

## Semi-Hermetic Refrigeration Units K/L Compressors

Copeland™ air-cooled indoor refrigeration units for medium temperature and low temperature applications.

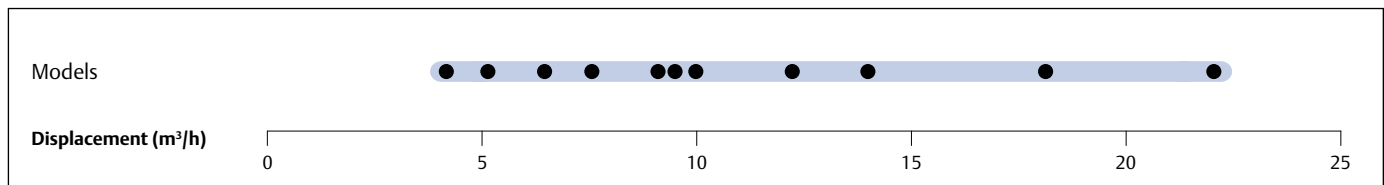
Long-term engineering and manufacturing experience has led to these refrigeration units with reed valve technology compressors. Their excellent quality and reliability is traditionally well known in the refrigeration industry.

This series of refrigeration units is equipped with single fan or twin fans which allows for very compact dimensions. The wide range of models offers solutions for most applications including operation in extreme conditions like high evaporation temperatures and high ambient temperatures.



*Semi-Hermetic Refrigeration Unit K/L Compressors*

### Semi-Hermetic K & L Refrigeration Units Line-up



#### Features and Benefits

- Standard equipment: compressor, condenser with thermally protected fan(s), discharge line with flexible pipe loop or vibration absorber, liquid receiver with shut-off-valve, HP/LP switch with automatic reset
- Suitable for a broad range of refrigerants: R407A/F, R404A and R134a
- Wide range of quality accessories
- Proven reliability

#### Maximum Allowable Pressures (PS)

- Low Side PS 22.5 bar (g)
- High Side PS = 28 bar (g)

## Technical Overview

Models	Displacement (m <sup>3</sup> /h)	Receiver Capacity (l)	Number of fans	Total Fan Motor Power (W)	Suction Line Diameter (inch)	Liquid Line Diameter (inch)	Width/Depth/Height (mm)	Net Weight (kg)	Motor Version/Code		Maximum Operating Current (A)		Locked Rotor Current (A)		Sound Pressure @ 10m - dB(A)***
									1 Ph*	3 Ph**	1 Ph*	3 Ph**	1 Ph*	3 Ph**	
B8-KJ-10X-B	3.3	3.3	1	85	5/8	1/2	560/570/396	57.5	CAG	EWL	7	3	32	16	39.0
B8-KJ-7X-B	3.3	3.3	1	85	5/8	1/2	560/570/396	57.5	CAG	EWL	6	2	35	12	
B8-KL-15X-B	3.3	3.3	1	85	5/8	1/2	560/570/396	57.5	CAG	EWL	8	3	43	19	39.5
B8-KM-5X-B	3.3	3.3	1	85	5/8	1/2	560/570/396	56.0	CAG	EWL	5	2	24	12	39.0
B8-KM-7X-B	3.3	3.3	1	85	1/2	1/2	560/570/396	57.5	CAG	EWL	6	2	35	12	
B8-KSJ-10X-B	3.3	3.3	1	85	5/8	1/2	560/570/396	58.5	CAG	EWL	7	3	32	16	
D8-KSJ-15X-B	3.9	3.9	1	110	7/8	1/2	560/570/446	62.0	CAG	EWL	9	3	43	19	45.6
D8-KSL-20X-B	3.9	3.9	1	110	5/8	1/2	560/570/446	60.0		EWL		5		23	
D8-LE-20X-B	3.9	3.9	1	110	7/8	1/2	560/715/446	96.5		EWL		6		38	
D8-LF-20X-B	3.9	3.9	1	110	7/8	1/2	560/715/446	98.5		EWL		6		38	
H8-KSL-20X-B	7.9	7.9	1	235	5/8	1/2	735/680/533	60.0		EWL		5		23	
H8-LE-20X-B	7.9	7.9	1	235	7/8	1/2	735/680/533	108.0		EWL		6		38	
H8-LF-30X-B	7.9	7.9	1	235	7/8	1/2	735/680/533	108.0		EWL		7		51	48.5
H8-LJ-20X-B	7.9	7.9	1	235	7/8	1/2	735/680/533	103.0		EWL		6		38	
H8-LJ-30X-B	7.9	7.9	1	235	7/8	1/2	735/680/533	108.0		EWL		7		51	48.5
H8-LL-30X-B	7.9	7.9	1	235	1 1/8	1/2	735/680/533	110.0		EWL		7		53	48.5
H8-LL-40X-B	7.9	7.9	1	235	1 1/8	1/2	735/680/533	112.0		EWL		10		59	48.6
H8-LSG-40X-B	7.9	7.9	1	235	1 1/8	1/2	735/680/533	116.0		EWL		9		69	
K9-LL-30X-B	7.9	7.9	2	220	1 1/8	1/2	950/640/454	134.0		EWL		7		53	47.2
K9-LSG-40X-B	7.9	7.9	2	220	1 1/8	1/2	950/640/454	131.0		EWL		9		69	50.9
P8-LF-30X-B	7.9	7.9	2	220	1 1/8	1/2	950/640/633	127.0		EWL		7		51	47.8
P8-LJ-30X-B	7.9	7.9	2	220	7/8	1/2	950/640/633	127.0		EWL		7		51	47.8
P8-LL-40X-B	7.9	7.9	2	220	1 1/8	1/2	950/640/633	128.0		EWL		10		59	48.0

