



D A T A S H E E T

Electronic Expansion Valves are used to provide precise control of refrigerant flow and system superheat in HVAC&R applications.

DX2 series offers special flow characteristics that brings unique value for various applications especially reversible heat pump and process chillers, electric bus air-conditioning, light commercial air-conditioning, precision cooling, cold-room and test chambers among others.

DX2 platform provides two types of valve body. DX2-022S/ 025S have take-apart body design and IP67 grade protection, which provides excellent field serviceability and flexibility. DX2-08/10/ 12/15 are designed with integrated welded stainless steel body and IP67 protection, which provides better cost and resistance to severer environmental applications.


DX2-008-015(S)

DX2-022S / 025S

Key Features

- Compatible kinds of HFC, HFO refrigerants
- Broad nominal capacity range: 33~103kW @ R410A Asercom condition
- Excellent Maximum Opening Pressure Differential in both normal and reverse flow direction to cover broader application envelope, like low ambient heating type of application
- Optimized flow curves to match variable system capacity demand
- Optimum wide modulation range enables higher integrated part load efficiency
- Precise expansion process control to enable stable system superheat
- Take apart valve body design make it easy to make service in the field
- Highly reliable under extreme applications, 250k full cycles qualified
- 12VDC Uni-polar stepper motor driven, total 500 pulses & IP67 optional
- UL and CE certification

Nomenclature (example: DX2-025S VLC & DX-SU307JM)

DX2-	025	S	VLC*
DX2 Series Valve Body Assy	Nominal Capacity (25Ton@Asercom Condition)	Flow Curves Type: -S means "S" Type; -Omit for Linear Type	VLC= Valve Less Coil

* Valves are shipped without coils, please refer to ordering information for details.

DX-	SU	307	J	M*
DX Series Stator Assy	Uni-polar Stator	3m Cable length & IP67 grade	J=JST connector; Omit for no connector	M=Male type screw cap; Omit for female screw cap.

* Please see package details in ordering information of stator assy.



D A T A S H E E T

General Specifications

Valve technical data:

Items	DX2-022/ 025S	DX2-008/ 010/ 012/ 015(S)
Compatible refrigerants	R410A, R32, R407C, R404A, R22, R134a, R448A, R449A, R507A, R450A, R513A	
Flow direction	Bi-flow	Bi-flow
Flow characteristic	“S” type	“S” type & Linear type
MWP	680 PSIG (46.9 Bar)	680 PSIG (46.9 Bar)
Forward MOPD	500 PSIG (34.5 Bar)	500 PSIG (34.5 Bar)
Reverse MOPD	500 PSIG (34.5 Bar)	218 PSIG (15.0 Bar)
Burst	3400 PSIG (234.5 Bar)	3400 PSIG (234.5 Bar)
Seat leakage	≤ 433 mL/min	≤ 433 mL/min
External leakage	≤ 2.83 g/year	≤ 2.83 g/year
Durability	>250k full cycles	>250k full cycles
Inlet refrigerant temperature	-30~70 °C	-30~70 °C
Ambient temperature	-40~70 °C	-40~70 °C
Compatible lubricants	Mineral Oil & POE	Mineral Oil & POE
Valve body service	Take apart brass body	Hermetic stainless steel body
Connection Size (Inlet X Outlet)	5/8” × 5/8” ODF	5/8” × 5/8” ODF
Weight	About 250g TYP.	About 205g TYP.

Stepper motor technical data:

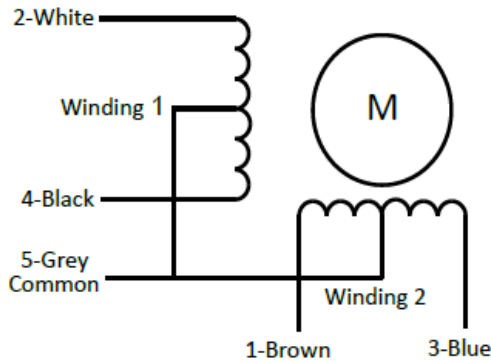
Items	DX-SUXXXXXX (DX-SU307J etc.)	DX-SUXXXXXX (DX-SU307JM* etc.)
Apply to valve body	DX2-022S / 025S	DX2-008/ 010/ 012/ 015(S)
Screw Cap	Female type	Male type
Type	5 wires uni-polar stepper motor	
Operation frequency/ Step rate (PPS)	30~90 PPS, 50 PPS recommended (1 PPS = 1 pulse per second)	
Total 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	300 mA/phase	
Resistance	40 Ω/phase (+/- 10%)	
Protection index	IP65 / IP67	
Insulation class	F(≤155°C)	
Cable length	0.5m/2m/3m/6m, integrated with stator	
Weight	About 265g with 3m cable TYP.	

Note: Stator models and valve body need to be matched according to guideline, otherwise the stator and valve body can't be installed and function properly.



D A T A S H E E T

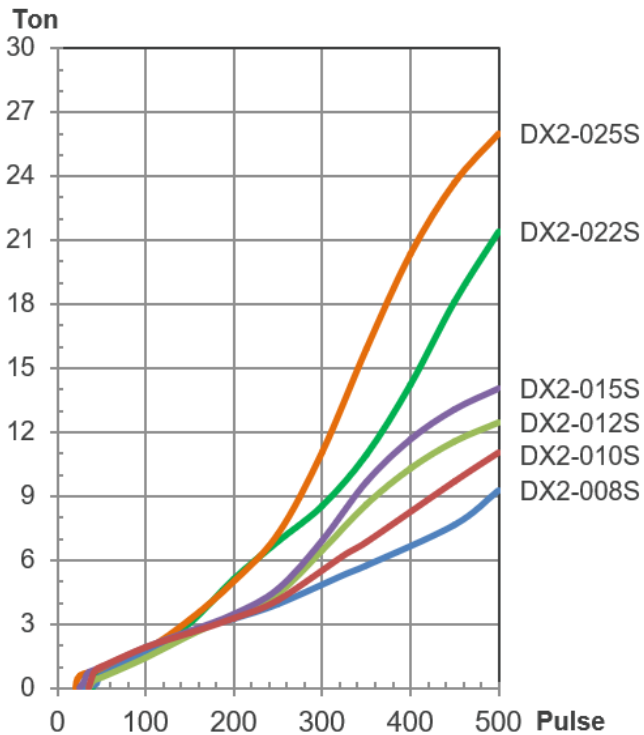
Stepper Motor Wiring and Valve Movement



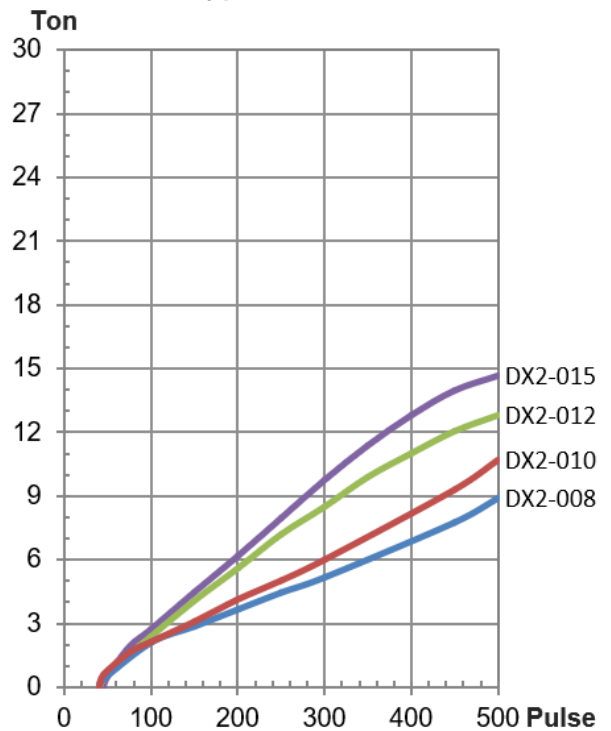
Wires	Valve Movement (Pulses Switching Mode)							
	Open: Close:							
2: White	ON	ON	OFF	OFF	OFF	OFF	OFF	ON
4: Black	OFF	OFF	OFF	ON	ON	ON	OFF	OFF
1: Brown	OFF	ON	ON	ON	OFF	OFF	OFF	OFF
3: Blue	OFF	OFF	OFF	OFF	OFF	ON	ON	ON
5: Gray	ON	ON	ON	ON	ON	ON	ON	ON

Flow Characteristic Curves:

“S” Type Flow Curves



Linear Type Flow Curves



Asercom Conditions: R22, condensing temperature 38°C, evaporating temperature 4°C, sub-cooling 1K



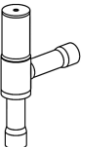
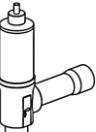
DX2 Stepper Motor Driven Electronic Expansion Valve

Cooling Controls

DATA SHEET

Ordering Information: Valve Body Assy

Model	PCN	Nominal Capacity (kW)*						MOPD Normal	MOPD Reverse	Connection
		R410A	R32	R407C	R404A	R22	R134a			Inlet x Outlet
DX2-008	098385	33.0	48.7	29.9	19.8	28.1	22.0	500psig (34.5 Bar)	218psig (15.0 Bar)	5/8x5/8 ODF
DX2-010	098386	41.3	60.9	37.4	24.7	35.2	27.5			5/8x5/8 ODF
DX2-012	098387	51.6	76.1	46.8	30.9	44.0	34.3			5/8x5/8 ODF
DX2-015	098388	62.0	91.4	56.1	37.1	52.8	41.2			5/8x5/8 ODF
DX2-008S	098389	33.0	48.7	29.9	19.8	28.1	22.0			5/8x5/8 ODF
DX2-010S	098390	41.3	60.9	37.4	24.7	35.2	27.5			5/8x5/8 ODF
DX2-012S	098391	51.6	76.1	46.8	30.9	44.0	34.3			5/8x5/8 ODF
DX2-015S	098392	62.0	91.4	56.1	37.1	52.8	41.2			5/8x5/8 ODF
DX2-022S	098381	90.9	134.0	82.3	54.3	77.3	60.4	500psig (34.5 Bar)	500psig (34.5 Bar)	5/8x5/8 ODF
DX2-025S	098382	103.3	152.3	93.5	61.8	87.9	68.7			5/8x5/8 ODF

Model	PCN	Nominal Capacity (kW)*					MOPD Normal	MOPD Reverse	Connection	Figure
		R448A	R449A	R507A	R450A	R513A			Inlet x Outlet	
DX2-008	098385	27.6	27.0	19.4	19.4	18.3	500psig (34.5 Bar)	218psig (15.0 Bar)	5/8x5/8 ODF	
DX2-010	098386	34.6	33.9	24.2	24.3	22.9			5/8x5/8 ODF	
DX2-012	098387	43.2	42.3	30.3	30.3	28.6			5/8x5/8 ODF	
DX2-015	098388	51.8	50.8	36.4	36.4	34.3			5/8x5/8 ODF	
DX2-008S	098389	27.6	27	19.4	19.4	18.3			5/8x5/8 ODF	
DX2-010S	098390	34.6	33.9	24.2	24.3	22.9			5/8x5/8 ODF	
DX2-012S	098391	43.2	42.3	30.3	30.3	28.6			5/8x5/8 ODF	
DX2-015S	098392	51.8	50.8	36.4	36.4	34.3			5/8x5/8 ODF	
DX2-022S	098381	76.0	74.5	53.4	53.3	50.3	500psig (34.5 Bar)	500psig (34.5 Bar)	5/8x5/8 ODF	
DX2-025S	098382	86.4	84.7	60.7	60.6	57.2			5/8x5/8 ODF	

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

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



DX2 Stepper Motor Driven Electronic Expansion Valve

Cooling Controls

D A T A S H E E T

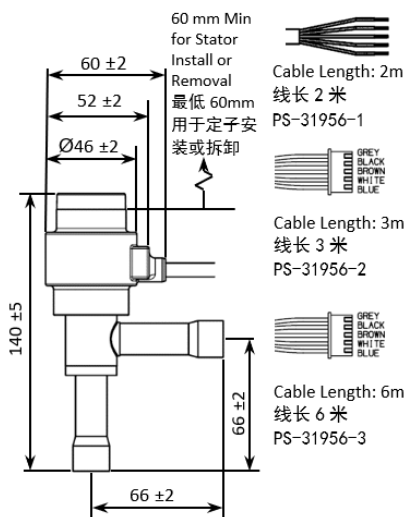
Ordering Information: Stator Assy

Model	PCN	Package Details						Figure & Apply To
		Integrated Stator (1pcs) with cable length		Screw Cap (1PCS)	O-Ring	Enclosure	Connector	
DX-SU205M	098394	12 VDC (300mA/phase)	2m	Male Type	1pcs	IP 65	-	
DX-SU207M	098395		2m		2pcs	IP 67	-	
DX-SU305JM	098396		3m		1pcs	IP 65	JST XHP-5	
DX-SU307JM	098397		3m		2pcs	IP 67	JST XHP-5	
DX-SU605JM	098398		6m		1pcs	IP 65	JST XHP-5	
DX-SU607JM	098399		6m		2pcs	IP 67	JST XHP-5	
DX-SU057M	098400		0.5m		2pcs	IP 67	-	

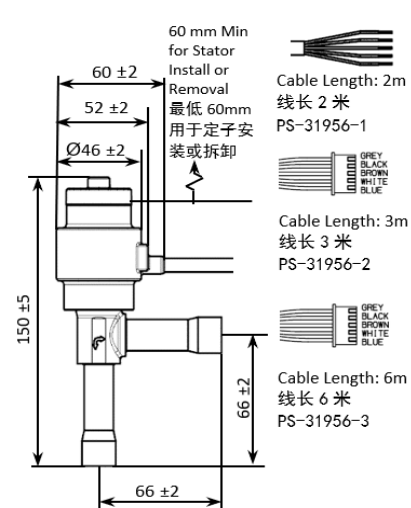
Model	PCN	Package Details						Figure & Apply To
		Integrated Stator (1pcs) with cable length		Screw Cap (1PCS)	O-Ring	Enclosure	Connector	
DX-SU205	098307	12 VDC (300mA/phase)	2m	Female Type	1pcs	IP 65	-	
DX-SU207	098308		2m		2pcs	IP 67	-	
DX-SU305J	098315		3m		1pcs	IP 65	JST XHP-5	
DX-SU307J	098316		3m		2pcs	IP 67	JST XHP-5	
DX-SU605J	098323		6m		1pcs	IP 65	JST XHP-5	
DX-SU607J	098324		6m		2pcs	IP 67	JST XHP-5	
DX-SU057	098032		0.5m		2pcs	IP 67	-	

