	-	-
ICFK-022.235.2,5	20,6	10970	4438	310	D	44	8240	2937	144	C	34
ICFK-030.235.2,5	27,5	12380	3994	316	D	44	9060	2634	147	C	34
ICFK-029.240.2,5	26,5	14980	6026	396	D	54	12260	4494	240	C	39
ICFK-038.240.2,5	35,4	16680	5496	410	D	54	13140	3980	244	C	39
ICFK-041.245.2,5	37,6	21790	8942	636	D	54	17810	6648	374	C	39
ICFK-054.245.2,5	50,1	25000	8350	656	D	53	19820	6062	376	C	39
ICFK-078.245.2,5	72,3	30870	9543	620	C	54	25230	7289	372	C	39
ICFK-059.250.2,5	54,2	34490	14653	1220	E	50	25950	9573	496	C	42
ICFK-078.250.2,5	72,3	39150	13497	1264	D	51	28760	8818	500	C	42
ICFK-117.250.2,5	108,5	43570	11747	1312	D	52	31150	7756	530	C	42
ICFK-057.340.2,5	53,0	25370	8244	615	D	54	20000	5970	366	C	39
ICFK-061.345.2,5	56,4	33050	13413	954	D	54	27030	9971	561	C	39
ICFK-081.345.2,5	75,2	37520	12525	984	D	53	29680	9093	564	C	39
ICFK-117.345.2,5	108,5	46140	14314	930	C	54	37660	10934	558	C	39
ICFK-088.350.2,5	81,4	50310	21980	1665	D	50	37790	14359	744	C	42
ICFK-117.350.2,5	108,5	59180	20246	1896	D	51	43510	13227	750	C	42
ICFK-175.350.2,5	162,7	65150	17621	1968	D	52	46520	11634	795	C	42
ICFK-076.2240.2,5	70,7	33360	10992	820	D	54	26280	7960	488	C	39
ICFK-108.2245.2,5	100,3	49460	16699	1312	D	53	39130	12125	752	C	39
ICFK-117.2250.2,5	108,5	67200	29607	2220	D	50	50470	19146	992	C	42
ICFK-156.2250.2,5	144,6	78300	26994	2528	D	51	57530	17636	1000	C	42
ICFK-234.2250.2,5	217,0	87140	23494	2624	D	52	62300	15512	1060	C	42
ICFK-162.2345.2,5	150,4	75040	25049	1968	D	53	59350	18187	1128	C	39
ICFK-234.2350.2,5	217,0	114170	40491	3792	D	51	83850	26453	1500	C	42

Model	Ölçüler / Dimensions								Bağlantılar Connections	
	Fan Çapı Fan Diameter	Boru Hacmi Tube Volume	Ağırlık Weight	L	H	D	A	B	Giriş In	Çıkış Out
	mm	l	kg	mm	mm	mm	mm	mm	mm	mm
ICFK-007.130.2,5	1x300	1,1	7	475	361	310	170	435	3/8"	3/8"
ICFK-010.130.2,5	1x300	1,5	8	490	361	310	170	435	5/8"	1/2"
ICFK-011.135.2,5	1x350	1,7	10	560	461	330	190	510	5/8"	1/2"
ICFK-015.135.2,5	1x350	2,3	12	560	461	330	190	510	5/8"	1/2"
ICFK-014.140.2,5	1x400	2,2	14	635	521	340	200	585	5/8"	1/2"
ICFK-019.140.2,5	1x400	3,0	16	635	521	340	200	585	19	5/8"
ICFK-020.145.2,5	1x450	3,2	19	727	621	360	220	685	22	19
ICFK-027.145.2,5	1x450	4,2	22	735	621	360	220	685	22	19
ICFK-041.145.2,5	1x450	6,4	29	727	621	400	260	685	22	19
ICFK-039.145.2,5	1x450	6,1	30	837	771	360	220	785	22	19
ICFK-029.150.2,5	1x500	4,3	25	837	771	360	220	785	22	19
ICFK-039.150.2,5	1x500	6,1	31	850	771	360	220	785	28	22
ICFK-059.150.2,5	1x500	9,2	40	850	771	400	260	785	28	22
ICFK-015.230.2,5	2x300	2,3	12	875	361	310	170	835	5/8"	1/2"
ICFK-019.230.2,5	2x300	3,0	14	880	361	310	170	835	5/8"	1/2"
ICFK-022.235.2,5	2x350	3,2	18	1040	461	330	190	985	22	19
ICFK-030.235.2,5	2x350	4,6	22	1040	461	330	190	985	22	19
ICFK-029.240.2,5	2x400	4,5	28	1190	521	340	200	1135	22	19
ICFK-038.240.2,5	2x400	6,0	32	1190	521	340	200	1135	22	19
ICFK-041.245.2,5	2x450	6,4	38	1387	621	360	220	1335	28	22
ICFK-054.245.2,5	2x450	7,9	43	1387	621	360	220	1335	28	22
ICFK-078.245.2,5	2x450	12,2	59	1600	771	360	220	1535	28	22
ICFK-059.250.2,5	2x500	9,0	50	1590	771	360	220	1535	28	22
ICFK-078.250.2,5	2x500	12,2	60	1600	771	360	220	1535	35	28
ICFK-117.250.2,5	2x500	18,3	76	1600	771	400	260	1535	35	28
ICFK-057.340.2,5	3x400	9,0	47	1755	521	340	200	1685	35	22
ICFK-061.345.2,5	3x450	9,5	55	2055	621	360	220	1985	35	22
ICFK-081.345.2,5	3x450	12,7	64	2055	621	360	220	1985	35	22
ICFK-117.345.2,5	3x450	18,3	87	2355	771	360	220	2285	35	22
ICFK-088.350.2,5	3x500	13,4	75	2347	771	360	220	2285	35	28
ICFK-117.350.2,5	3x500	18,3	88	2347	771	360	220	2285	42	28
ICFK-175.350.2,5	3x500	27,5	116	2360	771	400	260	2285	42	28
ICFK-076.2240.2,5	2x2x400	12,0	54	1220	1021	200	200	1135	35*	28*
ICFK-108.2245.2,5	2x2x450	17,0	76	1410	1221	360	220	1355	42*	28*
ICFK-117.2250.2,5	2x2x500	18,3	90	1617	1521	360	220	1535	42*	28*
ICFK-156.2250.2,5	2x2x500	24,5	107	1617	1521	360	220	1535	42*	35*
ICFK-234.2250.2,5	2x2x500	36,7	143	1617	1521	400	260	1535	42*	35*
ICFK-162.2345.2,5	2x3x450	25,4	111	2050	1221	360	220	1985	42*	35*
ICFK-234.2350.2,5	2x3x500	36,7	156	2365	1521	360	220	2285	42*	35*

\* Çift akışkan devreli imalat opsiyoneldir. \* Two refrigerant circuit available as optional.

ICFK Serisi Kondenseler / ICFK Series Condensers



Genel Özellikler / Specifications

Batarya	Evaporator Coil
<ul style="list-style-type: none"> <li>• Bakır borular <math>\varnothing 5/16"</math>, <math>\varnothing 3/8"</math>,</li> <li>• Fin malzemesi alüminyumdur,</li> <li>• Lamel arası 2,5 mm'dir,</li> <li>• Giriş-çıkış kolektör malzemesi bakırdır,</li> <li>• En yüksek çalışma basıncı <math>P_s = 32</math> Bar.</li> </ul>	<ul style="list-style-type: none"> <li>• Copper tubes <math>\varnothing 5/16"</math>, <math>\varnothing 3/8"</math>,</li> <li>• Fins made of aluminium,</li> <li>• Fin spacings are 2,5 mm,</li> <li>• Header inlet and outlet tube connections made of copper,</li> <li>• Admissible pressure <math>P_s = 32</math> Bar.</li> </ul>
Kasetleme	Casing
<ul style="list-style-type: none"> <li>• Galvaniz çelik üzerine RAL 7032 (çakıl taşı grisi) boyalıdır.</li> </ul>	<ul style="list-style-type: none"> <li>• Galvanized steel sheet painted to RAL 7032 (pebble gray)</li> </ul>
Fan	Fans
<ul style="list-style-type: none"> <li>• Düşük ses seviyeli ve bakım gerektirmeyen fanlar kullanılmaktadır,</li> <li>• Koruma sınıfı IP44/54, Monofaze 230V 1~50Hz,</li> <li>• Fan konstrüksiyonu izolasyon malzeme sınıfı F/B, çalışma sıcaklığı <math>-30^{\circ}\text{C}</math> ile <math>+40/+55^{\circ}\text{C}</math> arasındadır,</li> <li>• Aksiyel fanlar için saatte en fazla 6 kalkış yapması tavsiye edilir,</li> <li>• Kondenseler dış ortam şartları için ve hava tarafı harici basınç düşüşü olmayacağı dikkate alınarak tasarlanmıştır,</li> <li>• Uzun süreli bekleme durumları için fan motorları her ay 2 saat çalıştırılmalıdır,</li> <li>• Entegre edilmiş termistörler motor koruması için mutlaka kullanılmalıdır.</li> </ul>	<ul style="list-style-type: none"> <li>• Low-noise axial fans with maintenance free motors,</li> <li>• Protection class IP 44/54, single phase 230V 1~50Hz,</li> <li>• Construction insulation material class F/B, admissible temperature <math>-30^{\circ}\text{C}</math> up to <math>+40/+55^{\circ}\text{C}</math>,</li> <li>• Maximum start up recommended for axial fans is 6 per hour,</li> <li>• The condensers are designed for outdoor operation with no external pressure drops being considered,</li> <li>• In case of long periods of non operation the motors must be operated every month for 2 hours,</li> <li>• The integral thermo contacts (thermistors) must be used as motor protection,</li> </ul>
Kapasite	Capacity
<ul style="list-style-type: none"> <li>• Nominal kapasiteler Eurovent (EN327) standartları dikkate alınarak, kondenser sıcaklığı <math>T_c = 40^{\circ}\text{C}</math>, hava giriş sıcaklığı <math>T_{ai} = 25^{\circ}\text{C}</math>, sıcaklık farkı <math>\Delta t = 15\text{K}</math> ve deniz seviyesinde R404A gazı için hesaplanmıştır.</li> <li>• Kapasiteler aynı zamanda farklı ses seviyelerine göre hesaplanmıştır.</li> </ul>	<ul style="list-style-type: none"> <li>• The nominal capacities calculated according to Eurovent (EN 327) standards that refer to a condensation temperature <math>T_c = 40^{\circ}\text{C}</math> at an air inlet temperature <math>T_{ai} = 25^{\circ}\text{C}</math>, temperature difference <math>\Delta t = 15\text{K}</math>, height above sea level NN and are valid for R404A,</li> <li>• Capacities are calculated for different (düzeltim) noise levels.</li> </ul>
Seçenekler	Options
<ul style="list-style-type: none"> <li>• Çift akışkan devreli imalat,</li> <li>• Farklı dış kabin rengi,</li> <li>• Trifaze 400V 3~50Hz fan,</li> <li>• Katalogda belirtilmeyen özel ürünler için lütfen satış departmanı ile irtibata geçin.</li> </ul>	<ul style="list-style-type: none"> <li>• Two refrigerant circuit,</li> <li>• Different casing color,</li> <li>• Three phase 400v 3~50Hz fans,</li> <li>• Please keep in touch with our sales department about your special needs that are not mentioned in the catalogue.</li> </ul>
Notlar	Notes
<ul style="list-style-type: none"> <li>• Montaj, bakım-taşıma ve kaldırma detayları için kullanım kılavuzuna başvurunuz.</li> </ul>	<ul style="list-style-type: none"> <li>• Please check our user manual for installation, maintenance - carrying and lifting details.</li> </ul>
Aksesuarlar	Accessories
<ul style="list-style-type: none"> <li>• Pako Şalter.</li> </ul>	<ul style="list-style-type: none"> <li>• Repair Switch.</li> </ul>



# ICEK Series

ICEK Serisi Endüstriyel Kondenserler  
ICEK Series Industrial Condensers

i-cold ICEK Serisi Endüstriyel Kondanserleri, orta ve büyük kapasiteli soğutma sistemleri için enerji, ses seviyesi, ilk yatırım maliyeti ve işletim giderleri göz önünde tutularak tasarlanmıştır.

i-cold ICEK Series Industrial Condensers are designed for middle and big capacity refrigeration systems according to energy consumption, sound level, investment and operation costs.