\* 1ph: 230V/ 50Hz

\*\* 3 Ph: 380-420V/ 50Hz

\*\*\* @ 10m: sound pressure level at 10m distance from the compressor, free field condition

## Capacity Data

Ambient Temperature: 32°C															
R407A		Cooling Capacity (kW)						R407A		Power Input (kW)					
		Evaporating Temperature (°C)								Evaporating Temperature (°C)					
Model	-45	-35	-30	-20	-10	-5	+5	Model	-45	-35	-30	-20	-10	-5	+5
B8-KM-5X-B		0.5	0.7	1.2				B8-KM-5X-B		0.5	0.6	0.7			
B8-KM-7X-B		0.5	0.7	1.2	1.8	2.2	3.0	B8-KM-7X-B		0.6	0.6	0.8	0.9	1.0	1.2
B8-KJ-7X-B		0.7	0.9	1.5				B8-KJ-7X-B		0.7	0.8	1.0			
B8-KJ-10X-B		0.7	0.9	1.5	2.3	2.7		B8-KJ-10X-B		0.6	0.7	0.9	1.2	1.4	
D8-KSJ-15X-B		0.9	1.2	2.0	3.0	3.6		D8-KSJ-15X-B		0.9	1.0	1.3	1.5	1.7	
B8-KSJ-10X-B		0.9	1.2	1.9				B8-KSJ-10X-B		0.9	1.0	1.3			
B8-KL-15X-B		1.0	1.3	2.1				B8-KL-15X-B		1.0	1.1	1.4			
D8-LE-20X-B		0.9	1.4	2.6	4.1	5.0		D8-LE-20X-B		0.9	1.1	1.5	2.0	2.2	
H8-LE-20X-B		0.9	1.5	2.8	4.6	5.6	7.9	H8-LE-20X-B		1.0	1.2	1.6	2.1	2.3	2.7
H8-LF-30X-B		1.3	2.0	3.7	5.9	7.1		H8-LF-30X-B		1.4	1.6	2.2	2.8	3.1	
P8-LF-30X-B		1.4	2.1	3.9	6.2	7.5	10.6	P8-LF-30X-B		1.3	1.6	2.2	2.7	3.0	3.6
D8-LF-20X-B		1.3	1.8	3.2				D8-LF-20X-B		1.2	1.5	2.0			
P8-LJ-30X-B		1.9	2.6	4.5	6.9	8.3		P8-LJ-30X-B		1.7	1.9	2.6	3.2	3.6	
H8-LJ-20X-B		1.6	2.3	4.2				H8-LJ-20X-B		1.5	1.8	2.5			
H8-LJ-30X-B		1.8	2.6	4.3	6.6	7.9		H8-LJ-30X-B		1.7	2.0	2.6	3.3	3.7	
H8-LL-40X-B		2.1	3.1	5.3	8.0	9.5		H8-LL-40X-B		1.9	2.2	3.1	4.1	4.6	
H8-LL-30X-B		2.1	3.0	5.2				H8-LL-30X-B		1.8	2.2	3.1			
P8-LL-40X-B		2.2	3.2	5.6	8.6	10.4		P8-LL-40X-B		1.9	2.2	3.1	4.0	4.5	
K9-LSG-40X-B		2.7	3.8	6.3				K9-LSG-40X-B		2.3	2.7	3.8			

