10, 12HP (28.0kW • 33.5kW)

R410A Blue Fin VTCC

Technical focus

- The KXZ2 series has a layered design and a refined new form
- High efficiency with EER up to 3.86
- VTCC : advanced variable temperature and capacity control
- Total piping length up to 1000m and a maximum height difference between indoor unit is maximum of 30m.
- Wide range of operation.

Uniform footprint of models allows continuous side-by-side installation

FDC280 · 335

■ SPECIFICATIONS

Item		Model	FDC280KXZE2	FDC335KXZE2
Nominal horse power			10HP	12HP
Power source			3 Phase 380-415V, 50Hz	
Nominal capacity	Cooling	kW	28.0	33.5
	Heating		31.5	37.5
Max heating capacity		kW	31.5	37.5
Power consumption	Cooling	kW	7.25	8.98
	Heating		7.41	9.03
EER			3.86	3.73
COP			4.25	4.15
SEER			7.30	7.54
SCOP			4.88	4.68
Exterior dimensions (HxWxD)		mm	1697x1350x720	
Net weight		kg	288	
Sound power level	Cooling	dB(A)	75	82
	Heating		76	81
Sound pressure level	Cooling	dB(A)	56	63
	Heating		57	62
Starting current		A	5	
Max current		A	20.1	
Refrigerant	Type / GWP		R410A / 2088	
	Charge	kg	11.0	
	TCO_2Eq		22.968	
Refrigerant piping size	Liquid	mm (in)	ø9.52(3/8")	ø12.7(1/2")
	Gas		ø22.22(7/8")	ø25.4(1")[ø22.22(7/8")]
Total piping length		m	1000	
Outdoor operating temperature range	Cooling	°CDB	-15–52	
	Heating	°CWB	-20–15.5	
Capacity connection		%	50–200	
Number of connectable indoor units			37	44

1. The data are measured under the following conditions (ISO-T1, H1). Cooling: Indoor temp. of 27°CDB, 19°CWB, and outdoor temp. of 35°CDB. Heating: Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.
2. SEER/SCOP are based on EN14825:2016 and Commission regulation (EU) No.2016/2281. Temperature conditions for calculating SCOP are based on "Average climate".
3. Sound level indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.
4. 'tonne(s) of CO_2 equivalent' means a quantity of greenhouse gases- expressed as the product of the weight of the greenhouse gases in metric tonnes and of their global warming potential.
5. Refrigerant contained in the products is a fluorinated greenhouse gas listed in Regulation (EU) No 517/2014.
6. Refrigerant piping size applicable to European installations are shown in parentheses.

14–20HP (40.0kW – 56.0kW)

R410A Blue Fin VTCC

Technical focus

- The KXZ2 series has a layered design and a refined new form
- High efficiency with EER up to 3.64
- VTCC : advanced variable temperature and capacity control
- Total piping length up to 1000m and a maximum height difference between indoor unit is maximum of 30m.
- Wide range of operation.

Uniform footprint of all models allows continuous side-by-side installation

FDC400–560

■ SPECIFICATIONS

Item		Model	FDC400KXZE2	FDC450KXZE2	FDC475KXZE2	FDC500KXZE2	FDC560KXZE2
Nominal horse power			14HP	16HP	17HP	18HP	20HP
Power source			3 Phase 380-415V, 50Hz				
Nominal capacity	Cooling	kW	40.0	45.0	47.5	50.0	56.0
	Heating		45.0	50.0	53.0	56.0	63.0
Max heating capacity		kW	45.0	50.0	53.0	56.0	63.0
Power consumption	Cooling	kW	10.98	13.98	13.97	14.01	17.50
	Heating		10.23	12.50	12.99	13.56	16.15
EER			3.64	3.22	3.40	3.57	3.20
COP			4.40	4.00	4.08	4.13	3.90
SEER			7.12	7.01	6.84	7.29	6.73
SCOP			4.87	4.36	4.45	4.58	4.30
Exterior dimensions (HxWxD)		mm	2052x1350x720				
Net weight		kg	332		378		
Sound power level	Cooling	dB(A)	80	81	81	81	82
	Heating		82	82	81	82	83
Sound pressure level	Cooling	dB(A)	60	61	61	61	63
	Heating		62	62	61	62	64
Starting current		A	5		8		
Max current		A	32.0		40.2		
Refrigerant	Type / GWP		R410A / 2088				
	Charge	kg	11.5				
	TCO_2Eq		24.012				
Refrigerant piping size	Liquid	mm (in)	ø12.7(1/2")				
	Gas		ø25.4(1")[ø28.58(1·1/8")]	ø28.58(1·1/8")			
Total piping length		m	1000				
Outdoor operating temperature range	Cooling	°CDB	-15–52				
	Heating	°CWB	-20–15.5				
Capacity connection		%	50–200		50–160		
Number of connectable indoor units			53	60	50	53	59