**Endüstriyel Kondanser**  
Industrial Condenser

Ürün Tipi V: Dik H: Yatık  
Product Code V: Vertical H: Horizontal

Fan Yerleşimi (2x3: 2 sıra, her sırada 3 adet fan. Toplam 6 adet fan)  
Fans Placement (2x3: 2 rows, 3 pcs. fans per row. Total 6 pcs. fan)

Fan Kanat Çapı cm.  
Diameter of Impeller cm.

Batarya Kodu  
Coil Code

Lamel Arası (Hatve) mm.  
Fin Spacing mm.

**ICEK - H - 23 . 63 - B1 - 2,5 - N L Q E**

Normal Ses Düzeyi  
Normal Noise Level

Düşük Ses Düzeyi  
Low Noise Level

Oldukça Düşük (Sessiz) Ses Düzeyi  
Very Low (Quite) Noise Level

Ekstra Düşük (Sessiz) Ses Düzeyi  
Extra Low (Quite) Noise Level

**ÜRÜN SEÇİMİ / PRODUCT SELECTION**

Kompresör Elektrik Çekim Gücü Biliniyorsa

If power input of compressor is known

ICEK Serisi Kondanser Seçimi	1	ICEK Series Condenser Selection
Kompresör kapasitesi	Q <sub>e</sub> : 102000 Watt	Refrigeration Capacity
Kompresör elektrik çekim gücü	P <sub>i</sub> : 47000 Watt	Evaporation temperature (TE)
Kondansasyon sıcaklığı (T <sub>c</sub> )	50°C	Condensation temperature (Tc)
Hava giriş sıcaklığı (T <sub>ai</sub> )	40°C	Air inlet temperature (T <sub>ai</sub> )
Rakım (metre)	400	Altitude (meter)
Soğutucu akışkan	404A	Refrigerant
Lamel malzemesi	Al	Fin material
<b>Q<sub>nc</sub> = (Q<sub>e</sub> + P<sub>i</sub>) X f<sub>ai</sub> X f<sub>r</sub> X f<sub>h</sub> X f<sub>m</sub></b>		
<b>Q<sub>nc</sub> = 242000 Watt</b>		
Seçilen Kondanser	ICEK-V/H-22.80-B4-2.1-N 237260 Watt	Selected condenser
5 metre mesafeden ses düzeyi	59+6=65 dB(A)	Noise level at 5 meter

Kompresör Elektrik Çekim Gücü Biliniyorsa

If power input of compressor is unknown

ICEK Serisi Kondanser Seçimi	2	ICEK Series Condenser Selection
Kompresör kapasitesi	Q <sub>e</sub> : 102000 Watt	Refrigeration Capacity
Evaporasyon sıcaklığı (T <sub>e</sub> )	-10°C	Evaporation temperature (TE)
Kondansasyon sıcaklığı (T <sub>c</sub> )	50°C	Condensation temperature (Tc)
Hava giriş sıcaklığı (T <sub>ai</sub> )	40°C	Air inlet temperature (T <sub>ai</sub> )
Kompresör tipi	Semi Hermetik / Semi Hermetic	Compressor type
Rakım (metre)	400	Altitude (meter)
Soğutucu akışkan	404A	Refrigerant
Lamel malzemesi	Al	Fin material
<b>Q<sub>c</sub> = Q<sub>e</sub> X f<sub>d</sub> X f<sub>ai</sub> X f<sub>r</sub> X f<sub>h</sub> X f<sub>m</sub>      Q<sub>c</sub> = Q<sub>e</sub> X f<sub>p</sub></b>		
<b>Q<sub>c</sub> = 102000 x 1,42 = 145000 Watt      Q<sub>nc</sub> = 145000 x ( 15 / (50-40) ) x 1,053 x 1 x 1,026 x 1</b>		
<b>Q<sub>nc</sub> = 235000 Watt</b>		
Seçilen Kondanser	ICEK-V/H-22.80-B4-2.1-N 237260 Watt	Selected condenser
5 metre mesafeden ses düzeyi	59+6=65 dB(A)	Noise level at 5 meter

Δ Düzeltme faktörü f<sub>d</sub> = 15 / (T<sub>c</sub> - T<sub>ai</sub>) Δ correction factor

f<sub>p</sub> Hermetik - Yarı Hermetik Kompresör için f<sub>p</sub> / f<sub>p</sub> for Hermetic and Semi-Hermetic Compressor

Evaporasyon Sıcaklığı / °C Evaporation Temperature	-40	-35	-30	-25	-20	-15	-10	-5	0	5	10
35	1,68	1,60	1,53	1,47	1,41	1,35	1,31	1,27	1,23	1,19	1,14
40	1,77	1,66	1,58	1,51	1,44	1,39	1,34	1,29	1,25	1,21	1,18
45	1,88	1,74	1,63	1,55	1,48	1,43	1,38	1,33	1,29	1,24	1,21
50	2,04	1,86	1,72	1,62	1,54	1,48	1,42	1,37	1,33	1,28	1,24
55	2,28	2,08	1,90	1,75	1,62	1,53	1,46	1,41	1,37	1,32	1,25

f<sub>p</sub> Açık Kompresör için f<sub>p</sub> / f<sub>p</sub> for Open Compressor

Evaporasyon Sıcaklığı / °C Evaporation Temperature	-40	-35	-30	-25	-20	-15	-10	-5	0	5	10
35	1,46	1,41	1,36	1,32	1,28	1,25	1,21	1,18	1,15	1,13	1,10
45	1,56	1,50	1,45	1,40	1,36	1,32	1,28	1,24	1,21	1,18	1,15
55	1,68	1,62	1,55	1,50	1,45	1,40	1,35	1,31	1,28	1,24	1,21

Hava Giriş Sıcaklığı Düzeltme Katsayısı / Air Inlet Correction Factor

°C	15	20	25	30	35	40	45	50
f <sub>ai</sub>	0,971	0,981	1	1,010	1,031	1,053	1,064	1,075

Rakım Düzeltme Katsayısı / Installation Altitude Correction Factor

H	0	200	400	600	800	1000	1500	2000
f <sub>h</sub>	1	1,011	1,026	1,042	1,064	1,075	1,124	1,176

Ses Basınç Seviyesinin Mesafeye Göre Değişimi / Sound Pressure Level Change with Respect to Distance

	1m	3m	5m	10m	30m	50m	100m
DB(A)	1	1,011	1,026	1,042	1,064	1,075	1,124

Soğutucu Akışkan Düzeltme Katsayısı / Refrigerant Correction Factor

	R134a	R22	R404	R507	R407A	R407C
f <sub>r</sub>	1,08	1,04	1	1	1,20	1,15

Malzeme Düzeltme Katsayısı / Fin Material Correction Factor

	Alüminyum Aluminium (Al)	Kaplamalı Alüminyum Coated Aluminium (Al Pc)	Bakır Copper (Cu)
f <sub>m</sub>	1	1,03	0,97

Fan Sayısına Bağlı Olarak Ses Basınç Seviyelerindeki Artış / Sum of Noise Powers in case of Several Fans

Adet Pieces	1	2	3	4	5	6	10	12
dB(A)	0	3	5	6	7	8	10	11

\* Birden fazla ürünün kullanılması durumunda \* In case of several units of the same size

Model	Isı transfer yüzeyi Heat Transfer Surface m <sup>2</sup>	Boru Hacmi Tube Volume l	Fan Sayısı Number of Fans Ad/Pcs	ICEK N 1~230V 50Hz 1400rpm					ICEK L 3~400V - Δ 50Hz 950rpm				
				Kapasite Capacity Watt	Hava Debisi Air Flow m <sup>3</sup> /h	Fan Elektrik Gücü Power Consumption Watt	Enerji Sınıfı Energy Efficiency Class A - E	Ses Seviyesi Sound Pressure Level dB(A)	Kapasite Capacity Watt	Hava Debisi Air Flow m <sup>3</sup> /h	Fan Elektrik Gücü Power Consumption Watt	Enerji Sınıfı Energy Efficiency Class A - E	Ses Seviyesi Sound Pressure Level dB(A)
				ΔT= 15K	ΔT= 15K	P <sub>el</sub> Total	10 m	ΔT= 15K	ΔT= 15K	P <sub>el</sub> Total	10 m		
ICEK-11.50-B1-2.1	36.3	5.2	1x1	20	7538	0.66	D	51	15	4860	0.17	C	42
ICEK-11.50-B2-2.1	48.3	7.0	1x1	23	6983	0.64	D	51	16	4567	0.17	C	43
ICEK-12.50-B1-2.1	72.5	10.4	1x2	40	15075	1.32	D	54	29	9721	0.34	C	45
ICEK-12.50-B2-2.1	96.7	13.9	1x2	45	13966	1.28	D	54	33	9135	0.34	C	46
ICEK-13.50-B1-2.1	108.8	15.7	1x3	60	22613	1.98	D	56	44	14581	0.50	C	47
ICEK-13.50-B2-2.1	145.0	20.9	1x3	66	20949	1.92	D	56	48	13702	0.51	C	48
ICEK-14.50-B1-2.1	145.0	20.9	1x4	81	30150	2.64	D	57	60	19442	0.67	C	48
ICEK-14.50-B2-2.1	193.4	27.8	1x4	91	27932	2.56	D	57	66	18270	0.68	C	49
ICEK-21.50-B1-2.1	72.5	10.4	2x1	40	15075	1.32	D	54	29	9721	0.34	D	47
ICEK-21.50-B2-2.1	96.7	13.9	2x1	45	13966	1.28	D	54	33	9135	0.34	C	45
ICEK-22.50-B1-2.1	145.0	20.9	2x2	79	30150	2.64	D	57	58	19442	0.67	C	49
ICEK-22.50-B2-2.1	193.4	27.8	2x2	90	27932	2.56	D	57	66	18270	0.68	C	48
ICEK-23.50-B1-2.1	217.5	31.3	2x3	119	45225	3.96	D	59	87	29163	1.01	C	51
ICEK-23.50-B2-2.1	290.1	41.7	2x3	133	41897	3.84	D	59	96	27405	1.02	C	50
ICEK-24.50-B1-2.1	290.1	41.7	2x4	163	60301	5.28	D	60	120	38883	1.34	C	52
ICEK-24.50-B2-2.1	386.7	55.6	2x4	181	55863	5.12	D	60	131	36540	1.36	C	52