Conditions: EN13215: Suction Gas Return 20°C, Subcooling 0K

## Capacity Data

Ambient Temperature: 32°C															
R404A	Cooling Capacity (kW)							R404A	Power Input (kW)						
	Evaporating Temperature (°C)								Evaporating Temperature (°C)						
Model	-45	-35	-30	-20	-10	-5	+5	Model	-45	-35	-30	-20	-10	-5	+5
B8-KM-7X-B	0.3	0.6	0.8	1.3	1.9	2.2	3.0	B8-KM-7X-B	0.4	0.6	0.7	0.8	1.0	1.1	1.3
B8-KM-5X-B	0.3	0.6	0.8	1.3				B8-KM-5X-B	0.5	0.6	0.6	0.8			
B8-KJ-7X-B	0.4	0.8	1.1	1.7				B8-KJ-7X-B	0.6	0.8	0.9	1.1			
B8-KJ-10X-B	0.4	0.8	1.1	1.7	2.4	2.8	3.6	B8-KJ-10X-B	0.5	0.8	0.9	1.1	1.4	1.5	1.8
D8-KSJ-15X-B	0.6	1.1	1.4	2.2	3.2	3.8		D8-KSJ-15X-B	0.7	1.0	1.1	1.4	1.8	1.9	
B8-KSJ-10X-B	0.6	1.1	1.3					B8-KSJ-10X-B	0.8	1.0	1.2				
B8-KL-15X-B	0.7	1.2	1.5	2.3				B8-KL-15X-B	0.9	1.1	1.3	1.6			
H8-KSL-20X-B	0.9	1.7	2.2	3.3	4.8	5.7		H8-KSL-20X-B	1.1	1.5	1.7	2.1	2.6	2.8	
D8-KSL-20X-B	0.9	1.6	2.0	3.1	4.3			D8-KSL-20X-B	1.0	1.3	1.5	2.0	2.6		
H8-LE-20X-B		1.3	1.9	3.2	4.8	5.8	7.8	H8-LE-20X-B		1.2	1.4	1.9	2.3	2.5	3.0
D8-LE-20X-B		1.2	1.7	2.9	4.3	5.0		D8-LE-20X-B		1.1	1.3	1.7	2.2	2.5	
H8-LF-30X-B	0.9	2.1	2.7	4.4	6.3	7.4		H8-LF-30X-B	1.3	1.9	2.1	2.7	3.3	3.6	
P8-LF-30X-B	1.0	2.1	2.9	4.7	6.9	8.2	11.1	P8-LF-30X-B	1.3	1.9	2.1	2.6	3.2	3.4	4.0
D8-LF-20X-B		1.7	2.2	3.5				D8-LF-20X-B		1.5	1.8	2.4			
H8-LJ-20X-B		2.1	2.9					H8-LJ-20X-B		1.8	2.2				
P8-LJ-30X-B	1.1	2.4	3.2	5.1	7.5	8.9	11.9	P8-LJ-30X-B	1.4	2.0	2.3	3.0	3.6	4.0	4.6
H8-LJ-30X-B	1.1	2.3	3.0	4.7	6.8	7.9		H8-LJ-30X-B	1.4	2.0	2.4	3.0	3.8	4.2	
H8-LL-40X-B	1.4	2.8	3.6	5.7	8.1	9.4		H8-LL-40X-B	1.7	2.4	2.8	3.7	4.7	5.3	
H8-LL-30X-B	1.2	2.7	3.6	5.7				H8-LL-30X-B	1.5	2.2	2.7	3.6			
P8-LL-40X-B	1.4	2.9	3.9	6.2	9.1	10.8		P8-LL-40X-B	1.7	2.4	2.8	3.6	4.5	5.0	
K9-LL-30X-B	1.2	2.7	3.6	5.7				K9-LL-30X-B	1.5	2.2	2.6	3.6			
H8-LSG-40X-B	1.7	3.4	4.4	6.7				H8-LSG-40X-B	1.9	2.8	3.3	4.5			
K9-LSG-40X-B	1.7	3.4	4.4	6.7				K9-LSG-40X-B	1.9	2.8	3.3	4.5			

