DX3 Stepper Motor Driven Electronic Expansion Valve | Cooling Controls

D A T A S H E E T

The Emerson DX3 is an electronically operated expansion device that provides precise control of refrigerant flow and system superheat. The DX3 employs a high resolution linear stepper motor actuator with a “Dry” stator which provides excellent field serviceability, flexibility and high reliability. The patented bi-flow design contributes DX3 achieving completely equal high MOPD performance in both flow directions. In addition, the DX3 also employs the take-apart body and IP65/IP67 protected stators.

The unique features and capacity range of the DX3 make it be an appropriate solution for heat pump, electric bus air-conditioning, light commercial air-conditioning, precision cooling, process chiller, cold-room and test chamber etc.

Key Features:

- Compatible with R22, R410A, R407C, R134a, R32, R404A, R507A, R448A, R449A, R450A and R513A
- Broad capacity displacement: 8/10/12.5/15/20/25 Tons @ R22 application
- 12VDC Uni-polar stepper motor driven, 500 steps
- Bi-flow, same capacity and MOPD in both normal & reverse directions
- Long lifetime, high reliability: 250k full cycles’ reliability test
- IP65 / IP67 protection
- CE certification

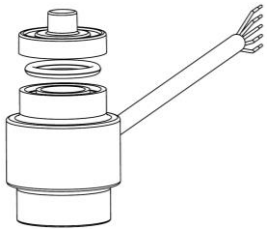
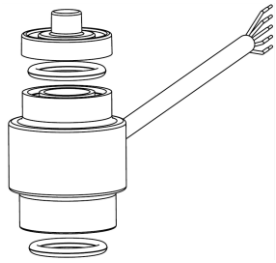
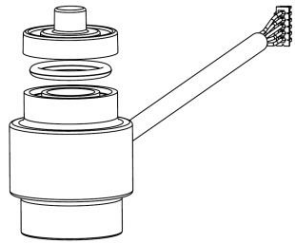
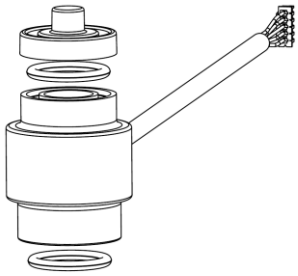
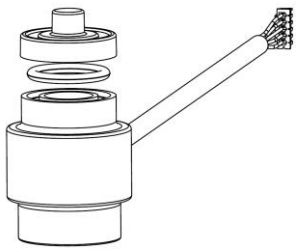
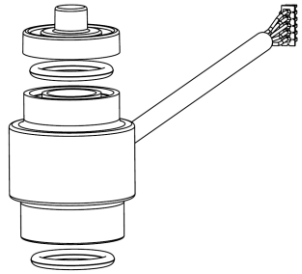
Nominal capacity and valve body selection:

Model	PCN	Nominal Capacity (kW)*											Connection
		R22	R410A	R407C	R134a	R32	R404A	R448A	R449A	R450A	R507A	R513A	Inlet × Outlet
DX3-008	098301	28.1	33	29.9	22	48.7	19.8	27.6	27	19.4	19.4	18.3	5/8 × 5/8 ODF
DX3-010	098302	35.2	41.3	37.4	27.5	60.9	24.7	34.6	33.9	24.3	24.2	22.9	5/8 × 5/8 ODF
DX3-012	098303	44	51.6	46.8	34.3	76.1	30.9	43.2	42.3	30.3	30.3	28.6	5/8 × 5/8 ODF
DX3-015	098304	52.8	62	56.1	41.2	91.4	37.1	51.8	50.8	36.4	36.4	34.3	5/8 × 5/8 ODF
DX3-020	098305	70.3	82.6	74.8	54.9	121.8	49.4	69	67.6	48.4	48.5	45.7	5/8 × 5/8 ODF
DX3-025	098306	87.9	103.3	93.5	68.7	152.3	61.8	86.3	84.6	60.6	60.6	57.1	5/8 × 5/8 ODF

***The nominal capacity is based upon the following standard AHRI conditions:**

Refrigerant	Evaporating Temperature	Condensing Temperature	Sub–cooling (K)
R404A, R134a, R22, R32, R507A, R448A, R449A, R450A, R513A, R410A	+4°C	+38°C	1
R407C	+4°C dew point	+38°C bubble /+43°C dew point	1

Stator kit selection:

Model	PCN	Description	3D Sketch
DX3-SU205	098307	DX3 stator IP65 kit • 12VDC coil with 2m cable • 1 O-ring • screw cap	
DX3-SU207	098308	DX3 stator IP67 kit • 12VDC coil with 2m cable • 2 O-rings • screw cap	
DX3-SU305J	098315	DX3 stator IP65 kit • 12VDC coil with 3m cable and JST XHP-5 • 1 O-ring • screw cap	
DX3-SU307J	098316	DX3 stator IP67 kit • 12VDC coil with 3m cable and JST XHP-5 • 2 O-rings • screw cap	
DX3-SU605J	098323	DX3 stator IP65 kit • 12VDC coil with 6m cable and JST XHP-5 • 1 O-ring • screw cap	
DX3-SU607J	098324	DX3 stator IP67 kit • 12VDC coil with 6m cable and JST XHP-5 • 2 O-rings • screw cap	

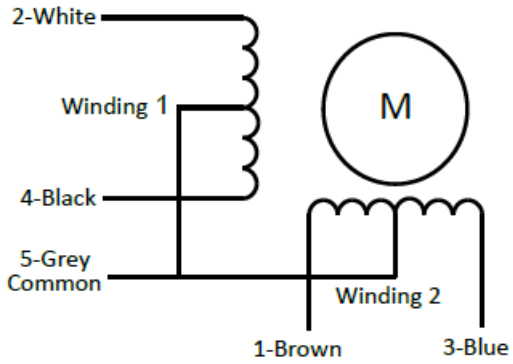
Valve technical data:

Flow direction	Bi-flow
Flow characteristic	Linear (50~500 Steps)
MWP	680 psig (46.9 bar)
MOPD	Normal direction: 500 psig (34.5 bar) Reverse direction: 500 psig (34.5 bar)
Burst	3400 psig (234.5 bar)
Seat leakage	150 ml/min
External leakage	2.83 g/year
Vibration	≤ 4.5 g
Inlet refrigerant temperature	-30~70 ℃
Ambient temperature	-40~70 ℃
Protection index	IP65/IP67
Compatible lubricants	Mineral oil & POE
Weight	250 g

Stepper motor technical data:

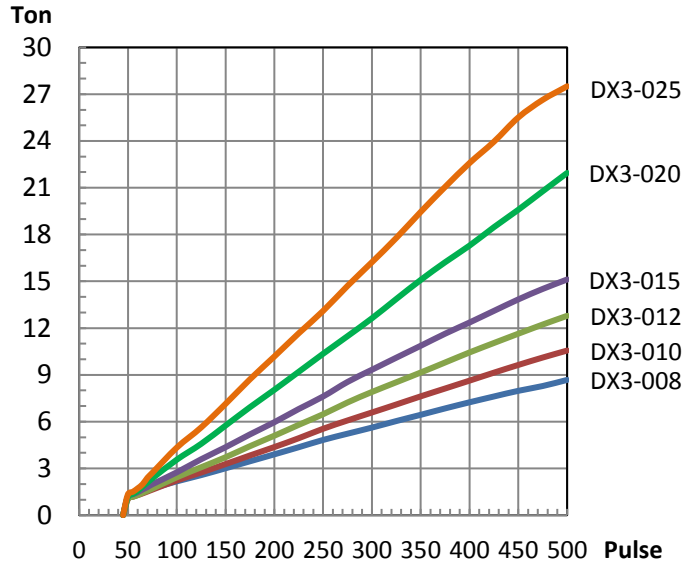
Type	5 wires uni-polar stepper motor
Operation frequency/Step rate(Hz)	30~90 Hz, 50 Hz recommended (1 Hz = 1 pulse per second)
Total pulses	500 pulses (Note: do not apply for more than 550 pulses)
Start to open at	6~52 pulses
Supply voltage	12 VDC (+/- 10%)
Nominal opening current @ 12 VDC	300 mA/phase
Resistance	40 Ω/phase (+/- 10%)
Insulation class	F
Cable length	2m/3m/6m, integrated with stator

Stepper motor wiring and valve movement:



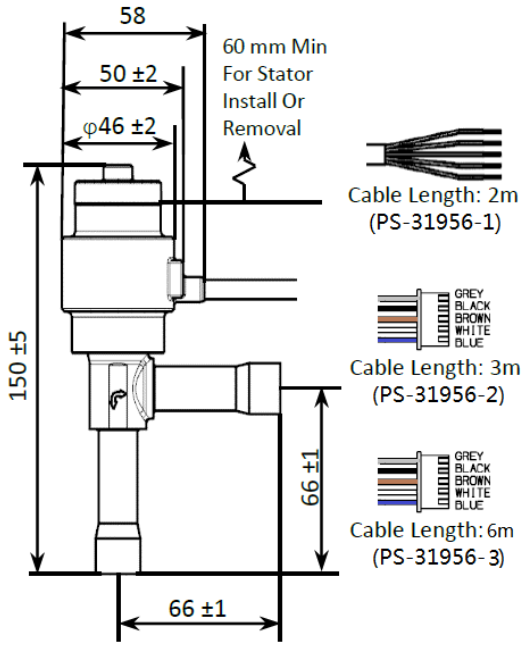
Wires	Valve Movement (Pulses Switching Mode) Open: → Close: ←							
2: White	ON	ON	OFF	OFF	OFF	OFF	OFF	ON
4: Black	OFF	OFF	OFF	ON	ON	ON	OFF	OFF
1: Brown	OFF	ON	ON	ON	OFF	OFF	OFF	OFF
3: Blue	OFF	OFF	OFF	OFF	OFF	ON	ON	ON
5: Gray	ON	ON	ON	ON	ON	ON	ON	ON

Flow Characteristic (Reference for both normal and reverse directions):



Conditions: R22, condensing temperature 38℃, evaporating temperature 4℃, sub-cooling 1K.

Overall dimension (mm):



General information:

Technical data are correct at the time of printing. Updates may occur, and should you need confirmation of a specific value, please contact Emerson clearly stating the information required.

Emerson cannot be held responsible for errors in capacities, dimensions, etc., stated herein. Products, specifications and data in this literature are subject to change without notice.

The information given herein is based on data and tests which Emerson believes to be reliable and which are in accordance with today's technical knowledge. It is intended for use by persons having the appropriate technical knowledge and skill, at their own discretion and risk.

Extended capacities as expansion valves:

The following tables provide the capacity of valves at different conditions considering 1.5 bar pressure drop through liquid line:

Condensing Temperature (°C)	R22			Extended Capacity (kW)									Valve Type
	Evaporating Temperature (°C)												
	15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	
65	28.8	29.3	29.6	29.8	29.9	29.9	29.7	29.5	29.2	28.8	28.4	28.0	**DX3-008**
	36.0	36.6	37.0	37.3	37.4	37.3	37.1	36.9	36.5	36.1	35.5	34.9	**DX3-010**
	45.0	45.8	46.3	46.6	46.7	46.6	46.4	46.1	45.6	45.1	44.4	43.7	**DX3-012**
	54.0	54.9	55.6	55.9	56.0	56.0	55.7	55.3	54.8	54.1	53.3	52.4	**DX3-015**
	72.0	73.2	74.1	74.6	74.7	74.6	74.3	73.7	73.0	72.1	71.1	69.9	**DX3-020**
	90.0	91.6	92.6	93.2	93.4	93.3	92.9	92.2	91.3	90.1	88.8	87.4	**DX3-025**
60	28.5	29.1	29.6	29.9	30.1	30.2	30.1	30.0	29.8	29.5	29.1	28.7	**DX3-008**
	35.6	36.4	37.0	37.4	37.7	37.7	37.7	37.5	37.2	36.8	36.4	35.9	**DX3-010**
	44.5	45.5	46.3	46.8	47.1	47.2	47.1	46.9	46.5	46.0	45.5	44.8	**DX3-012**
	53.4	54.6	55.5	56.1	56.5	56.6	56.5	56.2	55.8	55.3	54.6	53.8	**DX3-015**
	71.2	72.9	74.1	74.9	75.3	75.5	75.3	75.0	74.4	73.7	72.8	71.7	**DX3-020**
	89.0	91.1	92.6	93.6	94.1	94.3	94.2	93.7	93.0	92.1	91.0	89.7	**DX3-025**
55	27.7	28.6	29.2	29.7	30.0	30.2	30.2	30.2	30.0	29.8	29.5	29.1	**DX3-008**
	34.7	35.7	36.5	37.1	37.5	37.7	37.8	37.7	37.5	37.2	36.9	36.4	**DX3-010**
	43.3	44.7	45.7	46.4	46.9	47.2	47.2	47.1	46.9	46.5	46.1	45.5	**DX3-012**
	52.0	53.6	54.8	55.7	56.3	56.6	56.7	56.6	56.3	55.8	55.3	54.6	**DX3-015**
	69.3	71.5	73.1	74.3	75.0	75.4	75.6	75.4	75.0	74.5	73.7	72.8	**DX3-020**
	86.7	89.4	91.4	92.8	93.8	94.3	94.4	94.3	93.8	93.1	92.1	91.0	**DX3-025**
50	26.6	27.7	28.5	29.1	29.6	29.9	30.0	30.0	30.0	29.8	29.6	29.3	**DX3-008**
	33.2	34.6	35.6	36.4	37.0	37.3	37.5	37.6	37.5	37.3	37.0	36.6	**DX3-010**
	41.5	43.2	44.5	45.5	46.2	46.7	46.9	46.9	46.8	46.6	46.2	45.8	**DX3-012**
	49.8	51.9	53.4	54.6	55.4	56.0	56.3	56.3	56.2	55.9	55.5	54.9	**DX3-015**
	66.4	69.1	71.2	72.8	73.9	74.7	75.0	75.1	74.9	74.6	74.0	73.2	**DX3-020**
	83.0	86.4	89.1	91.0	92.4	93.3	93.8	93.9	93.7	93.2	92.5	91.5	**DX3-025**
45	24.9	26.3	27.4	28.2	28.8	29.2	29.5	29.7	29.7	29.6	29.4	29.2	**DX3-008**
	31.2	32.9	34.2	35.3	36.0	36.6	36.9	37.1	37.1	37.0	36.8	36.5	**DX3-010**
	39.0	41.1	42.8	44.1	45.0	45.7	46.1	46.3	46.4	46.2	46.0	45.6	**DX3-012**
	46.8	49.4	51.4	52.9	54.0	54.8	55.3	55.6	55.6	55.5	55.2	54.7	**DX3-015**
	62.4	65.8	68.5	70.5	72.0	73.1	73.8	74.1	74.2	74.0	73.6	73.0	**DX3-020**
	77.9	82.3	85.6	88.2	90.1	91.4	92.2	92.7	92.7	92.5	92.0	91.2	**DX3-025**
40	22.8	24.6	25.9	27.0	27.8	28.3	28.7	29.0	29.1	29.1	29.0	28.9	**DX3-008**
	28.5	30.7	32.4	33.7	34.7	35.4	35.9	36.2	36.4	36.4	36.3	36.1	**DX3-010**
	35.6	38.4	40.5	42.1	43.4	44.3	44.9	45.3	45.5	45.5	45.4	45.1	**DX3-012**
	42.8	46.0	48.6	50.5	52.0	53.1	53.9	54.4	54.6	54.6	54.4	54.1	**DX3-015**
	57.0	61.4	64.8	67.4	69.4	70.8	71.8	72.5	72.8	72.8	72.6	72.2	**DX3-020**
	71.3	76.7	81.0	84.2	86.7	88.5	89.8	90.6	91.0	91.0	90.7	90.2	**DX3-025**