Model	Isı transfer yüzeyi Heat Transfer Surface m <sup>2</sup>	Boru Hacmi Tube Volume l	Fan Sayısı Number of Fans Ad/Pcs	ICEK Q 3~400V - Y 50Hz 800rpm					ICEK Q				
				Kapasite Capacity Watt	Hava Debisi Air Flow m <sup>3</sup> /h	Fan Elektrik Gücü Power Consumption Watt	Enerji Sınıfı Energy Efficiency Class A - E	Ses Seviyesi Sound Pressure Level dB(A)	Kapasite Capacity Watt	Hava Debisi Air Flow m <sup>3</sup> /h	Fan Elektrik Gücü Power Consumption Watt	Enerji Sınıfı Energy Efficiency Class A - E	Ses Seviyesi Sound Pressure Level dB(A)
				ΔT= 15K	ΔT= 15K	P <sub>el</sub> Total	10 m	ΔT= 15K	ΔT= 15K	P <sub>el</sub> Total	10 m		
ICEK-11.50-B1-2.1	36.3	5.2	1x1	13	4205	0.17	B	40	-	-	-	-	-
ICEK-11.50-B2-2.1	48.3	7.0	1x1	15	4635	0.17	B	39	-	-	-	-	-
ICEK-12.50-B1-2.1	72.5	10.4	1x2	27	8610	0.34	B	43	-	-	-	-	-
ICEK-12.50-B2-2.1	96.7	13.9	1x2	30	8010	0.34	B	42	-	-	-	-	-
ICEK-13.50-B1-2.1	108.8	15.7	1x3	40	12915	0.50	B	45	-	-	-	-	-
ICEK-13.50-B2-2.1	145.0	20.9	1x3	43	12014	0.51	B	44	-	-	-	-	-
ICEK-14.50-B1-2.1	145.0	20.9	1x4	55	17220	0.67	B	46	-	-	-	-	-
ICEK-14.50-B2-2.1	193.4	27.8	1x4	59	16019	0.68	B	45	-	-	-	-	-
ICEK-21.50-B1-2.1	72.5	10.4	2x1	27	8610	0.34	B	43	-	-	-	-	-
ICEK-21.50-B2-2.1	96.7	13.9	2x1	30	8010	0.34	B	42	-	-	-	-	-
ICEK-22.50-B1-2.1	145.0	20.9	2x2	53	17220	0.67	B	46	-	-	-	-	-
ICEK-22.50-B2-2.1	193.4	27.8	2x2	58	16019	0.68	B	45	-	-	-	-	-
ICEK-23.50-B1-2.1	217.5	31.3	2x3	80	25830	1.01	B	48	-	-	-	-	-
ICEK-23.50-B2-2.1	290.1	41.7	2x3	87	24029	1.02	B	47	-	-	-	-	-
ICEK-24.50-B1-2.1	290.1	41.7	2x4	110	34440	1.34	B	49	-	-	-	-	-
ICEK-24.50-B2-2.1	386.7	55.6	2x4	118	32038	1.36	B	48	-	-	-	-	-

Model	Isı transfer yüzeyi Heat Transfer Surface m <sup>2</sup>	Boru Hacmi Tube Volume l	Fan Sayısı Number of Fans Ad/Pcs	ICEK N 1~230V 50Hz 860rpm					ICEK L 3~400V - Δ 50Hz 660rpm				
				Kapasite Capacity Watt	Hava Debisi Air Flow m <sup>3</sup> /h	Fan Elektrik Gücü Power Consumption Watt	Enerji Sınıfı Energy Efficiency Class A - E	Ses Seviyesi Sound Pressure Level dB(A)	Kapasite Capacity Watt	Hava Debisi Air Flow m <sup>3</sup> /h	Fan Elektrik Gücü Power Consumption Watt	Enerji Sınıfı Energy Efficiency Class A - E	Ses Seviyesi Sound Pressure Level dB(A)
				ΔT= 15K	ΔT= 15K	P <sub>el</sub> Total	10 m	ΔT= 15K	ΔT= 15K	P <sub>el</sub> Total	10 m		
ICEK-11.63-B1-2.1	56.7	8.2	1x1	26	8902	0.54	C	45	21	6618	0.19	B	40
ICEK-11.63-B2-2.1	75.5	10.9	1x1	28	8367	0.57	C	46	23	6221	0.19	B	40
ICEK-12.63-B1-2.1	113.3	16.3	1x2	52	17803	1.08	C	48	42	13235	0.37	B	43
ICEK-12.63-B2-2.1	151.1	21.7	1x2	58	16734	1.04	C	49	46	12442	0.38	B	43
ICEK-13.63-B1-2.1	170.0	24.5	1x3	78	26705	1.62	C	50	63	19853	0.56	B	45
ICEK-13.63-B2-2.1	226.6	32.6	1x3	87	25303	1.71	C	51	69	18662	0.56	B	45
ICEK-14.63-B1-2.1	226.6	31.9	1x4	106	35606	2.36	C	51	85	26470	0.74	B	46
ICEK-14.63-B2-2.1	302.1	42.5	1x4	117	33468	2.28	C	52	93	24883	0.75	B	46
ICEK-15.63-B1-2.1	355.7	58.9	1x5	141	43840	2.79	C	52	114	32559	0.93	B	47
ICEK-15.63-B2-2.1	474.2	78.5	1x5	154	41119	2.85	C	53	121	30509	0.94	B	47
ICEK-16.63-B1-2.1	426.8	70.7	1x6	170	52607	3.24	C	53	137	39070	1.11	B	48
ICEK-16.63-B2-2.1	569.1	94.2	1x6	185	49343	3.42	C	54	146	36610	1.13	B	48
ICEK-21.63-B1-2.1	113.3	16.3	2x1	54	17803	1.08	C	49	42	13235	0.37	B	43
ICEK-21.63-B2-2.1	151.1	21.7	2x1	59	16734	1.04	C	51	45	12442	0.38	B	43
ICEK-22.63-B1-2.1	226.6	32.6	2x2	104	35606	2.36	C	52	84	26470	0.74	B	46
ICEK-22.63-B2-2.1	302.1	42.5	2x2	117	33468	2.28	C	54	93	24883	0.75	B	46
ICEK-23.63-B1-2.1	339.9	48.9	2x3	157	53409	3.24	C	54	126	39705	1.11	B	48
ICEK-23.63-B2-2.1	453.2	65.2	2x3	171	50202	3.42	C	55	137	37325	1.13	B	48
ICEK-24.63-B1-2.1	453.2	63.8	2x4	211	71212	4.32	C	55	171	52940	1.48	B	49
ICEK-24.63-B2-2.1	604.5	85.1	2x4	231	66936	4.56	C	57	186	49766	1.50	B	49
ICEK-25.63-B1-2.1	711.4	117.8	2x5	283	87679	5.40	C	58	227	65117	1.85	B	50
ICEK-25.63-B2-2.1	948.5	157.1	2x5	307	82238	5.76	C	58	242	61017	1.88	B	50
ICEK-26.63-B1-2.1	853.6	141.4	2x6	339	105215	6.48	C	59	274	78141	2.22	B	51
ICEK-26.63-B2-2.1	1138.2	188.5	2x6	369	98683	6.84	C	59	292	73221	2.26	B	51

Model	Isı transfer yüzeyi Heat Transfer Surface m <sup>2</sup>	Boru Hacmi Tube Volume l	Fan Sayısı Number of Fans Ad/Pcs	ICEK N 3~400V - Y 50Hz 520rpm					ICEK L				
				Kapasite Capacity Watt	Hava Debisi Air Flow m <sup>3</sup> /h	Fan Elektrik Gücü Power Consumption Watt	Enerji Sınıfı Energy Efficiency Class A - E	Ses Seviyesi Sound Pressure Level dB(A)	Kapasite Capacity Watt	Hava Debisi Air Flow m <sup>3</sup> /h	Fan Elektrik Gücü Power Consumption Watt	Enerji Sınıfı Energy Efficiency Class A - E	Ses Seviyesi Sound Pressure Level dB(A)
				ΔT= 15K	ΔT= 15K	P <sub>el</sub> Total	10 m	ΔT= 15K	ΔT= 15K	P <sub>el</sub> Total	10 m		
ICEK-11.63-B1-2.1	56.7	8.2	1x1	18	5255	0.19	B	35	-	-	-	-	-
ICEK-11.63-B2-2.1	75.5	10.9	1x1	18	4860	0.19	B	35	-	-	-	-	-
ICEK-12.63-B1-2.1	113.3	16.3	1x2	35	10509	0.37	B	38	-	-	-	-	-
ICEK-12.63-B2-2.1	151.1	21.7	1x2	37	9721	0.38	B	38	-	-	-	-	-
ICEK-13.63-B1-2.1	170.0	24.5	1x3	53	15764	0.56	B	40	-	-	-	-	-
ICEK-13.63-B2-2.1	226.6	32.6	1x3	56	14581	0.56	B	40	-	-	-	-	-
ICEK-14.63-B1-2.1	226.6	31.9	1x4	72	21018	0.74	B	41	-	-	-	-	-
ICEK-14.63-B2-2.1	302.1	42.5	1x4	76	19441	0.75	B	41	-	-	-	-	-
ICEK-15.63-B1-2.1	355.7	58.9	1x5	95	25747	0.93	B	42	-	-	-	-	-
ICEK-15.63-B2-2.1	474.2	78.5	1x5	98	23776	0.94	B	42	-	-	-	-	-
ICEK-16.63-B1-2.1	426.8	70.7	1x6	114	30897	1.11	B	43	-	-	-	-	-
ICEK-16.63-B2-2.1	569.1	94.2	1x6	119	28571	1.11	B	43	-	-	-	-	-
ICEK-21.63-B1-2.1	113.3	16.3	2x1	35	10509	0.37	B	38	-	-	-	-	-
ICEK-21.63-B2-2.1	151.1	21.7	2x1	37	9721	0.38	B	38	-	-	-	-	-
ICEK-22.63-B1-2.1	226.6	32.6	2x2	71	21018	0.74	B	41	-	-	-	-	-
ICEK-22.63-B2-2.1	302.1	42.5	2x2	76	19441	0.75	B	41	-	-	-	-	-
ICEK-23.63-B1-2.1	339.9	48.9	2x3	108	31528	1.11	B	43	-	-	-	-	-
ICEK-23.63-B2-2.1	453.2	65.2	2x3	113	29162	1.11	B	43	-	-	-	-	-
ICEK-24.63-B1-2.1	453.2	63.8	2x4	144	42037	1.48	B	44	-	-	-	-	-
ICEK-24.63-B2-2.1	604.5	85.1	2x4	153	38882	1.50	B	44	-	-	-	-	-
ICEK-25.63-B1-2.1	711.4	117.8	2x5	190	51495	1.85	B	45	-	-	-	-	-
ICEK-25.63-B2-2.1	948.5	157.1	2x5	197	47951	1.88	B	45	-	-	-	-	-
ICEK-26.63-B1-2.1	853.6	141.4	2x6	229	61793	2.22	B	46	-	-	-	-	-
ICEK-26.63-B2-2.1	1138.2	188.5	2x6	237	57904	2.26	B	46	-	-	-	-	-

