



AIR COOLED CONDENSER

MODEL KEYWORD

A K B 1 2 A 15 O 6 W

Air cooled condenser

Production series

C=Horizontal coil
K=Vertical coil
V=V type coil

Fan diameter (No. of poles)

B: 760 mm(6 poles) G: 500 mm(4 poles)
E: 710 mm(6 poles) H: 500 mm(6 poles)
F: 630 mm(6 poles) L: 450 mm(6 poles)
A: 500 mm(6 poles)

Number of fan

Number of fan in one row(1,2,3,4,5,6)
M: 4 fan in 2 rows
N: 6 fan in 2 rows
P: 8 fan in 2 rows
Q: 10 fan in 2 rows
R: 12 fan in 2 rows

Rows deep of coil tubes

(2,3,4,6)

Fin materials

A: Aluminium
C: Copper

Packig specifications

D: Domestic packing
I: International packing
W: Without packing

Electrical power specifications

(V-Ph-Hz)	(V-Ph-Hz)
1: 575-3-60	6: 400-3-50
2: 460-3-60	5: 200-1-60
3: 230-3-60	4: 200-3-60

Design improvement

O: Original (Without additional options)
E: With electrical panel
(without fan cycling system)
D: With electrical panel
(cycling switch for each fan)
S: With electrical panel (including
fan speed controller for each fan)
C: Custom design

Capacity Range

05: 2-7 R.T	50: 42-57 R.T
10: 7-12 R.T	65: 57-77 R.T
15: 12-17 R.T	90: 77-100 R.T
20: 17-22 R.T	110: 100-120 R.T
25: 22-27 R.T	130: 120-140 R.T
30: 27-32 R.T	150: 140-160 R.T
35: 32-37 R.T	160: 160-180 R.T
40: 37-42 R.T	175: 180-200 R.T

Note : The condenser units do not include Inlet / outlet service valves, receiver, relife valve, andIf necessary, they should be ordered exclusively.



TYPE B



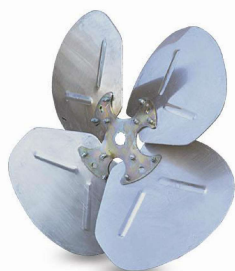
TYPE E



TYPE F



TYPE G



TYPE A



TYPE H



TYPE L

- CAPACITIES

The capacities indicated in the catalogue have been calculated according to the AIR standard 410-81 and TECHNO ACTORS experience and test results.

- FIN AND TUBE HEAT EXCHANGER

The coils are manufactured with copper tube of 3/8" OD diameter, copper fin geometry (25*12.5 mm. Staggered pitch) and aluminum fin with geometry (25*19 mm. Staggered pitch).

A fin spacing of 1.8 mm is used for all models. We can supply your request for condensers 5/8" tube or 3/8" other staggered pitch and other fin spacing (2.1 ,2.54 or 3.175 mm).

Please contact TECHNO ACTORS sales department for more information.

The circuits are designed for counter flow. All the tubes inside are rigorously cleaned. Subsequently coil blocks are degreased and tested in water with dry air at a pressure of 30 Bar.

- FRAME

The frame of the axial condensers are manufactured in hot deep galvanized steel of 1 mm and 2.5mm. In thickness according to the design.

- FANS USED

We offer some type of our fans used as following table:

Type of fan	Fan diameter	Inlet power(W)		Motor V/Ph/Hz/Pol.	Limits of use °C		Sound level dp	
		min	max		min	max	min	max
L*	450	171	188	230/1/50/6	-30	+70	46.5	48
H*	500	243	290	230/1/50/6	-30	+70	51	52.7
A	500	680	750	380/3/50/6	-30	+70	56	58
G*	500	617	719	230/1/50/4	-30	+70	57	59
F*	630	500	540	230/1/50/6	-30	+70	58.4	54.2
E*	710	710	980	400/3/50/6	-30	+70	68	71
B	760	1200	1500	380/3/50/6	-30	+70	64	74

* NOTE : This models equipped with external rotor electromotor.

- SELECTION PROCEDURE :

The capacities indicated in the catalogue are stated in accordance with the AIR standard 410-81 taking into consideration the following conditions:

Inlet air temperature T_{in} : 35 °C
 Condensing temperature T_c : 51.5 °C
 Refrigerant R22

For others conditions please use the following formula:

$$Q_n = Q_c \times C_2 \times C_3 \times C_4 \times C_5 \times C_6$$

$Q_c = Q_e \times C_1$

Q_n = Nominal capacity

Q_c = Requested capacity of the condenser

Q_e = Capacity at the evaporator

C_1 = Coefficient relative to the work conditions

C_2 = Coefficient relative to the model of compressor used

C_3 = Coefficient air inlet temperature

C_4 = Coefficient relative condensing temperature

C_5 = Coefficient of the used refrigerant

C_6 = Coefficient relative to the altitude of installation

T_e : Evaprating temp.

T_c : Condensing temp.

C_1	T_e °C											
	°C	-40	-35	-30	-25	-20	-15	-10	-5	0	5	10
T_c °C	25	1.6	1.55	1.47	1.39	1.34	1.29	1.25	1.21	1.17	1.14	1.12
	30		1.63	1.54	1.45	1.38	1.32	1.28	1.24	1.20	1.17	1.15
	35			1.62	1.51	1.44	1.37	1.32	1.27	1.24	1.21	1.18
	40			1.72	1.59	1.50	1.42	1.36	1.32	1.28	1.24	1.24
	45				1.70	1.57	1.48	1.42	1.36	1.32	1.24	1.24
	50				1.87	1.70	1.56	1.48	1.42	1.36	1.32	1.28
	55					1.86	1.69	1.55	1.49	1.42	1.36	1.32
	60						1.88	1.70	1.58	1.48	1.41	1.36

Compressor	Hermetic	Semi-hermetic	Open
C_2	1.06	1	0.94

T_{in}	44	42	40	38	36	35	34	32	30	28	26
C_3	1.54	1.42	1.30	1.18	1.06	1.00	0.94	0.81	0.69	0.57	0.45

T_{in}	46	47	48	49	50	51.5	52	53	54	55	56	57
C_3	1.27	1.21	1.15	1.09	1.03	1.00	0.97	0.91	0.85	0.79	0.73	0.67

Compressor	R134A	R404A	R22
C_4	1.035	1.02	1

* Data for R407 C is also available by request.