Overall Dimension (mm)

DX2-008~015(S):



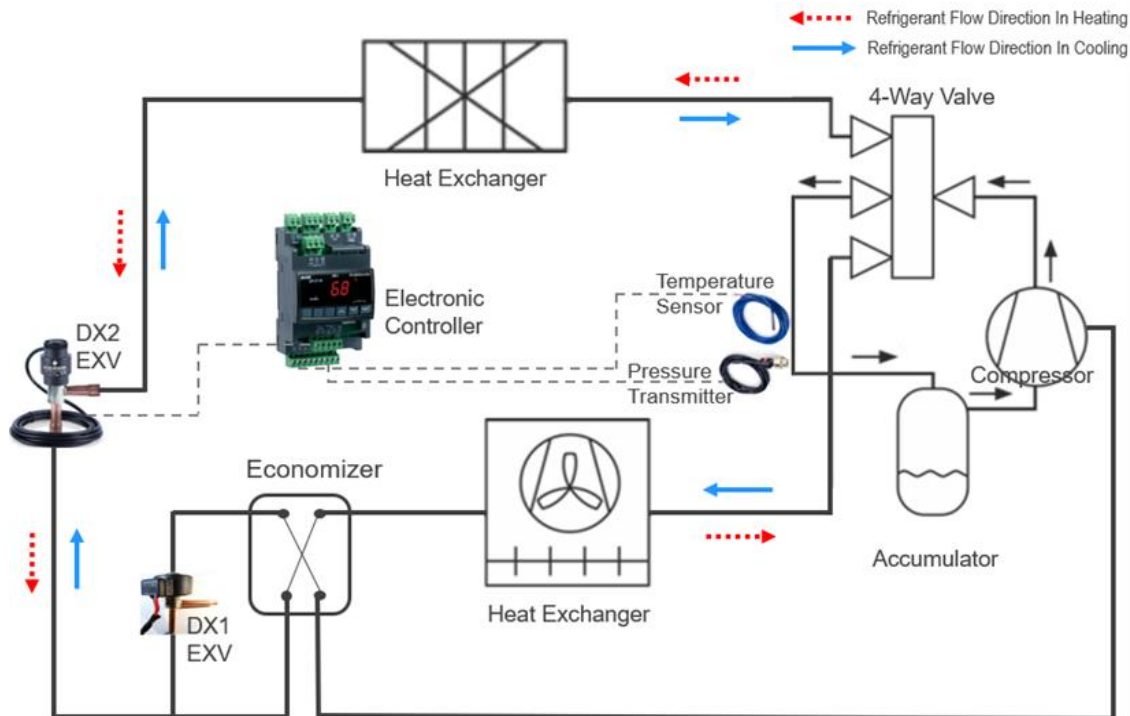
DX2-022S / 025S:



D A T A S H E E T

Application

Typical Heat Pump System Schematic:



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.



D A T A S H E E T

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)	R410A			Extended Capacity (kW)									Valve Model
				Evaporating Temperature (°C)									
	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	DX2-008(S)
	32.6	33.2	33.6	33.9	33.9	33.8	33.6	33.2	32.7	32.2	31.5	30.8	DX2-010(S)
	40.8	41.5	42.1	42.3	42.4	42.3	42.0	41.5	40.9	40.2	39.4	38.5	DX2-012(S)
	48.9	49.9	50.5	50.8	50.9	50.7	50.3	49.8	49.1	48.3	47.3	46.2	DX2-015(S)
	71.7	73.2	74.0	74.5	74.6	74.4	73.8	73.0	72.1	70.8	69.4	67.8	DX2-022S
	81.6	83.1	84.1	84.6	84.8	84.5	83.9	83.0	81.9	80.5	78.8	77.0	DX2-025S
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	DX2-008(S)
	35.6	36.5	37.2	37.6	37.8	37.9	37.8	37.6	37.2	36.7	36.2	35.5	DX2-010(S)
	44.6	45.7	46.5	47.0	47.3	47.4	47.2	46.9	46.5	45.9	45.2	44.4	DX2-012(S)
	53.5	54.8	55.8	56.4	56.8	56.8	56.7	56.3	55.8	55.1	54.2	53.2	DX2-015(S)
	78.4	80.4	81.8	82.7	83.3	83.4	83.2	82.6	81.8	80.7	79.5	78.1	DX2-022S
	89.1	91.4	93.0	94.0	94.6	94.7	94.5	93.9	93.0	91.8	90.4	88.7	DX2-025S
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	DX2-008(S)
	37.0	38.2	39.1	39.7	40.1	40.4	40.4	40.3	40.1	39.7	39.2	38.6	DX2-010(S)
	46.2	47.7	48.8	49.7	50.2	50.5	50.5	50.4	50.1	49.6	49.0	48.3	DX2-012(S)
	55.4	57.2	58.6	59.6	60.2	60.6	60.6	60.5	60.1	59.5	58.8	57.9	DX2-015(S)
	81.3	83.9	85.9	87.5	88.3	88.8	88.9	88.7	88.1	87.3	86.2	84.9	DX2-022S
	92.4	95.4	97.7	99.3	100.4	100.9	101.0	100.8	100.1	99.2	98.0	96.6	DX2-025S
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	DX2-008(S)
	37.1	38.6	39.9	40.8	41.4	41.8	42.0	42.1	41.9	41.7	41.3	40.8	DX2-010(S)
	46.4	48.3	49.8	51.0	51.8	52.3	52.5	52.6	52.4	52.1	51.6	51.0	DX2-012(S)
	55.6	58.0	59.8	61.1	62.1	62.7	63.0	63.1	62.9	62.5	61.9	61.2	DX2-015(S)
	81.6	85.0	87.7	89.7	91.1	92.0	92.4	92.5	92.3	91.6	90.9	89.8	DX2-022S
	92.7	96.6	99.6	101.9	103.5	104.5	105.1	105.1	104.8	104.2	103.2	102.0	DX2-025S
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	DX2-008(S)
	36.2	38.2	39.7	40.9	41.8	42.4	42.8	43.0	43.0	42.9	42.6	42.2	DX2-010(S)
	45.3	47.7	49.7	51.2	52.3	53.1	53.6	53.8	53.8	53.6	53.3	52.8	DX2-012(S)
	54.3	57.3	59.6	61.4	62.7	63.7	64.3	64.5	64.6	64.4	63.9	63.3	DX2-015(S)
	79.6	84.0	87.5	90.1	92.0	93.4	94.3	94.7	94.7	94.4	93.8	93.0	DX2-022S
	90.5	95.5	99.4	102.3	104.6	106.1	107.1	107.6	107.6	107.3	106.6	105.6	DX2-025S
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	DX2-008(S)
	34.3	36.8	38.8	40.4	41.5	42.4	43.0	43.4	43.5	43.5	43.4	43.1	DX2-010(S)
	42.9	46.1	48.5	50.4	51.9	53.0	53.7	54.2	54.4	54.4	54.2	53.8	DX2-012(S)
	51.5	55.3	58.2	60.5	62.3	63.6	64.5	65.0	65.3	65.3	65.0	64.6	DX2-015(S)
	75.6	81.1	85.4	88.8	91.3	93.3	94.6	95.4	95.7	95.7	95.4	94.7	DX2-022S
	85.9	92.1	97.0	100.9	103.8	106.0	107.5	108.4	108.8	108.8	108.4	107.7	DX2-025S



DX2 Stepper Motor Driven Electronic Expansion Valve

Cooling Controls

D A T A S H E E T

Condensing Temperature (°C)	R410A			Extended Capacity (kW)									Valve Model
				Evaporating Temperature (°C)									
	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	DX2-008(S)
	31.4	34.6	37.1	39.0	40.5	41.7	42.5	43.1	43.4	43.6	43.5	43.4	DX2-010(S)
	39.2	43.2	46.4	48.8	50.7	52.1	53.1	53.9	54.3	54.5	54.4	54.2	DX2-012(S)
	47.1	51.9	55.6	58.6	60.8	62.5	63.8	64.6	65.1	65.4	65.3	65.0	DX2-015(S)
	69.1	76.1	81.6	85.9	89.2	91.7	93.5	94.8	95.6	95.8	95.8	95.4	DX2-022S
	78.5	86.5	92.7	97.6	101.4	104.2	106.3	107.7	108.6	108.9	108.9	108.4	DX2-025S
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	DX2-008(S)
	27.1	31.3	34.5	37.0	38.9	40.4	41.5	42.3	42.8	43.1	43.2	43.2	DX2-010(S)
	33.9	39.1	43.1	46.2	48.6	50.5	51.8	52.8	53.5	53.9	54.0	54.0	DX2-012(S)
	40.7	47.0	51.8	55.5	58.3	60.6	62.2	63.4	64.2	64.7	64.9	64.8	DX2-015(S)
	59.6	68.9	75.9	81.3	85.6	88.8	91.3	93.0	94.2	94.8	95.2	95.0	DX2-022S
	67.8	78.3	86.3	92.4	97.2	100.9	103.7	105.7	107.0	107.8	108.1	108.0	DX2-025S
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	DX2-008(S)
	20.8	26.7	30.9	34.1	36.5	38.4	39.9	40.9	41.7	42.2	42.5	42.6	DX2-010(S)
	26.0	33.4	38.7	42.6	45.7	48.0	49.8	51.2	52.1	52.7	53.1	53.2	DX2-012(S)
	31.2	40.1	46.4	51.2	54.8	57.6	59.8	61.4	62.5	63.3	63.7	63.8	DX2-015(S)
	45.8	58.7	68.1	75.0	80.4	84.6	87.7	90.1	91.7	92.8	93.4	93.6	DX2-022S
	52.0	66.8	77.3	85.3	91.4	96.1	99.7	102.3	104.2	105.5	106.2	106.4	DX2-025S
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	DX2-008(S)
	9.1	20.0	26.1	30.3	33.4	35.8	37.7	39.1	40.1	40.8	41.3	41.5	DX2-010(S)
	11.4	25.0	32.6	37.8	41.8	44.8	47.1	48.8	50.1	51.0	51.6	51.9	DX2-012(S)
	13.6	30.1	39.1	45.4	50.1	53.7	56.5	58.6	60.1	61.2	61.9	62.2	DX2-015(S)
	20.0	44.1	57.3	66.7	73.6	78.9	82.8	85.9	88.2	89.8	90.8	91.3	DX2-022S
	22.7	50.1	65.1	75.7	83.6	89.6	94.2	97.6	100.2	102.0	103.1	103.7	DX2-025S
15		5.6	15.2	20.1	23.5	26.0	27.9	29.3	30.4	31.1	31.7	32.0	DX2-008(S)
		7.0	19.0	25.1	29.4	32.5	34.8	36.6	38.0	38.9	39.6	40.0	DX2-010(S)
		8.8	23.8	31.4	36.7	40.6	43.6	45.8	47.5	48.7	49.5	50.0	DX2-012(S)
		10.5	28.6	37.7	44.1	48.7	52.3	54.9	56.9	58.4	59.4	60.0	DX2-015(S)
		15.5	41.9	55.3	64.6	71.5	76.7	80.6	83.5	85.7	87.1	88.1	DX2-022S
		17.6	47.6	62.9	73.4	81.2	87.1	91.6	94.9	97.3	99.0	100.1	DX2-025S
10			2.8	14.2	19.2	22.6	25.0	26.9	28.3	29.3	30.0	30.5	DX2-008(S)
			3.5	17.8	24.0	28.2	31.3	33.6	35.3	36.6	37.5	38.2	DX2-010(S)
			4.3	22.2	30.0	35.3	39.1	42.0	44.2	45.8	46.9	47.7	DX2-012(S)
			5.2	26.6	36.0	42.3	46.9	50.4	53.0	54.9	56.3	57.3	DX2-015(S)
			7.6	39.1	52.8	62.0	68.9	73.9	77.8	80.5	82.6	83.9	DX2-022S
			8.6	44.4	60.0	70.5	78.2	84.0	88.3	91.5	93.8	95.4	DX2-025S