Model	ICEK N 3~400V - Δ 50Hz 880rpm								ICEK L 3~400V - Δ 50Hz 670rpm				
	Isı transfer yüzeyi Heat Transfer Surface	Boru Hacmi Tube Volume	Fan Sayısı Number of Fans	Kapasite Capacity ΔT= 15K	Hava Debisi Air Flow	Fan Elektrik Cüçü Power Consumption P <sub>el</sub> Total	Enerji Sınıfı Energy Efficiency Class	Ses Seviyesi Sound Pressure Level 10 m	Kapasite Capacity ΔT= 15K	Hava Debisi Air Flow	Fan Elektrik Cüçü Power Consumption P <sub>el</sub> Total	Enerji Sınıfı Energy Efficiency Class	Ses Seviyesi Sound Pressure Level 10 m
	m <sup>2</sup>	l	Ad/Pcs	Watt	m <sup>3</sup> /h	Watt	A - E	dB(A)	Watt	m <sup>3</sup> /h	Watt	A - E	dB(A)
ICEK-11.80-B1-2.1	81.6	11.7	1x1	49	19212	1.70	E	53	41	14762	0.34	D	47
ICEK-11.80-B2-2.1	108.8	15.7	1x1	55	17965	1.80	D	55	44	13495	0.34	D	48
ICEK-11.80-B3-2.1	95.2	13.7	1x1	54	20214	1.65	D	52	45	15661	0.34	D	47
ICEK-11.80-B4-2.1	126.9	18.3	1x1	61	19093	1.70	D	53	50	14670	0.34	C	47
ICEK-12.80-B1-2.1	163.2	23.5	1x2	97	38424	3.40	E	56	81	29525	0.68	D	50
ICEK-12.80-B2-2.1	217.5	31.3	1x2	100	35993	3.60	D	58	89	26990	0.68	D	51
ICEK-12.80-B3-2.1	190.3	27.4	1x2	107	40427	3.30	D	55	90	31322	0.68	D	50
ICEK-12.80-B4-2.1	253.8	36.5	1x2	121	38186	3.40	D	56	100	29340	0.68	C	50
ICEK-13.80-B1-2.1	244.7	35.2	1x3	149	57637	5.10	D	58	125	44287	1.02	D	52
ICEK-13.80-B2-2.1	326.3	47.0	1x3	169	53989	5.40	D	60	137	40486	1.02	D	53
ICEK-13.80-B3-2.1	285.5	40.2	1x3	162	60641	4.95	D	57	137	46983	1.02	D	52
ICEK-13.80-B4-2.1	380.7	53.6	1x3	184	57229	5.10	D	58	152	44011	1.02	C	52
ICEK-14.80-D1-2.1	384.1	63.6	1x4	213	72653	6.80	D	59	175	54718	1.36	D	53
ICEK-14.80-D2-2.1	512.2	84.8	1x4	232	66592	7.52	D	61	184	49281	1.36	D	53
ICEK-14.80-D3-2.1	448.2	74.2	1x4	232	77040	7.20	D	61	194	59234	1.36	D	53
ICEK-14.80-D4-2.1	597.6	99.0	1x4	257	72176	7.40	D	61	206	54257	1.36	C	53
ICEK-15.80-D1-2.1	480.2	79.5	1x5	264	90816	8.50	D	60	218	68398	1.70	D	54
ICEK-15.80-D2-2.1	640.2	106.0	1x5	289	83127	9.40	D	62	231	61601	1.70	D	54
ICEK-15.80-D3-2.1	560.2	92.8	1x5	283	96300	9.00	D	62	238	74042	1.70	D	54
ICEK-15.80-D4-2.1	746.9	123.7	1x5	315	90220	9.25	D	62	256	67822	1.70	D	54
ICEK-16.80-D1-2.1	576.2	95.4	1x6	319	108979	10.20	D	61	263	82077	2.04	D	55
ICEK-16.80-D2-2.1	768.3	127.2	1x6	348	99752	11.28	D	63	278	73921	2.04	D	55
ICEK-16.80-D3-2.1	672.2	111.3	1x6	345	115559	10.80	D	63	289	88851	2.04	D	55
ICEK-16.80-D4-2.1	896.3	148.4	1x6	383	108264	11.30	D	63	309	81386	2.04	C	55
ICEK-21.80-B1-2.1	156.4	22.2	2x1	95	37828	3.40	E	56	79	29018	0.64	D	50
ICEK-21.80-B2-2.1	208.5	30.0	2x1	107	35206	3.60	D	58	86	26289	0.68	D	50
ICEK-21.80-B3-2.1	182.4	25.9	2x1	105	39926	3.30	D	55	88	30861	0.68	D	50
ICEK-21.80-B4-2.1	243.2	35.0	2x1	118	37990	3.40	D	56	97	28788	0.68	D	50
ICEK-22.80-B1-2.1	312.7	44.3	2x2	189	75657	6.80	E	59	158	58036	1.36	D	53
ICEK-22.80-B2-2.1	417.0	60.0	2x2	214	70412	7.20	D	61	172	52599	1.36	D	53
ICEK-22.80-B3-2.1	364.8	51.7	2x2	210	79853	6.60	D	58	176	61722	1.36	D	53
ICEK-22.80-B4-2.1	486.4	70.0	2x2	237	75180	6.80	D	59	195	57575	1.36	D	53
ICEK-23.80-B1-2.1	469.1	66.5	2x3	291	113485	10.20	D	61	244	87054	2.04	D	55
ICEK-23.80-B2-2.1	625.4	90.0	2x3	329	105617	10.80	D	63	266	78898	2.04	D	55
ICEK-23.80-B3-2.1	547.3	75.9	2x3	316	119779	9.90	D	60	267	92583	2.04	D	55
ICEK-23.80-B4-2.1	729.7	102.7	2x3	360	112770	10.20	D	61	297	86362	2.04	C	55
ICEK-24.80-D1-2.1	768.3	127.2	2x4	427	145305	13.60	D	62	350	109436	2.72	D	56
ICEK-24.80-D2-2.1	1024.4	169.6	2x4	464	133003	15.04	D	64	369	98562	2.72	D	56
ICEK-24.80-D3-2.1	896.3	148.4	2x4	465	154079	14.40	D	64	388	118468	2.72	D	56
ICEK-24.80-D4-2.1	1195.1	197.9	2x4	513	144352	14.80	D	64	412	108515	2.72	C	56
ICEK-25.80-D1-2.1	960.4	159.0	2x5	527	181632	17.00	D	63	437	136795	3.40	D	57
ICEK-25.80-D2-2.1	1280.5	212.1	2x5	578	168254	18.80	D	65	462	123202	3.40	D	57
ICEK-25.80-D3-2.1	1120.4	185.6	2x5	566	192599	18.00	D	65	477	148084	3.40	D	57
ICEK-25.80-D4-2.1	1493.9	247.4	2x5	630	180440	18.50	D	65	511	135943	3.40	C	57
ICEK-26.80-D1-2.1	1152.4	190.9	2x6	639	217958	20.40	D	64	526	164154	4.08	D	58
ICEK-26.80-D2-2.1	1536.6	254.5	2x6	697	199505	22.56	D	66	595	147843	4.08	D	58
ICEK-26.80-D3-2.1	1344.5	222.7	2x6	691	231119	21.60	D	66	579	177701	4.08	D	58
ICEK-26.80-D4-2.1	1792.7	296.9	2x6	765	216528	22.20	D	66	618	162772	4.08	C	58

Model	ICEK Q 3~400V - Δ 50Hz 435rpm								ICEK E 3~400V - Y 50Hz 340rpm				
	Isı transfer yüzeyi Heat Transfer Surface	Boru Hacmi Tube Volume	Fan Sayısı Number of Fans	Kapasite Capacity ΔT= 15K	Hava Debisi Air Flow	Fan Elektrik Cüçü Power Consumption P <sub>el</sub> Total	Enerji Sınıfı Energy Efficiency Class	Ses Seviyesi Sound Pressure Level 10 m	Kapasite Capacity ΔT= 15K	Hava Debisi Air Flow	Fan Elektrik Cüçü Power Consumption P <sub>el</sub> Total	Enerji Sınıfı Energy Efficiency Class	Ses Seviyesi Sound Pressure Level 10 m
	m <sup>2</sup>	l	Ad/Pcs	Watt	m <sup>3</sup> /h	Watt	A - E	dB(A)	Watt	m <sup>3</sup> /h	Watt	A - E	dB(A)
ICEK-11.80-B1-2.1	81.6	11.7	1x1	28	8681	0.34	B	35	21	6625	0.19	A	29
ICEK-11.80-B2-2.1	108.8	15.7	1x1	29	7936	0.34	B	35	-	-	-	-	-
ICEK-11.80-B3-2.1	95.2	13.7	1x1	31	9251	0.34	B	35	26	7382	0.19	A	29
ICEK-11.80-B4-2.1	126.9	18.3	1x1	31	8632	0.34	B	35	-	-	-	-	-
ICEK-12.80-B1-2.1	163.2	23.5	1x2	55	17165	0.68	B	38	46	13650	0.38	A	32
ICEK-12.80-B2-2.1	217.5	31.3	1x2	59	15876	0.68	B	38	-	-	-	-	-
ICEK-12.80-B3-2.1	190.3	27.4	1x2	61	18562	0.68	B	38	51	14764	0.38	A	32
ICEK-12.80-B4-2.1	253.8	36.5	1x2	66	17264	0.68	B	38	-	-	-	-	-
ICEK-13.80-B1-2.1	244.7	35.2	1x3	86	26044	1.02	B	40	71	20476	0.57	A	34
ICEK-13.80-B2-2.1	326.3	47.0	1x3	91	23815	1.02	B	40	-	-	-	-	-
ICEK-13.80-B3-2.1	285.5	40.2	1x3	94	27753	1.02	B	40	79	22145	0.57	A	34
ICEK-13.80-B4-2.1	380.7	53.6	1x3	101	25895	1.02	B	40	-	-	-	-	-
ICEK-14.80-D1-2.1	384.1	63.6	1x4	118	32248	1.36	B	41	96	24889	0.76	A	35
ICEK-14.80-D2-2.1	512.2	84.8	1x4	120	29078	1.36	B	41	-	-	-	-	-
ICEK-14.80-D3-2.1	448.2	74.2	1x4	130	34923	1.36	B	41	107	27466	0.76	A	35
ICEK-14.80-D4-2.1	597.6	99.0	1x4	133	31921	1.36	B	41	-	-	-	-	-
ICEK-15.80-D1-2.1	480.2	79.5	1x5	148	40310	1.70	B	42	120	31111	0.95	A	36
ICEK-15.80-D2-2.1	640.2	106.0	1x5	151	36347	1.70	B	42	-	-	-	-	-
ICEK-15.80-D3-2.1	560.2	92.8	1x5	162	43654	1.70	B	42	134	34358	0.95	A	36
ICEK-15.80-D4-2.1	746.9	123.7	1x5	167	39939	1.70	B	42	-	-	-	-	-
ICEK-16.80-D1-2.1	576.2	95.4	1x6	177	48372	2.04	B	43	144	37333	1.14	A	37
ICEK-16.80-D2-2.1	768.3	127.2	1x6	180	43616	2.04	B	43	-	-	-	-	-
ICEK-16.80-D3-2.1	672.2	111.3	1x6	195	52385	2.04	B	43	161	41230	1.14	A	37
ICEK-16.80-D4-2.1	896.3	148.4	1x6	201	47926	2.04	B	43	-	-	-	-	-
ICEK-21.80-B1-2.1	156.4	22.2	2x1	54	17016	0.64	B	38	45	13279	0.38	A	32
ICEK-21.80-B2-2.1	208.5	30.0	2x1	57	15480	0.68	B	38	-	-	-	-	-
ICEK-21.80-B3-2.1	182.4	25.9	2x1	60	18295	0.68	B	38	50	14485	0.38	A	32
ICEK-21.80-B4-2.1	243.2	35.0	2x1	64	16867	0.68	B	38	-	-	-	-	-
ICEK-22.80-B1-2.1	312.7	44.3	2x2	108	34032	1.36	B	41	89	26559	0.76	A	35
ICEK-22.80-B2-2.1	417.0	60.0	2x2	114	30960	1.36	B	41	-	-	-	-	-
ICEK-22.80-B3-2.1	364.8	51.7	2x2	120	36409	1.36	B	41	100	28970	0.76	A	35
ICEK-22.80-B4-2.1	486.4	70.0	2x2	128	32734	1.36	B	41	-	-	-	-	-
ICEK-23.80-B1-2.1	469.1	66.5	2x3	167	51047	2.04	B	43	138	39838	1.14	A	37
ICEK-23.80-B2-2.1	625.4	90.0	2x3	177	46440	2.04	B	43	-	-	-	-	-
ICEK-23.80-B3-2.1	547.3	75.9	2x3	184	54614	2.04	B	43	154	43456	1.14	A	37
ICEK-23.80-B4-2.1	729.7	102.7	2x3	196	50604	2.04	B	43	-	-	-	-	-
ICEK-24.80-D1-2.1	768.3	127.2	2x4	235	64496	2.72	B	44	191	49778	1.52	A	38
ICEK-24.80-D2-2.1	1024.4	169.6	2x4	239	58355	2.72	B	44	-	-	-	-	-
ICEK-24.80-D3-2.1	896.3	148.4	2x4	260	68847	2.72	B	44	215	54972	1.52	A	38
ICEK-24.80-D4-2.1	1195.1	197.9	2x4	267	63962	2.72	B	44	-	-	-	-	-
ICEK-25.80-D1-2.1	960.4	159.0	2x5										