Altitude (m)	0	600	800	1000	1200	1400	1600	1800	2000
C_6	1	1.04	1.06	1.07	1.09	1.10	1.12	1.14	1.16

- EXAMPLE OF SELECTION :

Data	Tab.	Data	Tab.
Compressor	Semi hermetic (C2)	Inlet Air temperature	Tin: 35 °C (C3)
Capacity at the evaporator	150,000 W (Qe)	Altitude of installation	800 m (C6)
Evaporator Temp.	Te 5 °C (C1)	Refrigerant	R134a (C5)
Condensing Temp.	Tc 55 °C (C1)		

Calculation of the nominal capacity (Qn)

$$Q_c = Q_e \times C_1 = 150,000 \times 1.32 = 198,000 \text{ W}$$

$$Q_n = Q_c \times C_2 \times C_3 \times C_4 \times C_5 \times C_6$$

$$Q_n = 198,000 \times 1 \times 1 \times 0.79 \times 1.035 \times 1.06 = 171,608$$

$$171,608 \text{ KW} = 48.8 \text{ R.T}$$

WARNING : The condenser capacity calculation and verification has been made with a gas superheating ΔT of 25 K (TS = 76.5 °C).

For different working conditions and with a higher superheating factor it is possible to obtain a sensibly higher capacity of the condenser.

For a correct condenser performance comparison with condensers of other manufacturers (referred to calculation with a higher superheating ΔT) please contact a TECHNO ACTORS salesengineering department.

NOTE : All the tables have been evaluated based on SI system. (expect the capacity which has been given in R-ton unit also). As result, Do and Di has been given in units of 'mm'. As the common unit used for pipes are in 'inches' so the mentined size in the table will not be used in production line unless required.

22 mm OD ~ 7/8 " OD

28 mm OD ~ 1 1/8 " OD

35 mm OD ~ 1 3/8 " OD

42 mm OD ~ 1 5/8 " OD

54 mm OD ~ 2 1/8 " OD

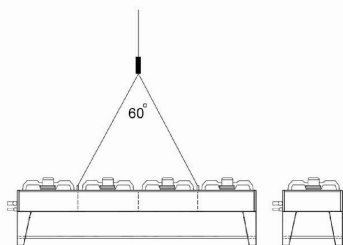
80 mm OD ~ 3 1/8 " OD

TRANS-SHIPPING AND POSITIONING :

- Procedures suitable for all type of units

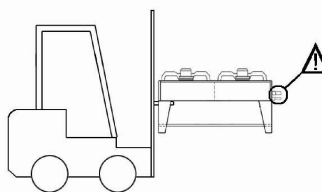
1. Lifting with slings:

There must be at least two sling points for the smaller models and at least four for the larger models.



2. Fork lift truck:

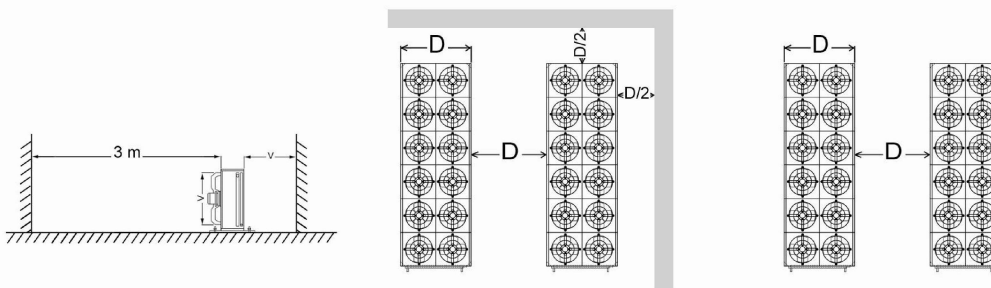
make sure that the forks protrude sufficiently in order to avoid damage to the heat exchanger.



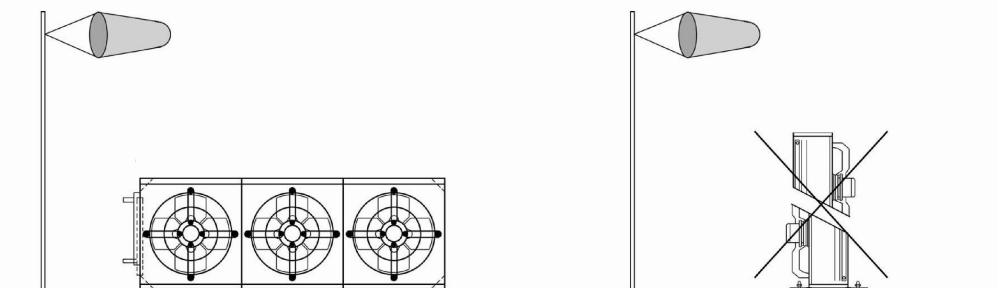
Minimum distance advisable from the walls

Minimum distance advisable between units and walls

Minimum distance advisable between different units



- Wind positioning



L : FAN 450 (6 POLES)

MODEL	Qn								DIMENSION						
	2Rows		3Rows		4Rows		6Rows		St m ²	A	B	C	D	Di	Do
	KW	R.T	KW	R.T	KW	R.T	KW	R.T							
A*L1*A****	11.3	3.2	14.8	4.2	17.6	5	21.1	6	0.33	640	550	585	610	28	22
A*L1*C****	11.5	3.3	15.2	4.3	18	5.1	21.5	6.1							
A*L2*A****	22.6	6.4	29.6	8.4	35.2	10	42.2	12	0.66	1240	550	1170	610	28	22
A*L2*C****	23	6.6	30.5	8.6	36	10.2	43	12.2							
A*L3*A****	34	9.6	43.5	12.6	53	15	63.5	18	1.00	1830	550	1760	610	28	22
A*L3*C****	34.5	10	45.5	13	54.5	15.5	65	18.5							
A*L4*A****	45	12.8	59	16.8	70.5	20	85	24	1.32	2420	550	2350	610	35	28
A*L4*C****	46	13.2	61	17.2	72	20.5	87	24.5							
A*L5*A****	56.5	16	74	21	88	25	106	30	1.65	3010	550	2940	610	35	28
A*L5*C****	57.5	16.5	76	21.5	90	25.5	108	30.5							
A*L6*A****	68	19.2	87	25.2	106	30	127	36	1.98	3600	550	3530	610	35	28
A*L6*C****	70	20	91	26	109	31	130	37							
A*LM*A****	45	12.8	59	16.8	70.5	20	85	24	1.32	1240	1150	1170	1220	35	28
A*LM*C****	46	13.2	61	17.2	72	20.5	87	24.5							
A*LN*A****	68	19.2	87	25.2	106	30	127	36	1.98	1830	1150	1760	1220	35	28
A*LN*C****	69	20	91	26	109	31	130	37							
A*LP*A****	90	25.6	118	33.5	141	40	170	48	2.64	2420	1150	2350	1220	42	35
A*LP*C****	92	26.4	122	34.4	144	41	174	49							
A*LQ*A****	113	32	148	42	176	50	211	60	3.3	3010	1150	2940	1220	42	35
A*LQ*C****	115	33	152	43	180	51	215	61							
A*LR*A****	136	38.4	174	50.4	112	60	254	72	3.96	3600	1150	3530	1220	42	35
A*LR*C****	140	40	182	52	218	62	260	74							