1. The data are measured under the following conditions (ISO-T1, H1). Cooling: Indoor temp. of 27°CDB, 19°CWB, and outdoor temp. of 35°CDB. Heating: Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.
2. SEER/SCOP are based on EN14825:2016 and Commission regulation (EU) No.2016/2281. Temperature conditions for calculating SCOP are based on "Average climate".
3. Sound level indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.
4. 'tonne(s) of CO_2 equivalent' means a quantity of greenhouse gases- expressed as the product of the weight of the greenhouse gases in metric tonnes and of their global warming potential.
5. Refrigerant contained in the products is a fluorinated greenhouse gas listed in Regulation (EU) No 517/2014.
6. Refrigerant piping size applicable to European installations are shown in parentheses.

22–26HP (61.5kW – 73.5kW)

R410A Blue Fin VTCC

Technical focus

- The KXZ2 series has a layered design and a refined new form
- High efficiency with EER up to 3.79
- VTCC : advanced variable temperature and capacity control
- Total piping length up to 1000m and a maximum height difference between indoor unit is maximum of 30m.
- Wide range of operation.

FDC615・670

FDC735

■ SPECIFICATIONS

Item			Model	FDC615KXZE2	FDC670KXZE2	FDC735KXZE2
Combination (FDC)				280KXZE2	335KXZE2	335KXZE2
				335KXZE2	335KXZE2	400KXZE2
Nominal horse power				22HP	24HP	26HP
Power source				3 Phase 380-415V, 50Hz		
Nominal capacity	Cooling	kW		61.5	67.0	73.5
	Heating			69.0	75.0	82.5
Power consumption	Cooling	kW		16.24	17.96	19.96
	Heating			16.44	18.06	19.26
EER				3.79	3.73	3.68
COP				4.20	4.15	4.28
Net weight		kg		576		620
Starting current		A		10		
Max current		A		40.2		52.1
Refrigerant	Type / GWP			R410A / 2088		
	Charge	kg		11.0+11.0		11.0+11.5
Refrigerant piping size	Liquid	mm (in)		ø12.7(1/2")		ø15.88(5/8")
	Gas			ø28.58(1·1/8")		ø31.75(1·1/4") [ø34.92(1·3/8")]
	Oil equalization			ø9.52 (3/8")		
Total piping length		m		1000		
Outdoor operating temperature range	Cooling	°CDB		-15–52		
	Heating	°CWB		-20–15.5		
Capacity connection		%		50–160		
Number of connectable indoor units				65	71	78

1. The data are measured under the following conditions (ISO-T1, H1). Cooling: Indoor temp. of 27°CDB, 19°CWB, and outdoor temp. of 35°CDB. Heating: Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.
2. Sound level indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.
3. Refrigerant piping size applicable to European installations are shown in parentheses.

28–40HP (80.0kW – 112.0kW)

R410A Blue Fin VTCC

Technical focus

- The KXZ2 series has a layered design and a refined new form
- High efficiency with EER up to 3.64
- VTCC : advanced variable temperature and capacity control
- Total piping length up to 1000m and a maximum height difference between indoor unit is maximum of 30m.
- Wide range of operation.

FDC800–1120

■ SPECIFICATIONS

Item			Model	FDC800KXZE2	FDC850KXZE2	FDC900KXZE2	FDC950KXZE2	FDC1000KXZE2	FDC1060KXZE2	FDC1120KXZE2
Combination (FDC)				400KXZE2	400KXZE2	450KXZE2	475KXZE2	500KXZE2	500KXZE2	560KXZE2
				400KXZE2	450KXZE2	450KXZE2	475KXZE2	500KXZE2	560KXZE2	560KXZE2
Nominal horse power				28HP	30HP	32HP	34HP	36HP	38HP	40HP
Power source				3 Phase 380-415V, 50Hz						
Nominal capacity	Cooling	kW		80.0	85.0	90.0	95.0	100.0	106.0	112.0
	Heating			90.0	95.0	100.0	106.0	112.0	119.0	126.0
Power consumption	Cooling	kW		21.96	24.96	27.95	27.94	28.02	31.51	35.00
	Heating			20.45	22.73	25.00	25.98	27.12	29.71	32.31
EER				3.64	3.41	3.22	3.40	3.57	3.36	3.20
COP				4.40	4.18	4.00	4.08	4.13	4.01	3.90
Net weight			kg	664			756			
Starting current			A	10			16			
Max current			A	64.0			80.4			
Refrigerant	Type / GWP			R410A / 2088						
	Charge		kg	11.5+11.5						
Refrigerant piping size	Liquid		mm (in)	ø15.88(5/8")					ø19.05(3/4")	
	Gas			ø31.75(1·1/4") [ø34.92(1·3/8")]				ø38.1(1·1/2") [ø34.92(1·3/8")]		
	Oil equalization			ø9.52 (3/8")						
Total piping length			m	1000						
Outdoor operating temperature range	Cooling	°CDB		-15–52						
	Heating	°CWB		-20–15.5						
Capacity connection			%	50–160				50–130		
Number of connectable indoor units				80						