Conditions: EN13215: Suction Gas Return 20°C, Subcooling 0K

Ambient Temperature: 32°C															
R134a	Cooling Capacity (kW)							R134a	Power Input (kW)						
	Evaporating Temperature (°C)								Evaporating Temperature (°C)						
Model	-45	-35	-30	-20	-10	-5	+5	Model	-45	-35	-30	-20	-10	-5	+5
B8-KM-5X-B				0.8	1.2	1.5	2.2	B8-KM-5X-B				0.6	0.6	0.6	0.6
B8-KJ-7X-B				1.0	1.6	1.9	2.8	B8-KJ-7X-B				0.8	0.8	0.8	0.8
B8-KSJ-10X-B				1.2	1.9	2.4	3.4	B8-KSJ-10X-B				0.8	0.9	1.0	0.8
B8-KL-15X-B				1.4	2.2	2.6	3.7	B8-KL-15X-B				0.9	1.2	1.3	1.2
D8-KSL-20X-B				1.8	2.9	3.5	5.0	D8-KSL-20X-B				1.1	1.4	1.5	1.8
H8-KSL-20X-B				1.9	3.0	3.7	5.4	H8-KSL-20X-B				1.2	1.5	1.6	1.8
D8-LE-20X-B				1.6	2.7	3.4	4.9	D8-LE-20X-B				1.4	1.4	1.4	1.4
H8-LE-20X-B				1.7	2.9	3.6	5.4	H8-LE-20X-B				1.5	1.5	1.5	1.5
D8-LF-20X-B				2.2	3.6	4.4	6.2	D8-LF-20X-B				1.7	1.7	1.7	1.7
H8-LJ-20X-B				2.7	4.3	5.2	7.5	H8-LJ-20X-B				2.2	2.2	2.2	2.2
H8-LL-30X-B				3.2	5.2	6.4	9.2	H8-LL-30X-B				2.1	2.1	2.1	2.1
K9-LL-30X-B				3.2	5.3	6.5	9.3	K9-LL-30X-B				2.1	2.6	2.1	2.1
H8-LSG-40X-B				4.2	6.5	7.9	11.0	H8-LSG-40X-B				3.2	3.2	3.2	3.2
K9-LSG-40X-B				4.2	6.6	8.0	11.1	K9-LSG-40X-B				2.5	3.2	3.6	3.6

Conditions: EN13215: Suction Gas Return 20°C, Subcooling 0K

## Refrigeration Units with Semi-Hermetic Discus™ Compressors

Copeland™ air-cooled indoor refrigeration units for medium temperature and low temperature applications.

In a further approach to improve compressor performance and reduce compression losses, Emerson Climate Technologies engineers developed the Discus valve technology.

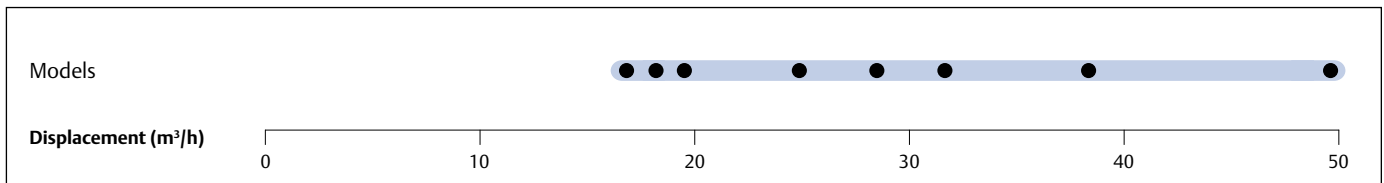
This series of refrigeration units is equipped with 2 or 3 cylinder semi-hermetic compressors with Discus valve technology. The models are specifically suitable for those applications where high efficiency and low energy consumption is required.

The wide range of compressor models combined with 2 or 4 fan high capacity condensers covers most application needs of low temperature and medium temperature applications.