H : FAN 500 (6 POLES)

MODEL	Qn								DIMENSION						
	2Rows		3Rows		4Rows		6Rows		St m ²	A	B	C	D	Di	Do
	KW	R.T	KW	R.T	KW	R.T	KW	R.T							
A*H1*A****	15	4.27	19.2	5.45	22	6.25	25	7.1	0.66	850	740	780	810	28	22
A*H1*C****	15.6	4.43	19.7	5.6	22.4	6.4	25.3	7.2							
A*H2*A****	30	8.54	38.4	10.9	44	12.5	50	14.2	1.32	1650	740	1580	810	28	22
A*H2*C****	31.2	8.86	39.4	11.2	44.8	12.8	50.6	14.4							
A*H3*A****	45	12.8	57.6	16.3	66	18.8	75	21.3	1.98	2440	740	2370	810	28	22
A*H3*C****	46.8	13.3	59.1	16.8	67.2	19.2	76	21.6							
A*H4*A****	60	17	76.8	21.8	88	25	100	28.4	2.64	3230	740	3160	810	35	28
A*H4*C****	62.4	17.7	79	22.4	89.7	25.6	102	29							
A*H5*A****	75	21.4	96	27.3	110	31.3	125	35.5	3.30	4020	740	3950	810	35	28
A*H5*C****	78	22.2	98.5	28	112	32	127	36							
A*H6*A****	90	25.6	106	30.2	132	37.6	150	42.7	3.69	4810	740	4740	810	35	28
A*H6*C****	93.6	26.6	119	33.7	135	39.6	152	43.2							
A*HM*A****	60	17	76.8	21.8	88	25	100	28.4	2.64	1700	1630	1580	1700	35	28
A*HM*C****	62.4	17.7	79	22.4	89.7	25.6	102	29							
A*HN*A****	90	25.6	106	30.5	132	37.6	150	42.9	3.96	2440	1630	2370	1700	35	28
A*HN*C****	93.6	26.6	119	33.7	135	39.6	152	43.8							
A*HP*A****	120	34.1	154	43.6	176	50	200	57	5.28	3230	1630	3160	1700	42	35
A*HP*C****	125	35.5	158	44.8	180	51.2	205	58.3							
A*HQ*A****	150	43	192	54.6	220	62.6	250	71	6.61	4020	1630	3950	1700	42	35
A*HQ*C****	156	45	197	56	224	64	254	72							
A*HR*A****	180	51.2	112	60.4	264	75.2	300	85.4	7.93	4820	1630	4740	1700	54	42
A*HR*C****	188	53.5	138	67.4	270	79.2	304	86.5							

G : FAN 500 (4 POLES)

MODEL	Qn								DIMENSION							
	2Rows		3Rows		4Rows		6Rows		St	A	B	C	D	Di	Do	
	KW	R.T	KW	R.T	KW	R.T	KW	R.T	m ²	mm						
A*G1*A****	19.3	5.5	25.7	7.3	30.5	8.7	37	10.5	0.66	850	740	780	810	28	22	
A*G1*C****	20.2	5.75	26.7	7.6	31.6	9	37.6	10.7								
A*G2*A****	39.4	11	51.4	14.6	61	17.4	74	21	1.32	1650	740	1580	810	28	22	
A*G2*C****	40.4	11.5	53.4	15.2	63.2	18	75.2	21.4								
A*G3*A****	59	16.5	77.1	22	91.5	26.1	111	31.5	1.98	2440	740	2370	810	35	28	
A*G3*C****	60.6	17.3	80.1	23	94.8	27	113	32.1								
A*G4*A****	79	22.5	103	29.3	123	35	148	42	2.64	3230	740	3160	810	35	28	
A*G4*C****	81	23.5	107	30.5	127	36.1	151	43								
A*G5*A****	97	27.6	129	36.7	153	43.7	185	52.5	3.30	4020	740	3950	810	42	35	
A*G5*C****	101	28.8	134	38.2	158	45	188	53.5								
A*G6*A****	118	33	155	44	183	52.2	222	63	3.69	4810	740	4740	810	42	35	
A*G6*C****	123	34.6	161	45.8	190	54	226	64.3								
A*GM*A****	79	22.5	103	29.3	123	35	148	42	2.64	1700	1630	1580	1700	35	28	
A*GM*C****	81	23.5	107	30.5	127	36.1	151	43								
A*GN*A****	118	33	155	44	183	52.2	222	63	3.96	2440	1630	2370	1700	42	35	
A*GN*C****	123	34.6	161	45.8	190	54	226	64.3								
A*GP*A****	158	45	206	58.6	246	70	296	84	5.28	3230	1630	3160	1700	54	42	
A*GP*C****	162	47	214	61	254	72.2	302	86								
A*GQ*A****	194	55.2	258	73.4	306	87.4	370	105	6.61	4020	1630	3950	1700	54	42	
A*GQ*C****	202	57.6	268	76.4	316	90	376	107								
A*GR*A****	236	66	310	88	366	105	444	126	7.93	4810	1630	4740	1700	54	42	
A*GR*C****	246	69.2	322	91.6	380	108	452	129								

Dimension & capacity for condenser with A type fan is similar to condenser with G type fan

F : FAN 630 (6 POLES)

