

LES LESL  
**AIR-COOLER SERIES**

**DUAL DISCHARGE AIR-COOLER**



**LUTHER-BACH HEAT EXCHANGER CO.,LTD**

# BASIC VERSION

## PRODUCTS FEATURES

LES LESL series dual discharge Air-cooler is one kind of storage cooling equipment used in food operating and processing workshops.

LES LESL series Air-cooler air comes out on two directions, and air supply is soft. The flat, ceiling mounted design ensures optimal utilization of space and perfect distribution of cool air.

### CASING

The shell is made of aluminum plate; sprayed plastic surface is anti-corrosive, and its appearance is handsome.

The suspension brackets for ceiling mounting are positioned outside the air flow, to prevent air obstruction. This high performance Air-cooler is available for both air flow directions. As a result, this Air-cooler can be flexibly and effectively designed for individual refrigeration requirements – especially for complex applications.

### FANS

Radial fans are used for an optimum airflow and evenly divided airflow over the heat exchanger. The radial fans are extremely quiet running, have high corrosion resistance and are compatible of latest technology.

Optional: Long-distance air supply ducts can be used according to customers' requirements;

### HEAT EXCHANGER

Coiled pipes are mechanical expanding tubes in staggered arrangement; therefore, copper tubes and aluminum blade are combined closely and ensure good effect of heat exchange.

Air is discharged evenly on both sides of the air cooler. When mounted in the centre of the room or between suspension rails, the unit provides air circulation on both sides, resulting in a homogeneous room climate and uniform cooling of the products.

### MOTOR

All air-cooler use motors that boast large air volume and low rotating speed. Therefore, the air-cooler have low noise and nice appearance, and can be widely used in those refrigerating equipment that have strict requirements of noise.

## TYPE DESIGNATION CODE

1	2	3	4	5	6	7
LE	S	035	B	1	4	4

1. Luther-Bach Air-cooler
2. Bilateral Air-cooling Fan  
S: Blade spacing 4.2mm  
SL: Blade spacing 4.5mm
3. Diameter of Fans

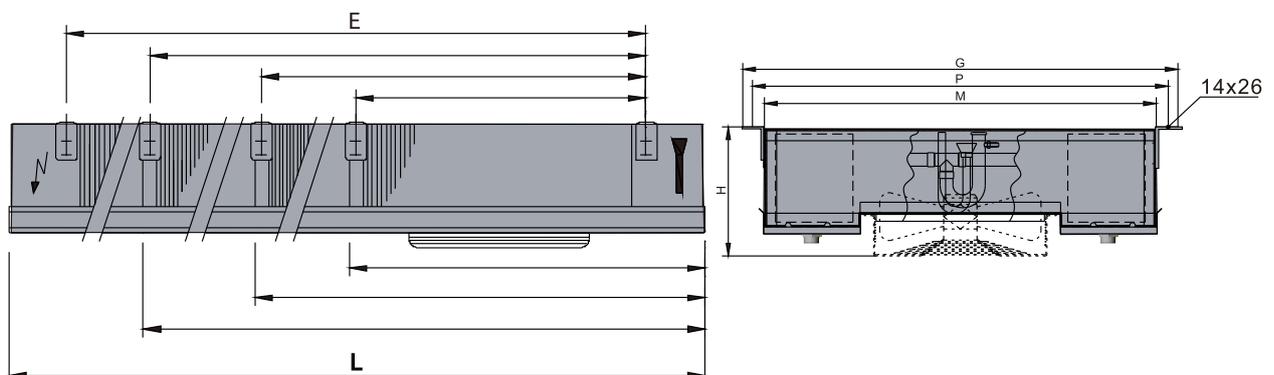
4. Row Number of Copper Tubes(A:4rows; B:6rows)
5. Quantity of Fans
6. Fan Spacing
7. Number of Poles in Motor

# TECHNICAL DATA OF LES AIR-COOLER

Model Specifications	Heat-exchange Area At=8K m <sup>2</sup>	Refrigerating capacity Temperature of storage 0°C KW	Fan							
			Diameter fan mm	Static pressure Pa	Quantity of Fans N	Air volume m <sup>3</sup> /h	Noise db(A)	Range m	Rated parameters of motor (Quadrupole)	
									W	A
LES-035A/144	13.5	2.86	350	40	1	2000	64	2x6	129	0.4A/380V
LES-035B/144	20.2	3.76	350	40	1	2000	64	2x5	129	0.4A/380V
LES-035A/244	26.3	5.74	350	40	2	2x2000	67	2x6	2x129	0.4A/380V
LES-035B/244	39.5	7.58	350	40	2	2x2000	67	2x5	2x129	0.4A/380V
LES-035A/344	39.2	8.64	350	40	3	3x2000	69	2x6	3x129	0.4A/380V
LES-035B/344	58.7	11.4	350	40	3	3x2000	69	2x5	3x129	0.4A/380V
LES-035A/444	52	11.49	350	40	4	4x2000	70	2x6	4x129	0.4A/380V
LES-035B/444	78	15.32	350	40	4	4x2000	70	2x5	4x129	0.4A/380V