Refrigeration Units with Semi-Hermetic Discus Compressors

### Discus Refrigeration Units Line-up



### Features and Benefits

- Standard equipment: Discus compressor, condenser with thermally protected fan(s), discharge line with flexible pipe loop or vibration absorber, liquid receiver with shut-off valve, HP/LP switch with automatic reset, oil pressure safety control OPS2
- Suitable for multiple refrigerants: R407A/F, R448A/R449A, R404A, R134a, R450A and R513A
- Wide range of quality accessories
- Excellent efficiency
- Proven reliability

### Maximum Allowable Pressures (PS)

- Low Side PS 22.5 bar (g)
- High Side PS = 28 bar (g)

## Technical Overview

Model	Displacement (m <sup>3</sup> /h)	Receiver Capacity (l)	Number of fans	Total Fan Motor Power (W)	Suction Line Diameter (inch)		Width/Depth/Height (mm)	Net Weight (kg)	Motor Version/Code	Maximum Operating Current (A)	Locked Rotor Current (A)	Sound Pressure @10m - dB(A)***
					3 Ph**	3 Ph**			3 Ph**			
<b>P8-2DC-50X-B</b>	17	11.7	2	220	1 3/8	5/8	950/740/633	186.0	AWM	9	55	
<b>R7-2DD-50X-B</b>	19	15.8	2	470	1 3/8	3/4	1130/820/633	196.0	AWM	10	55	
<b>P8-2DL-75X-B</b>	24	11.7	2	220	1 3/8	5/8	950/740/633		AWM	14	82	50.0
<b>R7-2DL-75X-B</b>	24	15.8	2	470	1 3/8	3/4	1130/820/708	205.0	AWM	14	82	
<b>P8-2DB-50X-B</b>	28	11.7	2	220	1 3/8	5/8	950/740/633	186.0	AWM	13	55	49.6
<b>P8-2DB-75X-B</b>	28	11.7	2	220	1 3/8	5/8	950/740/633	191.0	AWM	16	82	52.0
<b>S9-2DB-75X-B</b>	28	15.8	2	470	1 3/8	3/4	1130/820/708	212.0	AWM	16	82	
<b>P8-3DA-50X-B</b>	32	11.7	2	220	1 3/8	5/8	950/740/633	205.0	AWM	16	55	51.6
<b>P8-3DA-75X-B</b>	32	11.7	2	220	1 3/8	5/8	950/740/633	211.0	AWM	18	106	52.0
<b>S9-3DA-75X-B</b>	32	18.9	2	470	1 3/8	7/8	1330/820/835	259.0	AWM	18	106	
<b>R7-3DC-100X-B</b>	38	15.8	2	470	1 3/8	3/4	1129/820/633	234.0	AWM	21	121	56.0
<b>R7-3DC-75X-B</b>	38	15.8	2	470	1 3/8	3/4	1130/820/633	278.0	AWM	18	82	54.6
<b>S9-3DS-100X-B</b>	50	15.8	2	470	1 3/8	3/4	1130/820/708	239.0	AWM	24	121	54.0
<b>S9-3DS-150X-B</b>	50	15.8	2	470	1 5/8	3/4	1129/820/708	243.0	AWM	29	123	57.0

\*\* 3 Ph: 380-420V/ 50Hz

\*\*\* @ 10m: sound pressure level at 10m distance from the compressor, free field condition

Capacity Data

Ambient Temperature: 32°C															
R407A		Cooling Capacity (kW)						R407A		Power Input (kW)					
		Evaporating Temperature (°C)								Evaporating Temperature (°C)					
Model	-45	-35	-30	-20	-10	-5	+5	Model	-45	-35	-30	-20	-10	-5	+5
P8-2DC-50X-B		1.8	2.6	4.5	7.1	8.7	12.3	P8-2DC-50X-B		1.6	1.9	2.5	3.2	3.6	4.5
R7-2DD-50X-B		2.4	3.4	5.8	9.1	11.0	15.5	R7-2DD-50X-B		2.2	2.5	3.2	4.0	4.4	5.2
R7-2DL-75X-B				7.1	10.9	13.1	18.2	R7-2DL-75X-B				4.0	5.0	5.5	6.6
P8-2DB-75X-B				7.9	11.4	13.2		P8-2DB-75X-B				4.8	6.3	7.1	
S9-2DB-75X-B				8.7	13.2	15.7	21.4	S9-2DB-75X-B				4.9	6.1	6.8	8.1
P8-2DB-50X-B		3.3*	4.5*	7.9	11.3	13.2		P8-2DB-50X-B		3.0*	3.5*	4.7	6.2	7.1	
S9-3DA-75X-B				9.8	14.7	17.5	23.7	S9-3DA-75X-B				5.6	7.0	7.8	9.4
P8-3DA-50X-B		3.7*	5.0*	8.7	12.1	13.9		P8-3DA-50X-B		3.4*	4.1*	5.6	7.4	8.5	
P8-3DA-75X-B				8.5	12.2	14.2		P8-3DA-75X-B				5.5	7.2	8.2	
R7-3DC-75X-B		4.7*	6.3*	11.1	15.8	18.3		R7-3DC-75X-B		4.3*	5.1*	6.8	8.8	9.9	
V6-3DC-100X-B				12.6	19.1	22.9	31.5	V6-3DC-100X-B				6.6	8.2	9.0	10.6
R7-3DC-100X-B				11.1	16.2	18.9		R7-3DC-100X-B				6.5	8.5	9.6	
V6-3DS-150X-B				16.1	23.8	28.2	37.8	V6-3DS-150X-B				8.9	11.2	12.4	15.0
S9-3DS-100X-B		6.3*	8.5*	14.7	20.5	23.6		S9-3DS-100X-B		5.7*	6.7*	9.0	11.8	13.4	
W9-3DS-150X-B				16.3	24.2	28.7	38.8	W9-3DS-150X-B				8.8	11.1	12.3	14.7

