

LCF  
**AIR-COOLED CONDENSER**

**FLAT-PLATE  
VERTICAL DISCHARGE**



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

# BASIC VERSION

## PRODUCTS FEATURES

LCF series Air-cooled condenser is a radiator in Freon refrigerating equipment, which include multiple models and various fan sizes.

LCF series Air-cooled condenser makes use of horizontal air blows.

## CASING

The shell is made of quality steel plate; sprayed plastic surface is anti-corrosive which can combine up to various modules to an Air-Cooled Condenser. After plastic-sprayed treatment, the shell is anti-corrosive and durable.

The vertical series has been specially developed to reflect the latest market demands. Reduced footprint, lower noise level, improved capacity density and the greatest flexibility through configurable options to suit all requirements.

## FANS

All condensers use motors that boast large air volume and low rotating speed. Therefore, the condensers have low noise and nice appearance, and can be widely used in those refrigerating equipment that have strict requirements of noise to ensure the high level of quality our customers expect will be met.

## HEAT EXCHANGER

The design width of this cooling fan is reasonable, space between fan blade and aluminum fin is larger than 1/3 diameter of fan blade in order to ensure sufficient windward area.

There is a selection of a big number of models with different sound pressure levels and construction sizes, depending on the application.

## MOTOR

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

Heat-exchanging coiled pipes are highly efficient, clean and dry.

## TYPE DESIGNATION CODE

1	2	3	4	5	6	7
LC	F	08	6	2	6	6

1. Luther-Bach Condenser
2. Flat-plate Type
3. Diameter of Fan
4. NO. of Poles in Motor

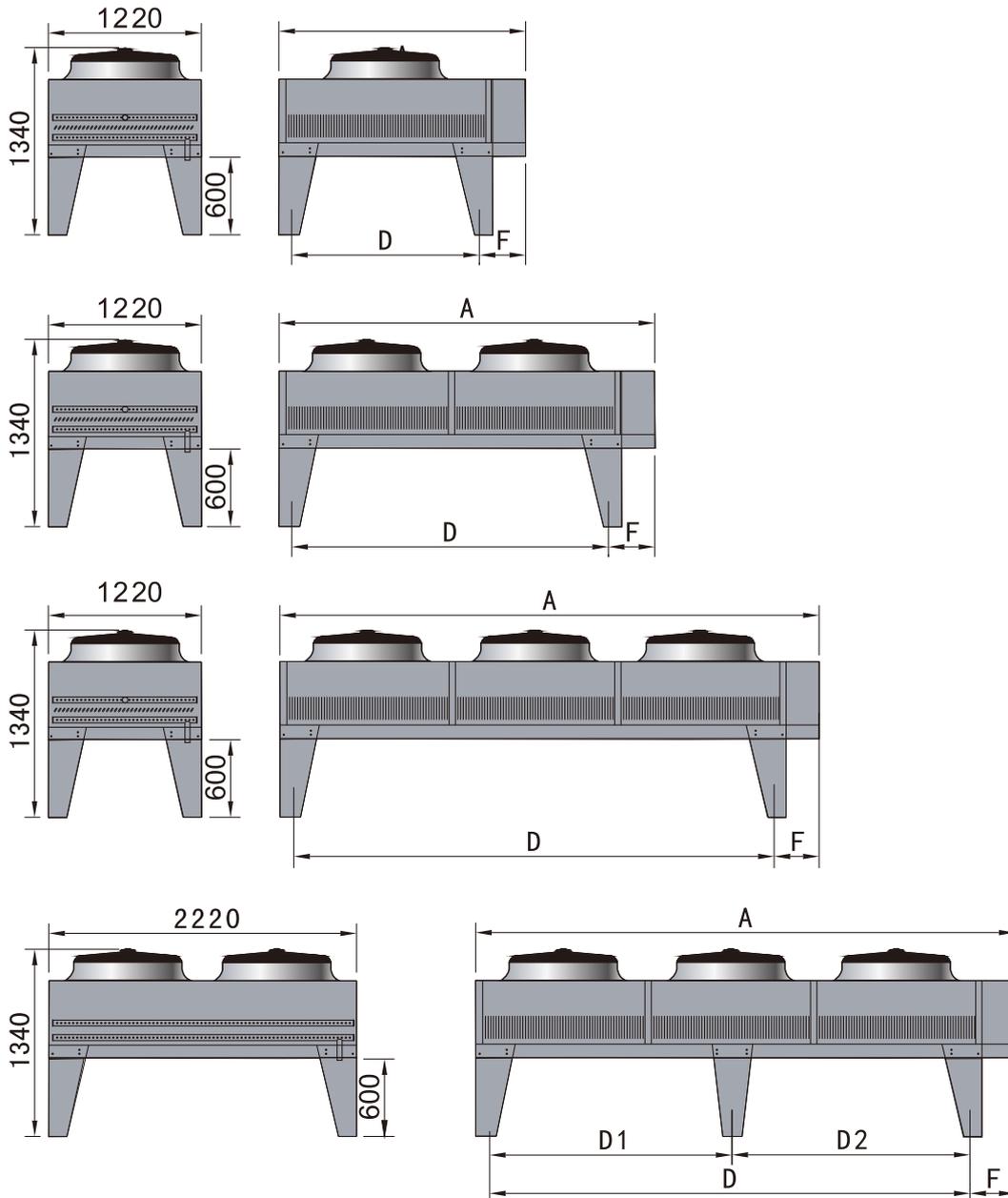
5. Row NO. of Fans
6. Quantity of Fans
7. Row NO. of Copper Tubes