DATA SHEET

Condensing Temperature (°C)	R32			Extended Capacity (kW)									Valve Model
				Evaporating Temperature (°C)									
	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	DX2-008(S)
	57.8	59.4	60.6	61.6	62.3	62.9	63.1	63.2	63.2	63.0	62.6	62.1	DX2-010(S)
	72.2	74.2	75.8	77.0	77.9	78.6	78.9	79.1	79.0	78.7	78.3	77.7	DX2-012(S)
	86.7	89.0	90.9	92.4	93.5	94.3	94.7	94.9	94.8	94.4	93.9	93.2	DX2-015(S)
	127.1	130.6	133.4	135.5	137.2	138.3	138.9	139.2	139.0	138.5	137.7	136.7	DX2-022S
	144.4	148.4	151.6	154.0	155.9	157.1	157.9	158.1	158.0	157.4	156.5	155.3	DX2-025S
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	DX2-008(S)
	58.8	60.8	62.3	63.6	64.5	65.2	65.7	65.9	66.0	65.9	65.6	65.2	DX2-010(S)
	73.5	75.9	77.9	79.5	80.6	81.5	82.1	82.4	82.5	82.3	82.0	81.5	DX2-012(S)
	88.3	91.1	93.5	95.3	96.8	97.8	98.5	98.9	99.0	98.8	98.4	97.8	DX2-015(S)
	129.5	133.7	137.1	139.8	141.9	143.4	144.4	145.0	145.1	144.9	144.3	143.4	DX2-022S
	147.1	151.9	155.8	158.9	161.3	163.0	164.2	164.8	164.9	164.7	164.0	163.1	DX2-025S
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	DX2-008(S)
	58.5	60.8	62.7	64.2	65.4	66.3	67.0	67.4	67.6	67.6	67.4	67.1	DX2-010(S)
	73.2	76.0	78.4	80.3	81.8	82.9	83.7	84.2	84.5	84.5	84.3	83.9	DX2-012(S)
	87.8	91.2	94.1	96.3	98.1	99.5	100.4	101.1	101.4	101.4	101.2	100.7	DX2-015(S)
	128.7	133.9	137.9	141.4	143.9	145.9	147.3	148.2	148.6	148.7	148.4	147.7	DX2-022S
	146.3	152.1	156.8	160.6	163.6	165.8	167.4	168.4	168.9	169.0	168.6	167.9	DX2-025S
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	DX2-008(S)
	57.0	59.8	62.0	63.9	65.3	66.5	67.3	67.9	68.2	68.4	68.4	68.2	DX2-010(S)
	71.3	74.7	77.5	79.8	81.7	83.1	84.1	84.9	85.3	85.5	85.4	85.2	DX2-012(S)
	85.5	89.7	93.1	95.8	98.0	99.7	101.0	101.8	102.4	102.6	102.5	102.3	DX2-015(S)
	125.4	131.6	136.5	140.5	143.8	146.2	148.1	149.4	150.2	150.5	150.4	149.9	DX2-022S
	142.6	149.4	155.1	159.7	163.3	166.2	168.3	169.7	170.6	171.0	170.9	170.4	DX2-025S
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	DX2-008(S)
	54.4	57.7	60.4	62.6	64.4	65.8	66.8	67.6	68.1	68.4	68.5	68.4	DX2-010(S)
	68.0	72.1	75.5	78.2	80.5	82.2	83.5	84.5	85.1	85.5	85.6	85.5	DX2-012(S)
	81.6	86.5	90.6	93.9	96.5	98.6	100.2	101.4	102.2	102.6	102.8	102.7	DX2-015(S)
	119.7	126.9	132.9	137.7	141.6	144.7	147.0	148.7	149.8	150.5	150.7	150.6	DX2-022S
	136.0	144.2	151.0	156.5	160.9	164.4	167.1	169.0	170.3	171.0	171.3	171.1	DX2-025S
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	DX2-008(S)
	50.6	54.6	57.8	60.5	62.6	64.3	65.6	66.6	67.3	67.8	68.0	68.1	DX2-010(S)
	63.3	68.3	72.3	75.6	78.2	80.4	82.0	83.3	84.1	84.7	85.0	85.1	DX2-012(S)
	75.9	81.9	86.8	90.7	93.9	96.4	98.4	99.9	101.0	101.7	102.0	102.1	DX2-015(S)
	111.3	120.1	127.3	133.0	137.7	141.5	144.3	146.5	148.1	149.1	149.6	149.7	DX2-022S
	126.6	136.5	144.6	151.2	156.5	160.7	164.0	166.5	168.3	169.4	170.0	170.1	DX2-025S



D A T A S H E E T

Condensing Temperature (°C)	R32			Extended Capacity (kW)									Valve Model
				Evaporating Temperature (°C)									
	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	DX2-008(S)
	45.5	50.4	54.3	57.5	60.1	62.1	63.7	65.0	65.9	66.5	66.9	67.1	DX2-010(S)
	56.9	63.0	67.9	71.9	75.1	77.6	79.6	81.2	82.4	83.1	83.6	83.9	DX2-012(S)
	68.3	75.6	81.5	86.3	90.1	93.2	95.6	97.4	98.8	99.8	100.4	100.6	DX2-015(S)
	100.2	111.0	119.6	126.5	132.1	136.6	140.1	142.9	145.0	146.3	147.2	147.6	DX2-022S
	113.8	126.1	135.9	143.8	150.2	155.3	159.3	162.4	164.7	166.3	167.3	167.7	DX2-025S
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	DX2-008(S)
	38.8	45.0	49.8	53.7	56.8	59.2	61.2	62.7	63.9	64.7	65.3	65.6	DX2-010(S)
	48.5	56.2	62.3	67.1	70.9	74.0	76.5	78.4	79.8	80.9	81.6	82.0	DX2-012(S)
	58.1	67.5	74.7	80.5	85.1	88.8	91.8	94.1	95.8	97.1	97.9	98.4	DX2-015(S)
	85.3	99.0	109.7	118.1	124.9	130.2	134.6	137.9	140.5	142.3	143.6	144.3	DX2-022S
	96.9	112.5	124.6	134.2	141.9	148.1	152.9	156.8	159.7	161.8	163.2	164.0	DX2-025S
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	DX2-008(S)
	29.3	37.9	44.1	48.9	52.6	55.6	58.0	59.9	61.3	62.4	63.1	63.6	DX2-010(S)
	36.7	47.4	55.1	61.1	65.8	69.5	72.5	74.8	76.6	78.0	78.9	79.5	DX2-012(S)
	44.0	56.9	66.2	73.3	79.0	83.4	87.0	89.8	91.9	93.5	94.7	95.4	DX2-015(S)
	64.6	83.4	97.0	107.6	115.8	122.3	127.6	131.7	134.9	137.2	138.9	140.0	DX2-022S
	73.4	94.8	110.3	122.2	131.6	139.1	145.0	149.6	153.2	155.9	157.8	159.1	DX2-025S
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	DX2-008(S)
	12.6	28.1	36.7	42.9	47.6	51.2	54.1	56.4	58.2	59.5	60.5	61.2	DX2-010(S)
	15.8	35.2	45.9	53.6	59.5	64.1	67.7	70.5	72.7	74.4	75.6	76.5	DX2-012(S)
	18.9	42.2	55.1	64.4	71.4	76.9	81.2	84.6	87.3	89.3	90.8	91.8	DX2-015(S)
	27.7	61.9	80.9	94.4	104.7	112.8	119.1	124.1	127.9	130.9	133.1	134.6	DX2-022S
	31.6	70.3	91.9	107.3	119.0	128.1	135.3	141.0	145.4	148.8	151.3	153.0	DX2-025S
15			21.3	28.2	33.1	36.8	39.6	41.9	43.6	44.9	45.9	46.6	DX2-008(S)
			26.6	35.3	41.4	46.0	49.5	52.3	54.5	56.1	57.4	58.3	DX2-010(S)
			33.2	44.1	51.7	57.5	61.9	65.4	68.1	70.2	71.7	72.9	DX2-012(S)
			39.9	52.9	62.1	69.0	74.3	78.5	81.7	84.2	86.1	87.5	DX2-015(S)
			58.5	77.7	91.1	101.2	109.0	115.1	119.9	123.5	126.3	128.3	DX2-022S
			66.5	88.2	103.5	114.9	123.8	130.8	136.2	140.4	143.5	145.8	DX2-025S
10				19.8	26.8	31.7	35.3	38.0	40.1	41.8	43.0	44.0	DX2-008(S)
				24.7	33.5	39.6	44.1	47.5	50.2	52.2	53.8	55.0	DX2-010(S)
				30.9	41.9	49.5	55.1	59.4	62.7	65.3	67.3	68.7	DX2-012(S)
				37.1	50.3	59.3	66.1	71.3	75.3	78.4	80.7	82.5	DX2-015(S)
				54.3	73.7	87.0	96.9	104.5	110.4	115.0	118.4	120.9	DX2-022S
				61.8	83.8	98.9	110.2	118.8	125.5	130.6	134.5	137.4	DX2-025S



DX2 Stepper Motor Driven Electronic Expansion Valve

Cooling Controls

DATA SHEET

Condensing Temperature (°C)	R407C			Extended Capacity (kW)									Valve Model
				Evaporating Temperature (°C)									
	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	DX2-008(S)
	34.1	34.3	34.3	34.2	33.9	33.4	32.9	32.3	31.6	30.8	30.0	29.1	DX2-010(S)
	42.7	42.9	42.9	42.7	42.3	41.8	41.1	40.4	39.5	38.5	37.4	36.3	DX2-012(S)
	51.2	51.5	51.5	51.3	50.8	50.2	49.4	48.4	47.4	46.2	44.9	43.6	DX2-015(S)
	75.1	75.5	75.6	75.1	74.5	73.6	72.4	71.1	69.5	67.8	65.9	63.9	DX2-022S
	85.3	85.8	85.8	85.4	84.7	83.6	82.3	80.7	78.9	77.0	74.9	72.7	DX2-025S
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	DX2-008(S)
	35.0	35.4	35.6	35.6	35.4	35.1	34.7	34.1	33.5	32.8	32.0	31.2	DX2-010(S)
	43.7	44.2	44.5	44.5	44.2	43.9	43.3	42.7	41.9	41.0	40.0	39.0	DX2-012(S)
	52.5	53.1	53.3	53.3	53.1	52.6	52.0	51.2	50.3	49.2	48.0	46.8	DX2-015(S)
	77.0	77.9	78.2	78.2	77.9	77.2	76.2	75.1	73.7	72.2	70.5	68.6	DX2-022S
	87.5	88.5	88.9	88.9	88.5	87.7	86.7	85.3	83.8	82.0	80.1	78.0	DX2-025S
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	DX2-008(S)
	35.2	35.8	36.2	36.4	36.4	36.2	35.9	35.4	34.9	34.3	33.6	32.8	DX2-010(S)
	44.0	44.8	45.3	45.5	45.4	45.2	44.8	44.3	43.6	42.9	42.0	41.0	DX2-012(S)
	52.8	53.7	54.3	54.6	54.5	54.3	53.8	53.2	52.4	51.4	50.4	49.3	DX2-015(S)
	77.4	78.9	79.6	80.0	80.0	79.6	78.9	78.0	76.8	75.5	73.9	72.3	DX2-022S
	88.0	89.6	90.5	90.9	90.9	90.5	89.7	88.6	87.3	85.7	84.0	82.1	DX2-025S
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	DX2-008(S)
	34.8	35.7	36.3	36.6	36.8	36.8	36.6	36.3	35.8	35.3	34.7	34.0	DX2-010(S)
	43.5	44.6	45.4	45.8	46.0	46.0	45.7	45.3	44.8	44.1	43.4	42.5	DX2-012(S)
	52.2	53.5	54.4	55.0	55.2	55.1	54.9	54.4	53.8	53.0	52.0	51.0	DX2-015(S)
	76.6	78.5	79.9	80.6	81.0	80.9	80.5	79.8	78.9	77.7	76.3	74.8	DX2-022S
	87.0	89.2	90.7	91.6	92.0	91.9	91.5	90.7	89.6	88.3	86.7	85.0	DX2-025S
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	DX2-008(S)
	33.8	35.0	35.8	36.4	36.7	36.9	36.8	36.6	36.3	35.9	35.4	34.8	DX2-010(S)
	42.2	43.7	44.8	45.5	45.9	46.1	46.0	45.8	45.4	44.9	44.2	43.5	DX2-012(S)
	50.7	52.5	53.7	54.6	55.1	55.3	55.3	55.0	54.5	53.9	53.1	52.2	DX2-015(S)
	74.3	76.9	78.9	80.1	80.9	81.2	81.1	80.6	80.0	79.0	77.8	76.5	DX2-022S
	84.4	87.4	89.6	91.0	91.9	92.2	92.1	91.6	90.8	89.8	88.4	86.9	DX2-025S
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	DX2-008(S)
	32.1	33.7	34.8	35.7	36.2	36.5	36.7	36.6	36.4	36.1	35.7	35.1	DX2-010(S)
	40.1	42.1	43.6	44.6	45.3	45.7	45.8	45.8	45.5	45.1	44.6	43.9	DX2-012(S)
	48.2	50.5	52.3	53.5	54.3	54.8	55.0	54.9	54.6	54.1	53.5	52.7	DX2-015(S)
	70.6	74.1	76.7	78.5	79.8	80.4	80.6	80.5	80.1	79.4	78.4	77.3	DX2-022S
	80.3	84.2	87.1	89.2	90.6	91.4	91.7	91.5	91.0	90.2	89.2	87.9	DX2-025S