MODEL	Qn								DIMENSION							
	2Rows		3Rows		4Rows		6Rows		St	A	B	C	D	Di	Do	
	KW	R.T	KW	R.T	KW	R.T	KW	R.T	m ²	mm						
A*F1*A****	21	6	28	8	33.5	9.5	42	12	0.66	850	740	780	810	28	22	
A*F1*C****	22	6.25	30	8.5	34.5	9.8	42.5	12.1								
A*F2*A****	42	12	56	16	67	19	84	24	1.32	1650	740	1580	810	28	22	
A*F2*C****	44	12.5	60	17	70	20	85	24.2								
A*F3*A****	63	18	84	24	101	28.5	126	36	1.98	2440	740	2370	810	35	28	
A*F3*C****	66	18.8	90	25.5	114	29.5	128	36.5								
A*F4*A****	84	24	112	32	134	38	168	48	2.64	3230	740	3160	810	35	28	
A*F4*C****	88	25	120	34	140	40	170	48.5								
A*F5*A****	105	30	140	40	168	47.5	210	60	3.30	4020	740	3950	810	42	35	
A*F5*C****	110	31.3	150	42.5	173	46	213	61								
A*F6*A****	126	36	168	48	202	57	252	72	3.69	4810	740	4740	810	42	35	
A*F6*C****	132	37.6	180	51	208	59	256	73								
A*FM*A****	84	24	112	32	134	38	168	48	2.64	1700	1630	1580	1700	42	35	
A*FM*C****	88	25	120	34	140	40	170	48.5								
A*FN*A****	126	36	168	48	202	57	252	72	3.96	2440	1630	2370	1700	42	35	
A*FN*C****	132	37.6	180	51	228	59	256	73								
A*FP*A****	168	48	224	64	268	76	336	96	5.28	3230	1630	3160	1700	54	42	
A*FP*C****	176	50	240	68	280	80	342	98								
A*FQ*A****	210	60	280	80	335	95	420	120	6.61	4020	1630	3950	1700	54	42	
A*FQ*C****	220	62.5	300	85	345	98	425	121								
A*FR*A****	252	72	336	96	404	114	504	144	7.93	4810	1630	4740	1700	80	54	
A*FR*C****	264	75.2	360	102	416	118	512	146								

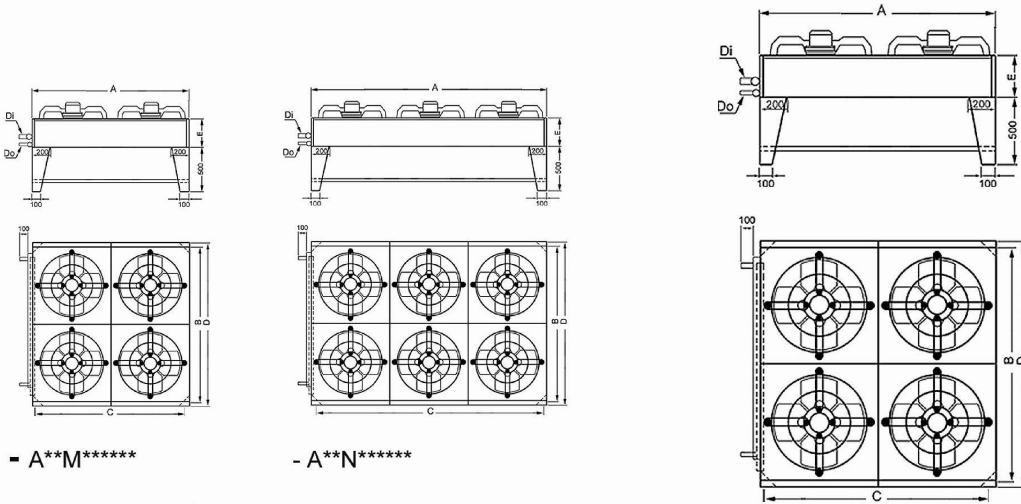
E: FAN 710 (6 POLES)

MODEL	Qn								DIMENSION						
	2Rows		3Rows		4Rows		6Rows		St	A	B	C	D	Di	Do
	KW	R.T	KW	R.T	KW	R.T	KW	R.T	m ²	mm					
A*E1*A****	24.5	7	33	9.5	39	11	47	13.5	0.93	990	960	920	1020	28	22
A*E1*C****	25.8	7.3	34	9.7	40.3	11.5	48.3	13.8							
A*E2*A****	49	14	66	19	78	22	94	27	1.86	1980	960	1910	1020	35	28
A*E2*C****	51.5	14.5	68	19.5	80.5	23	96.5	27.5							
A*E3*A****	73.5	21	99	28.5	117	33	141	40.5	2.79	2940	960	2870	1020	35	28
A*E3*C****	77.5	22	102	29	121	34.5	145	41.5							
A*E4*A****	98	28	132	38	156	44	188	54	3.72	3900	960	3830	1020	42	35
A*E4*C****	103	29	136	39	161	46	193	55							
A*E5*A****	123	35	165	47.5	185	55	235	67.5	4.66	4860	960	4790	1020	42	35
A*E5*C****	129	36.6	170	48.5	202	57.5	242	69							
A*E6*A****	147	42	198	57	234	66	282	81	5.59	5820	960	5750	1020	42	35
A*E6*C****	155	44	204	58	242	69	290	83							
A*EM*A****	98	28	132	38	156	44	188	54	3.72	1980	1910	1910	1980	42	35
A*EM*C****	103	29	136	39	161	46	193	55							
A*EN*A****	147	42	198	57	234	66	282	80.2	5.59	2940	1910	2870	1980	42	35
A*EN*C****	155	44	204	58	242	69	290	83							
A*EP*A****	196	56	264	76	312	88	376	106	7.45	3900	1910	3830	1980	54	42
A*EP*C****	206	58	272	78	322	92	390	110							
A*EQ*A****	245	70	330	95	390	110	470	135	9.32	4860	1910	4790	1980	54	42
A*EQ*C****	258	73	340	97	403	115	483	138							
A*ER*A****	294	84	396	114	438	132	564	162	11.2	5820	1910	5750	1980	80	54
A*ER*C****	310	88	408	116	484	138	580	166							

B: FAN 760 (6 POLES)