# TECHNICAL DATA OF LCF CONDENSER

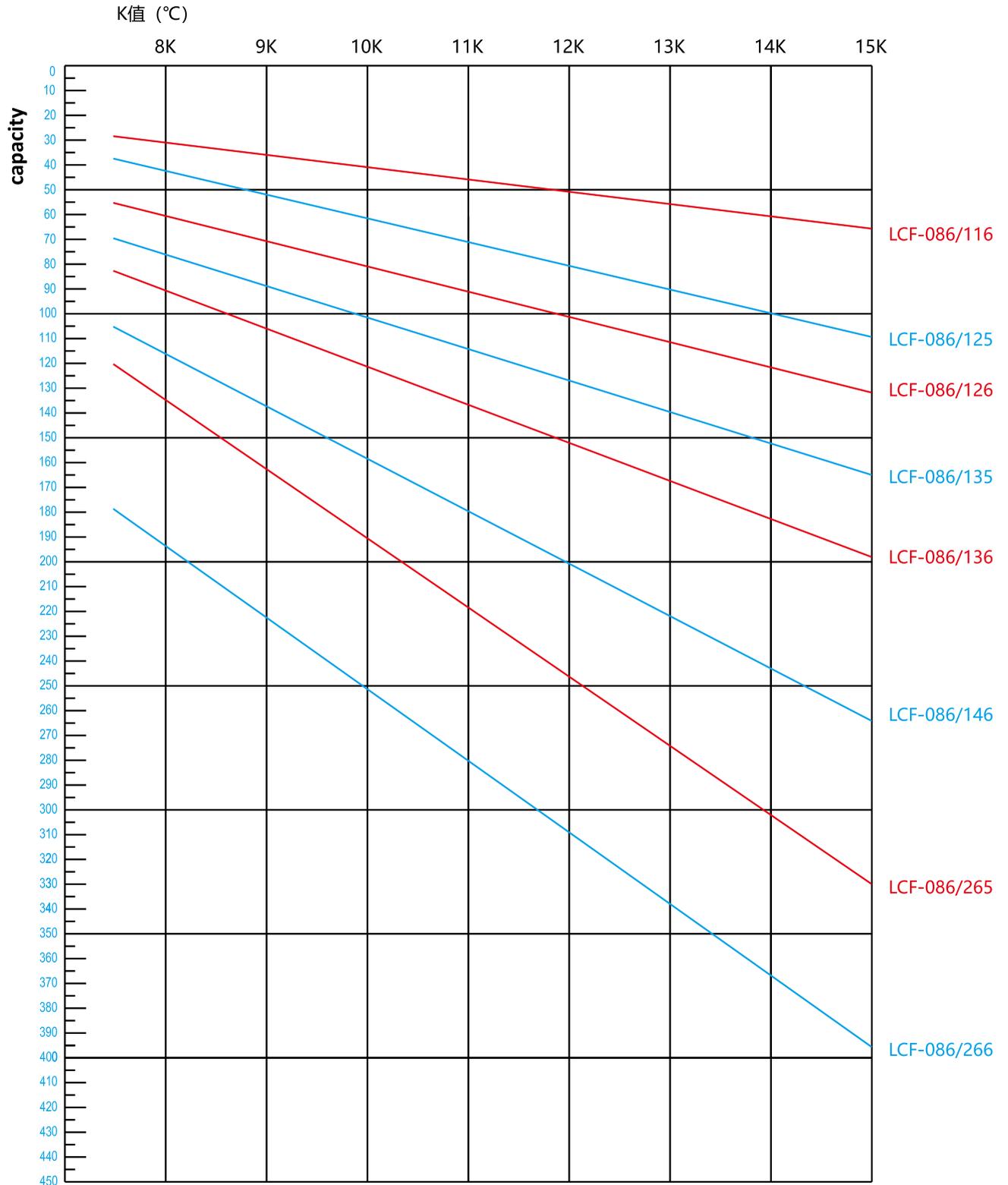
Model		Wiring of motor	Condenser heat $\Delta t=15K(KW)$	Air flow (m <sup>3</sup> /h)	Rotating speed of fan (r/min)	Total power (W)	Total curren (A)	10m sound pressure level (10m)	Conn. tube In/Out (mm)
Single Fan	LCF-086/116	Triangle	66	18660	890	1800	3.8	52	42/35
		Y type	60	14140	660	1150	2.2	46	
	LCF-088/116	Triangle	58	14770	670	800	1.95	45	42/35
		Y type	48	12200	670	490	1	41	
Double Fan	LCF-086/125	Triangle	109	39000	890	3600	7.6	54	42/35
		Y type	99	29680	660	3600	7.6	48	
	LCF-088/125	Triangle	96	30120	670	1600	3.9	47	42/35
		Y type	79	24920	670	1600	3.9	43	
	LCF-086/126	Triangle	132	37320	890	2300	4.4	54	54/42
		Y type	120	28280	660	2300	4.4	48	
	LCF-088/126	Triangle	116	24400	670	980	2	47	54/42
		Y type	96	45180	670	980	2	43	
Triple Fan	LCF-086/135	Triangle	165	58500	890	5400	11.4	56	54/42