DX2 Stepper Motor Driven Electronic Expansion Valve Cooling Controls

DATA SHEET

Condensing Temperature (°C)	R407C			Extended Capacity (kW)									Valve Model
				Evaporating Temperature (°C)									
	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	DX2-008(S)
	29.7	31.8	33.3	34.5	35.3	35.8	36.1	36.2	36.1	35.9	35.6	35.2	DX2-010(S)
	37.2	39.7	41.7	43.1	44.1	44.7	45.1	45.2	45.1	44.9	44.5	43.9	DX2-012(S)
	44.6	47.7	50.0	51.7	52.9	53.7	54.1	54.3	54.2	53.9	53.4	52.7	DX2-015(S)
	65.5	70.0	73.3	75.8	77.6	78.8	79.4	79.6	79.4	79.0	78.3	77.3	DX2-022S
	74.3	79.5	83.3	86.1	88.1	89.5	90.2	90.4	90.3	89.8	88.9	87.9	DX2-025S
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	DX2-008(S)
	26.5	29.2	31.2	32.7	33.8	34.6	35.1	35.4	35.4	35.4	35.1	34.8	DX2-010(S)
	33.2	36.5	39.0	40.9	42.3	43.2	43.9	44.2	44.3	44.2	43.9	43.5	DX2-012(S)
	39.8	43.8	46.8	49.1	50.7	51.9	52.6	53.0	53.2	53.0	52.7	52.2	DX2-015(S)
	58.3	64.2	68.8	72.1	74.4	76.1	77.2	77.8	78.0	77.8	77.3	76.6	DX2-022S
	66.3	73.0	78.1	81.8	84.6	86.5	87.7	88.4	88.6	88.4	87.9	87.1	DX2-025S
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	DX2-008(S)
	22.2	25.8	28.5	30.4	31.9	33.0	33.7	34.2	34.4	34.5	34.4	34.2	DX2-010(S)
	27.7	32.3	35.6	38.1	39.9	41.2	42.1	42.7	43.0	43.1	43.0	42.7	DX2-012(S)
	33.3	38.7	42.7	45.7	47.9	49.4	50.5	51.2	51.6	51.7	51.6	51.2	DX2-015(S)
	48.7	56.8	62.7	67.0	70.2	72.5	74.1	75.1	75.7	75.8	75.7	75.1	DX2-022S
	55.4	64.6	71.2	76.1	79.8	82.4	84.2	85.4	86.0	86.2	85.9	85.4	DX2-025S
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	DX2-008(S)
	15.9	21.3	24.9	27.5	29.5	30.9	31.9	32.6	33.0	33.2	33.3	33.2	DX2-010(S)
	19.9	26.6	31.1	34.4	36.8	38.6	39.9	40.7	41.3	41.6	41.6	41.5	DX2-012(S)
	23.8	31.9	37.4	41.3	44.2	46.3	47.8	48.9	49.5	49.9	49.9	49.8	DX2-015(S)
	35.0	46.9	54.8	60.6	64.8	67.9	70.2	71.7	72.6	73.2	73.3	73.0	DX2-022S
	39.7	53.2	62.3	68.8	73.6	77.2	79.7	81.4	82.5	83.1	83.2	83.0	DX2-025S
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	DX2-008(S)
		14.7	20.2	23.8	26.4	28.3	29.6	30.6	31.3	31.7	31.9	31.9	DX2-010(S)
		18.4	25.2	29.8	33.0	35.3	37.0	38.2	39.1	39.6	39.8	39.9	DX2-012(S)
		22.1	30.3	35.7	39.6	42.4	44.4	45.9	46.9	47.5	47.8	47.9	DX2-015(S)
		32.3	44.4	52.4	58.1	62.2	65.1	67.3	68.8	69.6	70.1	70.2	DX2-022S
		36.8	50.5	59.5	65.9	70.6	74.1	76.5	78.1	79.2	79.7	79.8	DX2-025S
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	DX2-008(S)
			13.2	18.9	22.5	25.0	26.9	28.2	29.1	29.7	30.1	30.3	DX2-010(S)
			16.5	23.6	28.1	31.3	33.6	35.2	36.4	37.2	37.6	37.9	DX2-012(S)
			19.9	28.3	33.7	37.5	40.3	42.3	43.7	44.6	45.2	45.5	DX2-015(S)
			29.2	41.6	49.5	55.0	59.1	62.0	64.0	65.5	66.2	66.7	DX2-022S
			33.1	47.2	56.2	62.5	67.1	70.4	72.8	74.3	75.3	75.8	DX2-025S



DX2 Stepper Motor Driven Electronic Expansion Valve

Cooling Controls

D A T A S H E E T

Condensing Temperature (°C)	R22			Extended Capacity (kW)									Valve Model
				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	DX2-008(S)
	36.0	36.6	37.0	37.3	37.4	37.3	37.1	36.9	36.5	36.1	35.5	34.9	DX2-010(S)
	45.0	45.8	46.3	46.6	46.7	46.6	46.4	46.1	45.6	45.1	44.4	43.7	DX2-012(S)
	54.0	54.9	55.6	55.9	56.0	56.0	55.7	55.3	54.8	54.1	53.3	52.4	DX2-015(S)
	79.2	80.5	81.5	82.1	82.2	82.1	81.7	81.1	80.3	79.3	78.2	76.9	DX2-022S
	90.0	91.6	92.6	93.2	93.4	93.3	92.9	92.2	91.3	90.1	88.8	87.4	DX2-025S
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	DX2-008(S)
	35.6	36.4	37.0	37.4	37.7	37.7	37.7	37.5	37.2	36.8	36.4	35.9	DX2-010(S)
	44.5	45.5	46.3	46.8	47.1	47.2	47.1	46.9	46.5	46.0	45.5	44.8	DX2-012(S)
	53.4	54.6	55.5	56.1	56.5	56.6	56.5	56.2	55.8	55.3	54.6	53.8	DX2-015(S)
	78.3	80.2	81.5	82.4	82.8	83.1	82.8	82.5	81.8	81.1	80.1	78.9	DX2-022S
	89.0	91.1	92.6	93.6	94.1	94.3	94.2	93.7	93.0	92.1	91.0	89.7	DX2-025S
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	DX2-008(S)
	34.7	35.7	36.5	37.1	37.5	37.7	37.8	37.7	37.5	37.2	36.9	36.4	DX2-010(S)
	43.3	44.7	45.7	46.4	46.9	47.2	47.2	47.1	46.9	46.5	46.1	45.5	DX2-012(S)
	52.0	53.6	54.8	55.7	56.3	56.6	56.7	56.6	56.3	55.8	55.3	54.6	DX2-015(S)
	76.2	78.7	80.4	81.7	82.5	82.9	83.2	82.9	82.5	82.0	81.1	80.1	DX2-022S
	86.7	89.4	91.4	92.8	93.8	94.3	94.4	94.3	93.8	93.1	92.1	91.0	DX2-025S
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	DX2-008(S)
	33.2	34.6	35.6	36.4	37.0	37.3	37.5	37.6	37.5	37.3	37.0	36.6	DX2-010(S)
	41.5	43.2	44.5	45.5	46.2	46.7	46.9	46.9	46.8	46.6	46.2	45.8	DX2-012(S)
	49.8	51.9	53.4	54.6	55.4	56.0	56.3	56.3	56.2	55.9	55.5	54.9	DX2-015(S)
	73.0	76.0	78.3	80.1	81.3	82.2	82.5	82.6	82.4	82.1	81.4	80.5	DX2-022S
	83.0	86.4	89.1	91.0	92.4	93.3	93.8	93.9	93.7	93.2	92.5	91.5	DX2-025S
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	DX2-008(S)
	31.2	32.9	34.2	35.3	36.0	36.6	36.9	37.1	37.1	37.0	36.8	36.5	DX2-010(S)
	39.0	41.1	42.8	44.1	45.0	45.7	46.1	46.3	46.4	46.2	46.0	45.6	DX2-012(S)
	46.8	49.4	51.4	52.9	54.0	54.8	55.3	55.6	55.6	55.5	55.2	54.7	DX2-015(S)
	68.6	72.4	75.4	77.6	79.2	80.4	81.2	81.5	81.6	81.4	81.0	80.3	DX2-022S
	77.9	82.3	85.6	88.2	90.1	91.4	92.2	92.7	92.7	92.5	92.0	91.2	DX2-025S
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	DX2-008(S)
	28.5	30.7	32.4	33.7	34.7	35.4	35.9	36.2	36.4	36.4	36.3	36.1	DX2-010(S)
	35.6	38.4	40.5	42.1	43.4	44.3	44.9	45.3	45.5	45.5	45.4	45.1	DX2-012(S)
	42.8	46.0	48.6	50.5	52.0	53.1	53.9	54.4	54.6	54.6	54.4	54.1	DX2-015(S)
	62.7	67.5	71.3	74.1	76.3	77.9	79.0	79.8	80.1	80.1	79.9	79.4	DX2-022S
	71.3	76.7	81.0	84.2	86.7	88.5	89.8	90.6	91.0	91.0	90.7	90.2	DX2-025S



D A T A S H E E T

Condensing Temperature (°C)	R22			Extended Capacity (kW)									Valve Model
				Evaporating Temperature (°C)									
	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	DX2-008(S)
	25.1	27.9	30.0	31.7	33.0	33.9	34.6	35.1	35.4	35.5	35.5	35.4	DX2-010(S)
	31.3	34.8	37.5	39.6	41.2	42.4	43.3	43.9	44.2	44.4	44.4	44.2	DX2-012(S)
	37.6	41.8	45.0	47.5	49.4	50.9	51.9	52.6	53.1	53.3	53.3	53.1	DX2-015(S)
	55.1	61.3	66.0	69.7	72.5	74.6	76.1	77.2	77.9	78.1	78.1	77.9	DX2-022S
	62.6	69.7	75.0	79.2	82.4	84.8	86.5	87.7	88.4	88.8	88.8	88.5	DX2-025S
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	DX2-008(S)
	20.5	24.2	27.0	29.2	30.8	32.0	32.9	33.6	34.1	34.3	34.4	34.4	DX2-010(S)
	25.6	30.3	33.8	36.4	38.5	40.0	41.2	42.0	42.6	42.9	43.0	43.0	DX2-012(S)
	30.7	36.4	40.5	43.7	46.2	48.0	49.4	50.4	51.1	51.5	51.6	51.6	DX2-015(S)
	45.0	53.4	59.5	64.1	67.8	70.4	72.5	73.9	74.9	75.5	75.8	75.7	DX2-022S
	51.2	60.6	67.6	72.9	76.9	80.0	82.3	84.0	85.1	85.8	86.1	86.0	DX2-025S
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	DX2-008(S)
	13.8	19.5	23.3	26.0	28.1	29.7	30.9	31.8	32.4	32.8	33.1	33.2	DX2-010(S)
	17.2	24.3	29.1	32.5	35.1	37.1	38.6	39.7	40.5	41.1	41.4	41.5	DX2-012(S)
	20.7	29.2	34.9	39.0	42.2	44.6	46.4	47.7	48.6	49.3	49.6	49.8	DX2-015(S)
	30.3	42.8	51.2	57.3	61.8	65.3	68.0	70.0	71.3	72.3	72.8	73.0	DX2-022S
	34.4	48.7	58.2	65.1	70.3	74.3	77.3	79.5	81.1	82.1	82.7	82.9	DX2-025S
20		12.4	18.3	22.1	24.9	26.9	28.5	29.6	30.5	31.1	31.5	31.7	DX2-008(S)
		15.5	22.9	27.6	31.1	33.6	35.6	37.0	38.1	38.8	39.3	39.6	DX2-010(S)
		18.6	27.4	33.2	37.3	40.4	42.7	44.4	45.7	46.6	47.2	47.5	DX2-012(S)
		24.8	36.6	44.2	49.7	53.8	56.9	59.2	60.9	62.1	62.9	63.3	DX2-015(S)
		34.1	50.3	60.8	68.3	74.0	78.2	81.4	83.8	85.5	86.5	87.1	DX2-022S
		38.8	57.1	69.1	77.6	84.1	88.9	92.5	95.3	97.1	98.3	99.0	DX2-025S
15			8.2	13.0	15.9	18.0	19.6	20.7	21.6	22.2	22.6	22.9	DX2-008(S)
			10.2	16.2	19.9	22.5	24.5	25.9	27.0	27.8	28.3	28.7	DX2-010(S)
			12.8	20.3	24.9	28.2	30.6	32.4	33.7	34.7	35.4	35.8	DX2-012(S)
			15.3	24.3	29.9	33.8	36.7	38.9	40.5	41.7	42.5	43.0	DX2-015(S)
			22.6	35.6	43.8	49.6	53.8	57.0	59.4	61.1	62.3	63.0	DX2-022S
			25.6	40.5	49.8	56.3	61.2	64.8	67.5	69.4	70.8	71.7	DX2-025S
10				6.8	12.2	15.4	17.6	19.2	20.4	21.2	21.9	22.3	DX2-008(S)
				8.5	15.3	19.2	22.0	24.0	25.4	26.5	27.3	27.9	DX2-010(S)
				10.6	19.1	24.1	27.5	30.0	31.8	33.2	34.1	34.8	DX2-012(S)
				12.7	23.0	28.9	33.0	36.0	38.2	39.8	41.0	41.8	DX2-015(S)
				18.7	33.7	42.4	48.4	52.7	56.0	58.4	60.1	61.3	DX2-022S
				21.2	38.3	48.1	54.9	59.9	63.6	66.3	68.3	69.6	DX2-025S



D A T A S H E E T

Condensing Temperature (°C)	R404A			Extended Capacity (kW)									Valve Model
				Evaporating Temperature (°C)									
	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	DX2-008(S)
	19.5	19.6	19.5	19.3	19.0	18.6	18.1	17.4	16.8	16.0	15.3	14.4	DX2-010(S)
	23.4	23.5	23.5	23.2	22.8	22.3	21.7	20.9	20.1	19.2	18.3	17.3	DX2-012(S)
	29.3	29.4	29.3	29.0	28.5	27.9	27.0	26.1	25.1	24.0	22.9	21.6	DX2-015(S)
	42.9	43.2	43.0	42.6	41.8	40.9	39.7	38.4	36.9	35.3	33.6	31.8	DX2-022S
	48.8	49.0	48.9	48.4	47.5	46.4	45.1	43.6	41.9	40.1	38.1	36.0	DX2-025S
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	DX2-008(S)
	20.8	21.2	21.3	21.2	21.0	20.7	20.3	19.8	19.2	18.6	17.9	17.1	DX2-010(S)
	25.0	25.4	25.5	25.4	25.2	24.9	24.4	23.8	23.0	22.3	21.4	20.5	DX2-012(S)
	31.2	31.7	31.9	31.8	31.5	31.1	30.5	29.7	28.8	27.8	26.7	25.6	DX2-015(S)
	45.8	46.5	46.8	46.8	46.3	45.7	44.7	43.6	42.2	40.8	39.3	37.6	DX2-022S
	52.0	52.9	53.2	53.1	52.6	51.8	50.8	49.5	48.0	46.4	44.6	42.7	DX2-025S
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	DX2-008(S)
	22.6	23.0	23.3	23.4	23.3	23.1	22.8	22.3	21.8	21.2	20.5	19.8	DX2-010(S)
	27.0	27.6	28.0	28.1	28.0	27.7	27.3	26.8	26.1	25.4	24.6	23.8	DX2-012(S)
	33.8	34.6	35.0	35.1	35.0	34.7	34.2	33.5	32.7	31.8	30.8	29.7	DX2-015(S)
	49.6	50.7	51.4	51.5	51.4	50.9	50.2	49.2	48.0	46.6	45.2	43.6	DX2-022S
	56.4	57.6	58.3	58.5	58.3	57.8	57.0	55.9	54.5	53.0	51.3	49.5	DX2-025S
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	DX2-008(S)
	21.2	22.1	22.7	23.1	23.3	23.2	23.1	22.8	22.4	21.9	21.4	20.8	DX2-010(S)
	25.4	26.5	27.2	27.7	27.9	27.9	27.7	27.3	26.9	26.3	25.7	24.9	DX2-012(S)
	31.8	33.1	34.0	34.6	34.8	34.8	34.6	34.2	33.6	32.9	32.1	31.1	DX2-015(S)
	46.6	48.6	49.9	50.7	51.2	51.0	50.7	50.2	49.3	48.3	47.1	45.8	DX2-022S
	53.0	55.2	56.7	57.7	58.1	58.1	57.7	57.0	56.0	54.8	53.5	51.9	DX2-025S
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	DX2-008(S)
	20.3	21.6	22.6	23.2	23.5	23.7	23.7	23.6	23.3	23.0	22.5	22.0	DX2-010(S)
	24.4	25.9	27.0	27.8	28.2	28.4	28.4	28.3	28.0	27.5	27.0	26.4	DX2-012(S)
	30.5	32.4	33.8	34.7	35.3	35.6	35.6	35.4	35.0	34.4	33.7	33.0	DX2-015(S)
	44.8	47.6	49.6	50.9	51.8	52.1	52.1	51.9	51.4	50.5	49.5	48.3	DX2-022S
	50.8	54.1	56.4	57.9	58.9	59.3	59.3	59.0	58.3	57.4	56.3	54.9	DX2-025S
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	DX2-008(S)
	18.7	20.5	21.8	22.7	23.4	23.7	24.0	24.0	23.8	23.6	23.2	22.8	DX2-010(S)
	22.4	24.6	26.1	27.3	28.0	28.5	28.7	28.7	28.6	28.3	27.9	27.3	DX2-012(S)
	28.0	30.7	32.7	34.1	35.0	35.6	35.9	35.9	35.7	35.3	34.8	34.2	DX2-015(S)
	41.0	45.0	48.0	50.1	51.4	52.3	52.7	52.7	52.5	51.9	51.0	50.2	DX2-022S
	46.7	51.2	54.5	56.8	58.4	59.4	59.8	59.9	59.6	58.9	58.1	57.0	DX2-025S