1. The data are measured under the following conditions (ISO-T1, H1). Cooling: Indoor temp. of 27°CDB, 19°CWB, and outdoor temp. of 35°CDB. Heating: Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.
2. Sound level indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.
3. Refrigerant piping size applicable to European installations are shown in parentheses.

42–50HP (120.0kW – 142.5kW)

R410A Blue Fin VTCC

Technical focus

- The KXZ2 series has a layered design and a refined new form
- High efficiency with EER up to 3.64
- VTCC : advanced variable temperature and capacity control
- Total piping length up to 1000m and a maximum height difference between indoor unit is maximum of 30m.
- Wide range of operation.

FDC1200–1425

■ SPECIFICATIONS

Item		Model	FDC1200KXZE2	FDC1250KXZE2	FDC1300KXZE2	FDC1350KXZE2	FDC1425KXZE2
Combination (FDC)			400KXZE2	400KXZE2	400KXZE2	450KXZE2	475KXZE2
			400KXZE2	400KXZE2	450KXZE2	450KXZE2	475KXZE2
			400KXZE2	450KXZE2	450KXZE2	450KXZE2	475KXZE2
Nominal horse power			42HP	44HP	46HP	48HP	50HP
Power source			3 Phase 380-415V, 50Hz				
Nominal capacity	Cooling	kW	120.0	125.0	130.0	135.0	142.5
	Heating		135.0	140.0	145.0	150.0	159.0
Power consumption	Cooling	kW	32.94	35.94	38.93	41.93	41.91
	Heating		30.68	32.95	35.23	37.50	38.97
EER			3.64	3.48	3.34	3.22	3.40
COP			4.40	4.25	4.12	4.00	4.08
Net weight		kg	996				1134
Starting current		A	15				24
Max current		A	96.0				120.6
Refrigerant	Type / GWP		R410A / 2088				
	Charge	kg	11.5x3				
Refrigerant piping size	Liquid	mm (in)	ø19.05(3/4")				
	Gas		ø38.1(1-1/2") [ø34.92(1-3/8")]				
	Oil equalization		ø9.52 (3/8")				
Total piping length		m	1000				
Outdoor operating temperature range	Cooling	°CDB	-15–52				
	Heating	°CWB	-20–15.5				
Capacity connection		%	50–130				
Number of connectable indoor units			80				

1. The data are measured under the following conditions (ISO-T1, H1). Cooling: Indoor temp. of 27°CDB, 19°CWB, and outdoor temp. of 35°CDB. Heating: Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.
2. Sound level indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.
3. Refrigerant piping size applicable to European installations are shown in parentheses.

52–60 HP (145.0kW – 168.0kW)

R410A Blue Fin VTCC

Technical focus

- The KXZ2 series has a layered design and a refined new form
- High efficiency with EER up to 3.57
- VTCC : advanced variable temperature and capacity control
- Total piping length up to 1000m and a maximum height difference between indoor unit is maximum of 30m.
- Wide range of operation.

FDC1450–1680

■ SPECIFICATIONS

Item			Model	FDC1450KXZE2	FDC1500KXZE2	FDC1560KXZE2	FDC1620KXZE2	FDC1680KXZE2
Combination (FDC)				475KXZE2	500KXZE2	500KXZE2	500KXZE2	560KXZE2
				475KXZE2	500KXZE2	500KXZE2	560KXZE2	560KXZE2
				500KXZE2	500KXZE2	560KXZE2	560KXZE2	560KXZE2
Nominal horse power				52HP	54HP	56HP	58HP	60HP
Power source				3 Phase 380-415V, 50Hz				
Nominal capacity	Cooling	kW		145.0	150.0	156.0	162.0	168.0
	Heating			162.0	168.0	175.0	182.0	189.0
Power consumption	Cooling	kW		41.95	42.03	45.52	49.01	52.50
	Heating			39.54	40.68	43.27	45.87	48.46
EER				3.46	3.57	3.43	3.31	3.20
COP				4.10	4.13	4.04	3.97	3.90
Net weight		kg		1134				
Starting current		A		24				
Max current		A		120.6				
Refrigerant	Type / GWP			R410A / 2088				
	Charge	kg		11.5x3				
Refrigerant piping size	Liquid	mm (in)		ø19.05(3/4")				
	Gas			ø38.1(1-1/2") [ø34.92(1-3/8")]				
	Oil equalization			ø9.52 (3/8")				
Total piping length		m		1000				
Outdoor operating temperature range	Cooling	°CDB		-15–52				
	Heating	°CWB		-20–15.5				
Capacity connection		%		50–130				
Number of connectable indoor units				80				