Model	ICEK N 1~230V 50Hz 1300rpm								ICEK L 3~400V - Δ 50Hz 930rpm				
	Isı transfer yüzeyi Heat Transfer Surface	Boru Hacmi Tube Volume	Fan Sayısı Number of Fans	Kapasite Capacity ΔT= 15K	Hava Debisi Air Flow	Fan Elektrik Cüçü Power Consumption P <sub>el</sub> Total	Enerji Sınıfı Energy Efficiency Class	Ses Seviyesi Sound Pressure Level 10 m	Kapasite Capacity ΔT= 15K	Hava Debisi Air Flow	Fan Elektrik Cüçü Power Consumption P <sub>el</sub> Total	Enerji Sınıfı Energy Efficiency Class	Ses Seviyesi Sound Pressure Level 10 m
	m <sup>2</sup>	l	Ad/Pcs	Watt	m <sup>3</sup> /h	Watt	A - E	dB(A)	Watt	m <sup>3</sup> /h	Watt	A - E	dB(A)
ICEK-11.50-B1-2.5	39.8	5.2	1x1	18	7725	0.60	D	51	14	4965	0.24	C	43
ICEK-11.50-B2-2.5	41.1	7.0	1x1	21	7194	0.62	D	50	16	4683	0.25	C	42
ICEK-12.50-B1-2.5	61.7	10.4	1x2	37	15450	1.20	D	54	27	9930	0.48	C	46
ICEK-12.50-B2-2.5	62.2	13.9	1x2	43	14388	1.24	D	53	31	9365	0.50	C	45
ICEK-13.50-B1-2.5	92.5	15.7	1x3	55	23175	1.80	D	56	41	14895	0.72	C	48
ICEK-13.50-B2-2.5	121.4	20.9	1x3	63	21382	1.86	D	55	46	14048	0.75	C	47
ICEK-14.50-B1-2.5	123.4	20.9	1x4	75	30900	2.40	D	57	56	19860	0.96	C	49
ICEK-14.50-B2-2.5	164.5	27.8	1x4	85	28775	2.48	D	56	62	18710	1.00	C	48
ICEK-21.50-B1-2.5	61.7	10.4	2x1	37	15450	1.20	D	54	27	9930	0.48	C	46
ICEK-21.50-B2-2.5	62.2	13.9	2x1	43	14388	1.24	D	53	31	9365	0.50	C	45
ICEK-22.50-B1-2.5	123.4	20.9	2x2	73	30900	2.40	D	57	54	19860	0.96	C	49
ICEK-22.50-B2-2.5	164.5	27.8	2x2	85	28775	2.48	D	56	62	18710	1.00	C	48
ICEK-23.50-B1-2.5	185.1	31.3	2x3	110	46350	3.60	D	59	81	29791	1.44	C	51
ICEK-23.50-B2-2.5	246.7	41.7	2x3	125	43863	3.72	D	58	91	28095	1.50	C	50
ICEK-24.50-B1-2.5	246.7	41.7	2x4	151	61801	4.80	D	60	112	39721	1.92	C	52
ICEK-24.50-B2-2.5	329.0	55.6	2x4	171	57351	4.96	D	59	125	37460	2.00	C	51

Model	ICEK Q 3~400V - Y 50Hz 800rpm								ICEK Q 3~400V - Y 50Hz 800rpm				
	Isı transfer yüzeyi Heat Transfer Surface	Boru Hacmi Tube Volume	Fan Sayısı Number of Fans	Kapasite Capacity ΔT= 15K	Hava Debisi Air Flow	Fan Elektrik Cüçü Power Consumption P <sub>el</sub> Total	Enerji Sınıfı Energy Efficiency Class	Ses Seviyesi Sound Pressure Level 10 m	Kapasite Capacity ΔT= 15K	Hava Debisi Air Flow	Fan Elektrik Cüçü Power Consumption P <sub>el</sub> Total	Enerji Sınıfı Energy Efficiency Class	Ses Seviyesi Sound Pressure Level 10 m
	m <sup>2</sup>	l	Ad/Pcs	Watt	m <sup>3</sup> /h	Watt	A - E	dB(A)	Watt	m <sup>3</sup> /h	Watt	A - E	dB(A)
ICEK-11.50-B1-2.5	39.8	5.2	1x1	12	4395	0.17	B	41	-	-	-	-	-
ICEK-11.50-B2-2.5	41.1	7.0	1x1	14	4125	0.17	B	39	-	-	-	-	-
ICEK-12.50-B1-2.5	61.7	10.4	1x2	25	8790	0.33	B	44	-	-	-	-	-
ICEK-12.50-B2-2.5	62.2	13.9	1x2	28	8250	0.34	B	42	-	-	-	-	-
ICEK-13.50-B1-2.5	92.5	15.7	1x3	37	13185	0.50	B	46	-	-	-	-	-
ICEK-13.50-B2-2.5	121.4	20.9	1x3	41	12375	0.51	B	44	-	-	-	-	-
ICEK-14.50-B1-2.5	123.4	20.9	1x4	51	17580	0.66	B	47	-	-	-	-	-
ICEK-14.50-B2-2.5	164.5	27.8	1x4	57	16499	0.68	B	45	-	-	-	-	-
ICEK-21.50-B1-2.5	61.7	10.4	2x1	25	8790	0.33	B	44	-	-	-	-	-
ICEK-21.50-B2-2.5	62.2	13.9	2x1	28	8250	0.34	B	42	-	-	-	-	-
ICEK-22.50-B1-2.5	123.4	20.9	2x2	50	17580	0.66	B	47	-	-	-	-	-
ICEK-22.50-B2-2.5	164.5	27.8	2x2	57	16499	0.68	B	45	-	-	-	-	-
ICEK-23.50-B1-2.5	185.1	31.3	2x3	75	26370	0.99	B	49	-	-	-	-	-
ICEK-23.50-B2-2.5	246.7	41.7	2x3	83	24749	1.02	B	47	-	-	-	-	-
ICEK-24.50-B1-2.5	246.7	41.7	2x4	102	35160	1.32	B	50	-	-	-	-	-
ICEK-24.50-B2-2.5	329.0	55.6	2x4	113	32999	1.36	B	48	-	-	-	-	-

Model	ICEK N 1~230V 50Hz 860rpm								ICEK L 3~400V - Δ 50Hz 660rpm				
	Isı transfer yüzeyi Heat Transfer Surface	Boru Hacmi Tube Volume	Fan Sayısı Number of Fans	Kapasite Capacity ΔT= 15K	Hava Debisi Air Flow	Fan Elektrik Cüçü Power Consumption P <sub>el</sub> Total	Enerji Sınıfı Energy Efficiency Class	Ses Seviyesi Sound Pressure Level 10 m	Kapasite Capacity ΔT= 15K	Hava Debisi Air Flow	Fan Elektrik Cüçü Power Consumption P <sub>el</sub> Total	Enerji Sınıfı Energy Efficiency Class	Ses Seviyesi Sound Pressure Level 10 m
	m <sup>2</sup>	l	Ad/Pcs	Watt	m <sup>3</sup> /h	Watt	A - E	dB(A)	Watt	m <sup>3</sup> /h	Watt	A - E	dB(A)
ICEK-11.63-B1-2.5	48.2	8.2	1x1	24	9093	0.56	D	46	20	6750	0.30	C	40
ICEK-11.63-B2-2.5	64.3	10.9	1x1	27	8559	0.56	C	46	21	6366	0.29	B	40
ICEK-12.63-B1-2.5	96.4	16.3	1x2	48	18185	1.12	D	49	39	13500	0.60	C	43
ICEK-12.63-B2-2.5	128.5	21.2	1x2	53	17116	1.12	C	49	44	12733	0.58	B	43
ICEK-13.63-B1-2.5	144.6	24.5	1x3	73	27377	1.68	D	51	59	20249	0.90	C	45
ICEK-13.63-B2-2.5	192.8	32.6	1x3	82	25674	1.68	C	51	66	19699	0.87	B	45
ICEK-14.63-B1-2.5	192.8	31.9	1x4	98	36370	2.24	D	52	80	26999	1.20	C	46
ICEK-14.63-B2-2.5	257.0	42.5	1x4	111	34232	2.24	C	52	89	25465	1.16	B	46
ICEK-15.63-D1-2.5	302.0	58.9	1x5	138	44794	2.65	C	54	107	33286	1.50	B	47
ICEK-15.63-D2-2.5	402.7	78.5	1x5	143	42121	2.75	C	53	117	31302	1.50	B	47
ICEK-16.63-D1-2.5	362.4	70.7	1x6	159	53753	3.18	C	55	130	39943	1.80	B	48
ICEK-16.63-D2-2.5	483.2	94.2	1x6	177	50545	3.30	C	54	141	37563	1.80	B	48
ICEK-21.63-B1-2.5	96.4	16.3	2x1	48	18185	1.12	D	49	39	13500	0.60	C	43
ICEK-21.63-B2-2.5	128.5	21.2	2x1	54	17116	1.12	C	49	44	12733	0.58	B	43
ICEK-22.63-B1-2.5	192.8	32.6	2x2	97	36370	2.24	D	52	79	26999	1.20	C	46
ICEK-22.63-B2-2.5	257.0	42.5	2x2	111	34232	2.24	C	52	89	25465	1.16	B	46
ICEK-23.63-B1-2.5	289.1	48.9	2x3	145	54535	3.36	D	54	118	40499	1.80	C	48
ICEK-23.63-B2-2.5	385.5	65.2	2x3	164	51247	3.36	C	54	131	38198	1.74	B	48
ICEK-24.63-B1-2.5	385.5	63.8	2x4	187	72740	4.48	D	55	160	53999	2.40	C	49
ICEK-24.63-B2-2.5	514.0	85.1	2x4	222	68461	4.48	C	55	178	50930	2.32	B	49
ICEK-25.63-D1-2.5	604.0	117.8	2x5	265	89588	5.30	C	57	215	66572	3.00	B	50
ICEK-25.63-D2-2.5	805.3	157.1	2x5	294	84342	5.50	C	56	234	62604	3.00	B	50
ICEK-26.63-D1-2.5	724.8	141.4	2x6	319	107506	6.36	C	58	259	79887	3.60	B	51
ICEK-26.63-D2-2.5	966.4	188.5	2x6	354	101091	6.60	C	57	282	75125	3.60	B	51