D A T A S H E E T

Condensing Temperature (°C)	R404A			Extended Capacity (kW)									Valve Model
				Evaporating Temperature (°C)									
	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	DX2-008(S)
	16.0	18.6	20.4	21.7	22.7	23.3	23.7	23.9	24.0	23.8	23.6	23.3	DX2-010(S)
	19.2	22.3	24.5	26.1	27.2	28.0	28.4	28.7	28.7	28.6	28.3	27.9	DX2-012(S)
	24.0	27.8	30.6	32.6	34.0	35.0	35.5	35.8	35.9	35.7	35.4	34.9	DX2-015(S)
	35.2	40.8	44.9	47.9	49.9	51.4	52.1	52.6	52.7	52.4	51.9	51.2	DX2-022S
	40.0	46.4	51.0	54.3	56.7	58.3	59.3	59.8	59.8	59.5	58.9	58.1	DX2-025S
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	DX2-008(S)
	11.7	15.6	18.3	20.1	21.5	22.4	23.1	23.5	23.7	23.7	23.6	23.4	DX2-010(S)
	14.0	18.7	21.9	24.2	25.8	26.9	27.7	28.1	28.4	28.4	28.3	28.0	DX2-012(S)
	17.5	23.5	27.4	30.2	32.2	33.6	34.6	35.2	35.5	35.5	35.4	35.0	DX2-015(S)
	25.7	34.4	40.2	44.3	47.2	49.3	50.7	51.6	52.0	52.1	51.9	51.4	DX2-022S
	29.2	39.1	45.7	50.4	53.7	56.1	57.7	58.7	59.1	59.2	59.0	58.4	DX2-025S
20		8.8	12.1	14.2	15.7	16.8	17.6	18.0	18.4	18.5	18.6	18.5	DX2-008(S)
		11.0	15.1	17.8	19.7	21.0	22.0	22.6	23.0	23.2	23.3	23.2	DX2-010(S)
		13.2	18.1	21.3	23.6	25.2	26.4	27.1	27.6	27.9	27.9	27.8	DX2-012(S)
		16.5	22.7	26.7	29.5	31.5	33.0	33.9	34.5	34.8	34.9	34.7	DX2-015(S)
		24.2	33.2	39.2	43.3	46.3	48.3	49.7	50.6	51.0	51.2	50.9	DX2-022S
		27.5	37.8	44.5	49.2	52.6	54.9	56.5	57.6	58.1	58.1	57.9	DX2-025S
15			8.1	11.5	13.7	15.2	16.3	17.0	17.6	17.9	18.0	18.0	DX2-008(S)
			10.1	14.4	17.2	19.0	20.4	21.4	22.0	22.4	22.6	22.6	DX2-010(S)
			12.1	17.3	20.6	22.8	24.5	25.6	26.4	26.9	27.1	27.1	DX2-012(S)
			15.1	21.6	25.7	28.6	30.6	32.0	33.0	33.6	33.9	33.9	DX2-015(S)
			22.2	31.7	37.7	41.9	44.9	47.0	48.4	49.3	49.7	49.7	DX2-022S
			25.3	36.0	42.9	47.6	51.0	53.4	55.0	56.0	56.5	56.6	DX2-025S
10				7.2	10.8	13.0	14.6	15.6	16.4	16.9	17.2	17.4	DX2-008(S)
				8.9	13.5	16.3	18.2	19.6	20.5	21.2	21.6	21.8	DX2-010(S)
				10.7	16.2	19.6	21.9	23.5	24.6	25.4	25.9	26.1	DX2-012(S)
				13.4	20.3	24.5	27.3	29.4	30.8	31.7	32.4	32.7	DX2-015(S)
				19.7	29.7	35.9	40.2	43.1	45.2	46.6	47.5	47.9	DX2-022S
				22.4	33.8	40.8	45.6	49.0	51.3	52.9	53.9	54.5	DX2-025S



D A T A S H E E T

Condensing Temperature (°C)	R134a			Extended Capacity (kW)									Valve Model
				Evaporating Temperature (°C)									
	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	DX2-008(S)
	27.4	27.5	27.4	27.2	26.8	26.4	25.9	25.3	24.6	23.9	23.1	22.3	DX2-010(S)
	34.2	34.3	34.2	34.0	33.6	33.0	32.4	31.6	30.8	29.9	28.9	27.9	DX2-012(S)
	41.0	41.2	41.1	40.8	40.3	39.6	38.8	37.9	36.9	35.8	34.7	33.5	DX2-015(S)
	60.2	60.4	60.3	59.7	59.1	58.1	57.0	55.7	54.1	52.6	50.9	49.2	DX2-022S
	68.4	68.6	68.5	67.9	67.1	66.0	64.7	63.2	61.5	59.7	57.8	55.8	DX2-025S
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	DX2-008(S)
	27.2	27.5	27.6	27.5	27.3	27.0	26.6	26.1	25.5	24.9	24.2	23.4	DX2-010(S)
	34.0	34.4	34.5	34.4	34.2	33.8	33.2	32.6	31.9	31.1	30.2	29.3	DX2-012(S)
	40.8	41.2	41.4	41.3	41.0	40.5	39.9	39.1	38.2	37.3	36.2	35.1	DX2-015(S)
	59.8	60.5	60.7	60.5	60.1	59.4	58.5	57.3	56.1	54.7	53.1	51.5	DX2-022S
	68.0	68.7	69.0	68.8	68.3	67.5	66.5	65.2	63.7	62.1	60.4	58.6	DX2-025S
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	DX2-008(S)
	26.5	27.1	27.4	27.5	27.4	27.2	26.9	26.5	26.0	25.5	24.9	24.2	DX2-010(S)
	33.2	33.8	34.2	34.3	34.3	34.0	33.7	33.1	32.5	31.8	31.1	30.2	DX2-012(S)
	39.8	40.6	41.1	41.2	41.1	40.8	40.4	39.8	39.0	38.2	37.3	36.3	DX2-015(S)
	58.4	59.5	60.2	60.5	60.3	60.0	59.2	58.3	57.3	56.0	54.7	53.2	DX2-022S
	66.4	67.7	68.4	68.7	68.6	68.1	67.3	66.3	65.1	63.7	62.1	60.5	DX2-025S
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	DX2-008(S)
	25.4	26.2	26.8	27.1	27.2	27.1	26.9	26.6	26.2	25.8	25.2	24.6	DX2-010(S)
	31.8	32.8	33.4	33.8	34.0	33.9	33.7	33.3	32.8	32.2	31.5	30.8	DX2-012(S)
	38.1	39.3	40.1	40.6	40.7	40.7	40.4	39.9	39.4	38.6	37.8	37.0	DX2-015(S)
	56.0	57.8	58.9	59.5	59.7	59.6	59.3	58.6	57.8	56.7	55.6	54.2	DX2-022S
	63.6	65.6	66.9	67.6	67.9	67.8	67.3	66.6	65.6	64.4	63.1	61.6	DX2-025S
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	DX2-008(S)
	23.8	24.9	25.7	26.2	26.5	26.6	26.6	26.4	26.1	25.8	25.3	24.8	DX2-010(S)
	29.7	31.1	32.1	32.8	33.2	33.3	33.2	33.0	32.7	32.2	31.6	31.0	DX2-012(S)
	35.7	37.4	38.6	39.4	39.8	40.0	39.9	39.6	39.2	38.6	38.0	37.2	DX2-015(S)
	52.4	54.8	56.5	57.8	58.4	58.6	58.5	58.1	57.5	56.7	55.7	54.6	DX2-022S
	59.5	62.3	64.3	65.6	66.3	66.6	66.5	66.0	65.3	64.4	63.3	62.0	DX2-025S
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	DX2-008(S)
	21.5	23.1	24.2	25.0	25.5	25.8	25.9	25.9	25.7	25.5	25.1	24.7	DX2-010(S)
	26.9	28.9	30.3	31.3	31.9	32.3	32.4	32.4	32.2	31.8	31.4	30.8	DX2-012(S)
	32.3	34.6	36.3	37.5	38.3	38.7	38.9	38.8	38.6	38.2	37.6	37.0	DX2-015(S)
	47.3	50.8	53.4	55.0	56.2	56.9	57.1	57.0	56.7	56.0	55.2	54.2	DX2-022S
	53.8	57.7	60.6	62.5	63.8	64.6	64.8	64.7	64.3	63.6	62.7	61.7	DX2-025S



DATA SHEET

Condensing Temperature (°C)	R134a			Extended Capacity (kW)									Valve Model
				Evaporating Temperature (°C)									
	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	DX2-008(S)
	18.5	20.7	22.2	23.4	24.1	24.7	24.9	25.1	25.0	24.9	24.6	24.3	DX2-010(S)
	23.1	25.8	27.8	29.2	30.2	30.8	31.2	31.3	31.3	31.1	30.8	30.3	DX2-012(S)
	27.7	31.0	33.4	35.0	36.2	37.0	37.4	37.6	37.5	37.3	36.9	36.4	DX2-015(S)
	40.6	45.4	49.0	51.4	53.1	54.2	54.9	55.1	55.0	54.7	54.1	53.4	DX2-022S
	46.2	51.7	55.6	58.4	60.4	61.6	62.4	62.6	62.6	62.2	61.5	60.6	DX2-025S
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	DX2-008(S)
	14.2	17.4	19.6	21.2	22.3	23.1	23.6	23.9	24.0	24.0	23.8	23.6	DX2-010(S)
	17.7	21.8	24.6	26.5	27.9	28.9	29.5	29.9	30.0	30.0	29.8	29.5	DX2-012(S)
	21.3	26.1	29.5	31.8	33.5	34.7	35.4	35.9	36.0	36.0	35.7	35.4	DX2-015(S)
	31.2	38.4	43.2	46.6	49.2	50.8	51.9	52.6	52.8	52.8	52.5	51.9	DX2-022S
	35.5	43.6	49.1	53.0	55.8	57.8	59.0	59.8	60.0	60.0	59.6	59.0	DX2-025S
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	DX2-008(S)
	6.8	12.8	16.2	18.4	20.0	21.1	21.9	22.4	22.7	22.8	22.8	22.6	DX2-010(S)
	8.4	16.1	20.2	23.1	25.0	26.4	27.4	28.0	28.4	28.5	28.5	28.3	DX2-012(S)
	10.1	19.3	24.3	27.7	30.0	31.7	32.9	33.6	34.0	34.2	34.2	34.0	DX2-015(S)
	14.9	28.3	35.6	40.6	44.0	46.5	48.2	49.3	49.9	50.2	50.2	49.8	DX2-022S
	16.9	32.1	40.5	46.1	50.1	52.8	54.8	56.0	56.7	57.0	56.9	56.6	DX2-025S
20		2.9	9.0	11.8	13.6	14.9	15.8	16.4	16.8	17.1	17.1	17.1	DX2-008(S)
		3.6	11.2	14.8	17.1	18.7	19.8	20.5	21.0	21.3	21.4	21.4	DX2-010(S)
		4.5	14.0	18.4	21.3	23.3	24.7	25.7	26.3	26.6	26.8	26.8	DX2-012(S)
		5.4	16.8	22.1	25.6	28.0	29.7	30.8	31.5	32.0	32.1	32.1	DX2-015(S)
		7.9	24.6	32.5	37.5	41.0	43.5	45.2	46.3	46.9	47.2	47.1	DX2-022S
		9.0	28.0	36.9	42.6	46.6	49.4	51.3	52.6	53.3	53.6	53.5	DX2-025S
15				7.4	10.5	12.4	13.7	14.6	15.2	15.6	15.8	15.9	DX2-008(S)
				9.2	13.1	15.5	17.1	18.2	19.0	19.5	19.8	19.9	DX2-010(S)
				11.5	16.3	19.3	21.4	22.8	23.7	24.4	24.7	24.9	DX2-012(S)
				13.8	19.6	23.2	25.6	27.3	28.5	29.2	29.7	29.8	DX2-015(S)
				20.2	28.7	34.0	37.6	40.0	41.8	42.9	43.5	43.8	DX2-022S
				23.0	32.7	38.6	42.7	45.5	47.5	48.7	49.4	49.7	DX2-025S
10					5.2	8.8	10.9	12.2	13.2	13.8	14.2	14.4	DX2-008(S)
					6.5	11.0	13.6	15.3	16.5	17.2	17.8	18.1	DX2-010(S)
					8.1	13.8	17.0	19.1	20.6	21.6	22.2	22.6	DX2-012(S)
					9.7	16.6	20.4	23.0	24.7	25.9	26.6	27.1	DX2-015(S)
					14.2	24.3	29.9	33.7	36.2	38.0	39.1	39.7	DX2-022S
					16.2	27.6	34.0	38.3	41.1	43.1	44.4	45.1	DX2-025S