Model Specifications	Dimensions						Coupling		Weight Kg	Diameter of copper tube L
	L	E	G	P	M	H	Inlet	Outlet		
	mm	mm	mm	mm	mm	mm	mm	mm	mm	
LES-035A/144	905	660	950	900	850	300	12	19	31	2.3
LES-035B/144	905	660	950	900	850	300	16	19	35	3.4
LES-035A/244	1505	1260	950	900	850	300	16	28	56	4.3
LES-035B/244	1505	1260	950	900	850	300	16	28	67	6.4
LES-035A/344	2105	1860	950	900	850	300	16	28	81	6.2
LES-035B/344	2105	1860	950	900	850	300	16	28	91	9.3
LES-035A/444	2705	2460	950	900	850	300	16	28	106	8.2
LES-035B/444	2705	2460	950	900	850	300	16	28	130	12.3

**Notes:** We can design and produce special non-standard products for customers

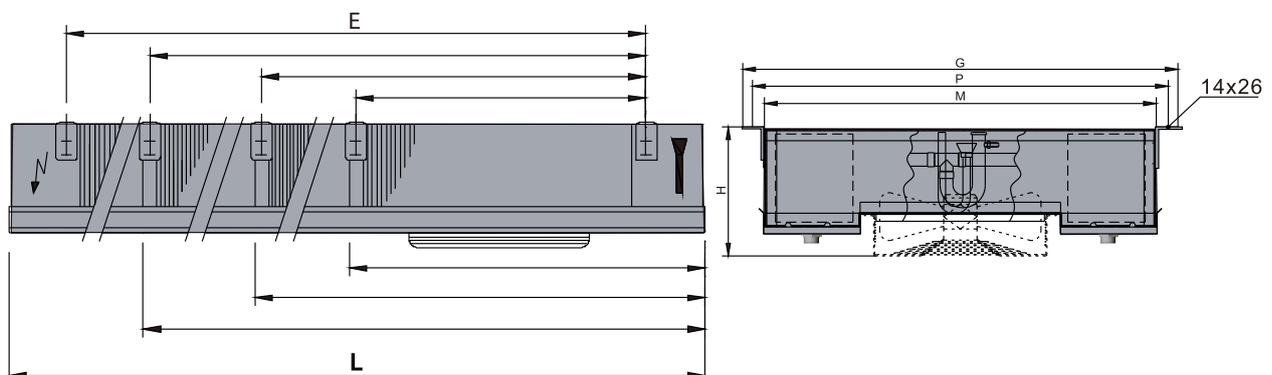


# TECHNICAL DATA OF LESL AIR-COOLER

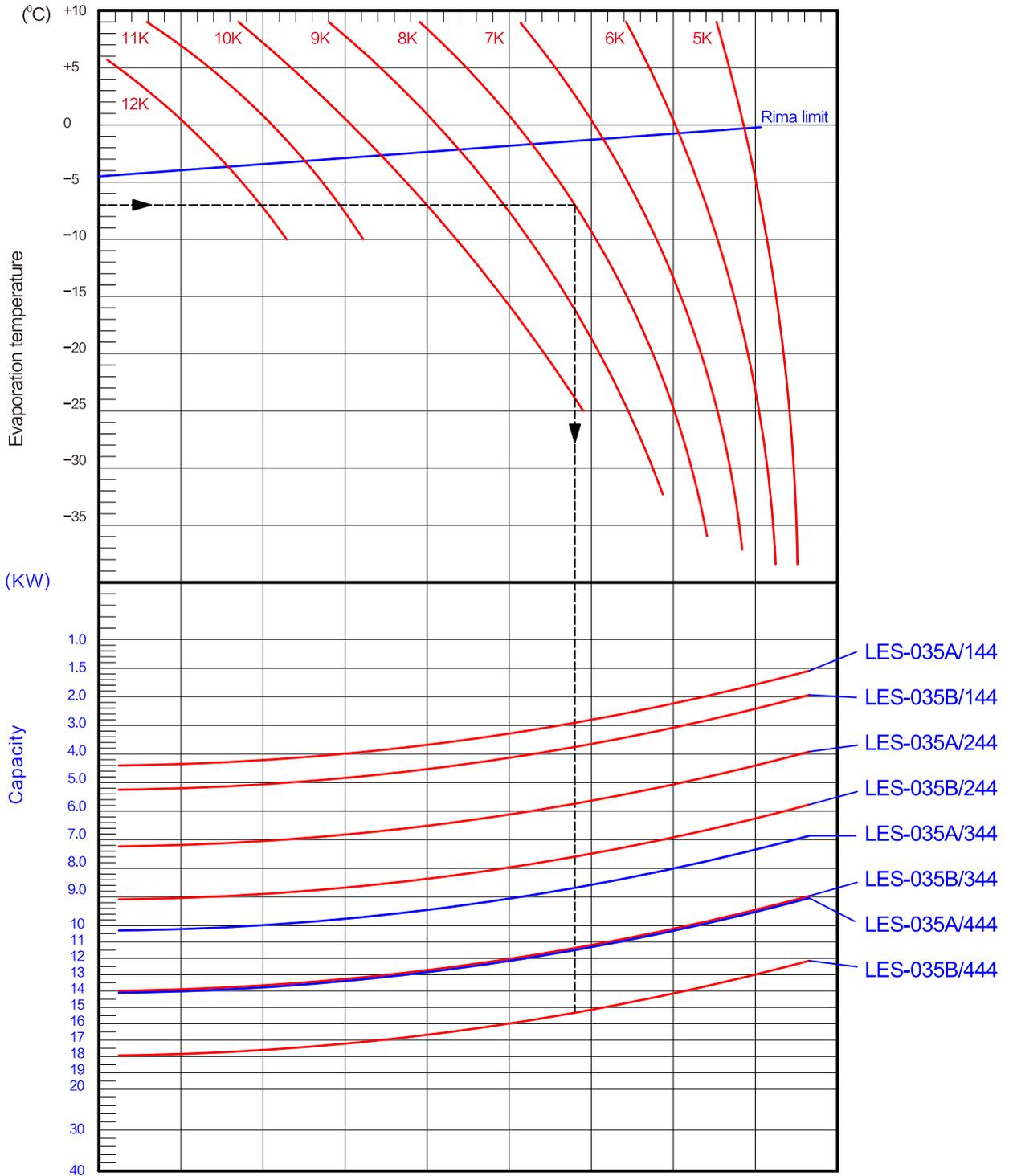
Model Specifications	Heat-exchange Area At=8K m <sup>2</sup>	Refrigerating capacity Temperature of storage 0°C KW	Fan							
			Diameter fan mm	Static pressure Pa	Quantity of Fans N	Air volume m <sup>3</sup> /h	Noise db(A)	Range m	Rated parameters of motor (Quadrupole)	
									W	A
LESL-60	60	12.6	400	60	2	2x3100	70	2x5	2x180	0.47A/380V