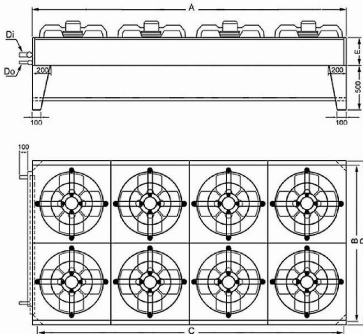
MODEL	Qn								DIMENSION						
	2Rows		3Rows		4Rows		6Rows		St	A	B	C	D	Di	Do
	KW	R.T	KW	R.T	KW	R.T	KW	R.T	m ²	mm					
A*B1*A****	27	7.6	36	10.3	43.5	12.3	53.5	15.3	0.93	990	960	920	1020	28	22
A*B1*C****	28	8	37.5	10.6	44.8	12.8	55	15.6							
A*B2*A****	54	15.2	72	20.5	87	24.5	107	30.5	1.86	1980	960	1910	1020	35	28
A*B2*C****	56	16	75	21.3	89.5	25.5	110	31.3							
A*B3*A****	81	23	108	31	131	37	161	46	2.79	2940	960	2870	1020	35	28
A*B3*C****	84	24	113	32	135	38.5	165	47							
A*B4*A****	108	30.3	144	41	174	49.2	214	61	3.72	3900	960	3830	1020	42	35
A*B4*C****	112	32	150	42.5	176	51	221	62.5							
A*B5*A****	135	38	180	51.5	218	61.5	218	76.5	4.66	4860	960	4790	1020	42	35
A*B5*C****	140	40	188	53	224	64	273	78							
A*B6*A****	162	46	216	62	262	74	322	92	5.59	5820	960	5750	1020	54	42
A*B6*C****	168	48	226	64	270	77	330	94							
A*BM*A****	108	30.3	144	41	174	49.2	214	61	3.72	1980	1910	1910	1980	42	35
A*BM*C****	112	32	150	42.5	179	51	221	62.5							
A*BN*A****	162	46	216	62	262	74	322	92	5.59	2940	1910	2870	1980	54	42
A*BN*C****	168	48	226	64	270	77	330	94							
A*BP*A****	216	60.5	288	82	345	98.4	428	142	7.45	3900	1910	3830	1980	80	54
A*BP*C****	224	64	300	85	358	102	442	125							
A*BQ*A****	270	76	360	103	435	123	535	153	9.32	4860	1910	4790	1980	80	54
A*BQ*C****	280	80	375	106	448	128	548	156							
A*BR*A****	324	92	432	124	524	148	644	184	11.2	5820	1910	5750	1980	80	54
A*BR*C****	336	96	452	128	540	154	660	188							

- MODEL C

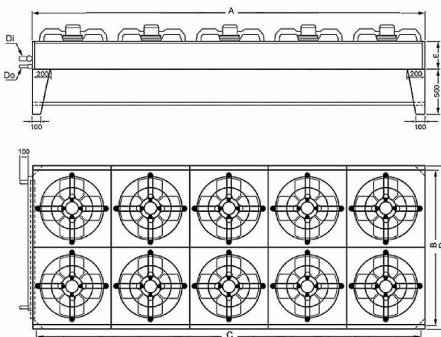


- A**M*****

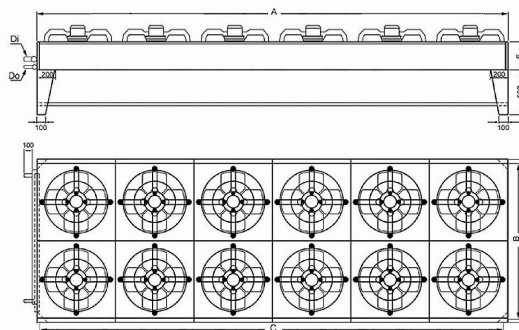
- A**N*****



- A**P*****



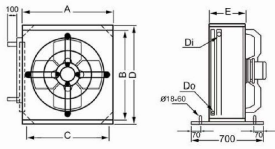
- A**Q*****



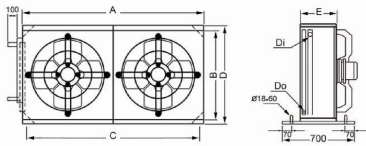
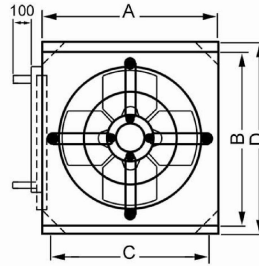
- A**R*****

For L,H,G,F fans E= 300 mm etc E= 520

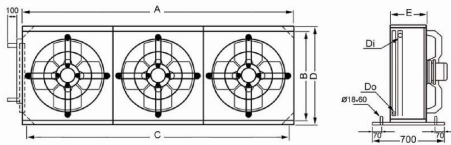
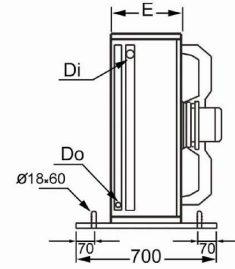
- MODEL K



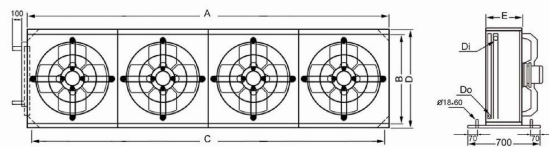
- A**1*****



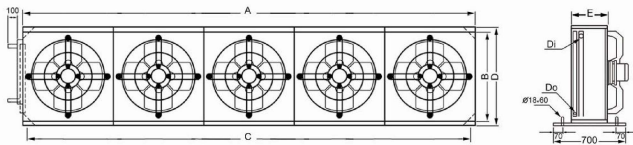
- A**2*****



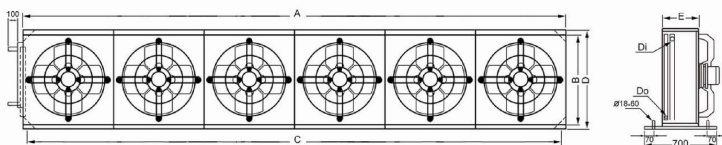
- A**3*****



- A**4*****



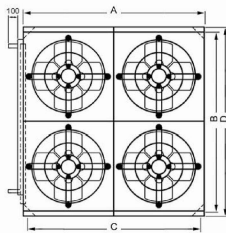
- A**5*****



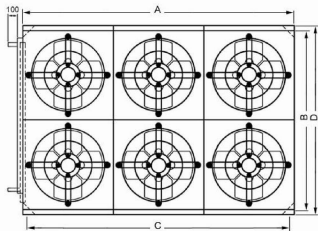
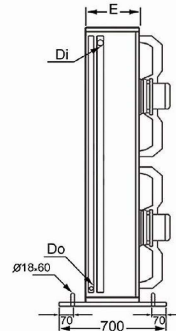
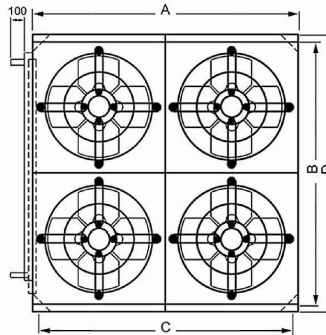
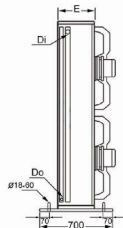
- A**6*****

For L,H,G,F fans E= 300 mm etc E= 520

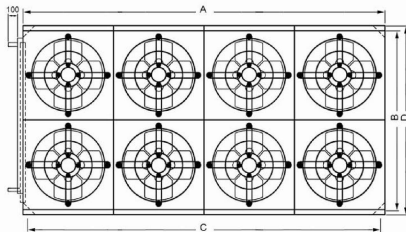
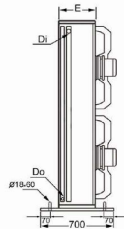
- MODEL K