Condensing Temperature (°C)	R22			Extended Capacity (kW) Evaporating Temperature (°C)								Valve Type
	15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	
35	20.0	22.3	24.0	25.3	26.4	27.1	27.7	28.1	28.3	28.4	28.4	28.3	**DX3-008**
	25.1	27.9	30.0	31.7	33.0	33.9	34.6	35.1	35.4	35.5	35.5	35.4	**DX3-010**
	31.3	34.8	37.5	39.6	41.2	42.4	43.3	43.9	44.2	44.4	44.4	44.2	**DX3-012**
	37.6	41.8	45.0	47.5	49.4	50.9	51.9	52.6	53.1	53.3	53.3	53.1	**DX3-015**
	50.1	55.7	60.0	63.4	65.9	67.8	69.2	70.2	70.8	71.0	71.0	70.8	**DX3-020**
	62.6	69.7	75.0	79.2	82.4	84.8	86.5	87.7	88.4	88.8	88.8	88.5	**DX3-025**
30	16.4	19.4	21.6	23.3	24.6	25.6	26.4	26.9	27.2	27.5	27.5	27.5	**DX3-008**
	20.5	24.2	27.0	29.2	30.8	32.0	32.9	33.6	34.1	34.3	34.4	34.4	**DX3-010**
	25.6	30.3	33.8	36.4	38.5	40.0	41.2	42.0	42.6	42.9	43.0	43.0	**DX3-012**
	30.7	36.4	40.5	43.7	46.2	48.0	49.4	50.4	51.1	51.5	51.6	51.6	**DX3-015**
	40.9	48.5	54.1	58.3	61.6	64.0	65.9	67.2	68.1	68.6	68.9	68.8	**DX3-020**
	51.2	60.6	67.6	72.9	76.9	80.0	82.3	84.0	85.1	85.8	86.1	86.0	**DX3-025**
25	11.0	15.6	18.6	20.8	22.5	23.8	24.7	25.4	25.9	26.3	26.5	26.5	**DX3-008**
	13.8	19.5	23.3	26.0	28.1	29.7	30.9	31.8	32.4	32.8	33.1	33.2	**DX3-010**
	17.2	24.3	29.1	32.5	35.1	37.1	38.6	39.7	40.5	41.1	41.4	41.5	**DX3-012**
	20.7	29.2	34.9	39.0	42.2	44.6	46.4	47.7	48.6	49.3	49.6	49.8	**DX3-015**
	27.5	38.9	46.5	52.1	56.2	59.4	61.8	63.6	64.8	65.7	66.2	66.4	**DX3-020**
	34.4	48.7	58.2	65.1	70.3	74.3	77.3	79.5	81.1	82.1	82.7	82.9	**DX3-025**
20		12.4	18.3	22.1	24.9	26.9	28.5	29.6	30.5	31.1	31.5	31.7	**DX3-010**
		15.5	22.9	27.6	31.1	33.6	35.6	37.0	38.1	38.8	39.3	39.6	**DX3-012**
		18.6	27.4	33.2	37.3	40.4	42.7	44.4	45.7	46.6	47.2	47.5	**DX3-015**
		24.8	36.6	44.2	49.7	53.8	56.9	59.2	60.9	62.1	62.9	63.3	**DX3-020**
		31.0	45.7	55.3	62.1	67.3	71.1	74.0	76.2	77.7	78.6	79.2	**DX3-025**
15			8.2	13.0	15.9	18.0	19.6	20.7	21.6	22.2	22.6	22.9	**DX3-008**
			10.2	16.2	19.9	22.5	24.5	25.9	27.0	27.8	28.3	28.7	**DX3-010**
			12.8	20.3	24.9	28.2	30.6	32.4	33.7	34.7	35.4	35.8	**DX3-012**
			15.3	24.3	29.9	33.8	36.7	38.9	40.5	41.7	42.5	43.0	**DX3-015**
			20.5	32.4	39.8	45.1	48.9	51.8	54.0	55.5	56.6	57.3	**DX3-020**
			25.6	40.5	49.8	56.3	61.2	64.8	67.5	69.4	70.8	71.7	**DX3-025**
10				6.8	12.2	15.4	17.6	19.2	20.4	21.2	21.9	22.3	**DX3-008**
				8.5	15.3	19.2	22.0	24.0	25.4	26.5	27.3	27.9	**DX3-010**
				10.6	19.1	24.1	27.5	30.0	31.8	33.2	34.1	34.8	**DX3-012**
				12.7	23.0	28.9	33.0	36.0	38.2	39.8	41.0	41.8	**DX3-015**
				17.0	30.6	38.5	44.0	47.9	50.9	53.1	54.6	55.7	**DX3-020**
				21.2	38.3	48.1	54.9	59.9	63.6	66.3	68.3	69.6	**DX3-025**

Condensing Temperature (°C)	R410A			Extended Capacity (kW) Evaporating Temperature (°C)									Valve Type
	15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	
65	26.1	26.6	26.9	27.1	27.1	27.0	26.9	26.6	26.2	25.7	25.2	24.7	**DX3-008**
	32.6	33.2	33.6	33.9	33.9	33.8	33.6	33.2	32.7	32.2	31.5	30.8	**DX3-010**
	40.8	41.5	42.1	42.3	42.4	42.3	42.0	41.5	40.9	40.2	39.4	38.5	**DX3-012**
	48.9	49.9	50.5	50.8	50.9	50.7	50.3	49.8	49.1	48.3	47.3	46.2	**DX3-015**
	65.2	66.5	67.3	67.7	67.8	67.6	67.1	66.4	65.5	64.4	63.1	61.6	**DX3-020**
	81.6	83.1	84.1	84.6	84.8	84.5	83.9	83.0	81.9	80.5	78.8	77.0	**DX3-025**
60	28.5	29.2	29.8	30.1	30.3	30.3	30.2	30.0	29.8	29.4	28.9	28.4	**DX3-008**
	35.6	36.5	37.2	37.6	37.8	37.9	37.8	37.6	37.2	36.7	36.2	35.5	**DX3-010**
	44.6	45.7	46.5	47.0	47.3	47.4	47.2	46.9	46.5	45.9	45.2	44.4	**DX3-012**
	53.5	54.8	55.8	56.4	56.8	56.8	56.7	56.3	55.8	55.1	54.2	53.2	**DX3-015**
	71.3	73.1	74.4	75.2	75.7	75.8	75.6	75.1	74.4	73.4	72.3	71.0	**DX3-020**
	89.1	91.4	93.0	94.0	94.6	94.7	94.5	93.9	93.0	91.8	90.4	88.7	**DX3-025**
55	29.6	30.5	31.3	31.8	32.1	32.3	32.3	32.2	32.0	31.7	31.4	30.9	**DX3-008**
	37.0	38.2	39.1	39.7	40.1	40.4	40.4	40.3	40.1	39.7	39.2	38.6	**DX3-010**
	46.2	47.7	48.8	49.7	50.2	50.5	50.5	50.4	50.1	49.6	49.0	48.3	**DX3-012**
	55.4	57.2	58.6	59.6	60.2	60.6	60.6	60.5	60.1	59.5	58.8	57.9	**DX3-015**
	73.9	76.3	78.1	79.5	80.3	80.7	80.8	80.6	80.1	79.4	78.4	77.2	**DX3-020**
	92.4	95.4	97.7	99.3	100.4	100.9	101.0	100.8	100.1	99.2	98.0	96.6	**DX3-025**
50	29.7	30.9	31.9	32.6	33.1	33.5	33.6	33.6	33.5	33.3	33.0	32.6	**DX3-008**
	37.1	38.6	39.9	40.8	41.4	41.8	42.0	42.1	41.9	41.7	41.3	40.8	**DX3-010**
	46.4	48.3	49.8	51.0	51.8	52.3	52.5	52.6	52.4	52.1	51.6	51.0	**DX3-012**
	55.6	58.0	59.8	61.1	62.1	62.7	63.0	63.1	62.9	62.5	61.9	61.2	**DX3-015**
	74.2	77.3	79.7	81.5	82.8	83.6	84.0	84.1	83.9	83.3	82.6	81.6	**DX3-020**
	92.7	96.6	99.6	101.9	103.5	104.5	105.1	105.1	104.8	104.2	103.2	102.0	**DX3-025**
45	29.0	30.6	31.8	32.8	33.5	34.0	34.3	34.4	34.4	34.3	34.1	33.8	**DX3-008**
	36.2	38.2	39.7	40.9	41.8	42.4	42.8	43.0	43.0	42.9	42.6	42.2	**DX3-010**
	45.3	47.7	49.7	51.2	52.3	53.1	53.6	53.8	53.8	53.6	53.3	52.8	**DX3-012**
	54.3	57.3	59.6	61.4	62.7	63.7	64.3	64.5	64.6	64.4	63.9	63.3	**DX3-015**
	72.4	76.4	79.5	81.9	83.6	84.9	85.7	86.1	86.1	85.8	85.3	84.5	**DX3-020**
	90.5	95.5	99.4	102.3	104.6	106.1	107.1	107.6	107.6	107.3	106.6	105.6	**DX3-025**
40	27.5	29.5	31.1	32.3	33.2	33.9	34.4	34.7	34.8	34.8	34.7	34.5	**DX3-008**
	34.3	36.8	38.8	40.4	41.5	42.4	43.0	43.4	43.5	43.5	43.4	43.1	**DX3-010**
	42.9	46.1	48.5	50.4	51.9	53.0	53.7	54.2	54.4	54.4	54.2	53.8	**DX3-012**
	51.5	55.3	58.2	60.5	62.3	63.6	64.5	65.0	65.3	65.3	65.0	64.6	**DX3-015**
	68.7	73.7	77.6	80.7	83.0	84.8	86.0	86.7	87.0	87.0	86.7	86.1	**DX3-020**
	85.9	92.1	97.0	100.9	103.8	106.0	107.5	108.4	108.8	108.8	108.4	107.7	**DX3-025**

Condensing Temperature (°C)	R410A			Extended Capacity (kW) Evaporating Temperature (°C)									Valve Type
	15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	
35	25.1	27.7	29.7	31.2	32.4	33.3	34.0	34.5	34.7	34.9	34.8	34.7	**DX3-008**
	31.4	34.6	37.1	39.0	40.5	41.7	42.5	43.1	43.4	43.6	43.5	43.4	**DX3-010**
	39.2	43.2	46.4	48.8	50.7	52.1	53.1	53.9	54.3	54.5	54.4	54.2	**DX3-012**
	47.1	51.9	55.6	58.6	60.8	62.5	63.8	64.6	65.1	65.4	65.3	65.0	**DX3-015**
	62.8	69.2	74.2	78.1	81.1	83.4	85.0	86.2	86.9	87.1	87.1	86.7	**DX3-020**
	78.5	86.5	92.7	97.6	101.4	104.2	106.3	107.7	108.6	108.9	108.9	108.4	**DX3-025**
30	21.7	25.0	27.6	29.6	31.1	32.3	33.2	33.8	34.2	34.5	34.6	34.5	**DX3-008**
	27.1	31.3	34.5	37.0	38.9	40.4	41.5	42.3	42.8	43.1	43.2	43.2	**DX3-010**
	33.9	39.1	43.1	46.2	48.6	50.5	51.8	52.8	53.5	53.9	54.0	54.0	**DX3-012**
	40.7	47.0	51.8	55.5	58.3	60.6	62.2	63.4	64.2	64.7	64.9	64.8	**DX3-015**
	54.2	62.6	69.0	73.9	77.8	80.7	83.0	84.5	85.6	86.2	86.5	86.4	**DX3-020**
	67.8	78.3	86.3	92.4	97.2	100.9	103.7	105.7	107.0	107.8	108.1	108.0	**DX3-025**
25	16.6	21.4	24.7	27.3	29.2	30.7	31.9	32.7	33.3	33.7	34.0	34.0	**DX3-008**
	20.8	26.7	30.9	34.1	36.5	38.4	39.9	40.9	41.7	42.2	42.5	42.6	**DX3-010**
	26.0	33.4	38.7	42.6	45.7	48.0	49.8	51.2	52.1	52.7	53.1	53.2	**DX3-012**
	31.2	40.1	46.4	51.2	54.8	57.6	59.8	61.4	62.5	63.3	63.7	63.8	**DX3-015**
	41.6	53.4	61.9	68.2	73.1	76.9	79.7	81.9	83.4	84.4	84.9	85.1	**DX3-020**
	52.0	66.8	77.3	85.3	91.4	96.1	99.7	102.3	104.2	105.5	106.2	106.4	**DX3-025**
20	7.3	16.0	20.8	24.2	26.7	28.7	30.1	31.2	32.1	32.6	33.0	33.2	**DX3-008**
	9.1	20.0	26.1	30.3	33.4	35.8	37.7	39.1	40.1	40.8	41.3	41.5	**DX3-010**
	11.4	25.0	32.6	37.8	41.8	44.8	47.1	48.8	50.1	51.0	51.6	51.9	**DX3-012**
	13.6	30.1	39.1	45.4	50.1	53.7	56.5	58.6	60.1	61.2	61.9	62.2	**DX3-015**
	18.2	40.1	52.1	60.6	66.9	71.7	75.3	78.1	80.2	81.6	82.5	83.0	**DX3-020**
	22.7	50.1	65.1	75.7	83.6	89.6	94.2	97.6	100.2	102.0	103.1	103.7	**DX3-025**
15		5.6	15.2	20.1	23.5	26.0	27.9	29.3	30.4	31.1	31.7	32.0	**DX3-008**
		7.0	19.0	25.1	29.4	32.5	34.8	36.6	38.0	38.9	39.6	40.0	**DX3-010**
		8.8	23.8	31.4	36.7	40.6	43.6	45.8	47.5	48.7	49.5	50.0	**DX3-012**
		10.5	28.6	37.7	44.1	48.7	52.3	54.9	56.9	58.4	59.4	60.0	**DX3-015**
		14.1	38.1	50.3	58.7	65.0	69.7	73.3	75.9	77.9	79.2	80.1	**DX3-020**
		17.6	47.6	62.9	73.4	81.2	87.1	91.6	94.9	97.3	99.0	100.1	**DX3-025**
10			2.8	14.2	19.2	22.6	25.0	26.9	28.3	29.3	30.0	30.5	**DX3-008**
			3.5	17.8	24.0	28.2	31.3	33.6	35.3	36.6	37.5	38.2	**DX3-010**
			4.3	22.2	30.0	35.3	39.1	42.0	44.2	45.8	46.9	47.7	**DX3-012**
			5.2	26.6	36.0	42.3	46.9	50.4	53.0	54.9	56.3	57.3	**DX3-015**
			6.9	35.5	48.0	56.4	62.6	67.2	70.7	73.2	75.1	76.3	**DX3-020**
			8.6	44.4	60.0	70.5	78.2	84.0	88.3	91.5	93.8	95.4	**DX3-025**