D A T A S H E E T

Condensing Temperature (°C)	R448A			Extended Capacity (kW)									Valve Model
				Evaporating Temperature (°C)									
	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	DX2-008(S)
	30.9	31.3	31.4	31.4	31.2	30.9	30.5	29.9	29.3	28.6	27.8	26.9	DX2-010(S)
	37.1	37.6	37.7	37.7	37.5	37.1	36.5	35.9	35.1	34.3	33.4	32.3	DX2-012(S)
	46.5	47.0	47.2	47.1	46.9	46.4	45.7	44.9	43.9	42.9	41.7	40.4	DX2-015(S)
	68.1	68.9	69.2	69.1	68.6	68.0	67.0	65.8	64.5	62.8	61.2	59.3	DX2-022S
	77.4	78.3	78.6	78.6	78.1	77.3	76.2	74.8	73.2	71.4	69.5	67.4	DX2-025S
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	DX2-008(S)
	31.7	32.3	32.6	32.8	32.8	32.6	32.2	31.8	31.3	30.6	29.9	29.2	DX2-010(S)
	38.1	38.8	39.2	39.4	39.3	39.1	38.7	38.2	37.5	36.8	35.9	35.0	DX2-012(S)
	47.6	48.5	49.0	49.2	49.1	48.9	48.4	47.7	46.9	46.0	44.9	43.8	DX2-015(S)
	69.7	71.1	71.8	72.2	72.1	71.6	71.0	70.0	68.8	67.4	65.9	64.1	DX2-022S
	79.4	80.8	81.6	82.0	81.9	81.4	80.6	79.5	78.2	76.6	74.8	72.9	DX2-025S
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	DX2-008(S)
	31.8	32.6	33.2	33.5	33.7	33.6	33.4	33.1	32.7	32.1	31.5	30.8	DX2-010(S)
	38.1	39.2	39.8	40.2	40.4	40.4	40.1	39.7	39.2	38.6	37.8	37.0	DX2-012(S)
	47.7	49.0	49.8	50.3	50.5	50.5	50.2	49.7	49.0	48.2	47.3	46.3	DX2-015(S)
	69.9	71.7	73.0	73.8	74.0	74.0	73.6	72.8	71.9	70.7	69.4	67.9	DX2-022S
	79.5	81.6	83.0	83.9	84.2	84.1	83.6	82.8	81.7	80.4	78.8	77.1	DX2-025S
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	DX2-008(S)
	31.1	32.3	33.1	33.7	34.0	34.1	34.1	33.9	33.6	33.2	32.6	32.0	DX2-010(S)
	37.4	38.8	39.8	40.4	40.8	41.0	40.9	40.7	40.3	39.8	39.2	38.4	DX2-012(S)
	46.7	48.5	49.7	50.6	51.1	51.3	51.2	50.9	50.4	49.8	49.0	48.0	DX2-015(S)
	68.5	71.1	72.9	74.1	74.9	75.1	75.0	74.6	73.9	72.9	71.7	70.4	DX2-022S
	77.9	80.8	82.9	84.3	85.1	85.4	85.3	84.8	84.0	82.9	81.6	80.0	DX2-025S
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	DX2-008(S)
	29.8	31.3	32.5	33.3	33.9	34.2	34.3	34.3	34.1	33.7	33.3	32.8	DX2-010(S)
	35.8	37.7	39.0	40.0	40.7	41.0	41.2	41.1	40.9	40.5	40.0	39.3	DX2-012(S)
	44.7	47.1	48.8	50.0	50.9	51.3	51.5	51.4	51.1	50.6	50.0	49.2	DX2-015(S)
	65.6	69.0	71.5	73.4	74.6	75.2	75.6	75.4	74.9	74.1	73.3	72.1	DX2-022S
	74.6	78.4	81.3	83.4	84.8	85.5	85.8	85.7	85.2	84.3	83.3	82.0	DX2-025S
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	DX2-008(S)
	27.7	29.8	31.3	32.4	33.2	33.8	34.1	34.1	34.1	33.9	33.6	33.1	DX2-010(S)
	33.3	35.7	37.6	38.9	39.9	40.5	40.9	41.0	40.9	40.7	40.3	39.8	DX2-012(S)
	41.6	44.7	47.0	48.7	49.9	50.7	51.1	51.3	51.2	50.9	50.4	49.7	DX2-015(S)
	61.1	65.5	68.9	71.4	73.2	74.4	74.9	75.1	75.0	74.6	73.8	72.9	DX2-022S
	69.4	74.5	78.3	81.1	83.1	84.5	85.2	85.4	85.3	84.8	83.9	82.9	DX2-025S



D A T A S H E E T

Condensing Temperature (°C)	R448A			Extended Capacity (kW)									Valve Model
				Evaporating Temperature (°C)									
	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	DX2-008(S)
	24.8	27.5	29.5	31.0	32.1	32.9	33.4	33.7	33.7	33.7	33.4	33.1	DX2-010(S)
	29.7	33.0	35.4	37.2	38.5	39.5	40.1	40.4	40.5	40.4	40.1	39.8	DX2-012(S)
	37.1	41.2	44.3	46.5	48.2	49.3	50.1	50.5	50.6	50.5	50.2	49.7	DX2-015(S)
	54.5	60.4	64.9	68.2	70.6	72.3	73.5	74.0	74.3	74.0	73.6	72.8	DX2-022S
	61.9	68.7	73.7	77.5	80.3	82.2	83.5	84.2	84.4	84.2	83.7	82.9	DX2-025S
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	DX2-008(S)
	20.5	24.3	26.9	29.0	30.4	31.5	32.2	32.7	33.0	33.0	33.0	32.8	DX2-010(S)
	24.7	29.1	32.4	34.7	36.5	37.8	38.7	39.3	39.6	39.7	39.6	39.3	DX2-012(S)
	30.8	36.4	40.5	43.5	45.7	47.3	48.4	49.1	49.5	49.6	49.5	49.2	DX2-015(S)
	45.2	53.5	59.3	63.7	67.0	69.3	71.0	72.1	72.6	72.7	72.6	72.1	DX2-022S
	51.4	60.7	67.4	72.4	76.1	78.8	80.7	81.9	82.5	82.7	82.5	82.0	DX2-025S
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	DX2-008(S)
	14.2	19.9	23.6	26.2	28.2	29.6	30.7	31.4	31.9	32.1	32.2	32.1	DX2-010(S)
	17.0	23.8	28.3	31.5	33.8	35.6	36.8	37.7	38.2	38.5	38.6	38.5	DX2-012(S)
	21.3	29.8	35.4	39.4	42.3	44.5	46.1	47.1	47.8	48.2	48.3	48.1	DX2-015(S)
	31.2	43.7	51.9	57.8	62.0	65.2	67.5	69.1	70.1	70.6	70.7	70.5	DX2-022S
	35.5	49.7	58.9	65.6	70.5	74.1	76.7	78.6	79.7	80.3	80.4	80.2	DX2-025S
15		10.6	15.2	18.2	20.3	21.8	23.0	23.8	24.3	24.6	24.9	24.9	DX2-008(S)
		13.1	19.0	22.7	25.3	27.2	28.6	29.6	30.3	30.8	31.0	31.0	DX2-010(S)
		15.8	22.8	27.2	30.4	32.7	34.4	35.6	36.4	36.9	37.2	37.3	DX2-012(S)
		19.8	28.4	34.0	38.0	40.9	43.0	44.5	45.5	46.2	46.5	46.6	DX2-015(S)
		28.9	41.7	49.9	55.7	60.0	63.0	65.2	66.8	67.8	68.2	68.3	DX2-022S
		32.9	47.4	56.7	63.3	68.1	71.6	74.2	75.9	77.0	77.5	77.7	DX2-025S
10			9.5	14.3	17.3	19.4	20.9	22.0	22.8	23.3	23.6	23.8	DX2-008(S)
			11.8	17.8	21.6	24.2	26.1	27.5	28.4	29.1	29.5	29.7	DX2-010(S)
			14.2	21.4	25.9	29.0	31.3	32.9	34.1	34.9	35.4	35.6	DX2-012(S)
			17.7	26.8	32.4	36.3	39.1	41.2	42.7	43.6	44.3	44.6	DX2-015(S)
			26.1	39.3	47.4	53.2	57.4	60.4	62.5	64.0	64.9	65.3	DX2-022S
			29.6	44.6	54.0	60.5	65.2	68.7	71.1	72.7	73.8	74.3	DX2-025S



DX2 Stepper Motor Driven Electronic Expansion Valve

Cooling Controls

DATA SHEET

Condensing Temperature (°C)	R449A			Extended Capacity (kW)									Valve Model
				Evaporating Temperature (°C)									
	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	DX2-008(S)
	30.3	30.6	30.8	30.7	30.5	30.2	29.7	29.2	28.6	27.8	27.1	26.2	DX2-010(S)
	36.4	36.8	36.9	36.9	36.7	36.2	35.7	35.1	34.3	33.4	32.5	31.5	DX2-012(S)
	45.5	46.0	46.2	46.1	45.8	45.3	44.6	43.8	42.9	41.8	40.6	39.4	DX2-015(S)
	66.7	67.4	67.8	67.7	67.2	66.4	65.5	64.4	62.9	61.3	59.6	57.8	DX2-022S
	75.8	76.6	76.9	76.8	76.3	75.5	74.4	73.0	71.4	69.6	67.7	65.6	DX2-025S
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	DX2-008(S)
	31.0	31.6	31.9	32.1	32.1	31.9	31.5	31.1	30.5	29.9	29.2	28.4	DX2-010(S)
	37.3	38.0	38.4	38.5	38.5	38.2	37.8	37.3	36.7	35.9	35.1	34.1	DX2-012(S)
	46.6	47.5	48.0	48.2	48.1	47.8	47.3	46.6	45.8	44.9	43.8	42.7	DX2-015(S)
	68.4	69.6	70.4	70.6	70.5	70.1	69.4	68.4	67.2	65.8	64.2	62.6	DX2-022S
	77.7	79.1	79.9	80.2	80.1	79.7	78.8	77.7	76.4	74.8	73.0	71.1	DX2-025S
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	DX2-008(S)
	31.1	31.9	32.5	32.8	33.0	32.9	32.7	32.4	31.9	31.4	30.8	30.1	DX2-010(S)
	37.4	38.4	39.1	39.4	39.6	39.5	39.3	38.9	38.4	37.7	37.0	36.1	DX2-012(S)
	46.7	47.9	48.8	49.3	49.5	49.4	49.1	48.6	47.9	47.1	46.2	45.2	DX2-015(S)
	68.5	70.3	71.6	72.3	72.6	72.5	72.1	71.3	70.3	69.1	67.8	66.2	DX2-022S
	77.8	79.9	81.3	82.1	82.4	82.3	81.8	81.0	79.9	78.5	77.0	75.3	DX2-025S
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	DX2-008(S)
	30.5	31.7	32.5	33.0	33.3	33.4	33.4	33.2	32.9	32.4	31.9	31.3	DX2-010(S)
	36.6	38.0	39.0	39.7	40.0	40.2	40.1	39.9	39.4	38.9	38.3	37.5	DX2-012(S)
	45.8	47.5	48.7	49.6	50.0	50.2	50.1	49.8	49.3	48.7	47.9	46.9	DX2-015(S)
	67.1	69.6	71.5	72.7	73.4	73.6	73.5	73.0	72.4	71.4	70.2	68.9	DX2-022S
	76.3	79.2	81.2	82.6	83.3	83.7	83.5	83.0	82.2	81.1	79.8	78.2	DX2-025S
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	DX2-008(S)
	29.2	30.7	31.9	32.7	33.2	33.5	33.6	33.5	33.3	33.0	32.6	32.0	DX2-010(S)
	35.0	36.9	38.2	39.2	39.9	40.2	40.4	40.3	40.0	39.6	39.1	38.5	DX2-012(S)
	43.8	46.1	47.8	49.0	49.8	50.3	50.4	50.3	50.0	49.5	48.9	48.1	DX2-015(S)
	64.2	67.7	70.1	71.9	73.0	73.7	74.0	73.8	73.4	72.6	71.7	70.5	DX2-022S
	73.0	76.8	79.7	81.7	83.0	83.8	84.0	83.9	83.3	82.5	81.5	80.1	DX2-025S
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	DX2-008(S)
	27.1	29.1	30.6	31.8	32.6	33.1	33.4	33.4	33.4	33.2	32.8	32.4	DX2-010(S)
	32.6	35.0	36.8	38.2	39.1	39.7	40.1	40.2	40.1	39.8	39.4	38.9	DX2-012(S)
	40.7	43.7	46.0	47.7	48.9	49.6	50.1	50.2	50.1	49.8	49.3	48.6	DX2-015(S)
	59.7	64.1	67.4	70.0	71.7	72.8	73.5	73.7	73.5	73.0	72.3	71.4	DX2-022S
	67.8	72.9	76.7	79.5	81.4	82.7	83.4	83.7	83.5	83.0	82.2	81.1	DX2-025S



