



SEC Heat Exchangers  
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# R410A Hi-Pressure BRAZED

Refrigerant Fluid: R410A  
Water in Secondary Circuit

## EVAPORATOR SINGLE CIRCUIT

MODEL	RT	BTU/H
LB31ES-10XJ	1	12,000
LB31ES-20XJ	2	24,000
LB60ES-20X5J	3	36,000
LB60ES-30X5J	5	60,000
LB60ES-50X5J	7.5	90,000
LC110ES-20X2J	10	120,000
LC110ES-30X2J	12.5	150,000
LC110ES-30X2J	15	180,000
LC110ES-50VX2J	20	240,000
LC110ES-60VX2J	25	300,000
LC110ES-70VX2J	30	360,000
LC110ES-110VX2J	40	480,000

## CONDENSER SINGLE CIRCUIT

MODEL	RT	BTU/H
LB31ES-10XJ	1	12,000
LB31ES-20XJ	2	24,000
LB60ES-20X5J	3	36,000
LB60ES-30X5J	5	60,000
LB60ES-40X5J	7.5	90,000
LC110ES-20X2J	10	120,000
LC110ES-30X2J	12.5	150,000
LC110ES-40X2J	15	180,000
LC110ES-50X2J	20	240,000
LC110ES-60X2J	25	300,000
LC110ES-70X2J	30	360,000
LC110ES-100X2J	40	480,000

## DUAL CIRCUIT

MODEL	RT	BTU/H
LB60ES-20x20-DCX5J	3+3	72,000
LB60ES-30x30-DCX5J	5+5	120,000
LB60ES-50x50-DCX5J	7.5+7.5	180,000
LC110ES-20x20-DCX2J	10+10	240,000
LC110ES-30x30-DCX2J	12.5+12.5	300,000
LC110ES-40x40-DCVX2J	15+15	360,000
LC110ES-50x50-DCVX2J	20+20	480,000

## DUAL CIRCUIT

MODEL	RT	BTU/H
LB60ES-20x20-DCX5J	3+3	72,000
LB60ES-30x30-DCX5J	5+5	120,000
LB60ES-40x40-DCX5J	7.5+7.5	180,000
LC110ES-20x20-DCX2J	10+10	240,000
LC110ES-30x30-DCX2J	12.5+12.5	300,000
LC110ES-30x30-DCX2J	15+15	360,000
LC110ES-40x40-DCX2J	20+20	480,000

\* VX.. models available with distributor

Heat Exchanger Type	Dimensions (in)					Dual Connections	
	A	B	C	D	F	NPT	Solder
LB31-XJ	12.0	5.0	9.8	2.8	0.49+0.09NP	1"	7/8"
LB60-X5J	20.0	5.0	17.5	2.5	0.49+0.09NP	1-1/2"	1-3/8"
LC110-X2J	20.9	9.8	17.9	6.9	0.51+0.09NP	2"	2"

NP = number of plates

*Different Connection options may be available from stock at time of order*

### Standard Construction:

Heating Plates: AISI 316  
Brazing Material: Copper (Optional-Nickel)  
Single Wall Plates (Optional-Double Wall)

### Design Parameters:

Working Pressure up to 650 PSI  
Working Temperature up to 302° F  
**'ES' Models Required for high pressures**

Standard Products are UL Listed  
(ASME option- contact AIC for details)