Condensing Temperature (°C)	R407C			Extended Capacity (kW) Evaporating Temperature (°C)									Valve Type
	15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	
Dew Point 68.6 Bubble Point 65	27.3	27.5	27.5	27.3	27.1	26.8	26.3	25.8	25.3	24.6	24.0	23.2	**DX3-008**
	34.1	34.3	34.3	34.2	33.9	33.4	32.9	32.3	31.6	30.8	30.0	29.1	**DX3-010**
	42.7	42.9	42.9	42.7	42.3	41.8	41.1	40.4	39.5	38.5	37.4	36.3	**DX3-012**
	51.2	51.5	51.5	51.3	50.8	50.2	49.4	48.4	47.4	46.2	44.9	43.6	**DX3-015**
	68.3	68.6	68.7	68.3	67.7	66.9	65.8	64.6	63.2	61.6	59.9	58.1	**DX3-020**
	85.3	85.8	85.8	85.4	84.7	83.6	82.3	80.7	78.9	77.0	74.9	72.7	**DX3-025**
Dew Point 63.9 Bubble Point 60	28.0	28.3	28.5	28.4	28.3	28.1	27.7	27.3	26.8	26.2	25.6	25.0	**DX3-008**
	35.0	35.4	35.6	35.6	35.4	35.1	34.7	34.1	33.5	32.8	32.0	31.2	**DX3-010**
	43.7	44.2	44.5	44.5	44.2	43.9	43.3	42.7	41.9	41.0	40.0	39.0	**DX3-012**
	52.5	53.1	53.3	53.3	53.1	52.6	52.0	51.2	50.3	49.2	48.0	46.8	**DX3-015**
	70.0	70.8	71.1	71.1	70.8	70.2	69.3	68.3	67.0	65.6	64.1	62.4	**DX3-020**
	87.5	88.5	88.9	88.9	88.5	87.7	86.7	85.3	83.8	82.0	80.1	78.0	**DX3-025**
Dew Point 59.2 Bubble Point 55	28.2	28.7	29.0	29.1	29.1	28.9	28.7	28.4	27.9	27.4	26.9	26.3	**DX3-008**
	35.2	35.8	36.2	36.4	36.4	36.2	35.9	35.4	34.9	34.3	33.6	32.8	**DX3-010**
	44.0	44.8	45.3	45.5	45.4	45.2	44.8	44.3	43.6	42.9	42.0	41.0	**DX3-012**
	52.8	53.7	54.3	54.6	54.5	54.3	53.8	53.2	52.4	51.4	50.4	49.3	**DX3-015**
	70.4	71.7	72.4	72.7	72.7	72.4	71.7	70.9	69.8	68.6	67.2	65.7	**DX3-020**
	88.0	89.6	90.5	90.9	90.9	90.5	89.7	88.6	87.3	85.7	84.0	82.1	**DX3-025**
Dew Point 54.5 Bubble Point 50	27.8	28.5	29.0	29.3	29.4	29.4	29.3	29.0	28.7	28.2	27.8	27.2	**DX3-008**
	34.8	35.7	36.3	36.6	36.8	36.8	36.6	36.3	35.8	35.3	34.7	34.0	**DX3-010**
	43.5	44.6	45.4	45.8	46.0	46.0	45.7	45.3	44.8	44.1	43.4	42.5	**DX3-012**
	52.2	53.5	54.4	55.0	55.2	55.1	54.9	54.4	53.8	53.0	52.0	51.0	**DX3-015**
	69.6	71.4	72.6	73.3	73.6	73.5	73.2	72.5	71.7	70.6	69.4	68.0	**DX3-020**
	87.0	89.2	90.7	91.6	92.0	91.9	91.5	90.7	89.6	88.3	86.7	85.0	**DX3-025**
Dew Point 49.7 Bubble Point 45	27.0	28.0	28.7	29.1	29.4	29.5	29.5	29.3	29.1	28.7	28.3	27.8	**DX3-008**
	33.8	35.0	35.8	36.4	36.7	36.9	36.8	36.6	36.3	35.9	35.4	34.8	**DX3-010**
	42.2	43.7	44.8	45.5	45.9	46.1	46.0	45.8	45.4	44.9	44.2	43.5	**DX3-012**
	50.7	52.5	53.7	54.6	55.1	55.3	55.3	55.0	54.5	53.9	53.1	52.2	**DX3-015**
	67.5	69.9	71.7	72.8	73.5	73.8	73.7	73.3	72.7	71.8	70.7	69.5	**DX3-020**
	84.4	87.4	89.6	91.0	91.9	92.2	92.1	91.6	90.8	89.8	88.4	86.9	**DX3-025**
Dew Point 44.9 Bubble Point 40	25.7	26.9	27.9	28.5	29.0	29.2	29.3	29.3	29.1	28.9	28.5	28.1	**DX3-008**
	32.1	33.7	34.8	35.7	36.2	36.5	36.7	36.6	36.4	36.1	35.7	35.1	**DX3-010**
	40.1	42.1	43.6	44.6	45.3	45.7	45.8	45.8	45.5	45.1	44.6	43.9	**DX3-012**
	48.2	50.5	52.3	53.5	54.3	54.8	55.0	54.9	54.6	54.1	53.5	52.7	**DX3-015**
	64.2	67.4	69.7	71.4	72.5	73.1	73.3	73.2	72.8	72.2	71.3	70.3	**DX3-020**
	80.3	84.2	87.1	89.2	90.6	91.4	91.7	91.5	91.0	90.2	89.2	87.9	**DX3-025**

Condensing Temperature (°C)	R407C			Extended Capacity (kW) Evaporating Temperature (°C)									Valve Type
	15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	
Dew Point 40.1 Bubble Point 35	23.8	25.4	26.7	27.6	28.2	28.6	28.9	28.9	28.9	28.7	28.5	28.1	**DX3-008**
	29.7	31.8	33.3	34.5	35.3	35.8	36.1	36.2	36.1	35.9	35.6	35.2	**DX3-010**
	37.2	39.7	41.7	43.1	44.1	44.7	45.1	45.2	45.1	44.9	44.5	43.9	**DX3-012**
	44.6	47.7	50.0	51.7	52.9	53.7	54.1	54.3	54.2	53.9	53.4	52.7	**DX3-015**
	59.5	63.6	66.6	68.9	70.5	71.6	72.2	72.4	72.2	71.8	71.2	70.3	**DX3-020**
	74.3	79.5	83.3	86.1	88.1	89.5	90.2	90.4	90.3	89.8	88.9	87.9	**DX3-025**
Dew Point 35.3 Bubble Point 30	21.2	23.4	25.0	26.2	27.1	27.7	28.1	28.3	28.4	28.3	28.1	27.9	**DX3-008**
	26.5	29.2	31.2	32.7	33.8	34.6	35.1	35.4	35.4	35.4	35.1	34.8	**DX3-010**
	33.2	36.5	39.0	40.9	42.3	43.2	43.9	44.2	44.3	44.2	43.9	43.5	**DX3-012**
	39.8	43.8	46.8	49.1	50.7	51.9	52.6	53.0	53.2	53.0	52.7	52.2	**DX3-015**
	53.0	58.4	62.5	65.5	67.6	69.2	70.2	70.7	70.9	70.7	70.3	69.6	**DX3-020**
	66.3	73.0	78.1	81.8	84.6	86.5	87.7	88.4	88.6	88.4	87.9	87.1	**DX3-025**
Dew Point 30.4 Bubble Point 25	17.7	20.7	22.8	24.4	25.5	26.4	27.0	27.3	27.5	27.6	27.5	27.3	**DX3-008**
	22.2	25.8	28.5	30.4	31.9	33.0	33.7	34.2	34.4	34.5	34.4	34.2	**DX3-010**
	27.7	32.3	35.6	38.1	39.9	41.2	42.1	42.7	43.0	43.1	43.0	42.7	**DX3-012**
	33.3	38.7	42.7	45.7	47.9	49.4	50.5	51.2	51.6	51.7	51.6	51.2	**DX3-015**
	44.3	51.6	57.0	60.9	63.8	65.9	67.4	68.3	68.8	68.9	68.8	68.3	**DX3-020**
	55.4	64.6	71.2	76.1	79.8	82.4	84.2	85.4	86.0	86.2	85.9	85.4	**DX3-025**
Dew Point 25.6 Bubble Point 20	12.7	17.0	19.9	22.0	23.6	24.7	25.5	26.1	26.4	26.6	26.6	26.5	**DX3-008**
	15.9	21.3	24.9	27.5	29.5	30.9	31.9	32.6	33.0	33.2	33.3	33.2	**DX3-010**
	19.9	26.6	31.1	34.4	36.8	38.6	39.9	40.7	41.3	41.6	41.6	41.5	**DX3-012**
	23.8	31.9	37.4	41.3	44.2	46.3	47.8	48.9	49.5	49.9	49.9	49.8	**DX3-015**
	31.8	42.6	49.8	55.1	58.9	61.7	63.8	65.2	66.0	66.5	66.6	66.4	**DX3-020**
	39.7	53.2	62.3	68.8	73.6	77.2	79.7	81.4	82.5	83.1	83.2	83.0	**DX3-025**
Dew Point 20.7 Bubble Point 15		11.8	16.2	19.0	21.1	22.6	23.7	24.5	25.0	25.3	25.5	25.5	**DX3-008**
		14.7	20.2	23.8	26.4	28.3	29.6	30.6	31.3	31.7	31.9	31.9	**DX3-010**
		18.4	25.2	29.8	33.0	35.3	37.0	38.2	39.1	39.6	39.8	39.9	**DX3-012**
		22.1	30.3	35.7	39.6	42.4	44.4	45.9	46.9	47.5	47.8	47.9	**DX3-015**
		29.4	40.4	47.6	52.8	56.5	59.2	61.2	62.5	63.3	63.7	63.8	**DX3-020**
		36.8	50.5	59.5	65.9	70.6	74.1	76.5	78.1	79.2	79.7	79.8	**DX3-025**
Dew Point 15.9 Bubble Point 10			10.6	15.1	18.0	20.0	21.5	22.5	23.3	23.8	24.1	24.2	**DX3-008**
			13.2	18.9	22.5	25.0	26.9	28.2	29.1	29.7	30.1	30.3	**DX3-010**
			16.5	23.6	28.1	31.3	33.6	35.2	36.4	37.2	37.6	37.9	**DX3-012**
			19.9	28.3	33.7	37.5	40.3	42.3	43.7	44.6	45.2	45.5	**DX3-015**
			26.5	37.8	45.0	50.0	53.7	56.4	58.2	59.5	60.2	60.6	**DX3-020**
			33.1	47.2	56.2	62.5	67.1	70.4	72.8	74.3	75.3	75.8	**DX3-025**