1. The data are measured under the following conditions (ISO-T1, H1). Cooling: Indoor temp. of 27°CDB, 19°CWB, and outdoor temp. of 35°CDB. Heating: Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.
2. Sound level indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.
3. Refrigerant piping size applicable to European installations are shown in parentheses.

20–32HP (56.0kW – 89.5kW)

R410A Blue Fin VTCC

Technical focus

- The KXZ2 series has a layered design and a refined new form
- High efficiency with EER up to 3.86
- VTCC : advanced variable temperature and capacity control
- Total piping length up to 1000m and a maximum height difference between indoor unit is maximum of 30m.
- Wide range of operation.

FDC560

FDC850 · 900

SPECIFICATIONS

Item			Model	FDC560KXZXE2	FDC850KXZXE2	FDC900KXZXE2
Combination (FDC)				280KXZE2	280KXZE2	280KXZE2
				280KXZE2	280KXZE2	280KXZE2
				–	280KXZE2	335KXZE2
Nominal horse power				20HP	30HP	32HP
Power source				3 Phase 380-415V, 50Hz		
Nominal capacity	Cooling	kW		56.0	84.0	89.5
	Heating			63.0	94.5	100.5
Power consumption	Cooling	kW		14.51	21.76	23.49
	Heating			14.82	22.23	23.85
EER				3.86	3.86	3.81
COP				4.25	4.25	4.21
Net weight		kg		576	864	
Starting current		A		10	15	
Max current		A		40.2	60.3	
Refrigerant	Type / GWP			R410A / 2088		
	Charge	kg		11.0+11.0	11.0x3	
Refrigerant piping size	Liquid	mm (in)		ø12.7(1/2")	ø15.88(5/8")	
	Gas			ø28.58(1-1/8")	ø31.75(1-1/4") [ø34.92(1-3/8")]	
	Oil equalization			ø9.52 (3/8")		
Total piping length		m		1000		
Outdoor operating temperature range	Cooling	°CDB		-15–52		
	Heating	°CWB		-20–15.5		
Capacity connection		%		80–160		
Number of connectable indoor units				59	80	

1. The data are measured under the following conditions (ISO-T1, H1). Cooling: Indoor temp. of 27°CDB, 19°CWB, and outdoor temp. of 35°CDB. Heating: Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.
2. Sound level indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.
3. Refrigerant piping size applicable to European installations are shown in parentheses.

34–40HP (95.0kW – 113.5kW)

R410A Blue Fin VTCC

Technical focus

- The KXZ2 series has a layered design and a refined new form
- High efficiency with EER up to 3.77
- VTCC : advanced variable temperature and capacity control
- Total piping length up to 1000m and a maximum height difference between indoor unit is maximum of 30m.
- Wide range of operation.


FDC950 · 1000


FDC1060


FDC1120

■ SPECIFICATIONS

Item			Model	FDC950KXZXE2	FDC1000KXZXE2	FDC1060KXZXE2	FDC1120KXZXE2
Combination (FDC)				280KXZE2	335KXZE2	335KXZE2	335KXZE2
				335KXZE2	335KXZE2	335KXZE2	400KXZE2
				335KXZE2	335KXZE2	400KXZE2	400KXZE2
Nominal horse power				34HP	36HP	38HP	40HP
Power source				3 Phase 380-415V, 50Hz			
Nominal capacity	Cooling	kW		95.0	100.5	107.0	113.5
	Heating			106.5	112.5	120.0	127.5
Power consumption	Cooling	kW		25.22	26.94	28.94	30.94
	Heating			25.47	27.09	28.29	29.48
EER				3.77	3.73	3.70	3.67
COP				4.18	4.15	4.24	4.32
Net weight		kg		864		908	952
Starting current		A		15			
Max current		A		60.3		72.2	84.1
Refrigerant	Type / GWP			R410A / 2088			
	Charge	kg		11.0x3		11.0+11.0+11.5	11.0+11.5+11.5
Refrigerant piping size	Liquid	mm (in)		ø15.88(5/8")		ø19.05(3/4")	
	Gas			ø31.75(1·1/4") [ø34.92(1·3/8")]		ø38.1(1·1/2") [ø34.92(1·3/8")]	
	Oil equalization			ø9.52 (3/8")			
Total piping length		m		1000			
Outdoor operating temperature range	Cooling	°CDB		-15–52			
	Heating	°CWB		-20–15.5			
Capacity connection		%		80–160	80–130		
Number of connectable indoor units				80			

1. The data are measured under the following conditions (ISO-T1, H1). Cooling: Indoor temp. of 27°CDB, 19°CWB, and outdoor temp. of 35°CDB. Heating: Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.
2. Sound level indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.
3. Refrigerant piping size applicable to European installations are shown in parentheses.