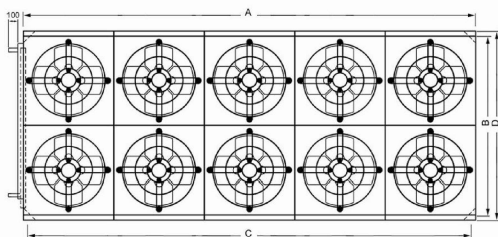
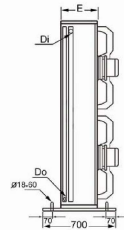
- A**M*****



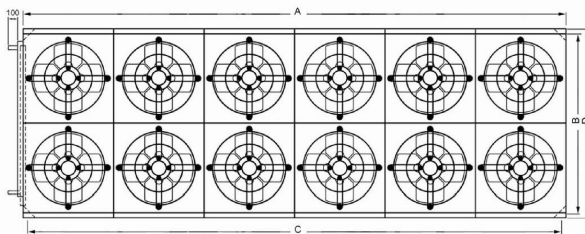
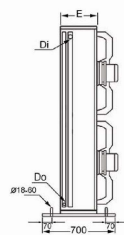
- A**N*****



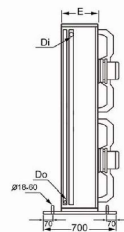
- A**P*****



- A**Q*****



- A**R*****



For L,H,G,F fans E= 300 mm etc E= 520

L: FAN 450 (6 POLES)

MODEL	Qn								DIMENSION						
	2Rows		3Rows		4Rows		6Rows		St	A	B	C	D	Di	Do
	KW	R.T	KW	R.T	KW	R.T	KW	R.T	m ²	mm					
AVL1*A****	11.5	3.25	15	4.25	18	5	21.5	6.1	0.58	640	600	500	840	28	22
AVL1*C****	12	3.4	15.5	4.4	18.5	5.25	22	6.25							
AVL2*A****	23	6.5	30	8.5	36	10	43	12.2	1.16	1240	600	500	1440	28	22
AVL2*C****	24	6.8	31	8.8	37	10.5	44	12.5							
AVL3*A****	34.5	9.75	45	12.8	54	15	64.5	18.3	1.73	1830	600	500	2030	28	22
AVL3*C****	36	10.2	46.5	13.2	55.5	15.8	66	18.8							
AVL4*A****	46	13	60	17	72	20	86	24.4	2.31	2420	600	500	2620	28	22
AVL4*C****	48	13.6	62	17.6	74	21	88	25							
AVL5*A****	55.5	16.3	75	21.3	90	25	108	30.5	2.89	3010	600	500	3210	35	38
AVL5*C****	60	17	77.5	22	82.5	26.3	110	31.3							
AVL6*A****	69	19.5	90	25.6	108	30	129	36.6	3.47	3600	600	500	3800	35	38
AVL6*C****	72	20.4	93	26.4	111	31.6	132	37.6							
AVLM*A****	46	13	60	17	72	20	86	24.4	2.31	1240	1200	900	1440	35	28
AVLM*C****	48	13.6	62	17.6	74	21	88	25							
AVLN*A****	69	19.5	90	25.6	108	30	129	36.6	3.47	1830	1200	900	2030	35	28
AVLN*C****	72	20.4	93	26.4	111	31.6	132	37.6							
AVLP*A****	92	26	120	34	144	40	172	48.8	4.62	2440	1200	900	2640	42	35
AVLP*C****	96	27.2	124	35.2	148	42	176	50							
AVLQ*A****	115	32.5	150	42.5	180	50	215	61	5.78	3010	1200	900	3210	42	35
AVLQ*C****	120	34	155	44	185	52.5	220	62.5							
AVLR*A****	138	39	180	50.2	216	60	258	73.2	6.94	3600	1200	900	3800	42	35
AVLR*C****	144	40.8	186	52.8	222	63.2	264	75.2							

H: FAN 500 (6 POLES)

MODEL	Qn								DIMENSION						
	2Rows		3Rows		4Rows		6Rows		St	A	B	C	D	Di	Do
	KW	R.T	KW	R.T	KW	R.T	KW	R.T	m ²	mm					
AVH1*A****	16	4.5	20.2	5.75	22.8	6.5	25.8	7.3	0.74	850	800	600	1050	28	22
AVH1*C****	16.5	4.7	20.5	5.8	23	6.6	26.4	7.5							
AVH2*A****	32	9	40.4	11.5	45.6	13	51.6	14.6	1.49	1650	800	600	1850	28	22
AVH2*C****	33	9.4	41	11.6	46	13.2	52.8	15							
AVH3*A****	48	13.5	60.6	17.3	68.5	19.5	77.5	22	2.23	2440	800	600	2640	28	22
AVH3*C****	49.5	14	61.5	17.5	69	19.8	79.2	22.5							
AVH4*A****	64	18	81	23	91.2	26	103	29.2	2.97	3230	800	600	3430	35	28
AVH4*C****	66	18.8	82	23.2	92	26.4	106	30							
AVH5*A****	80	22.2	101	28.7	114	32.5	129	36.5	3.72	4020	800	600	4220	35	28
AVH5*C****	82.5	23.5	103	29	115	33	132	37.5							
AVH6*A****	98	27	121	34.6	137	39	155	44	4.56	4810	800	600	5010	35	28
AVH6*C****	99	28	123	35	138	39.6	159	45							
AVHM*A****	64	18	81	23	93.2	26	103	29.2	2.97	1650	1600	1000	1850	35	28
AVHM*C****	66	18.8	82	23.2	92	26.4	106	30							
AVHN*A****	56	27	121	35.6	137	39	155	44	4.56	2440	1600	1000	2640	35	28
AVHN*C****	99	28	123	35	138	39.6	159	45							
AVHP*A****	128	36	162	46	182	52	206	58.6	5.95	3230	1600	1000	3430	42	35
AVHP*C****	132	37.6	164	46.2	184	52.8	212	60							
AVHQ*A****	160	45	202	57.5	228	65	258	73	7.43	4020	1600	1000	4220	42	35
AVHQ*C****	165	47	205	58	230	66	264	75							
AVHR*A****	196	54	242	69.2	274	78	310	88	8.92	4810	1600	1000	5010	42	42
AVHR*C****	198	56	246	70	276	79.2	318	90							

G : FAN 500 (4 POLES)