Condensing Temperature (°C)	R134a	Extended Capacity (kW) Evaporating Temperature (°C)											Valve Type
	15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	
65	21.9	22.0	21.9	21.7	21.5	21.1	20.7	20.2	19.7	19.1	18.5	17.9	**DX3-008**
	27.4	27.5	27.4	27.2	26.8	26.4	25.9	25.3	24.6	23.9	23.1	22.3	**DX3-010**
	34.2	34.3	34.2	34.0	33.6	33.0	32.4	31.6	30.8	29.9	28.9	27.9	**DX3-012**
	41.0	41.2	41.1	40.8	40.3	39.6	38.8	37.9	36.9	35.8	34.7	33.5	**DX3-015**
	54.7	54.9	54.8	54.3	53.7	52.8	51.8	50.6	49.2	47.8	46.3	44.7	**DX3-020**
	68.4	68.6	68.5	67.9	67.1	66.0	64.7	63.2	61.5	59.7	57.8	55.8	**DX3-025**
60	21.7	22.0	22.1	22.0	21.9	21.6	21.3	20.9	20.4	19.9	19.3	18.7	**DX3-008**
	27.2	27.5	27.6	27.5	27.3	27.0	26.6	26.1	25.5	24.9	24.2	23.4	**DX3-010**
	34.0	34.4	34.5	34.4	34.2	33.8	33.2	32.6	31.9	31.1	30.2	29.3	**DX3-012**
	40.8	41.2	41.4	41.3	41.0	40.5	39.9	39.1	38.2	37.3	36.2	35.1	**DX3-015**
	54.4	55.0	55.2	55.0	54.6	54.0	53.2	52.1	51.0	49.7	48.3	46.8	**DX3-020**
	68.0	68.7	69.0	68.8	68.3	67.5	66.5	65.2	63.7	62.1	60.4	58.6	**DX3-025**
55	21.2	21.7	21.9	22.0	21.9	21.8	21.5	21.2	20.8	20.4	19.9	19.3	**DX3-008**
	26.5	27.1	27.4	27.5	27.4	27.2	26.9	26.5	26.0	25.5	24.9	24.2	**DX3-010**
	33.2	33.8	34.2	34.3	34.3	34.0	33.7	33.1	32.5	31.8	31.1	30.2	**DX3-012**
	39.8	40.6	41.1	41.2	41.1	40.8	40.4	39.8	39.0	38.2	37.3	36.3	**DX3-015**
	53.1	54.1	54.7	55.0	54.8	54.5	53.8	53.0	52.1	50.9	49.7	48.4	**DX3-020**
	66.4	67.7	68.4	68.7	68.6	68.1	67.3	66.3	65.1	63.7	62.1	60.5	**DX3-025**
50	20.3	21.0	21.4	21.6	21.7	21.7	21.5	21.3	21.0	20.6	20.2	19.7	**DX3-008**
	25.4	26.2	26.8	27.1	27.2	27.1	26.9	26.6	26.2	25.8	25.2	24.6	**DX3-010**
	31.8	32.8	33.4	33.8	34.0	33.9	33.7	33.3	32.8	32.2	31.5	30.8	**DX3-012**
	38.1	39.3	40.1	40.6	40.7	40.7	40.4	39.9	39.4	38.6	37.8	37.0	**DX3-015**
	50.9	52.5	53.5	54.1	54.3	54.2	53.9	53.3	52.5	51.5	50.5	49.3	**DX3-020**
	63.6	65.6	66.9	67.6	67.9	67.8	67.3	66.6	65.6	64.4	63.1	61.6	**DX3-025**
45	19.0	19.9	20.6	21.0	21.2	21.3	21.3	21.1	20.9	20.6	20.2	19.8	**DX3-008**
	23.8	24.9	25.7	26.2	26.5	26.6	26.6	26.4	26.1	25.8	25.3	24.8	**DX3-010**
	29.7	31.1	32.1	32.8	33.2	33.3	33.2	33.0	32.7	32.2	31.6	31.0	**DX3-012**
	35.7	37.4	38.6	39.4	39.8	40.0	39.9	39.6	39.2	38.6	38.0	37.2	**DX3-015**
	47.6	49.8	51.4	52.5	53.1	53.3	53.2	52.8	52.3	51.5	50.6	49.6	**DX3-020**
	59.5	62.3	64.3	65.6	66.3	66.6	66.5	66.0	65.3	64.4	63.3	62.0	**DX3-025**
40	17.2	18.5	19.4	20.0	20.4	20.7	20.7	20.7	20.6	20.4	20.1	19.7	**DX3-008**
	21.5	23.1	24.2	25.0	25.5	25.8	25.9	25.9	25.7	25.5	25.1	24.7	**DX3-010**
	26.9	28.9	30.3	31.3	31.9	32.3	32.4	32.4	32.2	31.8	31.4	30.8	**DX3-012**
	32.3	34.6	36.3	37.5	38.3	38.7	38.9	38.8	38.6	38.2	37.6	37.0	**DX3-015**
	43.0	46.2	48.5	50.0	51.1	51.7	51.9	51.8	51.5	50.9	50.2	49.3	**DX3-020**
	53.8	57.7	60.6	62.5	63.8	64.6	64.8	64.7	64.3	63.6	62.7	61.7	**DX3-025**

Condensing Temperature (°C)	R134a			Extended Capacity (kW) Evaporating Temperature (°C)									Valve Type
	15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	
35	14.8	16.5	17.8	18.7	19.3	19.7	20.0	20.0	20.0	19.9	19.7	19.4	**DX3-008**
	18.5	20.7	22.2	23.4	24.1	24.7	24.9	25.1	25.0	24.9	24.6	24.3	**DX3-010**
	23.1	25.8	27.8	29.2	30.2	30.8	31.2	31.3	31.3	31.1	30.8	30.3	**DX3-012**
	27.7	31.0	33.4	35.0	36.2	37.0	37.4	37.6	37.5	37.3	36.9	36.4	**DX3-015**
	36.9	41.3	44.5	46.7	48.3	49.3	49.9	50.1	50.0	49.7	49.2	48.5	**DX3-020**
	46.2	51.7	55.6	58.4	60.4	61.6	62.4	62.6	62.6	62.2	61.5	60.6	**DX3-025**
30	11.4	13.9	15.7	17.0	17.9	18.5	18.9	19.1	19.2	19.2	19.1	18.9	**DX3-008**
	14.2	17.4	19.6	21.2	22.3	23.1	23.6	23.9	24.0	24.0	23.8	23.6	**DX3-010**
	17.7	21.8	24.6	26.5	27.9	28.9	29.5	29.9	30.0	30.0	29.8	29.5	**DX3-012**
	21.3	26.1	29.5	31.8	33.5	34.7	35.4	35.9	36.0	36.0	35.7	35.4	**DX3-015**
	28.4	34.9	39.3	42.4	44.7	46.2	47.2	47.8	48.0	48.0	47.7	47.2	**DX3-020**
	35.5	43.6	49.1	53.0	55.8	57.8	59.0	59.8	60.0	60.0	59.6	59.0	**DX3-025**
25	5.4	10.3	13.0	14.8	16.0	16.9	17.5	17.9	18.2	18.2	18.2	18.1	**DX3-008**
	6.8	12.8	16.2	18.4	20.0	21.1	21.9	22.4	22.7	22.8	22.8	22.6	**DX3-010**
	8.4	16.1	20.2	23.1	25.0	26.4	27.4	28.0	28.4	28.5	28.5	28.3	**DX3-012**
	10.1	19.3	24.3	27.7	30.0	31.7	32.9	33.6	34.0	34.2	34.2	34.0	**DX3-015**
	13.5	25.7	32.4	36.9	40.0	42.3	43.8	44.8	45.4	45.6	45.6	45.3	**DX3-020**
	16.9	32.1	40.5	46.1	50.1	52.8	54.8	56.0	56.7	57.0	56.9	56.6	**DX3-025**
20		2.9	9.0	11.8	13.6	14.9	15.8	16.4	16.8	17.1	17.1	17.1	**DX3-008**
		3.6	11.2	14.8	17.1	18.7	19.8	20.5	21.0	21.3	21.4	21.4	**DX3-010**
		4.5	14.0	18.4	21.3	23.3	24.7	25.7	26.3	26.6	26.8	26.8	**DX3-012**
		5.4	16.8	22.1	25.6	28.0	29.7	30.8	31.5	32.0	32.1	32.1	**DX3-015**
		7.2	22.4	29.5	34.1	37.3	39.5	41.1	42.1	42.6	42.9	42.8	**DX3-020**
		9.0	28.0	36.9	42.6	46.6	49.4	51.3	52.6	53.3	53.6	53.5	**DX3-025**
15				7.4	10.5	12.4	13.7	14.6	15.2	15.6	15.8	15.9	**DX3-008**
				9.2	13.1	15.5	17.1	18.2	19.0	19.5	19.8	19.9	**DX3-010**
				11.5	16.3	19.3	21.4	22.8	23.7	24.4	24.7	24.9	**DX3-012**
				13.8	19.6	23.2	25.6	27.3	28.5	29.2	29.7	29.8	**DX3-015**
				18.4	26.1	30.9	34.2	36.4	38.0	39.0	39.5	39.8	**DX3-020**
				23.0	32.7	38.6	42.7	45.5	47.5	48.7	49.4	49.7	**DX3-025**
10					5.2	8.8	10.9	12.2	13.2	13.8	14.2	14.4	**DX3-008**
					6.5	11.0	13.6	15.3	16.5	17.2	17.8	18.1	**DX3-010**
					8.1	13.8	17.0	19.1	20.6	21.6	22.2	22.6	**DX3-012**
					9.7	16.6	20.4	23.0	24.7	25.9	26.6	27.1	**DX3-015**
					12.9	22.1	27.2	30.6	32.9	34.5	35.5	36.1	**DX3-020**
					16.2	27.6	34.0	38.3	41.1	43.1	44.4	45.1	**DX3-025**

Condensing Temperature (°C)	R32			Extended Capacity (kW) Evaporating Temperature (°C)									Valve Type
	15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	
65	46.2	47.5	48.5	49.3	49.9	50.3	50.5	50.6	50.5	50.4	50.1	49.7	**DX3-008**
	57.8	59.4	60.6	61.6	62.3	62.9	63.1	63.2	63.2	63.0	62.6	62.1	**DX3-010**
	72.2	74.2	75.8	77.0	77.9	78.6	78.9	79.1	79.0	78.7	78.3	77.7	**DX3-012**
	86.7	89.0	90.9	92.4	93.5	94.3	94.7	94.9	94.8	94.4	93.9	93.2	**DX3-015**
	115.5	118.7	121.3	123.2	124.7	125.7	126.3	126.5	126.4	125.9	125.2	124.3	**DX3-020**
	144.4	148.4	151.6	154.0	155.9	157.1	157.9	158.1	158.0	157.4	156.5	155.3	**DX3-025**
60	47.1	48.6	49.9	50.8	51.6	52.2	52.5	52.7	52.8	52.7	52.5	52.2	**DX3-008**
	58.8	60.8	62.3	63.6	64.5	65.2	65.7	65.9	66.0	65.9	65.6	65.2	**DX3-010**
	73.5	75.9	77.9	79.5	80.6	81.5	82.1	82.4	82.5	82.3	82.0	81.5	**DX3-012**
	88.3	91.1	93.5	95.3	96.8	97.8	98.5	98.9	99.0	98.8	98.4	97.8	**DX3-015**
	117.7	121.5	124.6	127.1	129.0	130.4	131.3	131.8	131.9	131.7	131.2	130.4	**DX3-020**
	147.1	151.9	155.8	158.9	161.3	163.0	164.2	164.8	164.9	164.7	164.0	163.1	**DX3-025**
55	46.8	48.7	50.2	51.4	52.3	53.1	53.6	53.9	54.1	54.1	54.0	53.7	**DX3-008**
	58.5	60.8	62.7	64.2	65.4	66.3	67.0	67.4	67.6	67.6	67.4	67.1	**DX3-010**
	73.2	76.0	78.4	80.3	81.8	82.9	83.7	84.2	84.5	84.5	84.3	83.9	**DX3-012**
	87.8	91.2	94.1	96.3	98.1	99.5	100.4	101.1	101.4	101.4	101.2	100.7	**DX3-015**
	117.0	121.7	125.4	128.5	130.8	132.6	133.9	134.7	135.1	135.2	134.9	134.3	**DX3-020**
	146.3	152.1	156.8	160.6	163.6	165.8	167.4	168.4	168.9	169.0	168.6	167.9	**DX3-025**
50	45.6	47.8	49.6	51.1	52.3	53.2	53.8	54.3	54.6	54.7	54.7	54.5	**DX3-008**
	57.0	59.8	62.0	63.9	65.3	66.5	67.3	67.9	68.2	68.4	68.4	68.2	**DX3-010**
	71.3	74.7	77.5	79.8	81.7	83.1	84.1	84.9	85.3	85.5	85.4	85.2	**DX3-012**
	85.5	89.7	93.1	95.8	98.0	99.7	101.0	101.8	102.4	102.6	102.5	102.3	**DX3-015**
	114.0	119.6	124.1	127.7	130.7	132.9	134.6	135.8	136.5	136.8	136.7	136.3	**DX3-020**
	142.6	149.4	155.1	159.7	163.3	166.2	168.3	169.7	170.6	171.0	170.9	170.4	**DX3-025**
45	43.5	46.2	48.3	50.1	51.5	52.6	53.5	54.1	54.5	54.7	54.8	54.8	**DX3-008**
	54.4	57.7	60.4	62.6	64.4	65.8	66.8	67.6	68.1	68.4	68.5	68.4	**DX3-010**
	68.0	72.1	75.5	78.2	80.5	82.2	83.5	84.5	85.1	85.5	85.6	85.5	**DX3-012**
	81.6	86.5	90.6	93.9	96.5	98.6	100.2	101.4	102.2	102.6	102.8	102.7	**DX3-015**
	108.8	115.4	120.8	125.2	128.7	131.5	133.6	135.2	136.2	136.8	137.0	136.9	**DX3-020**
	136.0	144.2	151.0	156.5	160.9	164.4	167.1	169.0	170.3	171.0	171.3	171.1	**DX3-025**
40	40.5	43.7	46.3	48.4	50.1	51.4	52.5	53.3	53.9	54.2	54.4	54.4	**DX3-008**
	50.6	54.6	57.8	60.5	62.6	64.3	65.6	66.6	67.3	67.8	68.0	68.1	**DX3-010**
	63.3	68.3	72.3	75.6	78.2	80.4	82.0	83.3	84.1	84.7	85.0	85.1	**DX3-012**
	75.9	81.9	86.8	90.7	93.9	96.4	98.4	99.9	101.0	101.7	102.0	102.1	**DX3-015**
	101.2	109.2	115.7	120.9	125.2	128.6	131.2	133.2	134.6	135.5	136.0	136.1	**DX3-020**
	126.6	136.5	144.6	151.2	156.5	160.7	164.0	166.5	168.3	169.4	170.0	170.1	**DX3-025**