KXZ2 Heat recovery 3-pipe systems

8–12HP (22.4kW – 33.5kW)

R410A Blue Fin VTCC

Technical focus

- for simultaneous heating and cooling

- The KXZ2 series has a layered design and a refined new form
- High efficiency with EER up to 3.89
- VTCC : advanced variable temperature and capacity control
- Continuous heating capacity control
- Total piping length up to 1000m and a maximum pipe run of 160m

Uniform footprint of models allows continuous side-by-side installation

FDC224–335

SPECIFICATIONS

Item		Model		FDC224KXZRE2	FDC280KXZRE2	FDC335KXZRE2
Nominal horse power				8HP	10HP	12HP
Power source				3 Phase 380-415V, 50Hz		
Nominal capacity	Cooling		kW	22.4	28.0	33.5
	Heating			22.4	28.0	33.5
Max heating capacity			kW	25.0	31.5	37.5
Power consumption	Cooling		kW	5.76	7.39	9.65
	Heating			5.27	6.86	8.44
EER				3.89	3.79	3.47
COP				4.25	4.08	3.97
SEER				6.21	6.36	7.15
SCOP				4.06	4.02	4.43
Exterior dimensions (HxWxD)			mm	1697x1350x720		
Net weight			kg	305		
Sound power level	Cooling		dB(A)	75	75	82
	Heating			77	76	82
Sound pressure level	Cooling		dB(A)	56	55	63
	Heating			58	57	63
Starting current			A	5		
Max current			A	16.0	20.0	21.2
Refrigerant	Type / GWP			R410A / 2088		
	Charge		kg	11.5		
	TCO_2Eq			24.012		
Refrigerant piping size	Liquid		mm (in)	ø9.52(3/8")		ø12.7(1/2")
	Suction gas			ø19.05(3/4")	ø22.22(7/8")	ø25.4(1") [ø22.22(7/8")]
	Discharge gas			ø15.88(5/8")	ø19.05(3/4")	
Total piping length			m	1000		
Outdoor operating temperature range	Cooling		°CDB	-15–46		
	Heating		°CWB	-20–15.5		
Capacity connection			%	50–200		
Number of connectable indoor units				29	37	44

1. The data are measured under the following conditions (ISO-T1, H1). Cooling: Indoor temp. of 27°CDB, 19°CWB, and outdoor temp. of 35°CDB. Heating: Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.
2. SEER/SCOP are based on EN14825:2016 and Commission regulation (EU) No.2016/2281. Temperature conditions for calculating SCOP are based on "Average climate".
3. Sound pressure level indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.
4. 'tonne(s) of CO_2 equivalent' means a quantity of greenhouse gases- expressed as the product of the weight of the greenhouse gases in metric tonnes and of their global warming potential.
5. Refrigerant contained in the products is a fluorinated greenhouse gas listed in Regulation (EU) No 517/2014.
6. Refrigerant piping size applicable to European installations are shown in parentheses.

14–24HP (40.0kW – 67.0kW)

R410A Blue Fin VTCC

Technical focus

- for simultaneous heating and cooling

- The KXZ2 series has a layered design and a refined new form
- High efficiency with EER up to 3.46
- VTCC : advanced variable temperature and capacity control
- Continuous heating capacity control
- Total piping length up to 1000m and a maximum pipe run of 160m

