

Dry Cooler

SAL 500 - EAL 900

DRY COOLERS (Small and medium capacity)



◆ **Solution**

B - Base

◆ **Version**

ST - Standard

LN - Low noise

◆ **Equipment**

FV - Vertical air flow

Capacity 15 - 1086 kW

Features

• **Structure**

The patented structure, extensively tested on vibrating tables, provides important advantages: Casings are made of corrosion-resistant galvanized steel with an epoxy-polyester powder coating. The headers, return bends and junction boxes are all protected.

• **Heat exchanger**

The extraordinary efficiency of the heat exchanger stems from the optimum combination of special aluminium fins with copper tubes.

• **Coil suspension**

The coil suspension system (SAFETUBES SYSTEM®) ensures that the tubes are completely protected during transportation, installation and operation of the dry cooler.

• **Fans**

The air cooled condensers and dry coolers can be fitted with the new electronic fans developed using EC technology, dramatically reducing energy consumption. The fans are also fitted with a control system which can modulate the rotation speed depending on requirements, with excellent acoustic performance.

Accessories

• **THE WHISPERER® - Silencer**

This compact silencer dramatically reduces sound pressure level up to 5 dB(A).

• **Dry and Spray**

The extraordinary performance levels due to highly efficient water nebulization mean that this product is an alternative to traditional cooling towers with additional important advantages.

• **Water Spray System**

The new product is made up of a water spray system mounted on standard condensers and dry coolers which sprays finely nebulized water in the opposite direction to the air flow crossing the coils. In this way it is possible to cool the air entering the coils thus increasing the capacity of dry coolers and condensers.

Technical data



SAL Ø 500

STEEL PROTECTED SUPER SILENT EFFICIENT

MODELS		4411M	4421D	4431C	4446D	4466C
Capacity (1)	kW	15,0	30,5	45,5	61,0	90,0
Air flow	mc/h	4300	8600	12900	17200	25800
Sound pressure (2)	dB(A)	38	41	42	44	45



SAL Ø 630

STEEL PROTECTED SUPER SILENT EFFICIENT STS SAFETUBES SYSTEM

MODELS		6410L	6411L	6420C	6421C	6430B	6431F	6440B	6441B	6450B	6451B	6445C	6446B	6465B	6466F	6485B	6486B
Capacity (1)	kW	21	26	44	51	64	77	88	103	105	131	89	105	131	159	180	211
Air flow	mc/h	8500	7800	17000	15600	25500	23400	34000	31200	42500	39000	34000	31200	51000	46800	68000	62400
Sound pressure (2)	dB(A)	43	43	46	46	47	47	48	48	49	49	48	48	50	50	51	51



SAL Ø 800

STEEL PROTECTED SUPER SILENT EFFICIENT STS SAFETUBES SYSTEM

MODELS		2122C	2112B	2121B	2122F	2131E	2132E	2141A	2142A	2151A	2152A	2221B	2222F
Capacity (1)	kW	51	57	102	114	159	171	204	222	262	282	204	228
Air flow	mc/h	17200	16100	34400	32200	51600	48300	68800	64400	86000	80500	68800	64400
Sound pressure (2)	dB(A)	48	48	50	50	52	52	53	53	53	53	53	53

MODELS		2231E	2232E	2241A	2242A	2251A	2252A	2261N	2262N	2271N	2272N	2281N	2282N
Capacity (1)	kW	318	342	408	444	524	564	633	686	745	806	857	927
Air flow	mc/h	103200	96600	137600	128800	172000	161000	206400	193200	240800	225400	275200	257600
Sound pressure (2)	dB(A)	54	54	55	55	56	56	57	57	58	58	58	58



XAL Ø 900-1000

STEEL PROTECTED SUPER SILENT EFFICIENT STS SAFETUBES SYSTEM

MODELS		2711C	3711C	2712B	3712E	2713A	3713A	2714A	3714A	2715N	3715N	2716N	3716N	2722B	3722B	2723A	3723A
Capacity (1)	kW	83	91	168	183	248	272	341	374	436	478	534	583	340	372	512	562
Air flow	mc/h	27200	25700	54400	51400	81600	77100	108800	102800	136000	128500	163200	154200	108800	102800	163200	154200
Sound pressure (2)	dB(A)	54	54	56	56	58	58	58	58	59	59	60	60	58	58	60	60