Condensing Temperature (°C)	R32			Extended Capacity (kW) Evaporating Temperature (°C)									Valve Type
	15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	
35	36.4	40.3	43.5	46.0	48.1	49.7	51.0	52.0	52.7	53.2	53.5	53.7	**DX3-008**
	45.5	50.4	54.3	57.5	60.1	62.1	63.7	65.0	65.9	66.5	66.9	67.1	**DX3-010**
	56.9	63.0	67.9	71.9	75.1	77.6	79.6	81.2	82.4	83.1	83.6	83.9	**DX3-012**
	68.3	75.6	81.5	86.3	90.1	93.2	95.6	97.4	98.8	99.8	100.4	100.6	**DX3-015**
	91.1	100.9	108.7	115.0	120.1	124.2	127.4	129.9	131.8	133.0	133.8	134.2	**DX3-020**
	113.8	126.1	135.9	143.8	150.2	155.3	159.3	162.4	164.7	166.3	167.3	167.7	**DX3-025**
30	31.0	36.0	39.9	42.9	45.4	47.4	48.9	50.2	51.1	51.8	52.2	52.5	**DX3-008**
	38.8	45.0	49.8	53.7	56.8	59.2	61.2	62.7	63.9	64.7	65.3	65.6	**DX3-010**
	48.5	56.2	62.3	67.1	70.9	74.0	76.5	78.4	79.8	80.9	81.6	82.0	**DX3-012**
	58.1	67.5	74.7	80.5	85.1	88.8	91.8	94.1	95.8	97.1	97.9	98.4	**DX3-015**
	77.5	90.0	99.7	107.4	113.5	118.4	122.4	125.4	127.7	129.4	130.5	131.2	**DX3-020**
	96.9	112.5	124.6	134.2	141.9	148.1	152.9	156.8	159.7	161.8	163.2	164.0	**DX3-025**
25	23.5	30.3	35.3	39.1	42.1	44.5	46.4	47.9	49.0	49.9	50.5	50.9	**DX3-008**
	29.3	37.9	44.1	48.9	52.6	55.6	58.0	59.9	61.3	62.4	63.1	63.6	**DX3-010**
	36.7	47.4	55.1	61.1	65.8	69.5	72.5	74.8	76.6	78.0	78.9	79.5	**DX3-012**
	44.0	56.9	66.2	73.3	79.0	83.4	87.0	89.8	91.9	93.5	94.7	95.4	**DX3-015**
	58.7	75.8	88.2	97.8	105.3	111.2	116.0	119.7	122.6	124.7	126.3	127.3	**DX3-020**
	73.4	94.8	110.3	122.2	131.6	139.1	145.0	149.6	153.2	155.9	157.8	159.1	**DX3-025**
20	10.1	22.5	29.4	34.3	38.1	41.0	43.3	45.1	46.5	47.6	48.4	49.0	**DX3-008**
	12.6	28.1	36.7	42.9	47.6	51.2	54.1	56.4	58.2	59.5	60.5	61.2	**DX3-010**
	15.8	35.2	45.9	53.6	59.5	64.1	67.7	70.5	72.7	74.4	75.6	76.5	**DX3-012**
	18.9	42.2	55.1	64.4	71.4	76.9	81.2	84.6	87.3	89.3	90.8	91.8	**DX3-015**
	25.2	56.3	73.5	85.8	95.2	102.5	108.3	112.8	116.3	119.0	121.0	122.4	**DX3-020**
	31.6	70.3	91.9	107.3	119.0	128.1	135.3	141.0	145.4	148.8	151.3	153.0	**DX3-025**
15			21.3	28.2	33.1	36.8	39.6	41.9	43.6	44.9	45.9	46.6	**DX3-008**
			26.6	35.3	41.4	46.0	49.5	52.3	54.5	56.1	57.4	58.3	**DX3-010**
			33.2	44.1	51.7	57.5	61.9	65.4	68.1	70.2	71.7	72.9	**DX3-012**
			39.9	52.9	62.1	69.0	74.3	78.5	81.7	84.2	86.1	87.5	**DX3-015**
			53.2	70.6	82.8	92.0	99.1	104.6	109.0	112.3	114.8	116.6	**DX3-020**
			66.5	88.2	103.5	114.9	123.8	130.8	136.2	140.4	143.5	145.8	**DX3-025**
10				19.8	26.8	31.7	35.3	38.0	40.1	41.8	43.0	44.0	**DX3-008**
				24.7	33.5	39.6	44.1	47.5	50.2	52.2	53.8	55.0	**DX3-010**
				30.9	41.9	49.5	55.1	59.4	62.7	65.3	67.3	68.7	**DX3-012**
				37.1	50.3	59.3	66.1	71.3	75.3	78.4	80.7	82.5	**DX3-015**
				49.4	67.0	79.1	88.1	95.0	100.4	104.5	107.6	109.9	**DX3-020**
				61.8	83.8	98.9	110.2	118.8	125.5	130.6	134.5	137.4	**DX3-025**

Condensing Temperature (°C)	R404A			Extended Capacity (kW) Evaporating Temperature (°C)									Valve Type
	15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	
60	15.6	15.7	15.6	15.4	15.2	14.8	14.4	13.9	13.4	12.8	12.2	11.5	**DX3-008**
	19.5	19.6	19.5	19.3	19.0	18.6	18.1	17.4	16.8	16.0	15.3	14.4	**DX3-010**
	23.4	23.5	23.5	23.2	22.8	22.3	21.7	20.9	20.1	19.2	18.3	17.3	**DX3-012**
	29.3	29.4	29.3	29.0	28.5	27.9	27.0	26.1	25.1	24.0	22.9	21.6	**DX3-015**
	39.0	39.3	39.1	38.7	38.0	37.2	36.1	34.9	33.5	32.1	30.5	28.9	**DX3-020**
	48.8	49.0	48.9	48.4	47.5	46.4	45.1	43.6	41.9	40.1	38.1	36.0	**DX3-025**
55	16.6	16.9	17.0	17.0	16.8	16.6	16.2	15.8	15.3	14.8	14.3	13.6	**DX3-008**
	20.8	21.2	21.3	21.2	21.0	20.7	20.3	19.8	19.2	18.6	17.9	17.1	**DX3-010**
	25.0	25.4	25.5	25.4	25.2	24.9	24.4	23.8	23.0	22.3	21.4	20.5	**DX3-012**
	31.2	31.7	31.9	31.8	31.5	31.1	30.5	29.7	28.8	27.8	26.7	25.6	**DX3-015**
	41.6	42.3	42.5	42.5	42.1	41.5	40.6	39.6	38.4	37.1	35.7	34.2	**DX3-020**
	52.0	52.9	53.2	53.1	52.6	51.8	50.8	49.5	48.0	46.4	44.6	42.7	**DX3-025**
50	18.0	18.4	18.6	18.7	18.6	18.5	18.2	17.8	17.4	16.9	16.4	15.8	**DX3-008**
	22.6	23.0	23.3	23.4	23.3	23.1	22.8	22.3	21.8	21.2	20.5	19.8	**DX3-010**
	27.0	27.6	28.0	28.1	28.0	27.7	27.3	26.8	26.1	25.4	24.6	23.8	**DX3-012**
	33.8	34.6	35.0	35.1	35.0	34.7	34.2	33.5	32.7	31.8	30.8	29.7	**DX3-015**
	45.1	46.1	46.7	46.8	46.7	46.3	45.6	44.7	43.6	42.4	41.1	39.6	**DX3-020**
	56.4	57.6	58.3	58.5	58.3	57.8	57.0	55.9	54.5	53.0	51.3	49.5	**DX3-025**
45	16.9	17.7	18.2	18.4	18.6	18.5	18.4	18.2	17.9	17.5	17.1	16.6	**DX3-008**
	21.2	22.1	22.7	23.1	23.3	23.2	23.1	22.8	22.4	21.9	21.4	20.8	**DX3-010**
	25.4	26.5	27.2	27.7	27.9	27.9	27.7	27.3	26.9	26.3	25.7	24.9	**DX3-012**
	31.8	33.1	34.0	34.6	34.8	34.8	34.6	34.2	33.6	32.9	32.1	31.1	**DX3-015**
	42.4	44.2	45.4	46.1	46.5	46.4	46.1	45.6	44.8	43.9	42.8	41.6	**DX3-020**
	53.0	55.2	56.7	57.7	58.1	58.1	57.7	57.0	56.0	54.8	53.5	51.9	**DX3-025**
40	16.2	17.2	18.0	18.5	18.8	19.0	19.0	18.8	18.6	18.3	18.0	17.6	**DX3-008**
	20.3	21.6	22.6	23.2	23.5	23.7	23.7	23.6	23.3	23.0	22.5	22.0	**DX3-010**
	24.4	25.9	27.0	27.8	28.2	28.4	28.4	28.3	28.0	27.5	27.0	26.4	**DX3-012**
	30.5	32.4	33.8	34.7	35.3	35.6	35.6	35.4	35.0	34.4	33.7	33.0	**DX3-015**
	40.7	43.3	45.1	46.3	47.1	47.4	47.4	47.2	46.7	45.9	45.0	43.9	**DX3-020**
	50.8	54.1	56.4	57.9	58.9	59.3	59.3	59.0	58.3	57.4	56.3	54.9	**DX3-025**
35	14.9	16.3	17.4	18.2	18.6	19.0	19.1	19.1	19.0	18.8	18.5	18.2	**DX3-008**
	18.7	20.5	21.8	22.7	23.4	23.7	24.0	24.0	23.8	23.6	23.2	22.8	**DX3-010**
	22.4	24.6	26.1	27.3	28.0	28.5	28.7	28.7	28.6	28.3	27.9	27.3	**DX3-012**
	28.0	30.7	32.7	34.1	35.0	35.6	35.9	35.9	35.7	35.3	34.8	34.2	**DX3-015**
	37.3	40.9	43.6	45.5	46.7	47.5	47.9	47.9	47.7	47.2	46.4	45.6	**DX3-020**
	46.7	51.2	54.5	56.8	58.4	59.4	59.8	59.9	59.6	58.9	58.1	57.0	**DX3-025**

Condensing Temperature (°C)	R404A			Extended Capacity (kW) Evaporating Temperature (°C)									Valve Type
	15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	
30	12.8	14.8	16.3	17.4	18.1	18.6	19.0	19.1	19.1	19.0	18.8	18.6	**DX3-008**
	16.0	18.6	20.4	21.7	22.7	23.3	23.7	23.9	24.0	23.8	23.6	23.3	**DX3-010**
	19.2	22.3	24.5	26.1	27.2	28.0	28.4	28.7	28.7	28.6	28.3	27.9	**DX3-012**
	24.0	27.8	30.6	32.6	34.0	35.0	35.5	35.8	35.9	35.7	35.4	34.9	**DX3-015**
	32.0	37.1	40.8	43.5	45.4	46.7	47.4	47.8	47.9	47.6	47.2	46.5	**DX3-020**
	40.0	46.4	51.0	54.3	56.7	58.3	59.3	59.8	59.8	59.5	58.9	58.1	**DX3-025**
25	9.3	12.5	14.6	16.1	17.1	17.9	18.4	18.7	18.9	18.9	18.8	18.6	**DX3-008**
	11.7	15.6	18.3	20.1	21.5	22.4	23.1	23.5	23.7	23.7	23.6	23.4	**DX3-010**
	14.0	18.7	21.9	24.2	25.8	26.9	27.7	28.1	28.4	28.4	28.3	28.0	**DX3-012**
	17.5	23.5	27.4	30.2	32.2	33.6	34.6	35.2	35.5	35.5	35.4	35.0	**DX3-015**
	23.4	31.3	36.5	40.3	42.9	44.8	46.1	46.9	47.3	47.4	47.2	46.7	**DX3-020**
	29.2	39.1	45.7	50.4	53.7	56.1	57.7	58.7	59.1	59.2	59.0	58.4	**DX3-025**
20		8.8	12.1	14.2	15.7	16.8	17.6	18.0	18.4	18.5	18.6	18.5	**DX3-008**
		11.0	15.1	17.8	19.7	21.0	22.0	22.6	23.0	23.2	23.3	23.2	**DX3-010**
		13.2	18.1	21.3	23.6	25.2	26.4	27.1	27.6	27.9	27.9	27.8	**DX3-012**
		16.5	22.7	26.7	29.5	31.5	33.0	33.9	34.5	34.8	34.9	34.7	**DX3-015**
		22.0	30.2	35.6	39.4	42.1	43.9	45.2	46.0	46.4	46.5	46.3	**DX3-020**
		27.5	37.8	44.5	49.2	52.6	54.9	56.5	57.6	58.1	58.1	57.9	**DX3-025**
15			8.1	11.5	13.7	15.2	16.3	17.0	17.6	17.9	18.0	18.0	**DX3-008**
			10.1	14.4	17.2	19.0	20.4	21.4	22.0	22.4	22.6	22.6	**DX3-010**
			12.1	17.3	20.6	22.8	24.5	25.6	26.4	26.9	27.1	27.1	**DX3-012**
			15.1	21.6	25.7	28.6	30.6	32.0	33.0	33.6	33.9	33.9	**DX3-015**
			20.2	28.8	34.3	38.1	40.8	42.7	44.0	44.8	45.2	45.2	**DX3-020**
			25.3	36.0	42.9	47.6	51.0	53.4	55.0	56.0	56.5	56.6	**DX3-025**
10				7.2	10.8	13.0	14.6	15.6	16.4	16.9	17.2	17.4	**DX3-008**
				8.9	13.5	16.3	18.2	19.6	20.5	21.2	21.6	21.8	**DX3-010**
				10.7	16.2	19.6	21.9	23.5	24.6	25.4	25.9	26.1	**DX3-012**
				13.4	20.3	24.5	27.3	29.4	30.8	31.7	32.4	32.7	**DX3-015**
				17.9	27.0	32.6	36.5	39.2	41.1	42.4	43.2	43.5	**DX3-020**
				22.4	33.8	40.8	45.6	49.0	51.3	52.9	53.9	54.5	**DX3-025**