Uniform footprint of all models allows continuous side-by-side installation

FDC400–670

SPECIFICATIONS

Item			Model	FDC400KXZRE2	FDC450KXZRE2	FDC475KXZRE2	FDC500KXZRE2	FDC560KXZRE2	FDC615KXZRE2	FDC670KXZRE2
Nominal horse power				14HP	16HP	17HP	18HP	20HP	22HP	24HP
Power source				3 Phase 380-415V, 50Hz						
Nominal capacity	Cooling	kW		40.0	45.0	47.5	50.0	56.0	61.5	67.0
	Heating			40.0	45.0	47.5	50.0	56.0	61.5	63.0
Max heating capacity		kW		45.0	50.0	53.0	56.0	63.0	63.0	63.0
Power consumption	Cooling	kW		11.56	14.47	14.84	15.20	19.31	21.35	25.57
	Heating			9.76	11.39	11.67	12.69	14.93	16.14	17.45
EER				3.46	3.11	3.20	3.29	2.90	2.88	2.62
COP				4.10	3.95	4.07	3.94	3.75	3.81	3.61
SEER				6.78	6.29	6.60	7.01	6.26	6.05	5.88
SCOP				4.39	4.33	4.27	4.39	4.29	4.34	4.50
Exterior dimensions (HxWxD)		mm		2052x1350x720						
Net weight		kg		372		420				
Sound power level	Cooling	dB(A)		81				84		
	Heating			82				82	83	
Sound pressure level	Cooling	dB(A)		61				64	65	
	Heating			62				63	64	
Starting current		A		5		8				
Max current		A		30.0	32.0	40.4	41.0	41.6	42.0	42.4
Refrigerant	Type / GWP			R410A / 2088						
	Charge	kg		11.5						
	TCO_2Eq			24.012						
Refrigerant piping size	Liquid	mm (in)		ø12.7(1/2")						
	Suction gas			ø25.4(1") [ø28.58(1·1/8")]	ø28.58(1·1/8")					
	Discharge gas			ø22.22(7/8")					ø25.4(1") [ø22.22(7/8")]	
Total piping length		m		1000						
Outdoor operating temperature range	Cooling	°CDB		-15–46						
	Heating	°CWB		-20–15.5						
Capacity connection		%		50–200		50–160				
Number of connectable indoor units				53	60	50	53	59	65	71

1. The data are measured under the following conditions (ISO-T1, H1). Cooling: Indoor temp. of 27°CDB, 19°CWB, and outdoor temp. of 35°CDB. Heating: Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.
2. SEER/SCOP are based on EN14825:2016 and Commission regulation (EU) No.2016/2281. Temperature conditions for calculating SCOP are based on "Average climate".
3. Sound pressure level indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.
4. 'tonne(s) of CO_2 equivalent' means a quantity of greenhouse gases- expressed as the product of the weight of the greenhouse gases in metric tonnes and of their global warming potential.
5. Refrigerant contained in the products is a fluorinated greenhouse gas listed in Regulation (EU) No 517/2014.
6. Refrigerant piping size applicable to European installations are shown in parentheses.

26–40HP (73.5kW – 112.0kW)

R410A Blue Fin VTCC

Technical focus

- for simultaneous heating and cooling

- The KXZ2 series has a layered design and a refined new form
- High efficiency with EER up to 3.47
- VTCC : advanced variable temperature and capacity control
- Continuous heating capacity control
- Total piping length up to 1000m and a maximum pipe run of 160m

FDC735

FDC800–1120

■ SPECIFICATIONS

Item		Model	FDC735KXZRE2	FDC800KXZRE2	FDC850KXZRE2	FDC900KXZRE2	FDC950KXZRE2	FDC1000KXZRE2	FDC1060KXZRE2	FDC1120KXZRE2
Combination (FDC)			335KXZRE2	400KXZRE2	400KXZRE2	450KXZRE2	475KXZRE2	500KXZRE2	500KXZRE2	560KXZRE2
			400KXZRE2	400KXZRE2	450KXZRE2	450KXZRE2	475KXZRE2	500KXZRE2	560KXZRE2	560KXZRE2
Nominal horse power			26HP	28HP	30HP	32HP	34HP	36HP	38HP	40HP
Power source			3 Phase 380-415V, 50Hz							
Nominal capacity	Cooling	kW	73.5	80.0	85.0	90.0	95.0	100.0	106.0	112.0
	Heating		73.5	80.0	85.0	90.0	95.0	100.0	106.0	112.0
Power consumption	Cooling	kW	21.21	23.12	26.03	28.94	29.68	30.40	34.51	38.62
	Heating		18.20	19.52	21.15	22.78	23.34	25.38	27.62	29.86
EER			3.47	3.46	3.27	3.11	3.20	3.29	3.07	2.90
COP			4.04	4.10	4.02	3.95	4.07	3.94	3.84	3.75
Net weight		kg	677	744			840			
Starting current		A	10				16			
Max current		A	51.2	60.0	62.0	64.0	80.8	82.0	82.6	83.2
Refrigerant	Type / GWP		R410A / 2088							
	Charge	kg	11.5+11.5							
Refrigerant piping size	Liquid	mm (in)	ø15.88(5/8")						ø19.05(3/4")	
	Suction gas		ø31.75(1·1/4") [ø34.92(1·3/8")]					ø38.1(1·1/2") [ø34.92(1·3/8")]		
	Discharge gas		ø25.4(1") [ø28.58(1·1/8")]	ø28.58(1·1/8")					ø31.75(1·1/4") [ø28.58(1·1/8")]	
	Oil equalization		ø9.52 (3/8")							
Total piping length		m	1000							
Outdoor operating temperature range	Cooling	°CDB	-15–46							
	Heating	°CWB	-20–15.5							
Capacity connection		%	50–160					50–130		
Number of connectable indoor units			78	80						

1. The data are measured under the following conditions (ISO-T1, H1). Cooling: Indoor temp. of 27°CDB, 19°CWB, and outdoor temp. of 35°CDB. Heating: Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.
2. Sound level indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.
3. Refrigerant piping size applicable to European installations are shown in parentheses.