		Y type	150	44520	660	5400	11.4	50	
	LCF-088/135	Triangle	145	37380	670	2400	5.85	49	54/42
		Y type	120	44310	670	2400	5.85	45	
	LCF-086/136	Triangle	198	55980	890	3450	6.6	56	54/42
		Y type	180	42420	660	3450	6.6	50	
LCF-088/136	Triangle	174	36600	510	2400	3	49	54/42	
	Y type	144	56080	510	1470	3	45		
Fourfold Fan	LCF-086/146	Triangle	264	74640	890	7200	15.2	57	67/54
		Y type	240	56560	660	4600	8.8	51	
	LCF-088/146	Triangle	232	48800	510	1470	7.8	50	67/54
		Y type	192	88740	510	3200	4	46	
Sextuple Fan	LCF-086/265	Triangle	330	115070	890	10800	22.8	59	2×67/54
		Y type	300	87100	660	10800	13.2	53	
	LCF-088/265	Triangle	290	70750	510	1960	11.7	52	2×67/54
		Y type	240	86000	510	4800	11.7	48	
	LCF-086/266	Triangle	396	109620	890	6900	22.8	59	2×67/54
		Y type	360	79020	660	6900	13.2	53	
	LCF-088/266	Triangle	348	67330	510	4800	6	52	2×67/54
		Y type	288	29540	510	2940	6	48	