Model	ICEK Q 3~400V - Y 50Hz 520rpm								ICEK E				
	Isı transfer yüzeyi Heat Transfer Surface	Boru Hacmi Tube Volume	Fan Sayısı Number of Fans	Kapasite Capacity ΔT= 15K	Hava Debisi Air Flow	Fan Elektrik Cüçü Power Consumption P <sub>el</sub> Total	Enerji Sınıfı Energy Efficiency Class	Ses Seviyesi Sound Pressure Level 10 m	Kapasite Capacity ΔT= 15K	Hava Debisi Air Flow	Fan Elektrik Cüçü Power Consumption P <sub>el</sub> Total	Enerji Sınıfı Energy Efficiency Class	Ses Seviyesi Sound Pressure Level 10 m
	m <sup>2</sup>	l	Ad/Pcs	Watt	m <sup>3</sup> /h	Watt	A - E	dB(A)	Watt	m <sup>3</sup> /h	Watt	A - E	dB(A)
ICEK-11.63-B1-2.5	48.2	8.2	1x1	17	5386	0.19	B	35	-	-	-	-	-
ICEK-11.63-B2-2.5	64.3	10.9	1x1	18	5005	0.19	B	35	-	-	-	-	-
ICEK-12.63-B1-2.5	96.4	16.3	1x2	31	10772	0.38	B	38	-	-	-	-	-
ICEK-12.63-B2-2.5	128.5	21.2	1x2	36	10010	0.38	B	38	-	-	-	-	-
ICEK-13.63-B1-2.5	144.6	24.5	1x3	50	16158	0.57	B	40	-	-	-	-	-
ICEK-13.63-B2-2.5	192.8	32.6	1x3	54	15015	0.57	B	40	-	-	-	-	-
ICEK-14.63-B1-2.5	192.8	31.9	1x4	68	21544	0.76	B	41	-	-	-	-	-
ICEK-14.63-B2-2.5	257.0	42.5	1x4	74	20020	0.76	B	41	-	-	-	-	-
ICEK-15.63-D1-2.5	302.0	58.9	1x5	90	26405	0.95	B	42	-	-	-	-	-
ICEK-15.63-D2-2.5	402.7	78.5	1x5	96	24564	0.95	B	42	-	-	-	-	-
ICEK-16.63-D1-2.5	362.4	70.7	1x6	109	31685	1.14	B	43	-	-	-	-	-
ICEK-16.63-D2-2.5	483.2	94.2	1x6	116	29477	1.08	B	43	-	-	-	-	-
ICEK-21.63-B1-2.5	96.4	16.3	2x1	33	10772	0.38	B	38	-	-	-	-	-
ICEK-21.63-B2-2.5	128.5	21.2	2x1	36	10010	0.38	B	38	-	-	-	-	-
ICEK-22.63-B1-2.5	192.8	32.6	2x2	67	21544	0.76	B	41	-	-	-	-	-
ICEK-22.63-B2-2.5	257.0	42.5	2x2	74	20020	0.76	B	41	-	-	-	-	-
ICEK-23.63-B1-2.5	289.1	48.9	2x3	100	32316	1.14	B	43	-	-	-	-	-
ICEK-23.63-B2-2.5	385.5	65.2	2x3	109	30029	1.14	B	43	-	-	-	-	-
ICEK-24.63-B1-2.5	385.5	63.8	2x4	136	43088	1.52	B	44	-	-	-	-	-
ICEK-24.63-B2-2.5	514.0	85.1	2x4	147	40039	1.52	B	44	-	-	-	-	-
ICEK-25.63-D1-2.5	604.0	117.8	2x5	181	52809	1.90	B	45	-	-	-	-	-
ICEK-25.63-D2-2.5	805.3	157.1	2x5	192	49129	1.90	B	45	-	-	-	-	-
ICEK-26.63-D1-2.5	724.8	141.4	2x6	219	63371	2.28	B	46	-	-	-	-	-
ICEK-26.63-D2-2.5	966.4	188.5	2x6	233	58954	2.16	B	46	-	-	-	-	-

Model	ICEK N 3~400V - Δ 50Hz 880rpm								ICEK L 3~400V - Y 50Hz 670rpm				
	Isı transfer yüzeyi Heat Transfer Surface	Boru Hacmi Tube Volume	Fan Sayısı Number of Fans	Kapasite Capacity ΔT= 15K	Hava Debisi Air Flow	Fan Elektrik Gücü Power Consumption P <sub>el</sub> Total	Enerji Sınıfı Energy Efficiency Class	Ses Seviyesi Sound Pressure Level 10 m	Kapasite Capacity ΔT= 15K	Hava Debisi	Fan Elektrik Gücü Power Consumption P <sub>el</sub> Total	Enerji Sınıfı Energy Efficiency Class	Ses Seviyesi Sound Pressure Level 10 m
	m <sup>2</sup>	l	Ad./Pcs	Watt	m <sup>3</sup> /h	Watt	A - E	dB(A)	Watt	m <sup>3</sup> /h	Watt	A - E	dB(A)
ICEK-11.60-B1-2.5	69.4	11.7	1x1	45	19641	1.65	E	53	38	15131	1.11	D	46
ICEK-11.60-B2-2.5	92.5	15.7	1x1	51	18449	1.75	F	53	42	14062	1.12	D	47
ICEK-11.60-B3-2.5	81.0	13.7	1x1	49	20547	1.65	E	53	42	16007	1.11	D	46
ICEK-11.60-B4-2.5	108.0	18.3	1x1	57	19539	1.89	D	53	47	15039	1.12	D	47
ICEK-12.60-B1-2.5	138.8	23.5	1x2	89	39283	3.30	E	56	75	30262	2.22	D	49
ICEK-12.60-B2-2.5	185.1	31.3	1x2	105	36899	3.50	E	56	85	28004	2.24	D	50
ICEK-12.60-B3-2.5	161.9	27.4	1x2	99	41095	3.30	E	56	84	32013	2.22	D	49
ICEK-12.60-B4-2.5	215.9	36.5	1x2	114	39048	3.36	D	56	94	30078	2.24	D	50
ICEK-13.60-B1-2.5	208.2	35.2	1x3	138	58924	4.95	E	58	117	45399	3.33	D	51
ICEK-13.60-B2-2.5	277.6	47.0	1x3	159	55148	5.25	D	58	131	42006	3.36	D	52
ICEK-13.60-B3-2.5	242.9	40.2	1x3	150	61642	4.95	D	58	128	48019	3.33	D	51
ICEK-13.60-B4-2.5	323.8	53.6	1x3	174	58602	5.07	D	58	145	45117	3.36	D	52
ICEK-14.60-D1-2.5	326.2	63.6	1x4	200	74655	6.60	D	59	167	57022	4.52	D	53
ICEK-14.60-D2-2.5	389.5	84.8	1x4	225	69124	7.00	D	59	179	51493	4.72	D	55
ICEK-14.60-D3-2.5	409.0	74.2	1x4	218	78947	6.60	D	59	183	60893	4.52	D	53
ICEK-14.60-D4-2.5	507.3	99.0	1x4	245	74226	6.76	D	59	201	56469	4.72	D	55
ICEK-15.60-D1-2.5	407.7	79.5	1x5	248	93119	8.25	D	60	208	71278	5.65	D	54
ICEK-15.60-D2-2.5	543.6	106.0	1x5	278	86403	8.75	D	60	225	64266	5.90	D	56
ICEK-15.60-D3-2.5	475.6	92.8	1x5	267	98684	8.25	D	60	226	76116	5.65	D	54
ICEK-15.60-D4-2.5	634.2	123.7	1x5	303	92783	8.45	D	60	249	70586	5.90	D	56
ICEK-16.60-D1-2.5	489.2	95.4	1x6	300	111983	9.90	D	61	251	85533	6.78	D	55
ICEK-16.60-D2-2.5	652.3	127.2	1x6	335	103686	10.50	D	61	270	77219	7.08	D	57
ICEK-16.60-D3-2.5	579.8	111.3	1x6	325	118420	9.90	D	61	274	91338	6.78	D	55
ICEK-16.60-D4-2.5	761.0	148.4	1x6	367	111339	10.14	D	61	301	84704	7.08	D	57
ICEK-21.60-B1-2.5	133.0	22.2	2x1	87	38711	3.30	E	56	73	29735	2.22	D	49
ICEK-21.60-B2-2.5	177.3	30.0	2x1	100	36279	3.50	E	56	82	27359	2.24	D	50
ICEK-21.60-B3-2.5	155.2	25.9	2x1	96	40642	3.30	E	56	81	31552	2.22	D	49
ICEK-21.60-B4-2.5	206.9	35.0	2x1	111	38472	3.36	D	56	92	29571	2.24	D	50
ICEK-22.60-B1-2.5	266.0	44.3	2x2	174	77421	6.60	E	59	147	59510	4.44	D	52
ICEK-22.60-B2-2.5	354.7	60.0	2x2	201	72557	7.00	E	59	164	54738	4.48	D	53
ICEK-22.60-B3-2.5	310.3	51.7	2x2	193	81283	6.60	E	59	163	63104	4.44	D	52
ICEK-22.60-B4-2.5	413.8	70.0	2x2	223	76841	6.76	D	59	184	59142	4.48	D	53
ICEK-23.60-B1-2.5	399.0	66.5	2x3	269	116132	9.90	E	61	227	89285	6.66	D	54
ICEK-23.60-B2-2.5	572.0	90.0	2x3	310	108836	10.50	E	61	255	82077	6.72	D	55
ICEK-23.60-B3-2.5	465.5	75.9	2x3	293	121925	9.90	E	61	249	94656	6.66	D	54
ICEK-23.60-B4-2.5	620.7	102.7	2x3	339	115416	10.14	D	61	282	88712	6.72	D	55
ICEK-24.60-D1-2.5	652.3	127.2	2x4	400	149311	13.20	D	62	333	114044	9.04	D	56
ICEK-24.60-D2-2.5	869.7	169.6	2x4	446	118248	14.00	D	62	359	102985	9.44	D	58
ICEK-24.60-D3-2.5	761.0	148.4	2x4	476	137894	13.20	D	62	367	121785	9.04	D	56
ICEK-24.60-D4-2.5	1014.7	197.9	2x4	491	148453	13.52	D	62	401	112936	9.44	D	58
ICEK-25.60-D1-2.5	815.4	159.0	2x5	496	186679	16.50	D	63	416	142555	11.30	D	57
ICEK-25.60-D2-2.5	1087.2	212.1	2x5	556	172810	17.50	D	63	450	128732	11.80	D	59
ICEK-25.60-D3-2.5	951.3	185.6	2x5	574	192367	16.50	D	63	453	152231	11.30	D	57
ICEK-25.60-D4-2.5	1268.4	247.4	2x5	606	185366	16.98	D	63	499	141173	11.80	D	59
ICEK-26.60-D1-2.5	978.44	190.9	2x6	599	223966	19.80	D	64	501	171066	13.56	D	58
ICEK-26.60-D2-2.5	1304.6	254.5	2x6	670	207373	21.00	D	64	540	154478	14.16	D	60
ICEK-26.60-D3-2.5	1141.5	222.7	2x6	650	236841	19.80	D	64	548	182678	13.56	D	58
ICEK-26.60-D4-2.5	1522.0	296.9	2x6	734	222679	20.78	D	64	601	169407	14.16	D	60