MODEL	Qn								DIMENSION						
	2Rows		3Rows		4Rows		6Rows		St	A	B	C	D	Di	Do
	KW	R.T	KW	R.T	KW	R.T	KW	R.T	m ²	mm					
AVG1*A****	21	6	27.5	7.75	32	9.1	38	10.8	0.74	850	800	550	1050	28	22
AVG1*C****	21.7	6.2	28.1	8	32.8	9.3	38.7	11							
AVG2*A****	42	12	55	15.5	64	18.2	76	21.6	1.49	1650	800	550	1850	28	22
AVG2*C****	43.4	12.4	56.2	16	65.6	18.6	77.5	22							
AVG3*A****	63	18	82.5	23.3	96	27.7	114	32.5	2.23	2440	800	550	2640	35	28
AVG3*C****	64	18.6	84.3	24	98.5	28	117	33							
AVG4*A****	84	24	110	31	128	36.4	152	43.2	2.97	3230	800	550	3430	35	28
AVG4*C****	86.8	24.8	113	32	131	37.2	155	44							
AVG5*A****	105	30	138	38.8	160	45.5	190	54	3.72	4020	800	550	4220	35	35
AVG5*C****	108	31	140	40	164	46.5	194	55							
AVG6*A****	126	36	165	46.6	192	55.4	228	65	4.56	4810	800	550	5010	42	35
AVG6*C****	128	37.2	169	48	197	56	234	66							
AVGM*A****	84	24	110	31	128	36.4	152	43.2	2.97	1650	1600	1000	1850	35	28
AVGM*C****	86.8	24.8	113	32	131	37.2	155	44							
AVGN*A****	126	36	165	46.6	192	55.4	228	65	4.56	2440	1600	1000	2640	42	35
AVGN*C****	128	37.2	169	48	197	56	234	66							
AVGP*A****	168	48	220	62	256	72.8	304	86.4	5.95	3230	1600	1000	3430	54	42
AVGP*C****	174	49.6	226	64	262	74.4	310	88							
AVGQ*A****	210	60	275	77.5	320	91	380	108	7.43	4020	1600	1000	4220	54	42
AVGQ*C****	217	62	281	80	328	93	387	10							
AVGR*A****	252	72	330	93.2	284	111	456	130	8.92	4810	1600	1000	5010	54	42
AVGR*C****	256	74.4	338	96	394	112	468	132							

Dimension & capacity for condenser with A type fan is similar to condenser with G type fan

F: FAN 630 (6 POLES)

MODEL	Qn								DIMENSION						
	2Rows		3Rows		4Rows		6Rows		St	A	B	C	D	Di	Do
	KW	R.T	KW	R.T	KW	R.T	KW	R.T	m ²	mm					
AVF1*A****	22.3	6.3	30	8.5	35	10	42.5	12	0.74	850	800	600	1050	28	22
AVF1*C****	23.1	6.6	30.8	8.75	36.3	10.3	44	12.5							
AVF2*A****	44.6	12.6	60	17	70	20	85	24	1.49	1650	800	600	1850	28	22
AVF2*C****	46.2	13.2	61.5	17.5	72.5	20.6	88	25							
AVF3*A****	67	19	90	25.5	105	30	128	36	2.23	2440	800	600	2640	35	28
AVF3*C****	69.3	19.8	92	26.3	109	31	132	37.5							
AVF4*A****	89.2	25.2	120	34	140	40	170	48	2.97	3230	800	600	3430	42	35
AVF4*C****	92.5	26.4	123	35	145	41.2	176	50							
AVF5*A****	112	31.5	150	42.5	175	50	213	60	3.72	4020	800	600	4220	42	35
AVF5*C****	116	33	154	43.8	182	51.5	220	61.5							
AVF6*A****	134	38	180	51	210	60	256	72	4.56	4810	800	600	5010	42	35
AVF6*C****	139	39.6	184	52.6	218	62	264	75							
AVFM*A****	89.2	25.2	120	34	140	40	170	48	2.97	1650	1600	1000	1850	42	35
AVFM*C****	92.5	26.4	123	35	145	41.2	176	50							
AVFN*A****	134	38	180	51	210	60	256	72	4.56	2440	1600	1000	2640	42	35
AVFN*C****	139	39.6	184	52.6	218	62	264	75							
AVFP*A****	179	50.4	240	68	280	80	340	96	5.95	3230	1600	1000	3430	54	42
AVFP*C****	185	52.8	246	70	290	82.4	352	100							
AVFQ*A****	223	63	300	85	350	100	425	120	7.43	4020	1600	1000	4220	54	42
AVFQ*C****	231	66	308	87.5	363	103	440	123							
AVFR*A****	268	76	460	102	420	12	512	144	8.92	4810	1600	1000	5010	80	54
AVFR*C****	279	79.2	468	105	436	124	528	150							

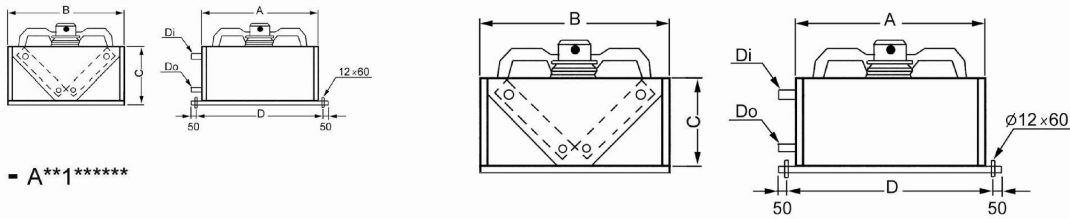
E: FAN 710 (6 POLES)

MODEL	Qn								DIMENSION						
	2Rows		3Rows		4Rows		6Rows		St m ²	A	B	C	D	Di	Do
	KW	R.T	KW	R.T	KW	R.T	KW	R.T							
AVE1*A****	28.1	8	37	10.5	42.8	12.2	50.5	14.3	1.08	990	1000	700	1190	28	22
AVE1*C****	29.3	8.3	38.5	11	44	12.5	51.5	14.7							
AVE2*A****	56.2	16	74	21	85.6	24.5	101	28.5	2.16	1980	1000	700	2180	35	28
AVE2*C****	58.5	16.5	77	22	88	25	103	29.5							
AVE3*A****	84.3	24	111	31.5	129	36.6	151	43	3.24	2940	1000	700	3140	35	28
AVE3*C****	88	25	116	33	132	37.5	155	44.1							
AVE4*A****	113	32	148	42	171	49	202	57	4.32	3900	1000	700	4100	42	35
AVE4*C****	117	33	154	44	176	50	206	59							
AVE5*A****	141	40	185	52.5	214	61	253	71.5	5.40	4860	1000	700	5060	42	35
AVE5*C****	147	41.5	193	55	220	62.5	258	73.5							
AVE6*A****	169	48	222	63	258	73.2	302	86	6.48	5820	1000	700	6020	54	42
AVE6*C****	176	50	232	66	264	75	310	88.2							
AVEM*A****	113	32	148	42	171	49	202	57	4.32	1980	2000	1200	2180	42	35
AVEM*C****	117	33	154	44	176	50	206	59							
AVEN*A****	169	48	222	63	258	73.2	314	86	6.48	2940	2000	1200	3140	54	42
AVEN*C****	176	50	232	66	264	75	32	88.2							
AVEP*A****	226	64	296	84	342	98	404	114	8.64	3900	2000	1200	4100	54	42
AVEP*C****	234	66	308	88	352	100	412	118							
AVEQ*A****	281	80	370	105	428	122	505	143	10.8	4860	2000	1200	5060	80	54
AVEQ*C****	293	83	385	110	440	125	515	147							
AVER*A****	338	96	444	126	516	147	604	172	13.0	5820	2000	1200	6020	80	54
AVER*C****	332	100	464	132	528	150	620	177							