42–50 HP (120.0kW – 142.5kW)

R410A Blue Fin VTCC

Technical focus

- for simultaneous heating and cooling

- The KXZ2 series has a layered design and a refined new form
- High efficiency with EER up to 3.46
- VTCC : advanced variable temperature and capacity control
- Continuous heating capacity control
- Total piping length up to 1000m and a maximum pipe run of 160m

FDC1200–1425

■ SPECIFICATIONS

Item		Model	FDC1200KXZRE2	FDC1250KXZRE2	FDC1300KXZRE2	FDC1350KXZRE2	FDC1425KXZRE2
Combination (FDC)			400KXZRE2	400KXZRE2	400KXZRE2	450KXZRE2	475KXZRE2
			400KXZRE2	400KXZRE2	450KXZRE2	450KXZRE2	475KXZRE2
			400KXZRE2	450KXZRE2	450KXZRE2	450KXZRE2	475KXZRE2
Nominal horse power			42HP	44HP	46HP	48HP	50HP
Power source			3 Phase 380-415V, 50Hz				
Nominal capacity	Cooling	kW	120.0	125.0	130.0	135.0	142.5
	Heating	kW	120.0	125.0	130.0	135.0	142.5
Power consumption	Cooling	kW	34.68	37.59	40.50	43.41	44.52
	Heating	kW	29.28	30.91	32.54	34.17	35.01
EER			3.46	3.33	3.21	3.11	3.20
COP			4.10	4.04	4.00	3.95	4.07
Net weight		kg	1116				1260
Starting current		A	15				24
Max current		A	90.0	92.0	94.0	96.0	121.2
Refrigerant	Type / GWP		R410A / 2088				
	Charge	kg	11.5x3				
Refrigerant piping size	Liquid	mm (in)	ø19.05(3/4")				
	Suction gas	mm (in)	ø38.1(1-1/2") [ø34.92(1-3/8")]				
	Discharge gas	mm (in)	ø31.75(1-1/4") [ø28.58(1-1/8")]				
	Oil equalization	mm (in)	ø9.52 (3/8")				
Total piping length		m	1000				
Outdoor operating temperature range	Cooling	°CDB	-15–46				
	Heating	°CWB	-20–15.5				
Capacity connection		%	50–130				
Number of connectable indoor units			80				

1. The data are measured under the following conditions (ISO-T1, H1). Cooling: Indoor temp. of 27°CDB, 19°CWB, and outdoor temp. of 35°CDB. Heating: Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.
2. Sound level indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.
3. Refrigerant piping size applicable to European installations are shown in parentheses.

52–60 HP (145.0kW – 168.0kW)

R410A Blue Fin VTCC

Technical focus

- for simultaneous heating and cooling

- The KXZ2 series has a layered design and a refined new form
- High efficiency with EER up to 3.29
- VTCC : advanced variable temperature and capacity control
- Continuous heating capacity control
- Total piping length up to 1000m and a maximum pipe run of 160m

FDC1450–1680

SPECIFICATIONS

Item		Model	FDC1450KXZRE2	FDC1500KXZRE2	FDC1560KXZRE2	FDC1620KXZRE2	FDC1680KXZRE2
Combination (FDC)			475KXZRE2	500KXZRE2	500KXZRE2	500KXZRE2	560KXZRE2
			475KXZRE2	500KXZRE2	500KXZRE2	560KXZRE2	560KXZRE2
			500KXZRE2	500KXZRE2	560KXZRE2	560KXZRE2	560KXZRE2
Nominal horse power			52HP	54HP	56HP	58HP	60HP
Power source			3 Phase 380-415V, 50Hz				
Nominal capacity	Cooling	kW	145.0	150.0	156.0	162.0	168.0
	Heating		145.0	150.0	156.0	162.0	168.0
Power consumption	Cooling	kW	44.88	45.60	49.71	53.82	57.93
	Heating		36.03	38.07	40.31	42.55	44.79
EER			3.23	3.29	3.14	3.01	2.90
COP			4.02	3.94	3.87	3.81	3.75
Net weight		kg	1260				
Starting current		A	24				
Max current		A	121.8	123.0	123.6	124.2	124.8
Refrigerant	Type / GWP		R410A / 2088				
	Charge	kg	11.5x3				
Refrigerant piping size	Liquid	mm (in)	ø19.05(3/4")				
	Suction gas		ø38.1(1-1/2") [ø34.92(1-3/8")]				
	Discharge gas		ø31.75(1-1/4") [ø28.58(1-1/8")]				
	Oil equalization		ø9.52 (3/8")				
Total piping length		m	1000				
Outdoor operating temperature range	Cooling	°CDB	-15–46				
	Heating	°CWB	-20–15.5				
Capacity connection		%	50–130				
Number of connectable indoor units			80				