MODELS		2724A	3724A	2725N	3725N	2726N	3726N	5911C	6911C	5912B	6912E	5913A	6913A	5914A	6914A	5915N	6915N
Capacity (1)	kW	698	764	885	967	1072	1170	78	85	157	170	232	253	320	347	409	443
Air flow	mc/h	217600	205600	272000	257000	326400	308400	24500	23300	49000	46600	73500	69900	98000	93200	122500	116500
Sound pressure (2)	dB(A)	61	61	62	62	63	63	52	52	54	54	56	56	56	56	57	57

MODELS		5916N	6916N	5922B	6922B	5923A	6923A	5924A	6924A	5925N	6925N	5926N	6926N
Capacity (1)	kW	500	541	318	345	480	522	655	710	829	898	1004	1086
Air flow	mc/h	147000	139800	98000	93200	147000	139800	196000	186400	245000	233000	294000	279600
Sound pressure (2)	dB(A)	58	58	56	56	58	58	59	59	60	60	61	61



EHL Ø 900

STEEL PROTECTED SUPER SILENT EFFICIENT STS SAFETUBES SYSTEM

MODELS		340C	342C	344B	346E	348A	350A	352A	354A	356N	358N	360N
Capacity (1)	kW	74	81	148	163	216	239	295	325	375	411	454
Air flow	mc/h	26500	24500	53000	49000	79500	73500	106000	98000	132500	122500	159000
Sound pressure (2)	dB(A)	58	58	60	60	62	62	62	62	63	63	64

MODELS		362N	364B	366B	368A	370A	372A	374A	376N	378N	380N	382N
Capacity	kW	498	296	325	433	477	591	650	749	823	908	996
Air flow	mc/h	147000	106000	98000	159000	147000	212000	196000	265000	245000	318000	294000
Sound pressure (2)	dB(A)	64	62	62	64	64	65	65	66	66	67	67



EAL Ø 800-900

STEEL PROTECTED SUPER SILENT EFFICIENT STS SAFETUBES SYSTEM

MODELS		6111C	6112C	6121B	6122E	6131A	6132A	6141A	6142A	6151N	6152N	6161N	6162N	6221B	6222B	6231A	6232A
Capacity (1)	kW	70	76	140	153	206	224	281	305	359	390	435	472	281	305	415	453
Air flow	mc/h	23500	22000	47000	44000	70500	66000	94000	88000	117500	110000	141000	132000	94000	88000	141000	132000
Sound pressure (2)	dB(A)	52	52	54	54	56	56	56	56	57	57	58	58	56	56	58	58

MODELS		6241A	6242A	6251N	6252N	6261N	6262N	7111C	7112C	7121B	7122E	7131A	7132E	7141A	7142A	7151N	7152N
Capacity (1)	kW	572	623	725	788	879	953	61	66	122	131	178	201	243	263	308	332
Air flow	mc/h	188000	176000	235000	220000	282000	264000	19300	18200	38600	36400	57900	54600	77200	72800	96500	91000
Sound pressure (2)	dB(A)	59	59	60	60	61	61	48	48	50	50	52	52	52	52	53	53

MODELS		7161N	7162N	7221B	7222B	7231A	7232E	7241A	7242A	7251N	7252N	7261N	7262N
Capacity (1)	kW	373	402	243	263	356	402	486	526	616	664	746	804
Air flow	mc/h	115800	109200	77200	72800	115800	109200	154400	145600	193000	182000	231600	218400
Sound pressure (2)	dB(A)	54	54	52	52	54	54	55	55	56	56	57	57

Note:

1 Outdoor air temperature 20°C - Mixture with ethylene glycol to 34% IN/OUT 35/30°C

2 Sound pressure measured at 15 m open field conditions.

Data referred to units with 6-pole motors. There are many other configurations; for more details, see the specific catalogue.

Dry Cooler

XDHL - XXLD

DRY COOLERS (Medium and large capacity)



- ◆ **Solution**
B - Base
- ◆ **Version**
ST - Standard
LN - Low noise
- ◆ **Equipment**
FV - Vertical air flow

Capacity 86 - 2333 kW

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Technical data



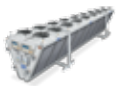
XDHL



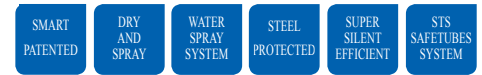
MODELS	1114D	1115L	1124F	1125C	1134B	1135F	1144B	1145B	1154A	1155E	1164A	1165N	1174A	1175N	1184A	1185N	
Capacity	kW	86	97	174	195	264	297	362	398	440	507	537	592	640	704	737	810
Air flow	mc/h	28600	27100	57200	54200	85800	81300	114400	108400	143000	135500	171600	162600	200200	189700	228800	216800
Sound pressure	dB(A)	57	57	60	60	62	62	63	63	64	64	64	65	65	65	65	65