Model	ICEK Q 3~400V - Δ 50Hz 435rpm								ICEK E 3~400V - Y 50Hz 340rpm				
	Isı transfer yüzeyi Heat Transfer Surface	Boru Hacmi Tube Volume	Fan Sayısı Number of Fans	Kapasite Capacity ΔT= 15K	Hava Debisi Air Flow	Fan Elektrik Gücü Power Consumption P <sub>el</sub> Total	Enerji Sınıfı Energy Efficiency Class	Ses Seviyesi Sound Pressure Level 10 m	Kapasite Capacity ΔT= 15K	Hava Debisi	Fan Elektrik Gücü Power Consumption P <sub>el</sub> Total	Enerji Sınıfı Energy Efficiency Class	Ses Seviyesi Sound Pressure Level 10 m
	m <sup>2</sup>	l	Ad./Pcs	Watt	m <sup>3</sup> /h	Watt	A - E	dB(A)	Watt	m <sup>3</sup> /h	Watt	A - E	dB(A)
ICEK-11.80-B1-2.5	69.4	11.7	1x1	26	8929	0.34	B	35	22	7103	0.19	A	29
ICEK-11.80-B2-2.5	92.5	15.7	1x1	28	8235	0.34	B	35	-	-	-	-	-
ICEK-11.80-B3-2.5	81.0	13.7	1x1	29	9449	0.34	B	35	24	7567	0.19	A	29
ICEK-11.80-B4-2.5	107.9	18.3	1x1	32	8879	0.34	B	35	-	-	-	-	-
ICEK-12.80-B1-2.5	138.8	23.5	1x2	52	17858	0.68	B	38	44	14207	0.38	A	32
ICEK-12.80-B2-2.5	185.1	31.3	1x2	57	16471	0.68	B	38	-	-	-	-	-
ICEK-12.80-B3-2.5	161.9	27.4	1x2	57	18898	0.68	B	38	49	15135	0.38	A	32
ICEK-12.80-B4-2.5	215.9	36.5	1x2	63	17759	0.68	B	38	-	-	-	-	-
ICEK-13.80-B1-2.5	208.2	35.2	1x3	81	26787	1.02	B	40	68	21310	0.57	A	34
ICEK-13.80-B2-2.5	277.6	47.0	1x3	88	24706	1.02	B	40	-	-	-	-	-
ICEK-13.80-B3-2.5	242.9	40.2	1x3	88	28347	1.02	B	40	75	22702	0.57	A	34
ICEK-13.80-B4-2.5	323.8	53.6	1x3	97	26638	1.02	B	40	-	-	-	-	-
ICEK-14.80-D1-2.5	402.0	63.6	1x4	113	33437	1.36	B	41	93	26002	0.76	A	35
ICEK-14.80-D2-2.5	536.0	84.8	1x4	118	30366	1.36	B	41	-	-	-	-	-
ICEK-14.80-D3-2.5	469.0	74.2	1x4	125	35914	1.32	B	41	104	28559	0.76	A	35
ICEK-14.80-D4-2.5	625.4	99.0	1x4	132	33140	1.36	B	41	-	-	-	-	-
ICEK-15.80-D1-2.5	502.5	79.5	1x5	142	41796	1.70	B	42	117	32503	0.95	A	36
ICEK-15.80-D2-2.5	670.0	106.0	1x5	149	37957	1.70	B	42	-	-	-	-	-
ICEK-15.80-D3-2.5	586.3	92.8	1x5	156	44803	1.65	B	42	131	35749	0.95	A	36
ICEK-15.80-D4-2.5	781.7	123.7	1x5	165	41425	1.70	B	42	-	-	-	-	-
ICEK-16.80-D1-2.5	603.0	95.4	1x6	171	50156	2.04	B	43	140	39003	1.14	A	37
ICEK-16.80-D2-2.5	804.0	127.2	1x6	178	45548	2.04	B	43	-	-	-	-	-
ICEK-16.80-D3-2.5	703.5	111.3	1x6	187	53871	1.98	B	43	157	42899	1.14	A	37
ICEK-16.80-D4-2.5	938.1	148.4	1x6	198	49710	2.04	B	43	-	-	-	-	-
ICEK-21.80-B1-2.5	133.0	22.2	2x1	51	17561	0.68	B	38	43	13836	0.38	A	32
ICEK-21.80-B2-2.5	177.3	30.0	2x1	55	16075	0.68	B	38	-	-	-	-	-
ICEK-21.80-B3-2.5	155.2	25.9	2x1	56	18651	0.68	B	38	47	14856	0.38	A	32
ICEK-21.80-B4-2.5	206.9	35.0	2x1	62	17412	0.68	B	38	-	-	-	-	-
ICEK-22.80-B1-2.5	266.0	44.3	2x2	101	35121	1.36	B	41	85	27672	0.76	A	35
ICEK-22.80-B2-2.5	354.7	60.0	2x2	110	32149	1.36	B	41	-	-	-	-	-
ICEK-22.80-B3-2.5	310.3	51.7	2x2	112	37301	1.36	B	41	95	29712	0.76	A	35
ICEK-22.80-B4-2.5	413.8	70.0	2x2	123	34824	1.36	B	41	-	-	-	-	-
ICEK-23.80-B1-2.5	399.0	66.5	2x3	158	52682	2.04	B	43	132	41508	1.14	A	37
ICEK-23.80-B2-2.5	572.0	90.0	2x3	171	48224	2.04	B	43	-	-	-	-	-
ICEK-23.80-B3-2.5	465.5	75.9	2x3	173	55952	2.04	B	43	146	44569	1.14	A	37
ICEK-23.80-B4-2.5	620.7	102.7	2x3	189	52236	2.04	B	43	-	-	-	-	-
ICEK-24.80-D1-2.5	804.0	127.2	2x4	226	66874	2.72	B	44	186	52004	1.52	A	38
ICEK-24.80-D2-2.5	1072.1	169.6	2x4	236	60731	2.72	B	44	-	-	-	-	-
ICEK-24.80-D3-2.5	938.1	148.4	2x4	249	71828	2.64	B	44	209	57199	1.52	A	38
ICEK-24.80-D4-2.5	1250.7	197.9	2x4	263	66280	2.72	B	44	-	-	-	-	-
ICEK-25.80-D1-2.5	1005.1	159.0	2x5	285	83593</								

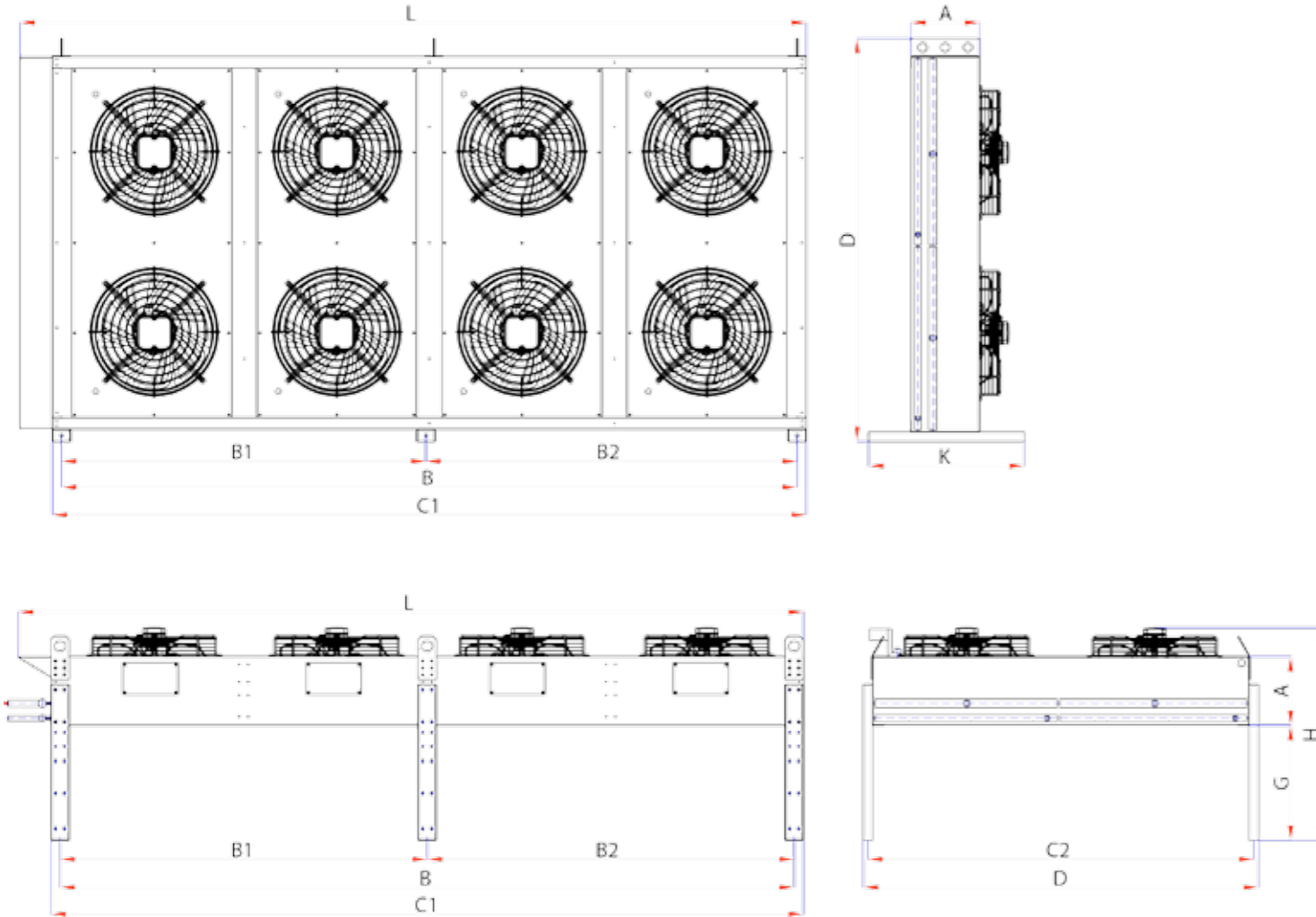
Model ICEK - V/H	Ölçüler / Dimensions												Bağlantılar Connections	
	L	H	D	A	B	B1	B2	B3	C1	C2	G	K	Giriş In	Çıkış Out
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
11.50-B1 11.50-B2	1040	1040	903	300	800	-	-	-	880	863	500	680	22 28	19 22
12.50-B1 12.50-B2	1840	1040	903	300	1600	-	-	-	1680	863	500	680	28	22
13.50-B1 13.50-B2	2640	1040	903	300	2400	800	1600	-	2480	863	500	680	35	22 28
14.50-B1 14.50-B2	3440	1040	903	300	3200	1600	1600	-	3280	863	500	680	42	28 35
21.50-B1 21.50-B2	1040	1040	1703	300	800	-	-	-	880	1663	600	780	28	22
22.50-B1 22.50-B2	1840	1040	1703	300	1600	-	-	-	1680	1663	600	780	42	28 35
23.50-B1 23.50-B2	2640	1040	1703	300	2400	800	1600	-	2480	1663	600	780	42 54	35
24.50-B1 24.50-B2	3440	1040	1703	300	3200	1600	1600	-	3280	1663	600	780	54	42
11.63-B1 11.63-B2	1250	990	1122	340	1000	-	-	-	1100	1073	500	685	22	19
12.63-B1 12.63-B2	2250	990	1122	340	2000	-	-	-	2100	1073	500	685	35	22 28
13.63-B1 13.63-B2	3250	990	1122	340	3000	980	2020	-	3100	1073	500	685	42	28 35
14.63-B1 14.63-B2	4250	990	1122	340	4000	1980	2020	-	4100	1073	500	685	42	35
15.63-D1 15.63-D2	5250	990	1138	340	5000	980	2000	2020	5100	1080	500	685	54	35 42
16.63-D1 16.63-D2	6250	990	1138	340	6000	1980	2000	2020	6100	1080	500	685	54	42
21.63-B1 21.63-B2	1250	1090	2123	340	1000	-	-	-	1100	2073	600	785	35*	28*
22.63-B1 22.63-B2	2250	1090	2123	340	2000	-	-	-	2100	2073	600	785	42*	35*
23.63-B1 23.63-B2	3250	1090	2123	340	3000	980	2020	-	3100	2073	600	785	54*	35*
24.63-B1 24.63-B2	4250	1090	2123	340	4000	1980	2020	-	4100	2073	600	785	2x42	2x35
25.63-D1 25.63-D2	5250	1090	2145	340	5000	980	2000	2020	5100	2105	600	785	2x54	2x35 2x42
26.63-D1 26.63-D2	6250	1090	2145	340	6000	1980	2000	2020	6100	2105	600	785	2x54	2x42

\* Çift soğutucu akışkan devreli imalat opsiyoneldir. / Two refrigerant circuit is available as optional.