# DIMENSION OF LCF TYPE CONDENSER

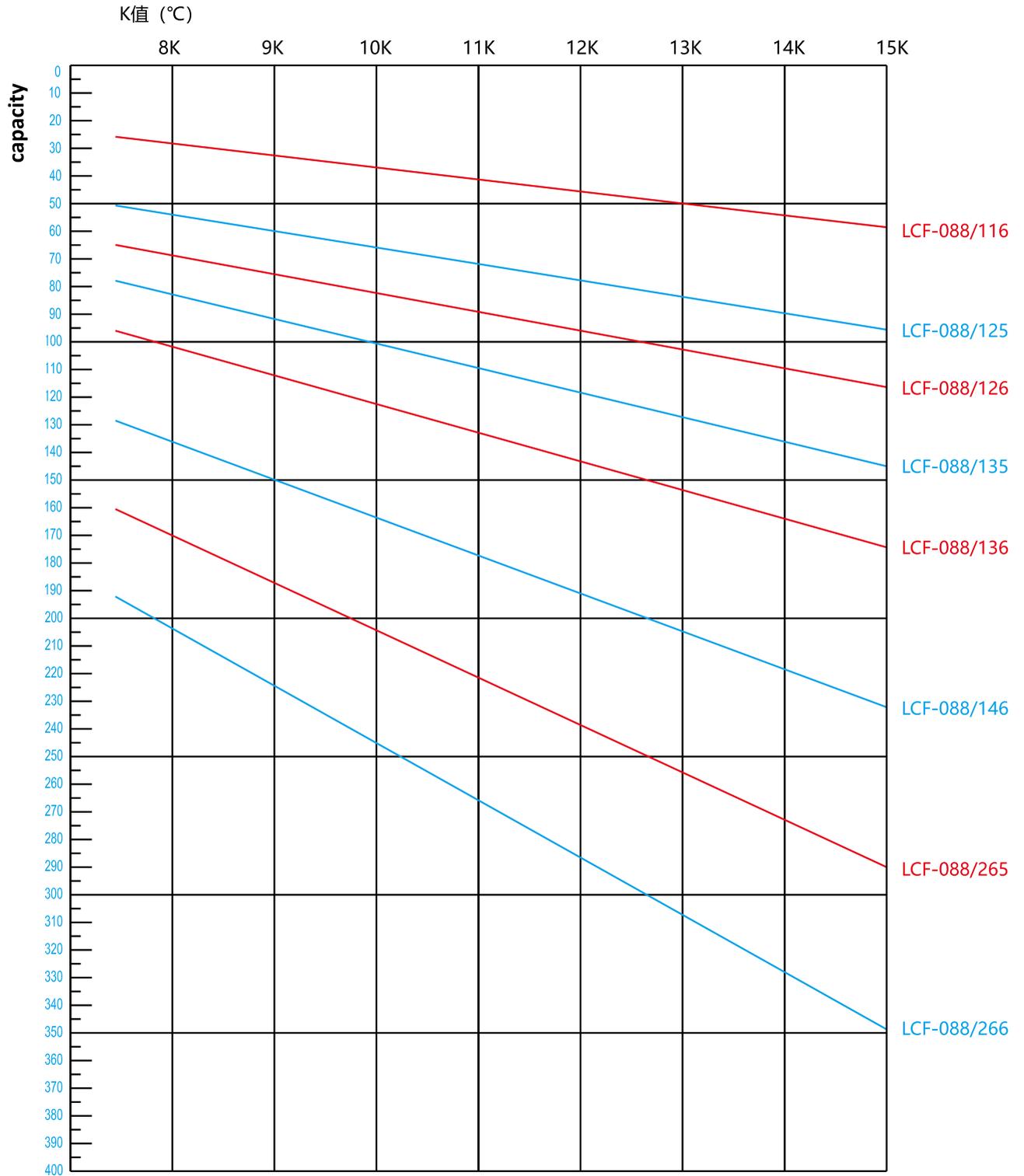
Model	LCF-086/116	LCF-086/125	LCF-086/126	LCF-086/135	LCF-086/136	LCF-086/146	LCF-086/265	LCF-086/266	
	LCF-088/116	LCF-088/125	LCF-088/126	LCF-088/135	LCF-088/136	LCF-088/146	LCF-088/265	LCF-088/266	
Diameter of fan	1×800	2×800	2×800	3×800	3×800	4×800	6×800	6×800	
Heat-exchange area	m <sup>2</sup>	200	330	400	500	600	800	1000	1200
Internal volume	L	19	31	38	46	55	73	92	110
Gross weight	kg	182	308	326	470	497	646	860	910
A	mm	1600	2900	2900	4200	4200	5500	4200	4200
D	mm	1250	2550	2550	3850	3850	5150	3850	3850
D1	mm							1925	1925
D2	mm							1925	1925



# LCF TYPE SELECTION



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

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