Condensing Temperature (°C)	R507A			Extended Capacity (kW)									Valve Type
				Evaporating Temperature (°C)									
	15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	
60	15.0	15.1	15.0	14.8	14.5	14.2	13.8	13.2	12.7	12.1	11.5	10.8	**DX3-008**
	18.7	18.8	18.7	18.5	18.2	17.7	17.2	16.6	15.9	15.2	14.4	13.6	**DX3-010**
	22.5	22.6	22.5	22.2	21.8	21.3	20.6	19.9	19.1	18.2	17.3	16.3	**DX3-012**
	28.1	28.2	28.1	27.7	27.2	26.6	25.8	24.9	23.8	22.7	21.5	20.3	**DX3-015**
	37.4	37.6	37.4	37.0	36.3	35.4	34.4	33.1	31.8	30.3	28.7	27.1	**DX3-020**
	46.8	47.0	46.8	46.3	45.4	44.3	42.9	41.4	39.7	37.9	35.9	33.9	**DX3-025**
55	16.1	16.4	16.5	16.4	16.3	16.0	15.7	15.3	14.8	14.3	13.7	13.1	**DX3-008**
	20.2	20.5	20.6	20.5	20.3	20.0	19.6	19.1	18.5	17.8	17.1	16.3	**DX3-010**
	24.2	24.6	24.7	24.7	24.4	24.0	23.5	22.9	22.2	21.4	20.5	19.6	**DX3-012**
	30.2	30.7	30.9	30.8	30.5	30.0	29.4	28.6	27.7	26.7	25.7	24.5	**DX3-015**
	40.3	40.9	41.1	41.0	40.6	40.0	39.2	38.1	37.0	35.6	34.2	32.7	**DX3-020**
	50.4	51.2	51.4	51.3	50.8	50.0	49.0	47.7	46.2	44.6	42.8	40.9	**DX3-025**
50	16.7	17.1	17.3	17.5	17.5	17.3	17.1	16.8	16.3	15.9	15.4	14.8	**DX3-008**
	20.8	21.4	21.7	21.9	21.8	21.7	21.4	21.0	20.5	19.9	19.2	18.6	**DX3-010**
	25.0	25.7	26.1	26.2	26.2	26.0	25.6	25.1	24.5	23.9	23.1	22.2	**DX3-012**
	31.2	32.1	32.6	32.8	32.7	32.4	32.0	31.4	30.6	29.8	28.8	27.8	**DX3-015**
	41.6	42.8	43.4	43.7	43.6	43.3	42.6	41.9	40.8	39.7	38.4	37.1	**DX3-020**
	52.0	53.5	54.3	54.6	54.5	54.1	53.3	52.3	51.1	49.6	48.1	46.3	**DX3-025**
45	16.6	17.3	17.8	18.0	18.2	18.2	18.0	17.8	17.5	17.1	16.7	16.2	**DX3-008**
	20.8	21.7	22.2	22.6	22.7	22.7	22.6	22.3	21.9	21.4	20.9	20.3	**DX3-010**
	24.9	26.0	26.7	27.1	27.3	27.3	27.1	26.7	26.2	25.7	25.0	24.3	**DX3-012**
	31.1	32.4	33.3	33.9	34.1	34.0	33.8	33.4	32.8	32.1	31.3	30.3	**DX3-015**
	41.5	43.3	44.4	45.1	45.4	45.4	45.1	44.5	43.7	42.8	41.7	40.4	**DX3-020**
	51.9	54.1	55.5	56.4	56.8	56.7	56.3	55.6	54.7	53.5	52.1	50.6	**DX3-025**
40	16.0	17.0	17.7	18.2	18.5	18.6	18.6	18.5	18.3	18.0	17.6	17.2	**DX3-008**
	20.0	21.2	22.2	22.8	23.1	23.3	23.3	23.1	22.9	22.5	22.0	21.5	**DX3-010**
	24.0	25.5	26.6	27.3	27.7	27.9	27.9	27.7	27.4	27.0	26.4	25.8	**DX3-012**
	29.9	31.8	33.2	34.1	34.6	34.9	34.9	34.7	34.3	33.7	33.0	32.2	**DX3-015**
	39.9	42.5	44.2	45.5	46.2	46.5	46.5	46.2	45.7	45.0	44.0	43.0	**DX3-020**
	49.9	53.1	55.3	56.8	57.8	58.2	58.1	57.8	57.1	56.2	55.0	53.7	**DX3-025**
35	14.7	16.1	17.2	17.9	18.4	18.7	18.8	18.8	18.7	18.5	18.3	17.9	**DX3-008**
	18.4	20.2	21.5	22.4	23.0	23.4	23.6	23.6	23.4	23.2	22.8	22.4	**DX3-010**
	22.1	24.2	25.8	26.9	27.6	28.0	28.3	28.3	28.1	27.8	27.4	26.9	**DX3-012**
	27.6	30.2	32.2	33.6	34.5	35.0	35.3	35.3	35.1	34.7	34.2	33.5	**DX3-015**
	36.8	40.3	42.9	44.7	46.0	46.7	47.0	47.1	46.8	46.3	45.6	44.7	**DX3-020**
	46.0	50.4	53.6	55.9	57.5	58.4	58.8	58.8	58.5	57.9	57.0	55.9	**DX3-025**

Condensing Temperature (°C)	R507A			Extended Capacity (kW) Evaporating Temperature (°C)									Valve Type
	15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	
30	12.7	14.7	16.1	17.2	17.9	18.4	18.7	18.8	18.8	18.8	18.6	18.3	**DX3-008**
	15.9	18.4	20.2	21.5	22.4	23.0	23.4	23.6	23.6	23.5	23.2	22.9	**DX3-010**
	19.0	22.0	24.2	25.8	26.9	27.6	28.1	28.3	28.3	28.2	27.9	27.5	**DX3-012**
	23.7	27.5	30.2	32.2	33.6	34.5	35.1	35.3	35.4	35.2	34.8	34.3	**DX3-015**
	31.6	36.7	40.3	42.9	44.7	46.0	46.8	47.1	47.1	46.9	46.4	45.7	**DX3-020**
	39.6	45.9	50.4	53.6	55.9	57.5	58.5	58.9	59.0	58.6	58.0	57.2	**DX3-025**
25	9.3	12.4	14.5	16.0	17.0	17.7	18.3	18.5	18.7	18.7	18.6	18.4	**DX3-008**
	11.7	15.5	18.1	19.9	21.2	22.2	22.8	23.2	23.4	23.4	23.3	23.1	**DX3-010**
	14.0	18.6	21.7	23.9	25.5	26.6	27.4	27.8	28.0	28.1	28.0	27.7	**DX3-012**
	17.5	23.3	27.1	29.9	31.8	33.3	34.2	34.8	35.0	35.1	34.9	34.5	**DX3-015**
	23.3	31.0	36.2	39.8	42.5	44.3	45.6	46.4	46.7	46.8	46.5	46.1	**DX3-020**
	29.1	38.8	45.2	49.8	53.1	55.4	57.0	57.9	58.4	58.5	58.2	57.6	**DX3-025**
20		8.8	12.0	14.1	15.6	16.7	17.4	17.9	18.2	18.4	18.4	18.3	**DX3-008**
		11.0	15.0	17.7	19.5	20.8	21.8	22.4	22.8	23.0	23.0	22.9	**DX3-010**
		13.2	18.1	21.2	23.4	25.0	26.1	26.9	27.3	27.6	27.6	27.5	**DX3-012**
		16.5	22.5	26.5	29.3	31.2	32.6	33.6	34.2	34.4	34.5	34.3	**DX3-015**
		22.0	30.0	35.3	39.0	41.6	43.5	44.8	45.5	45.9	46.0	45.7	**DX3-020**
		27.5	37.6	44.1	48.8	52.1	54.4	56.0	56.9	57.4	57.5	57.2	**DX3-025**
15			8.1	11.5	13.7	15.2	16.2	16.9	17.5	17.8	17.9	17.9	**DX3-008**
			10.2	14.4	17.0	18.9	20.3	21.2	21.8	22.2	22.4	22.4	**DX3-010**
			12.2	17.3	20.5	22.7	24.3	25.4	26.2	26.6	26.9	26.9	**DX3-012**
			15.2	21.5	25.6	28.3	30.4	31.8	32.7	33.3	33.6	33.6	**DX3-015**
			20.3	28.7	34.1	37.8	40.4	42.3	43.6	44.3	44.7	44.8	**DX3-020**
			25.4	35.9	42.6	47.3	50.6	52.9	54.5	55.5	55.9	56.0	**DX3-025**
10				7.3	10.8	13.0	14.5	15.6	16.3	16.8	17.1	17.3	**DX3-008**
				9.1	13.5	16.3	18.2	19.5	20.4	21.0	21.4	21.6	**DX3-010**
				10.9	16.3	19.5	21.8	23.4	24.5	25.2	25.7	25.9	**DX3-012**
				13.6	20.3	24.4	27.2	29.2	30.6	31.5	32.1	32.4	**DX3-015**
				18.2	27.1	32.5	36.3	38.9	40.8	42.0	42.8	43.2	**DX3-020**
				22.7	33.8	40.7	45.4	48.7	51.0	52.6	53.5	54.0	**DX3-025**

Condensing Temperature (°C)	R449A			Extended Capacity (kW) Evaporating Temperature (°C)									Valve Type
	15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	
60	24.3	24.5	24.6	24.6	24.4	24.2	23.8	23.4	22.9	22.3	21.7	21.0	**DX3-008**
	30.3	30.6	30.8	30.7	30.5	30.2	29.7	29.2	28.6	27.8	27.1	26.2	**DX3-010**
	36.4	36.8	36.9	36.9	36.7	36.2	35.7	35.1	34.3	33.4	32.5	31.5	**DX3-012**
	45.5	46.0	46.2	46.1	45.8	45.3	44.6	43.8	42.9	41.8	40.6	39.4	**DX3-015**
	60.6	61.3	61.6	61.5	61.1	60.4	59.5	58.5	57.2	55.7	54.2	52.5	**DX3-020**
	75.8	76.6	76.9	76.8	76.3	75.5	74.4	73.0	71.4	69.6	67.7	65.6	**DX3-025**
55	24.9	25.3	25.6	25.7	25.7	25.5	25.3	24.9	24.5	23.9	23.4	22.8	**DX3-008**
	31.0	31.6	31.9	32.1	32.1	31.9	31.5	31.1	30.5	29.9	29.2	28.4	**DX3-010**
	37.3	38.0	38.4	38.5	38.5	38.2	37.8	37.3	36.7	35.9	35.1	34.1	**DX3-012**
	46.6	47.5	48.0	48.2	48.1	47.8	47.3	46.6	45.8	44.9	43.8	42.7	**DX3-015**
	62.2	63.3	64.0	64.2	64.1	63.7	63.1	62.2	61.1	59.8	58.4	56.9	**DX3-020**
	77.7	79.1	79.9	80.2	80.1	79.7	78.8	77.7	76.4	74.8	73.0	71.1	**DX3-025**
50	24.9	25.6	26.0	26.3	26.4	26.4	26.2	25.9	25.6	25.2	24.6	24.1	**DX3-008**
	31.1	31.9	32.5	32.8	33.0	32.9	32.7	32.4	31.9	31.4	30.8	30.1	**DX3-010**
	37.4	38.4	39.1	39.4	39.6	39.5	39.3	38.9	38.4	37.7	37.0	36.1	**DX3-012**
	46.7	47.9	48.8	49.3	49.5	49.4	49.1	48.6	47.9	47.1	46.2	45.2	**DX3-015**
	62.3	63.9	65.1	65.7	66.0	65.9	65.5	64.8	63.9	62.8	61.6	60.2	**DX3-020**
	77.8	79.9	81.3	82.1	82.4	82.3	81.8	81.0	79.9	78.5	77.0	75.3	**DX3-025**
45	24.4	25.3	26.0	26.4	26.7	26.8	26.7	26.6	26.3	25.9	25.5	25.0	**DX3-008**
	30.5	31.7	32.5	33.0	33.3	33.4	33.4	33.2	32.9	32.4	31.9	31.3	**DX3-010**
	36.6	38.0	39.0	39.7	40.0	40.2	40.1	39.9	39.4	38.9	38.3	37.5	**DX3-012**
	45.8	47.5	48.7	49.6	50.0	50.2	50.1	49.8	49.3	48.7	47.9	46.9	**DX3-015**
	61.0	63.3	65.0	66.1	66.7	66.9	66.8	66.4	65.8	64.9	63.8	62.6	**DX3-020**
	76.3	79.2	81.2	82.6	83.3	83.7	83.5	83.0	82.2	81.1	79.8	78.2	**DX3-025**
40	23.4	24.6	25.5	26.2	26.6	26.8	26.9	26.8	26.7	26.4	26.0	25.6	**DX3-008**
	29.2	30.7	31.9	32.7	33.2	33.5	33.6	33.5	33.3	33.0	32.6	32.0	**DX3-010**
	35.0	36.9	38.2	39.2	39.9	40.2	40.4	40.3	40.0	39.6	39.1	38.5	**DX3-012**
	43.8	46.1	47.8	49.0	49.8	50.3	50.4	50.3	50.0	49.5	48.9	48.1	**DX3-015**
	58.4	61.5	63.7	65.4	66.4	67.0	67.3	67.1	66.7	66.0	65.2	64.1	**DX3-020**
	73.0	76.8	79.7	81.7	83.0	83.8	84.0	83.9	83.3	82.5	81.5	80.1	**DX3-025**
35	21.7	23.3	24.5	25.4	26.0	26.5	26.7	26.8	26.7	26.6	26.3	25.9	**DX3-008**
	27.1	29.1	30.6	31.8	32.6	33.1	33.4	33.4	33.4	33.2	32.8	32.4	**DX3-010**
	32.6	35.0	36.8	38.2	39.1	39.7	40.1	40.2	40.1	39.8	39.4	38.9	**DX3-012**
	40.7	43.7	46.0	47.7	48.9	49.6	50.1	50.2	50.1	49.8	49.3	48.6	**DX3-015**
	54.3	58.3	61.3	63.6	65.2	66.2	66.8	67.0	66.8	66.4	65.7	64.9	**DX3-020**
	67.8	72.9	76.7	79.5	81.4	82.7	83.4	83.7	83.5	83.0	82.2	81.1	**DX3-025**

Condensing Temperature (°C)	R449A			Extended Capacity (kW) Evaporating Temperature (°C)									Valve Type
	15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	
30	19.4	21.5	23.1	24.3	25.2	25.8	26.2	26.4	26.5	26.4	26.2	25.9	**DX3-008**
	24.1	26.9	28.9	30.4	31.4	32.2	32.7	33.0	33.0	33.0	32.8	32.4	**DX3-010**
	29.0	32.2	34.6	36.4	37.8	38.7	39.3	39.6	39.7	39.6	39.3	38.9	**DX3-012**
	36.3	40.3	43.3	45.5	47.2	48.3	49.0	49.5	49.6	49.5	49.1	48.7	**DX3-015**
	48.3	53.7	57.7	60.7	62.9	64.4	65.4	66.0	66.1	66.0	65.5	64.9	**DX3-020**
	60.4	67.1	72.2	75.9	78.6	80.5	81.8	82.4	82.6	82.4	81.9	81.1	**DX3-025**
25	16.0	18.9	21.1	22.7	23.8	24.7	25.3	25.7	25.9	25.9	25.8	25.7	**DX3-008**
	20.0	23.7	26.3	28.3	29.8	30.8	31.6	32.1	32.3	32.4	32.3	32.1	**DX3-010**
	24.0	28.4	31.7	34.0	35.8	37.1	37.9	38.5	38.8	38.9	38.8	38.5	**DX3-012**
	29.9	35.5	39.6	42.5	44.7	46.3	47.4	48.1	48.5	48.6	48.5	48.2	**DX3-015**
	39.9	47.4	52.7	56.7	59.6	61.7	63.2	64.2	64.7	64.8	64.7	64.2	**DX3-020**
	49.9	59.2	65.9	70.8	74.5	77.2	79.0	80.2	80.8	81.0	80.8	80.2	**DX3-025**
20	10.9	15.5	18.4	20.5	22.1	23.3	24.0	24.6	25.0	25.2	25.2	25.2	**DX3-008**
	13.5	19.3	23.0	25.6	27.6	29.0	30.0	30.8	31.2	31.5	31.5	31.4	**DX3-010**
	16.3	23.1	27.6	30.8	33.1	34.9	36.1	36.9	37.5	37.8	37.8	37.7	**DX3-012**
	20.3	28.9	34.5	38.5	41.4	43.5	45.1	46.2	46.8	47.2	47.3	47.1	**DX3-015**
	27.1	38.5	46.0	51.3	55.2	58.1	60.1	61.6	62.5	62.9	63.0	62.9	**DX3-020**
	33.9	48.2	57.5	64.1	69.0	72.6	75.2	76.9	78.1	78.7	78.8	78.6	**DX3-025**
15		10.0	14.7	17.7	19.8	21.3	22.5	23.3	23.8	24.2	24.3	24.4	**DX3-008**
		12.5	18.4	22.1	24.7	26.7	28.0	29.1	29.7	30.2	30.4	30.4	**DX3-010**
		15.0	22.1	26.5	29.7	32.0	33.7	34.9	35.7	36.2	36.5	36.5	**DX3-012**
		18.7	27.6	33.2	37.1	40.0	42.1	43.6	44.6	45.2	45.6	45.6	**DX3-015**
		25.0	36.8	44.2	49.5	53.3	56.1	58.1	59.5	60.3	60.8	60.9	**DX3-020**
		31.2	45.9	55.2	61.8	66.6	70.1	72.6	74.4	75.4	76.0	76.1	**DX3-025**
10			8.9	13.8	16.8	18.9	20.4	21.5	22.3	22.8	23.1	23.3	**DX3-008**
			11.1	17.2	21.0	23.6	25.5	26.9	27.8	28.5	28.9	29.1	**DX3-010**
			13.4	20.7	25.2	28.4	30.6	32.3	33.4	34.2	34.7	34.9	**DX3-012**
			16.7	25.9	31.5	35.4	38.3	40.3	41.8	42.7	43.4	43.7	**DX3-015**
			22.3	34.5	42.0	47.2	51.0	53.8	55.7	57.0	57.8	58.2	**DX3-020**
			27.8	43.1	52.5	59.0	63.8	67.2	69.6	71.2	72.3	72.7	**DX3-025**