D A T A S H E E T

Condensing Temperature (°C)	R449A			Extended Capacity (kW)									Valve Model
				Evaporating Temperature (°C)									
	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	DX2-008(S)
	24.1	26.9	28.9	30.4	31.4	32.2	32.7	33.0	33.0	33.0	32.8	32.4	DX2-010(S)
	29.0	32.2	34.6	36.4	37.8	38.7	39.3	39.6	39.7	39.6	39.3	38.9	DX2-012(S)
	36.3	40.3	43.3	45.5	47.2	48.3	49.0	49.5	49.6	49.5	49.1	48.7	DX2-015(S)
	53.1	59.1	63.5	66.8	69.2	70.8	71.9	72.6	72.7	72.6	72.1	71.4	DX2-022S
	60.4	67.1	72.2	75.9	78.6	80.5	81.8	82.4	82.6	82.4	81.9	81.1	DX2-025S
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	DX2-008(S)
	20.0	23.7	26.3	28.3	29.8	30.8	31.6	32.1	32.3	32.4	32.3	32.1	DX2-010(S)
	24.0	28.4	31.7	34.0	35.8	37.1	37.9	38.5	38.8	38.9	38.8	38.5	DX2-012(S)
	29.9	35.5	39.6	42.5	44.7	46.3	47.4	48.1	48.5	48.6	48.5	48.2	DX2-015(S)
	43.9	52.1	58.0	62.4	65.6	67.9	69.5	70.6	71.2	71.3	71.2	70.6	DX2-022S
	49.9	59.2	65.9	70.8	74.5	77.2	79.0	80.2	80.8	81.0	80.8	80.2	DX2-025S
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	DX2-008(S)
	13.5	19.3	23.0	25.6	27.6	29.0	30.0	30.8	31.2	31.5	31.5	31.4	DX2-010(S)
	16.3	23.1	27.6	30.8	33.1	34.9	36.1	36.9	37.5	37.8	37.8	37.7	DX2-012(S)
	20.3	28.9	34.5	38.5	41.4	43.5	45.1	46.2	46.8	47.2	47.3	47.1	DX2-015(S)
	29.8	42.4	50.6	56.4	60.7	63.9	66.1	67.8	68.8	69.2	69.3	69.2	DX2-022S
	33.9	48.2	57.5	64.1	69.0	72.6	75.2	76.9	78.1	78.7	78.8	78.6	DX2-025S
15		10.0	14.7	17.7	19.8	21.3	22.5	23.3	23.8	24.2	24.3	24.4	DX2-008(S)
		12.5	18.4	22.1	24.7	26.7	28.0	29.1	29.7	30.2	30.4	30.4	DX2-010(S)
		15.0	22.1	26.5	29.7	32.0	33.7	34.9	35.7	36.2	36.5	36.5	DX2-012(S)
		18.7	27.6	33.2	37.1	40.0	42.1	43.6	44.6	45.2	45.6	45.6	DX2-015(S)
		27.5	40.5	48.6	54.5	58.6	61.7	63.9	65.5	66.3	66.9	67.0	DX2-022S
		31.2	45.9	55.2	61.8	66.6	70.1	72.6	74.4	75.4	76.0	76.1	DX2-025S
10			8.9	13.8	16.8	18.9	20.4	21.5	22.3	22.8	23.1	23.3	DX2-008(S)
			11.1	17.2	21.0	23.6	25.5	26.9	27.8	28.5	28.9	29.1	DX2-010(S)
			13.4	20.7	25.2	28.4	30.6	32.3	33.4	34.2	34.7	34.9	DX2-012(S)
			16.7	25.9	31.5	35.4	38.3	40.3	41.8	42.7	43.4	43.7	DX2-015(S)
			24.5	38.0	46.2	51.9	56.1	59.2	61.3	62.7	63.6	64.0	DX2-022S
			27.8	43.1	52.5	59.0	63.8	67.2	69.6	71.2	72.3	72.7	DX2-025S



D A T A S H E E T

Condensing Temperature (°C)	R507A			Extended Capacity (kW)									Valve Model
				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	DX2-008(S)
	18.7	18.8	18.7	18.5	18.2	17.7	17.2	16.6	15.9	15.2	14.4	13.6	DX2-010(S)
	22.5	22.6	22.5	22.2	21.8	21.3	20.6	19.9	19.1	18.2	17.3	16.3	DX2-012(S)
	28.1	28.2	28.1	27.7	27.2	26.6	25.8	24.9	23.8	22.7	21.5	20.3	DX2-015(S)
	41.1	41.4	41.1	40.7	39.9	38.9	37.8	36.4	35.0	33.3	31.6	29.8	DX2-022S
	46.8	47.0	46.8	46.3	45.4	44.3	42.9	41.4	39.7	37.9	35.9	33.9	DX2-025S
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	DX2-008(S)
	20.2	20.5	20.6	20.5	20.3	20.0	19.6	19.1	18.5	17.8	17.1	16.3	DX2-010(S)
	24.2	24.6	24.7	24.7	24.4	24.0	23.5	22.9	22.2	21.4	20.5	19.6	DX2-012(S)
	30.2	30.7	30.9	30.8	30.5	30.0	29.4	28.6	27.7	26.7	25.7	24.5	DX2-015(S)
	44.3	45.0	45.2	45.1	44.7	44.0	43.1	41.9	40.7	39.2	37.6	36.0	DX2-022S
	50.4	51.2	51.4	51.3	50.8	50.0	49.0	47.7	46.2	44.6	42.8	40.9	DX2-025S
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	DX2-008(S)
	20.8	21.4	21.7	21.9	21.8	21.7	21.4	21.0	20.5	19.9	19.2	18.6	DX2-010(S)
	25.0	25.7	26.1	26.2	26.2	26.0	25.6	25.1	24.5	23.9	23.1	22.2	DX2-012(S)
	31.2	32.1	32.6	32.8	32.7	32.4	32.0	31.4	30.6	29.8	28.8	27.8	DX2-015(S)
	45.8	47.1	47.7	48.1	48.0	47.6	46.9	46.1	44.9	43.7	42.2	40.8	DX2-022S
	52.0	53.5	54.3	54.6	54.5	54.1	53.3	52.3	51.1	49.6	48.1	46.3	DX2-025S
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	DX2-008(S)
	20.8	21.7	22.2	22.6	22.7	22.7	22.6	22.3	21.9	21.4	20.9	20.3	DX2-010(S)
	24.9	26.0	26.7	27.1	27.3	27.3	27.1	26.7	26.2	25.7	25.0	24.3	DX2-012(S)
	31.1	32.4	33.3	33.9	34.1	34.0	33.8	33.4	32.8	32.1	31.3	30.3	DX2-015(S)
	45.7	47.6	48.8	49.6	49.9	49.9	49.6	49.0	48.1	47.1	45.9	44.4	DX2-022S
	51.9	54.1	55.5	56.4	56.8	56.7	56.3	55.6	54.7	53.5	52.1	50.6	DX2-025S
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	DX2-008(S)
	20.0	21.2	22.2	22.8	23.1	23.3	23.3	23.1	22.9	22.5	22.0	21.5	DX2-010(S)
	24.0	25.5	26.6	27.3	27.7	27.9	27.9	27.7	27.4	27.0	26.4	25.8	DX2-012(S)
	29.9	31.8	33.2	34.1	34.6	34.9	34.9	34.7	34.3	33.7	33.0	32.2	DX2-015(S)
	43.9	46.8	48.6	50.1	50.8	51.2	51.2	50.8	50.3	49.5	48.4	47.3	DX2-022S
	49.9	53.1	55.3	56.8	57.8	58.2	58.1	57.8	57.1	56.2	55.0	53.7	DX2-025S
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	DX2-008(S)
	18.4	20.2	21.5	22.4	23.0	23.4	23.6	23.6	23.4	23.2	22.8	22.4	DX2-010(S)
	22.1	24.2	25.8	26.9	27.6	28.0	28.3	28.3	28.1	27.8	27.4	26.9	DX2-012(S)
	27.6	30.2	32.2	33.6	34.5	35.0	35.3	35.3	35.1	34.7	34.2	33.5	DX2-015(S)
	40.5	44.3	47.2	49.2	50.6	51.4	51.7	51.8	51.5	50.9	50.2	49.2	DX2-022S
	46.0	50.4	53.6	55.9	57.5	58.4	58.8	58.8	58.5	57.9	57.0	55.9	DX2-025S



D A T A S H E E T

Condensing Temperature (°C)	R507A			Extended Capacity (kW)									Valve Model
				Evaporating Temperature (°C)									
	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	DX2-008(S)
	15.9	18.4	20.2	21.5	22.4	23.0	23.4	23.6	23.6	23.5	23.2	22.9	DX2-010(S)
	19.0	22.0	24.2	25.8	26.9	27.6	28.1	28.3	28.3	28.2	27.9	27.5	DX2-012(S)
	23.7	27.5	30.2	32.2	33.6	34.5	35.1	35.3	35.4	35.2	34.8	34.3	DX2-015(S)
	34.8	40.4	44.3	47.2	49.2	50.6	51.5	51.8	51.8	51.6	51.0	50.3	DX2-022S
	39.6	45.9	50.4	53.6	55.9	57.5	58.5	58.9	59.0	58.6	58.0	57.2	DX2-025S
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	DX2-008(S)
	11.7	15.5	18.1	19.9	21.2	22.2	22.8	23.2	23.4	23.4	23.3	23.1	DX2-010(S)
	14.0	18.6	21.7	23.9	25.5	26.6	27.4	27.8	28.0	28.1	28.0	27.7	DX2-012(S)
	17.5	23.3	27.1	29.9	31.8	33.3	34.2	34.8	35.0	35.1	34.9	34.5	DX2-015(S)
	25.6	34.1	39.8	43.8	46.8	48.7	50.2	51.0	51.4	51.5	51.2	50.7	DX2-022S
	29.1	38.8	45.2	49.8	53.1	55.4	57.0	57.9	58.4	58.5	58.2	57.6	DX2-025S
20		8.8	12.0	14.1	15.6	16.7	17.4	17.9	18.2	18.4	18.4	18.3	DX2-008(S)
		11.0	15.0	17.7	19.5	20.8	21.8	22.4	22.8	23.0	23.0	22.9	DX2-010(S)
		13.2	18.1	21.2	23.4	25.0	26.1	26.9	27.3	27.6	27.6	27.5	DX2-012(S)
		16.5	22.5	26.5	29.3	31.2	32.6	33.6	34.2	34.4	34.5	34.3	DX2-015(S)
		24.2	33.0	38.8	42.9	45.8	47.9	49.3	50.1	50.5	50.6	50.3	DX2-022S
		27.5	37.6	44.1	48.8	52.1	54.4	56.0	56.9	57.4	57.5	57.2	DX2-025S
15			8.1	11.5	13.7	15.2	16.2	16.9	17.5	17.8	17.9	17.9	DX2-008(S)
			10.2	14.4	17.0	18.9	20.3	21.2	21.8	22.2	22.4	22.4	DX2-010(S)
			12.2	17.3	20.5	22.7	24.3	25.4	26.2	26.6	26.9	26.9	DX2-012(S)
			15.2	21.5	25.6	28.3	30.4	31.8	32.7	33.3	33.6	33.6	DX2-015(S)
			22.3	31.6	37.5	41.6	44.4	46.5	48.0	48.7	49.2	49.3	DX2-022S
			25.4	35.9	42.6	47.3	50.6	52.9	54.5	55.5	55.9	56.0	DX2-025S
10				7.3	10.8	13.0	14.5	15.6	16.3	16.8	17.1	17.3	DX2-008(S)
				9.1	13.5	16.3	18.2	19.5	20.4	21.0	21.4	21.6	DX2-010(S)
				10.9	16.3	19.5	21.8	23.4	24.5	25.2	25.7	25.9	DX2-012(S)
				13.6	20.3	24.4	27.2	29.2	30.6	31.5	32.1	32.4	DX2-015(S)
				20.0	29.8	35.8	39.9	42.8	44.9	46.2	47.1	47.5	DX2-022S
				22.7	33.8	40.7	45.4	48.7	51.0	52.6	53.5	54.0	DX2-025S



DX2 Stepper Motor Driven Electronic Expansion Valve

Cooling Controls

D A T A S H E E T

Condensing Temperature (°C)	R450A			Extended Capacity (kW)									Valve Model
				Evaporating Temperature (°C)									
	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	DX2-008(S)
	23.7	23.9	23.9	23.7	23.4	23.0	22.5	21.9	21.3	20.6	19.9	19.1	DX2-010(S)
	28.5	28.7	28.6	28.4	28.1	27.6	27.0	26.3	25.6	24.7	23.9	22.9	DX2-012(S)
	35.7	35.9	35.8	35.5	35.1	34.5	33.7	32.9	32.0	30.9	29.8	28.7	DX2-015(S)
	52.3	52.6	52.6	52.1	51.5	50.6	49.5	48.3	46.9	45.3	43.8	42.1	DX2-022S
	59.5	59.8	59.7	59.3	58.5	57.5	56.3	54.8	53.3	51.5	49.7	47.8	DX2-025S
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	DX2-008(S)
	23.3	23.7	23.8	23.8	23.6	23.3	23.0	22.5	21.9	21.3	20.7	20.0	DX2-010(S)
	28.0	28.4	28.6	28.6	28.4	28.0	27.6	27.0	26.3	25.6	24.8	24.0	DX2-012(S)
	35.0	35.5	35.7	35.7	35.5	35.0	34.4	33.7	32.9	32.0	31.0	30.0	DX2-015(S)
	51.4	52.1	52.5	52.4	52.0	51.4	50.6	49.5	48.3	47.0	45.5	44.0	DX2-022S
	58.4	59.3	59.6	59.6	59.2	58.4	57.4	56.3	54.9	53.4	51.8	50.0	DX2-025S
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	DX2-008(S)
	22.4	23.0	23.4	23.5	23.5	23.4	23.1	22.7	22.3	21.8	21.2	20.6	DX2-010(S)
	26.9	27.7	28.1	28.3	28.3	28.1	27.7	27.3	26.8	26.1	25.4	24.7	DX2-012(S)
	33.7	34.6	35.1	35.3	35.3	35.1	34.7	34.1	33.5	32.7	31.8	30.9	DX2-015(S)
	49.4	50.7	51.5	51.8	51.8	51.5	50.9	50.1	49.1	48.0	46.6	45.3	DX2-022S
	56.2	57.7	58.6	58.9	58.9	58.5	57.8	56.9	55.8	54.5	53.0	51.5	DX2-025S
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	DX2-008(S)
	21.1	22.0	22.6	22.9	23.1	23.1	23.0	22.7	22.4	21.9	21.4	20.9	DX2-010(S)
	25.3	26.4	27.1	27.5	27.7	27.7	27.6	27.2	26.8	26.3	25.7	25.1	DX2-012(S)
	31.6	33.0	33.9	34.4	34.7	34.7	34.4	34.1	33.5	32.9	32.2	31.3	DX2-015(S)
	46.4	48.4	49.7	50.5	50.8	50.8	50.6	49.9	49.2	48.3	47.2	46.0	DX2-022S
	52.7	55.0	56.5	57.4	57.8	57.8	57.4	56.8	55.9	54.8	53.6	52.2	DX2-025S
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	DX2-008(S)
	19.1	20.4	21.3	22.0	22.3	22.5	22.5	22.4	22.1	21.8	21.4	20.9	DX2-010(S)
	23.0	24.5	25.6	26.4	26.8	27.0	27.0	26.8	26.5	26.2	25.7	25.1	DX2-012(S)
	28.7	30.7	32.0	33.0	33.5	33.8	33.8	33.6	33.2	32.7	32.1	31.4	DX2-015(S)
	42.1	45.0	47.0	48.4	49.2	49.5	49.5	49.2	48.7	48.0	47.1	46.1	DX2-022S
	47.9	51.2	53.4	55.0	55.9	56.3	56.3	56.0	55.4	54.5	53.5	52.3	DX2-025S
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	DX2-008(S)
	16.5	18.4	19.7	20.6	21.2	21.6	21.7	21.7	21.6	21.4	21.1	20.7	DX2-010(S)
	19.8	22.0	23.6	24.7	25.4	25.9	26.1	26.1	25.9	25.7	25.3	24.8	DX2-012(S)
	24.8	27.5	29.5	30.9	31.8	32.3	32.6	32.6	32.4	32.1	31.6	31.1	DX2-015(S)
	36.3	40.4	43.3	45.3	46.6	47.4	47.9	47.9	47.6	47.1	46.4	45.5	DX2-022S
	41.3	45.9	49.2	51.5	53.0	53.9	54.4	54.4	54.1	53.5	52.7	51.8	DX2-025S