Model ICEK - V/H	Ölçüler / Dimensions												Bağlantılar Connections	
	L	H	D	A	B	B1	B2	B3	C1	C2	G	K	Giriş In	Çıkış Out
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
11.80-B1 11.80-B2	1450	1260	1323	400	1200	-	-	-	1300	1273	600	785	35	22
11.80-B3 11.80-B4	1650	1260	1323	400	1400	-	-	-	1500	1273	600	785	35	22 28
12.80-B1 12.80-B2	2650	1260	1323	400	2400	-	-	-	2500	1273	600	785	42	35
12.80-B3 12.80-B4	3050	1260	1323	400	2800	-	-	-	2900	1273	600	785	42	35
13.80-B1 13.80-B2	3850	1260	1323	400	3600	1180	2420	-	3700	1273	600	785	54	42
13.80-B3 13.80-B4	4450	1260	1323	400	4200	1480	2720	-	4300	1273	600	785	54	42
14.80-D1 14.80-D2	5050	1260	1266	400	4800	2380	2420	-	4900	1216	600	785	66	54
14.80-D3 14.80-D4	5850	1260	1266	400	5600	2780	2820	-	5700	1216	600	785	66	54
15.80-D1 15.80-D2	6250	1260	1266	400	6000	1180	2400	2420	6100	1216	600	785	66	54
15.80-D3 15.80-D4	7250	1260	1266	400	7000	1380	2800	2820	7100	1216	600	785	66	54
16.80-D1 16.80-D2	7450	1260	1266	400	7200	2380	2400	2420	7300	1216	600	785	66 80	54
16.80-D3 16.80-D4	8650	1260	1266	400	8400	2780	2800	2820	8500	1216	600	785	80	66
21.80-B1 21.80-B2	1450	1460	2423	400	1200	-	-	-	1300	2373	800	1000	42*	28* 35*
21.80-B3 21.80-B4	1650	1460	2423	400	1400	-	-	-	1500	2373	800	1000	42*	35*
22.80-B1 22.80-B2	2650	1460	2423	400	2400	-	-	-	2500	2373	800	1000	54*	42*
22.80-B3 22.80-B4	3050	1460	2423	400	2800	-	-	-	2900	2373	800	1000	54* 66*	42*
23.80-B1 23.80-B2	3850	1460	2423	400	3600	1180	2420	-	3700	2373	800	1000	80*	54*
23.80-B3 23.80-B4	4450	1460	2409	400	4200	1480	2720	-	4300	2373	800	1000	80*	54*
24.80-D1 24.80-D2	5050	1460	2409	400	4800	2380	2420	-	4900	2359	800	1000	2x54 2x66	2x42 2x54
24.80-D3 24.80-D4	5850	1460	2409	400	5600	2780	2820	-	5700	2359	800	1000	2x66	2x54
25.80-D1 25.80-D2	6250	1460	2409	400	6000	1180	2400	2420	6100	2359	800	1000	2x66	2x54
25.80-D3 25.80-D4	7250	1460	2409	400	7000	1380	2800	2820	7100	2359	800	1000	2x66	2x54
26.80-D1 26.80-D2	7450	1460	2409	400	7200	2380	2400	2420	7300	2359	800	1000	2x66 2x80	2x54
26.80-D3 26.80-D4	8650	1460	2409	400	8400	2780	2800	2820	8500	2359	800	1000	2x80	2x54

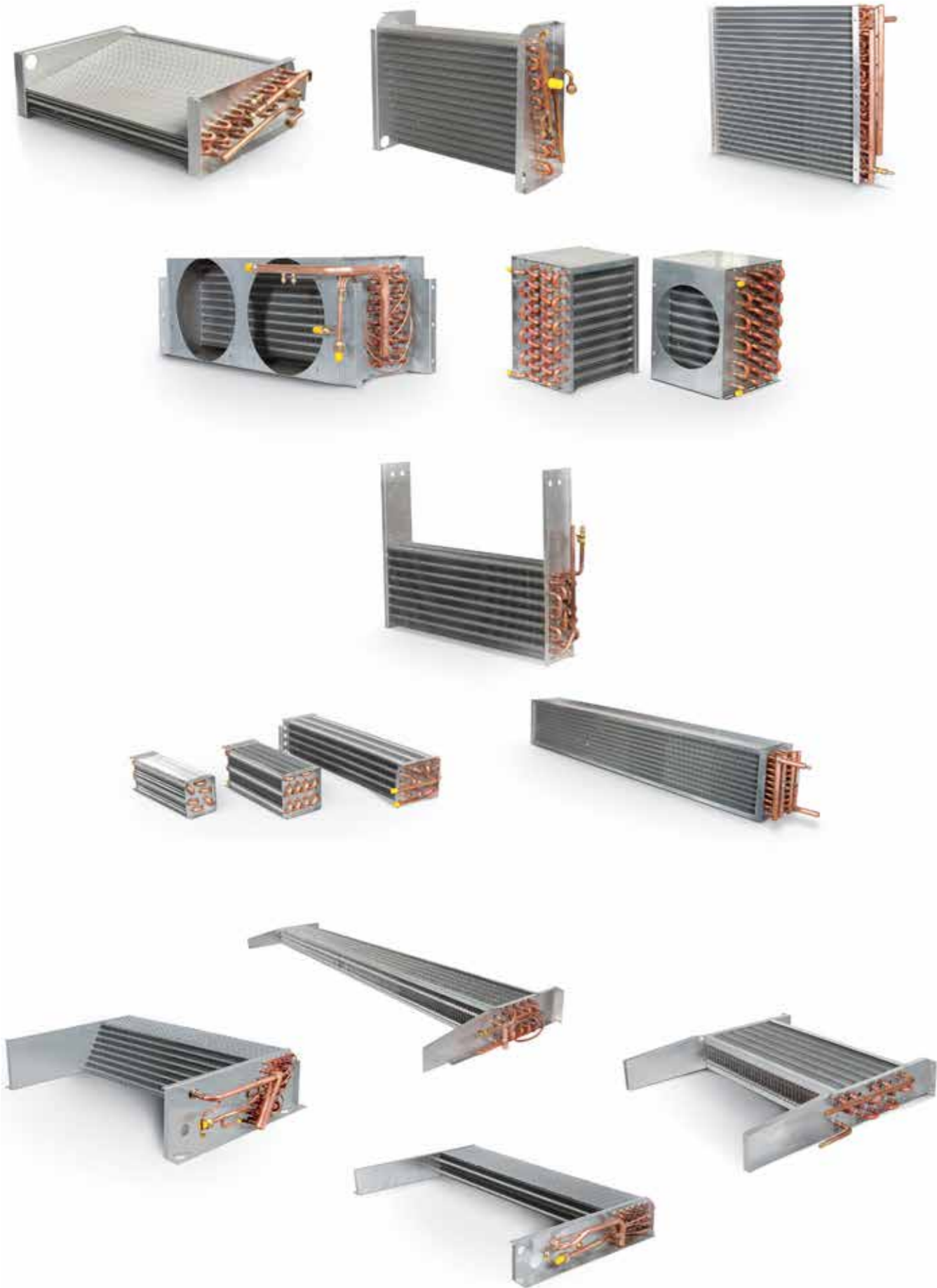
## ICEK Serisi Endüstriyel Kondenserler / ICEK Series Industrial Condensers

## Genel Özellikler / Specifications



Batarya	Evaporator Coil
<ul style="list-style-type: none"> <li>• Bakır borular <math>\varnothing \frac{3}{8}</math>", <math>\varnothing \frac{1}{2}</math>"</li> <li>• Fin malzemesi alüminyumdur,</li> <li>• Lamel arası 2,1-2,5 mm'dir,</li> <li>• Giriş-çıkış kolektör malzemesi bakırdır,</li> <li>• En yüksek çalışma basıncı <math>P_s = 32</math> Bar.</li> </ul>	<ul style="list-style-type: none"> <li>• Copper tubes <math>\varnothing \frac{3}{8}</math>", <math>\varnothing \frac{1}{2}</math>"</li> <li>• Fins made of aluminium,</li> <li>• Fin spacings are 2,1-2,5 mm,</li> <li>• Header inlet and outlet tube connections made of copper,</li> <li>• Admissible pressure <math>P_s = 32</math> Bar.</li> </ul>
Kasetleme	Casing
<ul style="list-style-type: none"> <li>• Galvaniz çelik üzerine RAL 7032 (çakıl taşı grisi) boyalıdır.</li> <li>• Dik veya yatık tip imalat.</li> </ul>	<ul style="list-style-type: none"> <li>• Galvanized steel sheet painted to RAL 7032 (pebble gray)</li> <li>• Horizontal or vertical type production.</li> </ul>
Fan	Fans
<ul style="list-style-type: none"> <li>• Düşük ses seviyeli ve bakım gerektirmeyen fanlar kullanılmaktadır,</li> <li>• Koruma sınıfı IP44/54, Monofaze 230V 1~50Hz - Trifaze 400V 3~50Hz,</li> <li>• Fan konstrüksiyonu izolasyon malzeme sınıfı F/B, çalışma sıcaklığı <math>-40^{\circ}\text{C}</math> ile <math>+60/+65^{\circ}\text{C}</math> arasındadır,</li> <li>• Aksiyel fanlar için saatte en fazla 6 kalkış yapması tavsiye edilir,</li> <li>• Kondenserler dış ortam şartları için ve hava tarafı harici basınç düşüşü olmayacağı dikkate alınarak tasarlanmıştır,</li> <li>• Uzun süreli bekleme durumları için fan motorları her ay 2 saat çalıştırılmalıdır,</li> <li>• Entegre edilmiş termistörler motor koruması için mutlaka kullanılmalıdır.</li> </ul>	<ul style="list-style-type: none"> <li>• Low-noise axial fans with maintenance free motors,</li> <li>• Protection class IP 44/54, single phase 230V 1~50Hz, three phase 400v 3~50Hz,</li> <li>• Constructions insulation material class F/B, admissible temperature <math>-40^{\circ}\text{C}</math> up to <math>+60/+65^{\circ}\text{C}</math>,</li> <li>• Maximum start up recommended for axial fans is 6 per hour,</li> <li>• The condensers are designed for outdoor operation with no external pressure drops being considered,</li> <li>• In case of long periods of non operation the motors must be operated every month for 2 hours,</li> <li>• The integral thermo contacts (thermistors) must be used as motor protection,</li> </ul>
Kapasite	Capacity
<ul style="list-style-type: none"> <li>• Nominal kapasiteler Eurovent (EN327) standartları dikkate alınarak, kondenser sıcaklığı <math>T_c = 40^{\circ}\text{C}</math>, hava giriş sıcaklığı <math>T_{ai} = 25^{\circ}\text{C}</math>, sıcaklık farkı <math>\Delta t = 15\text{K}</math> ve deniz seviyesinde R404A gazı için hesaplanmıştır.</li> <li>• Kapasiteler aynı zamanda farklı ses seviyelerine göre hesaplanmıştır.</li> </ul>	<ul style="list-style-type: none"> <li>• The nominal capacities calculated according to Eurovent (EN 327) standards that refer to a condensation temperature <math>T_c = 40^{\circ}\text{C}</math> at an air inlet temperature <math>T_{ai} = 25^{\circ}\text{C}</math>, temperature difference <math>\Delta t = 15\text{K}</math>, height above sea level NN and are valid for R404A,</li> <li>• Capacities are calculated for different (düzeltim) noise levels.</li> </ul>
Seçenekler	Options
<ul style="list-style-type: none"> <li>• Çift akışkan devreli imalat,</li> <li>• Farklı dış kabin rengi,</li> <li>• Trifaze 400V 3~50Hz fan,</li> <li>• Katalogda belirtilmeyen özel ürünler için lütfen satış departmanı ile irtibata geçin.</li> </ul>	<ul style="list-style-type: none"> <li>• Two different circuit,</li> <li>• Different casing color,</li> <li>• Three phase 400v 3~50Hz fans,</li> <li>• Please keep in touch with our sales department about your special needs that are not mentioned in the catalogue.</li> </ul>
Notlar	Notes
<ul style="list-style-type: none"> <li>• Montaj, bakım-taşıma ve kaldırma detayları için kullanım kılavuzuna başvurunuz.</li> </ul>	<ul style="list-style-type: none"> <li>• Please check our user manual for installation, maintenance - carrying and lifting details.</li> </ul>
Aksesuarlar	Accessories
<ul style="list-style-type: none"> <li>• Pako Şalter.</li> </ul>	<ul style="list-style-type: none"> <li>• Repair Switch.</li> </ul>









**Agent**



İDEAL SOĞUTMA EKİPMANLARI İÇ VE DIŞ TİCARET SANAYİ ANONİM ŞİRKETİ  
(IDEAL REFRIGERATION EQUIPMENTS IMPORT&EXPORT INCORPORATION)  
Hakkı Yeten Cad. Selenium Plaza No:10/C Kat: 5-6  
34349 Fulya - Beşiktaş  
İstanbul - Turkey

**Tel:** +90 212 381 8768

**Fax:** +90 212 381 8686

[www.idealsogutma.com.tr](http://www.idealsogutma.com.tr)

[www.i-cold.com](http://www.i-cold.com)