Conditions: EN13215: Suction Gas Return 20°C, Subcooling 0K  
 \* Conditions: EN13215: Suction Superheat 10K

Ambient Temperature: 32°C															
R448A		Cooling Capacity (kW)						R448A		Power Input (kW)					
		Evaporating Temperature (°C)								Evaporating Temperature (°C)					
Model	-45	-35	-30	-20	-10	-5	+5	Model	-45	-35	-30	-20	-10	-5	+5
P8-2DC-50X		1.7*	2.8	4.9	7.6	9.1	12.6	P8-2DC-50X		1.6*	2.0	2.7	3.4	3.8	4.6
R7-2DD-50X		2.0*	3.3	5.9	9.2	11.1	15.6	R7-2DD-50X		2.1*	2.5	3.3	4.1	4.5	5.3
P8-2DL-75X		2.6*	3.7*	6.7	10.1	12.0		P8-2DL-75X		2.5*	2.9*	3.8	4.9	5.6	
R7-2DL-75X		2.8*	4.2	7.1	11.0	13.4	18.8	R7-2DL-75X		2.8*	3.1	4.0	5.0	5.5	6.8
P8-2DB-50X		3.6*	4.8*	8.0	11.4	13.3		P8-2DB-50X		3.1*	3.6*	4.8	6.4	7.2	
P8-2DB-75X		3.7*	5.0*	8.2	11.7	13.5		P8-2DB-75X		3.2*	3.7*	5.0	6.4	7.3	
S9-2DB-75X		4.0*	5.4*	9.2	13.6	16.3	22.1	S9-2DB-75X		3.4*	3.9*	5.0	6.2	6.8	8.3
P8-3DA-50X		4.0*	5.2*	8.6	12.2			P8-3DA-50X		3.5*	4.1*	5.6	7.4		
P8-3DA-75X		3.8*	5.3*	9.0	13.0	15.1		P8-3DA-75X		3.6*	4.2*	5.7	7.4	8.3	
S9-3DA-75X		4.2*	5.9*	10.4	15.5	18.4	25.1	S9-3DA-75X		3.8*	4.4*	5.8	7.1	7.9	9.4
R7-3DC-100X		4.6*	6.6*	11.5	16.5	19.2		R7-3DC-100X		4.1*	4.8*	6.6	8.5	9.6	
V6-3DC-100X		5.2*	7.8	13.1	19.7	23.4	32.0	V6-3DC-100X		4.4*	5.2	6.7	8.2	9.1	10.8
R7-3DC-75X		5.1*	6.7*	11.0	15.8	18.4		R7-3DC-75X		4.5*	5.1*	6.8	8.7	9.8	
S9-3DS-100X		7.0*	9.0*	14.8	21.2			S9-3DS-100X		5.8*	6.8*	9.1	11.9		
S9-3DS-150X		7.3*	9.5*	15.3	21.2	24.3		S9-3DS-150X		6.1*	7.0*	9.3	11.9	13.3	
V6-3DS-150X		7.8*	10.3*	16.9	24.5	28.8	38.2	V6-3DS-150X		6.3*	7.2*	9.2	11.4	12.6	15.2
W9-3DS-150X		7.8*	10.4*	17.2	24.9	29.4	39.2	W9-3DS-150X		6.3*	7.2*	9.1	11.3	12.5	15.0

Conditions: EN13215: Suction Gas Return 20°C, Subcooling 0K  
 \* Conditions: EN13215: Suction Superheat 10K