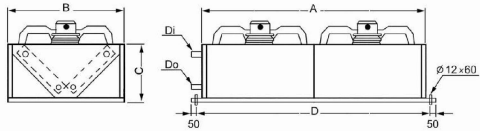
B: FAN 760 (6 POLES)

MODEL	Qn								DIMENSION						
	2Rows		3Rows		4Rows		6Rows		St m ²	A	B	C	D	Di	Do
	KW	R.T	KW	R.T	KW	R.T	KW	R.T							
AVB1*A****	30.8	8.75	40.7	11.6	48	13.7	58	16.5	1.08	990	1000	700	1190	28	22
AVB1*C****	32.2	9.2	42.2	12	50	14.2	59.5	17							
AVB2*A****	61.5	17.5	81.5	23.2	96	27.5	116	33	2.16	1980	1000	700	2180	35	28
AVB2*C****	64.5	18.5	84.5	24	100	28.5	119	34							
AVB3*A****	92.5	26.2	123	35	140	40	176	50	3.24	2940	1000	700	3140	42	35
AVB3*C****	97	27.6	127	36	150	42.5	179	51							
AVB4*A****	123	35	163	46.4	192	55	232	66	4.32	3900	1000	700	4100	42	35
AVB4*C****	129	37	169	48	200	57	238	68							
AVB5*A****	155	44	2.4	58	240	68.5	290	82.5	5.40	4860	1000	700	5060	54	42
AVB5*C****	160	46	211	60	250	71	298	85							
AVB6*A****	185	52.5	246	70	280	80	352	100	6.48	5820	1000	700	6020	54	42
AVB6*C****	194	55.2	254	72	300	85	358	102							
AVBM*A****	123	35	163	46.4	192	55	232	66	4.32	1980	2000	1200	2180	42	35
AVBM*C****	129	37	169	48	200	57	238	68							
AVBN*A****	185	52.5	246	70	280	80	352	100	6.48	2940	2000	1200	3140	54	42
AVBN*C****	194	55.2	254	72	300	85	358	102							
AVBP*A****	246	70	327	93	184	110	464	132	8.64	3900	2000	1200	4100	54	42
AVBP*C****	258	74	338	96	400	114	476	136							
AVBQ*A****	308	87.5	407	116	480	137	580	165	10.8	4860	2000	1200	5060	80	54
AVBQ*C****	322	92	422	120	500	142	595	170							
AVBR*A****	370	105	492	140	560	160	704	200	13.0	5820	2000	1200	6020	80	54
AVBR*C****	390	111	508	144	600	170	716	204							

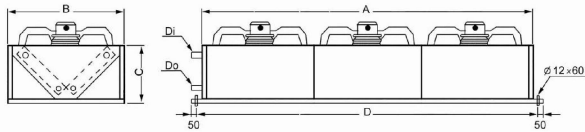
- MODEL V



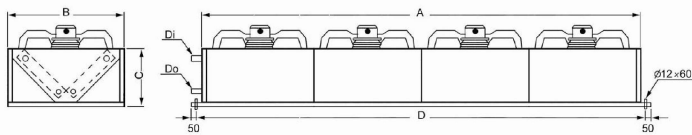
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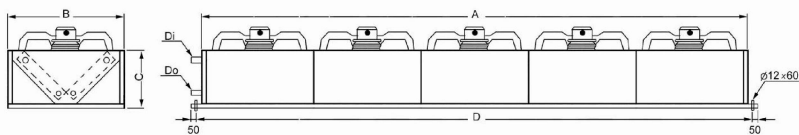
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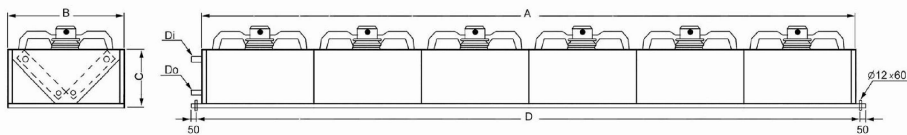
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- A**4*****

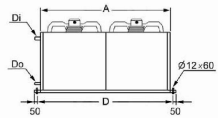
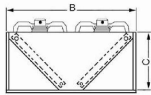
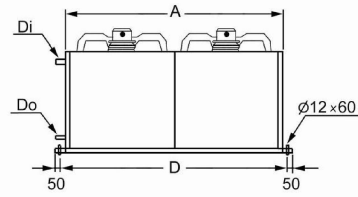
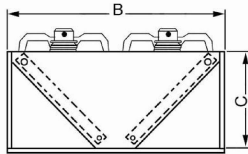


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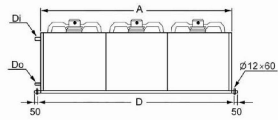
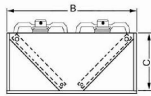


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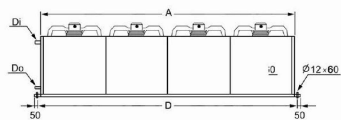
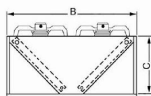
- MODEL V



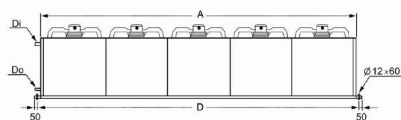
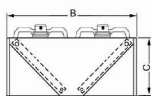
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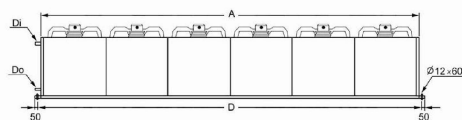
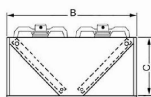
- A**N*****



- A**P*****



- A**Q*****



- A**R*****