D A T A S H E E T

Condensing Temperature (°C)	R450A			Extended Capacity (kW)									Valve Model
				Evaporating Temperature (°C)									
	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	DX2-008(S)
	12.7	15.5	17.4	18.7	19.7	20.3	20.6	20.8	20.8	20.7	20.5	20.2	DX2-010(S)
	15.3	18.6	20.9	22.5	23.6	24.3	24.7	25.0	25.0	24.9	24.6	24.3	DX2-012(S)
	19.1	23.3	26.1	28.1	29.5	30.4	31.0	31.2	31.2	31.1	30.8	30.3	DX2-015(S)
	28.1	34.2	38.4	41.3	43.2	44.6	45.4	45.8	45.9	45.5	45.1	44.6	DX2-022S
	31.9	38.8	43.6	46.9	49.2	50.7	51.6	52.0	52.1	51.8	51.3	50.6	DX2-025S
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	DX2-008(S)
	6.2	11.4	14.4	16.3	17.6	18.6	19.2	19.5	19.7	19.7	19.7	19.5	DX2-010(S)
	7.4	13.8	17.3	19.6	21.2	22.3	23.0	23.5	23.7	23.7	23.6	23.4	DX2-012(S)
	9.3	17.2	21.6	24.5	26.5	27.8	28.8	29.3	29.6	29.6	29.5	29.2	DX2-015(S)
	13.5	25.2	31.7	35.9	38.8	40.9	42.2	43.0	43.5	43.5	43.3	42.9	DX2-022S
	15.4	28.7	36.0	40.8	44.2	46.4	48.0	48.9	49.4	49.4	49.2	48.7	DX2-025S
20		2.5	7.9	10.5	12.0	13.1	13.9	14.4	14.7	14.8	14.9	14.8	DX2-008(S)
		3.2	9.9	13.0	15.0	16.4	17.3	17.9	18.3	18.5	18.6	18.5	DX2-010(S)
		3.8	11.9	15.6	18.0	19.7	20.8	21.5	22.0	22.2	22.2	22.2	DX2-012(S)
		4.8	14.9	19.5	22.5	24.6	26.0	26.9	27.5	27.8	27.8	27.7	DX2-015(S)
		6.9	21.9	28.7	33.1	36.1	38.1	39.5	40.4	40.7	40.8	40.7	DX2-022S
		7.9	24.9	32.6	37.6	41.0	43.3	44.9	45.8	46.3	46.4	46.2	DX2-025S
15				6.4	9.1	10.8	12.0	12.7	13.3	13.6	13.7	13.8	DX2-008(S)
				8.0	11.4	13.5	14.9	15.9	16.5	16.9	17.1	17.2	DX2-010(S)
				9.6	13.7	16.2	17.9	19.1	19.8	20.3	20.6	20.6	DX2-012(S)
				12.0	17.2	20.3	22.4	23.9	24.8	25.4	25.7	25.8	DX2-015(S)
				17.6	25.2	29.8	32.9	35.0	36.4	37.3	37.7	37.8	DX2-022S
				20.0	28.6	33.9	37.4	39.8	41.4	42.3	42.9	43.0	DX2-025S
10					4.3	7.6	9.5	10.7	11.5	12.0	12.3	12.5	DX2-008(S)
					5.3	9.5	11.8	13.3	14.3	14.9	15.4	15.6	DX2-010(S)
					6.4	11.4	14.2	15.9	17.1	17.9	18.4	18.7	DX2-012(S)
					8.0	14.3	17.7	19.9	21.4	22.4	23.0	23.4	DX2-015(S)
					11.7	20.9	26.0	29.3	31.5	32.9	33.8	34.3	DX2-022S
					13.3	23.8	29.5	33.3	35.8	37.4	38.4	39.0	DX2-025S



D A T A S H E E T

Condensing Temperature (°C)	R513A			Extended Capacity (kW)									Valve Model
				Evaporating Temperature (°C)									
	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	DX2-008(S)
	21.4	21.5	21.4	21.2	20.9	20.5	19.9	19.3	18.6	17.9	17.2	16.4	DX2-010(S)
	25.7	25.8	25.7	25.4	25.0	24.5	23.9	23.1	22.3	21.5	20.6	19.6	DX2-012(S)
	32.1	32.2	32.1	31.8	31.3	30.6	29.8	28.9	28.0	26.9	25.7	24.6	DX2-015(S)
	47.1	47.3	47.1	46.6	45.9	44.9	43.8	42.5	41.0	39.4	37.7	36.1	DX2-022S
	53.5	53.7	53.5	53.0	52.1	51.0	49.7	48.2	46.5	44.8	42.9	40.9	DX2-025S
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	DX2-008(S)
	21.4	21.8	21.8	21.8	21.6	21.3	20.8	20.3	19.8	19.1	18.4	17.7	DX2-010(S)
	25.7	26.1	26.2	26.1	25.8	25.5	25.0	24.4	23.7	22.9	22.1	21.2	DX2-012(S)
	32.1	32.6	32.7	32.6	32.3	31.9	31.2	30.5	29.6	28.7	27.6	26.5	DX2-015(S)
	47.1	47.7	48.1	47.9	47.4	46.8	45.8	44.7	43.5	42.0	40.5	38.9	DX2-022S
	53.5	54.3	54.5	54.4	53.9	53.1	52.0	50.8	49.3	47.8	46.0	44.2	DX2-025S
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	DX2-008(S)
	21.0	21.5	21.8	22.0	21.9	21.7	21.4	21.0	20.5	20.0	19.4	18.7	DX2-010(S)
	25.1	25.8	26.1	26.3	26.2	26.0	25.7	25.2	24.6	24.0	23.2	22.4	DX2-012(S)
	31.4	32.3	32.7	32.9	32.8	32.5	32.1	31.5	30.8	29.9	29.0	28.0	DX2-015(S)
	46.1	47.3	48.0	48.3	48.2	47.7	47.1	46.2	45.1	43.9	42.6	41.1	DX2-022S
	52.4	53.7	54.5	54.8	54.7	54.2	53.5	52.5	51.3	49.9	48.4	46.7	DX2-025S
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	DX2-008(S)
	20.0	20.9	21.4	21.8	21.9	21.8	21.7	21.4	21.0	20.5	20.0	19.4	DX2-010(S)
	24.0	25.0	25.7	26.0	26.2	26.1	25.9	25.6	25.2	24.6	24.0	23.3	DX2-012(S)
	30.0	31.2	32.1	32.6	32.8	32.7	32.5	32.0	31.5	30.8	30.0	29.1	DX2-015(S)
	44.0	45.9	47.1	47.7	48.1	48.0	47.6	47.0	46.1	45.1	44.0	42.7	DX2-022S
	49.9	52.1	53.4	54.3	54.6	54.5	54.1	53.4	52.4	51.3	49.9	48.5	DX2-025S
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	DX2-008(S)
	18.4	19.7	20.5	21.1	21.5	21.6	21.6	21.4	21.1	20.8	20.3	19.9	DX2-010(S)
	22.1	23.6	24.6	25.3	25.7	25.9	25.8	25.6	25.3	24.9	24.4	23.8	DX2-012(S)
	27.6	29.5	30.8	31.7	32.1	32.3	32.3	32.1	31.7	31.1	30.5	29.7	DX2-015(S)
	40.6	43.3	45.2	46.4	47.2	47.5	47.4	47.1	46.5	45.7	44.8	43.7	DX2-022S
	46.1	49.2	51.3	52.7	53.5	53.9	53.8	53.4	52.8	51.9	50.8	49.6	DX2-025S
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	DX2-008(S)
	16.2	18.0	19.2	20.1	20.7	21.0	21.1	21.1	21.0	20.7	20.4	20.0	DX2-010(S)
	19.4	21.5	23.0	24.1	24.8	25.2	25.3	25.3	25.2	24.9	24.4	24.0	DX2-012(S)
	24.3	26.9	28.8	30.1	31.0	31.5	31.7	31.7	31.5	31.1	30.6	29.9	DX2-015(S)
	35.5	39.5	42.2	44.1	45.4	46.2	46.5	46.4	46.1	45.7	44.9	44.0	DX2-022S
	40.4	44.8	48.0	50.1	51.6	52.4	52.8	52.7	52.4	51.8	50.9	49.9	DX2-025S



D A T A S H E E T

Condensing Temperature (°C)	R513A			Extended Capacity (kW)									Valve Model
				Evaporating Temperature (°C)									
	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	DX2-008(S)
	12.9	15.5	17.3	18.6	19.5	20.1	20.4	20.5	20.5	20.4	20.2	19.9	DX2-010(S)
	15.4	18.6	20.8	22.3	23.3	24.0	24.4	24.6	24.6	24.5	24.2	23.8	DX2-012(S)
	19.3	23.2	26.0	27.9	29.2	30.0	30.6	30.8	30.8	30.6	30.2	29.8	DX2-015(S)
	28.3	34.1	38.1	40.9	42.8	44.1	44.8	45.2	45.2	44.9	44.3	43.7	DX2-022S
	32.1	38.7	43.2	46.4	48.6	50.0	50.9	51.3	51.3	51.0	50.4	49.6	DX2-025S
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	DX2-008(S)
	7.3	12.0	14.7	16.5	17.8	18.7	19.3	19.6	19.8	19.8	19.7	19.5	DX2-010(S)
	8.7	14.3	17.6	19.8	21.3	22.4	23.1	23.5	23.7	23.7	23.6	23.3	DX2-012(S)
	10.9	17.9	22.0	24.8	26.7	28.0	28.9	29.4	29.6	29.7	29.5	29.2	DX2-015(S)
	16.0	26.3	32.3	36.3	39.2	41.1	42.4	43.1	43.5	43.6	43.2	42.8	DX2-022S
	18.1	29.9	36.7	41.3	44.5	46.7	48.1	49.0	49.4	49.4	49.1	48.6	DX2-025S
20		4.4	8.6	10.9	12.4	13.5	14.2	14.7	14.9	15.1	15.1	15.0	DX2-008(S)
		5.6	10.9	13.7	15.6	16.9	17.8	18.4	18.7	18.9	18.9	18.8	DX2-010(S)
		6.7	13.0	16.4	18.7	20.2	21.3	22.0	22.4	22.6	22.7	22.5	DX2-012(S)
		8.3	16.3	20.6	23.4	25.3	26.6	27.5	28.0	28.3	28.3	28.2	DX2-015(S)
		12.2	23.9	30.1	34.3	37.2	39.1	40.4	41.1	41.5	41.6	41.4	DX2-022S
		13.9	27.1	34.2	38.9	42.2	44.4	45.8	46.7	47.1	47.2	47.0	DX2-025S
15			2.1	7.6	10.0	11.5	12.6	13.3	13.8	14.1	14.2	14.2	DX2-008(S)
			2.7	9.5	12.5	14.5	15.8	16.7	17.3	17.7	17.8	17.9	DX2-010(S)
			3.2	11.4	15.0	17.3	18.9	20.0	20.7	21.2	21.4	21.4	DX2-012(S)
			4.0	14.2	18.8	21.7	23.7	25.0	25.9	26.4	26.7	26.8	DX2-015(S)
			5.9	20.9	27.5	31.8	34.8	36.7	38.1	38.8	39.2	39.3	DX2-022S
			6.7	23.7	31.3	36.1	39.4	41.7	43.2	44.1	44.5	44.6	DX2-025S
10					6.2	8.9	10.5	11.6	12.3	12.8	13.1	13.2	DX2-008(S)
					7.8	11.1	13.2	14.5	15.5	16.1	16.4	16.6	DX2-010(S)
					9.4	13.4	15.8	17.4	18.5	19.2	19.7	19.9	DX2-012(S)
					11.7	16.7	19.8	21.8	23.2	24.1	24.6	24.9	DX2-015(S)
					17.2	24.5	28.9	31.9	34.0	35.3	36.1	36.5	DX2-022S
					19.5	27.8	32.9	36.3	38.6	40.1	41.0	41.5	DX2-025S