Preliminary data

## Capacity Data

Ambient Temperature: 32°C															
R449A		Cooling Capacity (kW)						R449A		Power Input (kW)					
		Evaporating Temperature (°C)								Evaporating Temperature (°C)					
Model	-45	-35	-30	-20	-10	-5	+5	Model	-45	-35	-30	-20	-10	-5	+5
P8-2DC-50X		1.7*	2.8	4.9	7.6	9.1	12.6	P8-2DC-50X		1.6*	2.0	2.7	3.4	3.8	4.6
R7-2DD-50X		2.0*	3.3	5.9	9.2	11.1	15.6	R7-2DD-50X		2.1*	2.5	3.3	4.1	4.5	5.3
P8-2DL-75X		2.6*	3.7*	6.7	10.1	12.0		P8-2DL-75X		2.5*	2.9*	3.8	4.9	5.6	
R7-2DL-75X		2.8*	4.2	7.1	11.0	13.4	18.8	R7-2DL-75X		2.8*	3.1	4.0	5.0	5.5	6.8
P8-2DB-50X		3.6*	4.8*	8.0	11.4	13.3		P8-2DB-50X		3.1*	3.6*	4.8	6.4	7.2	
P8-2DB-75X		3.7*	4.9*	8.2	11.7	13.5		P8-2DB-75X		3.2*	3.7*	5.0	6.4	7.3	
S9-2DB-75X		4.0*	5.4*	9.2	13.6	16.3	22.1	S9-2DB-75X		3.4*	3.9*	5.0	6.2	6.8	8.3
P8-3DA-50X		4.0*	5.2*	8.6	12.2			P8-3DA-50X		3.5*	4.1*	5.6	7.4		
P8-3DA-75X		3.8*	5.2*	9.0	13.0	15.1		P8-3DA-75X		3.6*	4.2*	5.7	7.4	8.3	
S9-3DA-75X		4.2*	5.9*	10.4	15.5	18.4	25.1	S9-3DA-75X		3.8*	4.4*	5.8	7.1	7.9	9.4
R7-3DC-100X		4.6*	6.6*	11.5	16.5	19.2		R7-3DC-100X		4.1*	4.8*	6.6	8.5	9.6	
V6-3DC-100X		5.2*	7.8	13.1	19.7	23.4	32.0	V6-3DC-100X		4.4*	5.2	6.7	8.2	9.1	10.8
R7-3DC-75X		5.1*	6.6*	11.0	15.8	18.4		R7-3DC-75X		4.5*	5.1*	6.8	8.7	9.8	
S9-3DS-100X		6.9*	9.0*	14.8	21.2			S9-3DS-100X		5.8*	6.8*	9.1	11.9		
S9-3DS-150X		7.3*	9.5*	15.3	21.2	24.3		S9-3DS-150X		6.1*	7.0*	9.3	11.9	13.3	
V6-3DS-150X		7.8*	10.3*	16.9	24.5	28.8	38.2	V6-3DS-150X		6.3*	7.2*	9.2	11.4	12.6	15.2
W9-3DS-150X		7.8*	10.4*	17.2	24.9	29.4	39.2	W9-3DS-150X		6.3*	7.2*	9.1	11.3	12.5	15.0