LESL-80	80	16.8	400	60	3	3x3100	72	2x5	3x180	0.47A/380V
LESL-100	100	21	400	60	3	3x3100	72	2x5	3x180	0.47A/380V
LESL-120	120	25.2	400	60	4	4x3100	73	2x5	4x180	0.47A/380V
LESL-140	140	29.4	400	60	4	4x3100	73	2x5	4x180	0.47A/380V
LESL-160	160	36.6	450	60	3	3x4500	74	2x6	3x250	0.55A/380V
LESL-180	180	37.8	450	60	4	4x4500	75	2x6	4x250	0.55A/380V
LESL-210	210	44.1	450	60	5	5x4500	76	2x6	5x250	0.55A/380V

Model Specifications	Dimensions						Coupling		Weight Kg	Diameter of copper tube L
	L	E	G	P	M	H	Inlet	Outlet		
	mm	mm	mm	mm	mm	mm	mm	mm	mm	
LESL-60	1380	1140	1004	963	900	385	16	25	75	9.5
LESL-80	1810	1540	1004	963	900	385	19	32	100	12.7
LESL-100	2110	1840	1004	963	900	385	19	32	115	15.1
LESL-120	2510	2240	1004	963	900	385	19	35	130	18.2
LESL-140	2830	2560	1004	963	900	385	19	35	148	20.8
LESL-160	2620	2350	1154	1113	1050	385	19	35	144	23.9
LESL-180	2910	2640	1154	1113	1050	385	25	42	186	26.8
LESL-210	3310	3040	1154	1113	1050	385	25	42	202	30.7

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### Application Range Tr Between 8~20°C





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