MODELS	2114D	2115L	2124F	2125C	2134B	2135F	2144B	2145B	2154A	2155E	2164A	2165N	2174A	2175N	2184A	2185N	
Capacity	kW	79	87	159	177	241	269	331	360	403	458	491	536	585	637	674	733
Air flow	mc/h	24900	23600	49800	47200	74700	70800	99600	94400	124500	118000	149400	141600	174300	165200	199200	188800
Sound pressure	dB(A)	51	51	54	54	56	56	57	57	58	58	58	59	59	59	59	59

MODELS	3114L	3115L	3124C	3125C	3134F	3135F	3144B	3145B	3154B	3155E	3164A	3165E	3174A	3175N	3184A	3185N	
Capacity	kW	69	74	140	150	214	228	286	306	365	389	425	470	505	541	582	623
Air flow	mc/h	20000	19100	40000	38200	60000	57300	80000	76400	100000	95500	120000	114600	140000	133700	160000	152800
Sound pressure	dB(A)	47	47	50	50	52	52	53	53	54	54	54	55	55	55	55	55



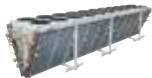
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MODELS	1226F	1227F	1236B	1237B	1246B	1247E	1256A	1257A	1266A	1267A	1276A	1277A	1286N	1287N	1296N	1297N	
Capacity	kW	359	395	544	599	738	810	894	985	1098	1209	1294	1422	1504	1651	1703	1867
Air flow	mc/h	120400	114400	180600	171600	240800	228800	301000	286000	361200	343200	421400	400400	481600	457600	541800	514800
Sound pressure	dB(A)	63	63	65	65	66	66	67	67	67	67	68	68	68	68	68	68

MODELS	2226F	2227F	2236B	2237B	2246B	2247E	2256A	2257A	2266A	2267A	2276A	2277A	2286N	2287N	2296N	2297N	
Capacity	kW	328	357	497	540	674	731	817	890	1004	1091	1182	1283	1373	1490	1554	1683
Air flow	mc/h	104400	99600	156600	149400	208800	199200	261000	249000	313200	298800	365400	348600	417600	398400	469800	448200
Sound pressure	dB(A)	57	57	59	59	60	60	61	61	61	61	62	62	62	62	62	62

MODELS	3226C	3227C	3236B	3237F	3246B	3247B	3256E	3257E	3266A	3267A	3276A	3277A	3286A	3287A	2396A	3297A	
Capacity	kW	287	307	428	466	580	619	731	780	856	917	1017	1087	1181	1262	1336	1426
Air flow	mc/h	84000	80400	126000	120600	168000	160800	210000	201000	252000	241200	294000	281400	336000	321600	378000	361800
Sound pressure	dB(A)	53	53	55	55	56	56	57	57	57	57	58	58	58	58	58	58



XXLD



MODELS	9083B	9084B	9103E	9104E	9123A	9124A	9143A	9144A	9163N	9164N	9183N	9184N	9203N	9204N	9223N	9224N	
Capacity	kW	725	798	927	1018	1075	1185	1281	1411	1478	1625	1691	1857	1907	2093	2127	2333
Air flow	mc/h	242400	229600	303000	287000	363600	344400	424200	401800	484800	459200	545400	516600	606000	574000	666600	631400
Sound pressure	dB(A)	66	66	67	67	67	67	68	68	68	68	69	69	69	69	70	70

MODELS	9085B	9086B	9105E	9106E	9125A	9126A	9145A	9146A	9165N	9166N	9185N	9186N	9205N	9206N	9225N	9226N	
Capacity	kW	663	721	847	919	983	1072	1171	1275	1351	1468	1544	1677	1741	1889	1941	2105
Air flow	mc/h	210400	200000	263000	250000	315600	300000	368200	350000	420800	400000	473400	450000	526000	500000	578600	550000
Sound pressure	dB(A)	60	60	61	61	61	61	61	62	62	62	62	63	63	63	64	64

Note:

1 Outdoor air temperature 20°C - Mixture with ethylene glycol to 34% IN/OUT 35/30°C

2 Sound pressure measured at 15 m open field conditions.

Data referred to units with 6-pole motors. There are many other configurations; for more details, see the specific catalogue.