Condensing Temperature (°C)	R448A			Extended Capacity (kW) Evaporating Temperature (°C)									Valve Type
	15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	
60	24.8	25.1	25.2	25.2	25.0	24.8	24.4	24.0	23.4	22.9	22.3	21.6	**DX3-008**
	30.9	31.3	31.4	31.4	31.2	30.9	30.5	29.9	29.3	28.6	27.8	26.9	**DX3-010**
	37.1	37.6	37.7	37.7	37.5	37.1	36.5	35.9	35.1	34.3	33.4	32.3	**DX3-012**
	46.5	47.0	47.2	47.1	46.9	46.4	45.7	44.9	43.9	42.9	41.7	40.4	**DX3-015**
	61.9	62.6	62.9	62.8	62.4	61.8	60.9	59.8	58.6	57.1	55.6	53.9	**DX3-020**
	77.4	78.3	78.6	78.6	78.1	77.3	76.2	74.8	73.2	71.4	69.5	67.4	**DX3-025**
55	25.4	25.9	26.2	26.3	26.2	26.1	25.9	25.5	25.1	24.5	24.0	23.4	**DX3-008**
	31.7	32.3	32.6	32.8	32.8	32.6	32.2	31.8	31.3	30.6	29.9	29.2	**DX3-010**
	38.1	38.8	39.2	39.4	39.3	39.1	38.7	38.2	37.5	36.8	35.9	35.0	**DX3-012**
	47.6	48.5	49.0	49.2	49.1	48.9	48.4	47.7	46.9	46.0	44.9	43.8	**DX3-015**
	63.4	64.6	65.3	65.6	65.5	65.1	64.5	63.6	62.5	61.3	59.9	58.3	**DX3-020**
	79.4	80.8	81.6	82.0	81.9	81.4	80.6	79.5	78.2	76.6	74.8	72.9	**DX3-025**
50	25.4	26.1	26.6	26.9	27.0	27.0	26.8	26.5	26.2	25.7	25.3	24.7	**DX3-008**
	31.8	32.6	33.2	33.5	33.7	33.6	33.4	33.1	32.7	32.1	31.5	30.8	**DX3-010**
	38.1	39.2	39.8	40.2	40.4	40.4	40.1	39.7	39.2	38.6	37.8	37.0	**DX3-012**
	47.7	49.0	49.8	50.3	50.5	50.5	50.2	49.7	49.0	48.2	47.3	46.3	**DX3-015**
	63.5	65.2	66.4	67.1	67.3	67.3	66.9	66.2	65.4	64.3	63.1	61.7	**DX3-020**
	79.5	81.6	83.0	83.9	84.2	84.1	83.6	82.8	81.7	80.4	78.8	77.1	**DX3-025**
45	25.0	25.9	26.5	27.0	27.3	27.4	27.3	27.2	26.9	26.5	26.1	25.6	**DX3-008**
	31.1	32.3	33.1	33.7	34.0	34.1	34.1	33.9	33.6	33.2	32.6	32.0	**DX3-010**
	37.4	38.8	39.8	40.4	40.8	41.0	40.9	40.7	40.3	39.8	39.2	38.4	**DX3-012**
	46.7	48.5	49.7	50.6	51.1	51.3	51.2	50.9	50.4	49.8	49.0	48.0	**DX3-015**
	62.3	64.6	66.3	67.4	68.1	68.3	68.2	67.8	67.2	66.3	65.2	64.0	**DX3-020**
	77.9	80.8	82.9	84.3	85.1	85.4	85.3	84.8	84.0	82.9	81.6	80.0	**DX3-025**
40	23.9	25.1	26.1	26.7	27.2	27.4	27.5	27.4	27.3	27.0	26.7	26.3	**DX3-008**
	29.8	31.3	32.5	33.3	33.9	34.2	34.3	34.3	34.1	33.7	33.3	32.8	**DX3-010**
	35.8	37.7	39.0	40.0	40.7	41.0	41.2	41.1	40.9	40.5	40.0	39.3	**DX3-012**
	44.7	47.1	48.8	50.0	50.9	51.3	51.5	51.4	51.1	50.6	50.0	49.2	**DX3-015**
	59.6	62.7	65.0	66.7	67.8	68.4	68.7	68.5	68.1	67.4	66.6	65.5	**DX3-020**
	74.6	78.4	81.3	83.4	84.8	85.5	85.8	85.7	85.2	84.3	83.3	82.0	**DX3-025**
35	22.2	23.9	25.1	26.0	26.6	27.1	27.3	27.4	27.3	27.2	26.9	26.5	**DX3-008**
	27.7	29.8	31.3	32.4	33.2	33.8	34.1	34.1	34.1	33.9	33.6	33.1	**DX3-010**
	33.3	35.7	37.6	38.9	39.9	40.5	40.9	41.0	40.9	40.7	40.3	39.8	**DX3-012**
	41.6	44.7	47.0	48.7	49.9	50.7	51.1	51.3	51.2	50.9	50.4	49.7	**DX3-015**
	55.5	59.5	62.6	64.9	66.5	67.6	68.1	68.3	68.2	67.8	67.1	66.3	**DX3-020**
	69.4	74.5	78.3	81.1	83.1	84.5	85.2	85.4	85.3	84.8	83.9	82.9	**DX3-025**

Condensing Temperature (°C)	R448A			Extended Capacity (kW) Evaporating Temperature (°C)									Valve Type
	15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	
30	19.8	22.0	23.6	24.9	25.7	26.3	26.7	27.0	27.0	27.0	26.8	26.5	**DX3-008**
	24.8	27.5	29.5	31.0	32.1	32.9	33.4	33.7	33.7	33.7	33.4	33.1	**DX3-010**
	29.7	33.0	35.4	37.2	38.5	39.5	40.1	40.4	40.5	40.4	40.1	39.8	**DX3-012**
	37.1	41.2	44.3	46.5	48.2	49.3	50.1	50.5	50.6	50.5	50.2	49.7	**DX3-015**
	49.5	54.9	59.0	62.0	64.2	65.7	66.8	67.3	67.5	67.3	66.9	66.2	**DX3-020**
	61.9	68.7	73.7	77.5	80.3	82.2	83.5	84.2	84.4	84.2	83.7	82.9	**DX3-025**
25	16.4	19.4	21.6	23.2	24.4	25.2	25.9	26.2	26.4	26.5	26.4	26.3	**DX3-008**
	20.5	24.3	26.9	29.0	30.4	31.5	32.2	32.7	33.0	33.0	33.0	32.8	**DX3-010**
	24.7	29.1	32.4	34.7	36.5	37.8	38.7	39.3	39.6	39.7	39.6	39.3	**DX3-012**
	30.8	36.4	40.5	43.5	45.7	47.3	48.4	49.1	49.5	49.6	49.5	49.2	**DX3-015**
	41.1	48.6	53.9	57.9	60.9	63.0	64.5	65.5	66.0	66.1	66.0	65.5	**DX3-020**
	51.4	60.7	67.4	72.4	76.1	78.8	80.7	81.9	82.5	82.7	82.5	82.0	**DX3-025**
20	11.4	15.9	18.9	21.0	22.6	23.8	24.6	25.2	25.5	25.7	25.7	25.7	**DX3-008**
	14.2	19.9	23.6	26.2	28.2	29.6	30.7	31.4	31.9	32.1	32.2	32.1	**DX3-010**
	17.0	23.8	28.3	31.5	33.8	35.6	36.8	37.7	38.2	38.5	38.6	38.5	**DX3-012**
	21.3	29.8	35.4	39.4	42.3	44.5	46.1	47.1	47.8	48.2	48.3	48.1	**DX3-015**
	28.4	39.7	47.2	52.5	56.4	59.3	61.4	62.8	63.7	64.2	64.3	64.1	**DX3-020**
	35.5	49.7	58.9	65.6	70.5	74.1	76.7	78.6	79.7	80.3	80.4	80.2	**DX3-025**
15		10.6	15.2	18.2	20.3	21.8	23.0	23.8	24.3	24.6	24.9	24.9	**DX3-008**
		13.1	19.0	22.7	25.3	27.2	28.6	29.6	30.3	30.8	31.0	31.0	**DX3-010**
		15.8	22.8	27.2	30.4	32.7	34.4	35.6	36.4	36.9	37.2	37.3	**DX3-012**
		19.8	28.4	34.0	38.0	40.9	43.0	44.5	45.5	46.2	46.5	46.6	**DX3-015**
		26.3	37.9	45.4	50.6	54.5	57.3	59.3	60.7	61.6	62.0	62.1	**DX3-020**
		32.9	47.4	56.7	63.3	68.1	71.6	74.2	75.9	77.0	77.5	77.7	**DX3-025**
10			9.5	14.3	17.3	19.4	20.9	22.0	22.8	23.3	23.6	23.8	**DX3-008**
			11.8	17.8	21.6	24.2	26.1	27.5	28.4	29.1	29.5	29.7	**DX3-010**
			14.2	21.4	25.9	29.0	31.3	32.9	34.1	34.9	35.4	35.6	**DX3-012**
			17.7	26.8	32.4	36.3	39.1	41.2	42.7	43.6	44.3	44.6	**DX3-015**
			23.7	35.7	43.1	48.4	52.2	54.9	56.8	58.2	59.0	59.4	**DX3-020**
			29.6	44.6	54.0	60.5	65.2	68.7	71.1	72.7	73.8	74.3	**DX3-025**

Condensing Temperature (°C)	R450A			Extended Capacity (kW) Evaporating Temperature (°C)									Valve Type
	15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	
60	19.0	19.1	19.1	19.0	18.8	18.4	18.0	17.6	17.1	16.5	15.9	15.4	**DX3-008**
	23.7	23.9	23.9	23.7	23.4	23.0	22.5	21.9	21.3	20.6	19.9	19.1	**DX3-010**
	28.5	28.7	28.6	28.4	28.1	27.6	27.0	26.3	25.6	24.7	23.9	22.9	**DX3-012**
	35.7	35.9	35.8	35.5	35.1	34.5	33.7	32.9	32.0	30.9	29.8	28.7	**DX3-015**
	47.5	47.8	47.8	47.4	46.8	46.0	45.0	43.9	42.6	41.2	39.8	38.3	**DX3-020**
	59.5	59.8	59.7	59.3	58.5	57.5	56.3	54.8	53.3	51.5	49.7	47.8	**DX3-025**
55	18.7	19.0	19.1	19.1	18.9	18.7	18.4	18.0	17.6	17.1	16.6	16.0	**DX3-008**
	23.3	23.7	23.8	23.8	23.6	23.3	23.0	22.5	21.9	21.3	20.7	20.0	**DX3-010**
	28.0	28.4	28.6	28.6	28.4	28.0	27.6	27.0	26.3	25.6	24.8	24.0	**DX3-012**
	35.0	35.5	35.7	35.7	35.5	35.0	34.4	33.7	32.9	32.0	31.0	30.0	**DX3-015**
	46.7	47.4	47.7	47.6	47.3	46.7	46.0	45.0	43.9	42.7	41.4	40.0	**DX3-020**
	58.4	59.3	59.6	59.6	59.2	58.4	57.4	56.3	54.9	53.4	51.8	50.0	**DX3-025**
50	18.0	18.5	18.8	18.9	18.9	18.8	18.5	18.2	17.9	17.5	17.0	16.5	**DX3-008**
	22.4	23.0	23.4	23.5	23.5	23.4	23.1	22.7	22.3	21.8	21.2	20.6	**DX3-010**
	26.9	27.7	28.1	28.3	28.3	28.1	27.7	27.3	26.8	26.1	25.4	24.7	**DX3-012**
	33.7	34.6	35.1	35.3	35.3	35.1	34.7	34.1	33.5	32.7	31.8	30.9	**DX3-015**
	44.9	46.1	46.8	47.1	47.1	46.8	46.3	45.5	44.6	43.6	42.4	41.2	**DX3-020**
	56.2	57.7	58.6	58.9	58.9	58.5	57.8	56.9	55.8	54.5	53.0	51.5	**DX3-025**
45	16.9	17.6	18.1	18.4	18.5	18.5	18.4	18.2	17.9	17.6	17.2	16.7	**DX3-008**
	21.1	22.0	22.6	22.9	23.1	23.1	23.0	22.7	22.4	21.9	21.4	20.9	**DX3-010**
	25.3	26.4	27.1	27.5	27.7	27.7	27.6	27.2	26.8	26.3	25.7	25.1	**DX3-012**
	31.6	33.0	33.9	34.4	34.7	34.7	34.4	34.1	33.5	32.9	32.2	31.3	**DX3-015**
	42.2	44.0	45.2	45.9	46.2	46.2	46.0	45.4	44.7	43.9	42.9	41.8	**DX3-020**
	52.7	55.0	56.5	57.4	57.8	57.8	57.4	56.8	55.9	54.8	53.6	52.2	**DX3-025**
40	15.4	16.4	17.1	17.6	17.9	18.0	18.0	17.9	17.7	17.5	17.1	16.8	**DX3-008**
	19.1	20.4	21.3	22.0	22.3	22.5	22.5	22.4	22.1	21.8	21.4	20.9	**DX3-010**
	23.0	24.5	25.6	26.4	26.8	27.0	27.0	26.8	26.5	26.2	25.7	25.1	**DX3-012**
	28.7	30.7	32.0	33.0	33.5	33.8	33.8	33.6	33.2	32.7	32.1	31.4	**DX3-015**
	38.3	40.9	42.7	44.0	44.7	45.0	45.0	44.7	44.3	43.6	42.8	41.9	**DX3-020**
	47.9	51.2	53.4	55.0	55.9	56.3	56.3	56.0	55.4	54.5	53.5	52.3	**DX3-025**
35	13.2	14.7	15.8	16.5	17.0	17.3	17.4	17.4	17.4	17.1	16.9	16.6	**DX3-008**
	16.5	18.4	19.7	20.6	21.2	21.6	21.7	21.7	21.6	21.4	21.1	20.7	**DX3-010**
	19.8	22.0	23.6	24.7	25.4	25.9	26.1	26.1	25.9	25.7	25.3	24.8	**DX3-012**
	24.8	27.5	29.5	30.9	31.8	32.3	32.6	32.6	32.4	32.1	31.6	31.1	**DX3-015**
	33.0	36.7	39.4	41.2	42.4	43.1	43.5	43.5	43.3	42.8	42.2	41.4	**DX3-020**
	41.3	45.9	49.2	51.5	53.0	53.9	54.4	54.4	54.1	53.5	52.7	51.8	**DX3-025**