Conditions: EN13215: Suction Gas Return 20°C, Subcooling 0K

\* Conditions: EN13215: Suction Superheat 10K

Preliminary data

Ambient Temperature: 32°C															
R404A		Cooling Capacity (kW)						R404A		Power Input (kW)					
		Evaporating Temperature (°C)								Evaporating Temperature (°C)					
Model	-45	-35	-30	-20	-10	-5	+5	Model	-45	-35	-30	-20	-10	-5	+5
P8-2DC-50X-B		2.4	3.2	5.2	7.9	9.5	13.0	P8-2DC-50X-B		2.0	2.3	3.0	3.7	4.0	4.7
R7-2DD-50X-B		3.1	4.1	6.7	9.9	11.7	15.9	R7-2DD-50X-B		2.6	3.0	3.8	4.5	4.9	5.6
R7-2DL-75X-B		3.8	5.0	8.0	11.8	13.9	18.6	R7-2DL-75X-B		3.2	3.6	4.5	5.6	6.1	7.3
P8-2DB-75X-B		4.8	6.0	8.9	12.2	14.0		P8-2DB-75X-B		3.7	4.2	5.5	6.9	7.7	
S9-2DB-75X-B		5.1	6.5	10.0	14.2	16.7	21.9	S9-2DB-75X-B		3.9	4.4	5.6	6.9	7.6	8.9
P8-2DB-50X-B	2.0*	4.6	5.9	8.9	12.3			P8-2DB-50X-B	2.5*	3.4	4.0	5.4	7.0		
P8-3DA-50X-B	2.3*	5.4	6.7	9.6	12.9			P8-3DA-50X-B	2.9*	4.2	5.0	6.5	8.3		
P8-3DA-75X-B		5.0	6.5	9.8	13.5	15.4		P8-3DA-75X-B		4.1	4.8	6.4	8.1	9.0	
S9-3DA-75X-B		5.4	7.1	11.2	16.0	18.7	24.5	S9-3DA-75X-B		4.4	5.1	6.5	8.0	8.7	10.3
R7-3DC-75X-B	3.1*	6.7	8.4	12.1	16.2			R7-3DC-75X-B	3.9*	5.4	6.2	7.9	9.9		
R7-3DC-100X-B		6.3	8.2	12.3	16.6	18.9		R7-3DC-100X-B		5.1	5.9	7.8	9.8	10.8	
V6-3DC-100X-B		7.1	9.3	14.6	20.9	24.5	32.5	V6-3DC-100X-B		5.4	6.2	7.8	9.3	10.1	11.5
S9-3DS-100X-B	4.2*	9.0	11.3	16.2	21.5			S9-3DS-100X-B	5.1*	7.1	8.2	10.7	13.5		
V6-3DS-150X-B		9.4	12.2	18.5	25.9	30.1	39.1	V6-3DS-150X-B		7.1	8.2	10.6	12.9	14.1	16.3
W9-3DS-150X-B		9.4	12.2	18.7	26.2	30.5	39.7	W9-3DS-150X-B		7.1	8.2	10.5	12.9	14.0	16.2

Conditions: EN13215: Suction Gas Return 20°C, Subcooling 0K

\* Conditions: EN13215: Suction Superheat 10K



## Capacity Data

Ambient Temperature: 32°C															
R134a		Cooling Capacity (kW)						R134a		Power Input (kW)					
		Evaporating Temperature (°C)								Evaporating Temperature (°C)					
Model	-45	-35	-30	-20	-10	-5	+5	Model	-45	-35	-30	-20	-10	-5	+5
B8-KM-5X-B				0.8	1.2	1.5	2.2	B8-KM-5X-B				0.6	0.6	0.6	0.6
B8-KJ-7X-B				1.0	1.6	1.9	2.8	B8-KJ-7X-B				0.8	0.8	0.8	0.8
B8-KSJ-10X-B				1.2	1.9	2.4	3.4	B8-KSJ-10X-B				0.8	0.9	1.0	0.8
B8-KL-15X-B				1.4	2.2	2.6	3.7	B8-KL-15X-B				0.9	1.2	1.3	1.2
D8-KSL-20X-B				1.8	2.9	3.5	5.0	D8-KSL-20X-B				1.1	1.4	1.5	1.8
H8-KSL-20X-B				1.9	3.0	3.7	5.4	H8-KSL-20X-B				1.2	1.5	1.6	1.8
D8-LE-20X-B				1.6	2.7	3.4	4.9	D8-LE-20X-B				1.4	1.4	1.4	1.4
H8-LE-20X-B				1.7	2.9	3.6	5.4	H8-LE-20X-B				1.5	1.5	1.5	1.5
D8-LF-20X-B				2.2	3.6	4.4	6.2	D8-LF-20X-B				1.7	1.7	1.7	1.7
H8-LJ-20X-B				2.7	4.3	5.2	7.5	H8-LJ-20X-B				2.2	2.2	2.2	2.2
H8-LL-30X-B				3.2	5.2	6.4	9.2	H8-LL-30X-B				2.1	2.1	2.1	2.1
K9-LL-30X-B				3.2	5.3	6.5	9.3	K9-LL-30X-B				2.1	2.6	2.1	2.1
H8-LSG-40X-B				4.2	6.5	7.9	11.0	H8-LSG-40X-B				3.2	3.2	3.2	3.2
K9-LSG-40X-B				4.2	6.6	8.0	11.1	K9-LSG-40X-B				2.5	3.2	3.6	3.6

Conditions: EN13215: Suction Gas Return 20°C, Subcooling 0K

Refer to Emerson's Select software for R450A and R513A capacity data.