Condensing Temperature (°C)	R450A			Extended Capacity (kW) Evaporating Temperature (°C)									Valve Type
	15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	
30	10.2	12.5	13.9	15.0	15.8	16.2	16.5	16.7	16.7	16.6	16.5	16.2	**DX3-008**
	12.7	15.5	17.4	18.7	19.7	20.3	20.6	20.8	20.8	20.7	20.5	20.2	**DX3-010**
	15.3	18.6	20.9	22.5	23.6	24.3	24.7	25.0	25.0	24.9	24.6	24.3	**DX3-012**
	19.1	23.3	26.1	28.1	29.5	30.4	31.0	31.2	31.2	31.1	30.8	30.3	**DX3-015**
	25.5	31.1	34.9	37.5	39.3	40.5	41.3	41.6	41.7	41.4	41.0	40.5	**DX3-020**
	31.9	38.8	43.6	46.9	49.2	50.7	51.6	52.0	52.1	51.8	51.3	50.6	**DX3-025**
25	4.9	9.2	11.5	13.1	14.1	14.9	15.4	15.7	15.8	15.8	15.8	15.6	**DX3-008**
	6.2	11.4	14.4	16.3	17.6	18.6	19.2	19.5	19.7	19.7	19.7	19.5	**DX3-010**
	7.4	13.8	17.3	19.6	21.2	22.3	23.0	23.5	23.7	23.7	23.6	23.4	**DX3-012**
	9.3	17.2	21.6	24.5	26.5	27.8	28.8	29.3	29.6	29.6	29.5	29.2	**DX3-015**
	12.3	22.9	28.8	32.6	35.3	37.2	38.4	39.1	39.5	39.5	39.4	39.0	**DX3-020**
	15.4	28.7	36.0	40.8	44.2	46.4	48.0	48.9	49.4	49.4	49.2	48.7	**DX3-025**
20		2.5	7.9	10.5	12.0	13.1	13.9	14.4	14.7	14.8	14.9	14.8	**DX3-008**
		3.2	9.9	13.0	15.0	16.4	17.3	17.9	18.3	18.5	18.6	18.5	**DX3-010**
		3.8	11.9	15.6	18.0	19.7	20.8	21.5	22.0	22.2	22.2	22.2	**DX3-012**
		4.8	14.9	19.5	22.5	24.6	26.0	26.9	27.5	27.8	27.8	27.7	**DX3-015**
		6.3	19.9	26.1	30.1	32.8	34.6	35.9	36.7	37.0	37.1	37.0	**DX3-020**
		7.9	24.9	32.6	37.6	41.0	43.3	44.9	45.8	46.3	46.4	46.2	**DX3-025**
15				6.4	9.1	10.8	12.0	12.7	13.3	13.6	13.7	13.8	**DX3-008**
				8.0	11.4	13.5	14.9	15.9	16.5	16.9	17.1	17.2	**DX3-010**
				9.6	13.7	16.2	17.9	19.1	19.8	20.3	20.6	20.6	**DX3-012**
				12.0	17.2	20.3	22.4	23.9	24.8	25.4	25.7	25.8	**DX3-015**
				16.0	22.9	27.1	29.9	31.8	33.1	33.9	34.3	34.4	**DX3-020**
				20.0	28.6	33.9	37.4	39.8	41.4	42.3	42.9	43.0	**DX3-025**
10					4.3	7.6	9.5	10.7	11.5	12.0	12.3	12.5	**DX3-008**
					5.3	9.5	11.8	13.3	14.3	14.9	15.4	15.6	**DX3-010**
					6.4	11.4	14.2	15.9	17.1	17.9	18.4	18.7	**DX3-012**
					8.0	14.3	17.7	19.9	21.4	22.4	23.0	23.4	**DX3-015**
					10.6	19.0	23.6	26.6	28.6	29.9	30.7	31.2	**DX3-020**
					13.3	23.8	29.5	33.3	35.8	37.4	38.4	39.0	**DX3-025**

Condensing Temperature (°C)	R513A			Extended Capacity (kW) Evaporating Temperature (°C)									Valve Type
	15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	
60	17.1	17.2	17.1	16.9	16.6	16.3	15.9	15.4	14.9	14.3	13.7	13.0	**DX3-008**
	21.4	21.5	21.4	21.2	20.9	20.5	19.9	19.3	18.6	17.9	17.2	16.4	**DX3-010**
	25.7	25.8	25.7	25.4	25.0	24.5	23.9	23.1	22.3	21.5	20.6	19.6	**DX3-012**
	32.1	32.2	32.1	31.8	31.3	30.6	29.8	28.9	28.0	26.9	25.7	24.6	**DX3-015**
	42.8	43.0	42.8	42.4	41.7	40.8	39.8	38.6	37.3	35.8	34.3	32.8	**DX3-020**
	53.5	53.7	53.5	53.0	52.1	51.0	49.7	48.2	46.5	44.8	42.9	40.9	**DX3-025**
55	17.1	17.3	17.4	17.4	17.2	17.0	16.6	16.2	15.8	15.2	14.7	14.1	**DX3-008**
	21.4	21.8	21.8	21.8	21.6	21.3	20.8	20.3	19.8	19.1	18.4	17.7	**DX3-010**
	25.7	26.1	26.2	26.1	25.8	25.5	25.0	24.4	23.7	22.9	22.1	21.2	**DX3-012**
	32.1	32.6	32.7	32.6	32.3	31.9	31.2	30.5	29.6	28.7	27.6	26.5	**DX3-015**
	42.8	43.4	43.7	43.5	43.1	42.5	41.6	40.6	39.5	38.2	36.8	35.4	**DX3-020**
	53.5	54.3	54.5	54.4	53.9	53.1	52.0	50.8	49.3	47.8	46.0	44.2	**DX3-025**
50	16.7	17.2	17.4	17.5	17.4	17.3	17.1	16.8	16.4	15.9	15.4	14.9	**DX3-008**
	21.0	21.5	21.8	22.0	21.9	21.7	21.4	21.0	20.5	20.0	19.4	18.7	**DX3-010**
	25.1	25.8	26.1	26.3	26.2	26.0	25.7	25.2	24.6	24.0	23.2	22.4	**DX3-012**
	31.4	32.3	32.7	32.9	32.8	32.5	32.1	31.5	30.8	29.9	29.0	28.0	**DX3-015**
	41.9	43.0	43.6	43.9	43.8	43.4	42.8	42.0	41.0	39.9	38.7	37.4	**DX3-020**
	52.4	53.7	54.5	54.8	54.7	54.2	53.5	52.5	51.3	49.9	48.4	46.7	**DX3-025**
45	16.0	16.6	17.1	17.3	17.4	17.4	17.3	17.0	16.8	16.4	16.0	15.5	**DX3-008**
	20.0	20.9	21.4	21.8	21.9	21.8	21.7	21.4	21.0	20.5	20.0	19.4	**DX3-010**
	24.0	25.0	25.7	26.0	26.2	26.1	25.9	25.6	25.2	24.6	24.0	23.3	**DX3-012**
	30.0	31.2	32.1	32.6	32.8	32.7	32.5	32.0	31.5	30.8	30.0	29.1	**DX3-015**
	40.0	41.7	42.8	43.4	43.7	43.6	43.3	42.7	41.9	41.0	40.0	38.8	**DX3-020**
	49.9	52.1	53.4	54.3	54.6	54.5	54.1	53.4	52.4	51.3	49.9	48.5	**DX3-025**
40	14.7	15.7	16.4	16.9	17.1	17.2	17.2	17.1	16.9	16.5	16.2	15.8	**DX3-008**
	18.4	19.7	20.5	21.1	21.5	21.6	21.6	21.4	21.1	20.8	20.3	19.9	**DX3-010**
	22.1	23.6	24.6	25.3	25.7	25.9	25.8	25.6	25.3	24.9	24.4	23.8	**DX3-012**
	27.6	29.5	30.8	31.7	32.1	32.3	32.3	32.1	31.7	31.1	30.5	29.7	**DX3-015**
	36.9	39.4	41.1	42.2	42.9	43.2	43.1	42.8	42.3	41.5	40.7	39.7	**DX3-020**
	46.1	49.2	51.3	52.7	53.5	53.9	53.8	53.4	52.8	51.9	50.8	49.6	**DX3-025**
35	12.9	14.3	15.3	16.0	16.5	16.8	16.9	16.9	16.8	16.5	16.3	15.9	**DX3-008**
	16.2	18.0	19.2	20.1	20.7	21.0	21.1	21.1	21.0	20.7	20.4	20.0	**DX3-010**
	19.4	21.5	23.0	24.1	24.8	25.2	25.3	25.3	25.2	24.9	24.4	24.0	**DX3-012**
	24.3	26.9	28.8	30.1	31.0	31.5	31.7	31.7	31.5	31.1	30.6	29.9	**DX3-015**
	32.3	35.9	38.4	40.1	41.3	42.0	42.3	42.2	41.9	41.5	40.8	40.0	**DX3-020**
	40.4	44.8	48.0	50.1	51.6	52.4	52.8	52.7	52.4	51.8	50.9	49.9	**DX3-025**

Condensing Temperature (°C)	R513A			Extended Capacity (kW) Evaporating Temperature (°C)									Valve Type
	15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	
30	10.3	12.4	13.8	14.8	15.5	16.0	16.3	16.4	16.4	16.3	16.1	15.8	**DX3-008**
	12.9	15.5	17.3	18.6	19.5	20.1	20.4	20.5	20.5	20.4	20.2	19.9	**DX3-010**
	15.4	18.6	20.8	22.3	23.3	24.0	24.4	24.6	24.6	24.5	24.2	23.8	**DX3-012**
	19.3	23.2	26.0	27.9	29.2	30.0	30.6	30.8	30.8	30.6	30.2	29.8	**DX3-015**
	25.7	31.0	34.6	37.2	38.9	40.1	40.7	41.1	41.1	40.8	40.3	39.7	**DX3-020**
	32.1	38.7	43.2	46.4	48.6	50.0	50.9	51.3	51.3	51.0	50.4	49.6	**DX3-025**
25	5.8	9.5	11.7	13.2	14.2	14.9	15.4	15.7	15.8	15.8	15.7	15.5	**DX3-008**
	7.3	12.0	14.7	16.5	17.8	18.7	19.3	19.6	19.8	19.8	19.7	19.5	**DX3-010**
	8.7	14.3	17.6	19.8	21.3	22.4	23.1	23.5	23.7	23.7	23.6	23.3	**DX3-012**
	10.9	17.9	22.0	24.8	26.7	28.0	28.9	29.4	29.6	29.7	29.5	29.2	**DX3-015**
	14.5	23.9	29.4	33.0	35.6	37.4	38.5	39.2	39.5	39.6	39.3	38.9	**DX3-020**
	18.1	29.9	36.7	41.3	44.5	46.7	48.1	49.0	49.4	49.4	49.1	48.6	**DX3-025**
20		4.4	8.6	10.9	12.4	13.5	14.2	14.7	14.9	15.1	15.1	15.0	**DX3-008**
		5.6	10.9	13.7	15.6	16.9	17.8	18.4	18.7	18.9	18.9	18.8	**DX3-010**
		6.7	13.0	16.4	18.7	20.2	21.3	22.0	22.4	22.6	22.7	22.5	**DX3-012**
		8.3	16.3	20.6	23.4	25.3	26.6	27.5	28.0	28.3	28.3	28.2	**DX3-015**
		11.1	21.7	27.4	31.2	33.8	35.5	36.7	37.4	37.7	37.8	37.6	**DX3-020**
		13.9	27.1	34.2	38.9	42.2	44.4	45.8	46.7	47.1	47.2	47.0	**DX3-025**
15			2.1	7.6	10.0	11.5	12.6	13.3	13.8	14.1	14.2	14.2	**DX3-008**
			2.7	9.5	12.5	14.5	15.8	16.7	17.3	17.7	17.8	17.9	**DX3-010**
			3.2	11.4	15.0	17.3	18.9	20.0	20.7	21.2	21.4	21.4	**DX3-012**
			4.0	14.2	18.8	21.7	23.7	25.0	25.9	26.4	26.7	26.8	**DX3-015**
			5.4	19.0	25.0	28.9	31.6	33.4	34.6	35.3	35.6	35.7	**DX3-020**
			6.7	23.7	31.3	36.1	39.4	41.7	43.2	44.1	44.5	44.6	**DX3-025**
10					6.2	8.9	10.5	11.6	12.3	12.8	13.1	13.2	**DX3-008**
					7.8	11.1	13.2	14.5	15.5	16.1	16.4	16.6	**DX3-010**
					9.4	13.4	15.8	17.4	18.5	19.2	19.7	19.9	**DX3-012**
					11.7	16.7	19.8	21.8	23.2	24.1	24.6	24.9	**DX3-015**
					15.6	22.3	26.3	29.0	30.9	32.1	32.8	33.2	**DX3-020**
					19.5	27.8	32.9	36.3	38.6	40.1	41.0	41.5	**DX3-025**