1. The data are measured under the following conditions (ISO-T1, H1). Cooling: Indoor temp. of 27°CDB, 19°CWB, and outdoor temp. of 35°CDB. Heating: Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.
2. Sound level indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.
3. Refrigerant piping size applicable to European installations are shown in parentheses.

16–24HP (45.0kW – 67.0kW)

R410A Blue Fin VTCC

Technical focus

- for simultaneous heating and cooling

- The KXZ2 series has a layered design and a refined new form
- High efficiency with EER up to 3.91
- VTCC : advanced variable temperature and capacity control
- Continuous heating capacity control
- Total piping length up to 1000m and a maximum pipe run of 160m

FDC450–670

■ SPECIFICATIONS

Item			Model	FDC450KXZRXE2	FDC500KXZRXE2	FDC560KXZRXE2	FDC615KXZRXE2	FDC670KXZRXE2
Combination (FDC)				224KXZRE2	224KXZRE2	280KXZRE2	280KXZRE2	335KXZRE2
				224KXZRE2	280KXZRE2	280KXZRE2	335KXZRE2	335KXZRE2
Nominal horse power				16HP	18HP	20HP	22HP	24HP
Power source				3 Phase 380-415V, 50Hz				
Nominal capacity	Cooling	kW		45.0	50.0	56.0	61.5	67.0
	Heating			45.0	50.0	56.0	61.5	67.0
Power consumption	Cooling	kW		11.52	13.15	14.78	17.04	19.30
	Heating			10.54	12.13	13.72	15.30	16.88
EER				3.91	3.80	3.79	3.61	3.47
COP				4.27	4.12	4.08	4.02	3.97
Net weight		kg		610				
Starting current		A		10				
Max current		A		32.0	36.0	40.0	41.2	42.4
Refrigerant	Type / GWP			R410A / 2088				
	Charge	kg		11.5+11.5				
Refrigerant piping size	Liquid	mm (in)		ø12.7(1/2")				
	Suction gas			ø28.58(1·1/8")				
	Discharge gas			ø22.22(7/8")			ø25.4(1") [ø22.22(7/8")]	
	Oil equalization			ø9.52 (3/8")				
Total piping length		m		1000				
Outdoor operating temperature range	Cooling	°CDB		-15–46				
	Heating	°CWB		-20–15.5				
Capacity connection		%		80–200	80–160			
Number of connectable indoor units				60	53	59	65	71

1. The data are measured under the following conditions (ISO-T1, H1). Cooling: Indoor temp. of 27°CDB, 19°CWB, and outdoor temp. of 35°CDB. Heating: Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.
2. Sound level indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.
3. Refrigerant piping size applicable to European installations are shown in parentheses.

26–36HP (73.5kW – 100.0kW)

R410A Blue Fin VTCC

Technical focus

- for simultaneous heating and cooling

- The KXZ2 series has a layered design and a refined new form
- High efficiency with EER up to 3.89
- VTCC : advanced variable temperature and capacity control
- Continuous heating capacity control
- Total piping length up to 1000m and a maximum pipe run of 160m

FDC735–1000

SPECIFICATIONS

Item			Model	FDC735KXZRXE2	FDC800KXZRXE2	FDC850KXZRXE2	FDC900KXZRXE2	FDC950KXZRXE2	FDC1000KXZRXE2
Combination (FDC)				224KXZRE2	224KXZRE2	280KXZRE2	280KXZRE2	280KXZRE2	335KXZRE2
				224KXZRE2	280KXZRE2	280KXZRE2	280KXZRE2	335KXZRE2	335KXZRE2
				280KXZRE2	280KXZRE2	280KXZRE2	335KXZRE2	335KXZRE2	335KXZRE2
Nominal horse power				26HP	28HP	30HP	32HP	34HP	36HP
Power source				3 Phase 380-415V, 50Hz					
Nominal capacity	Cooling	kW		73.5	80.0	85.0	90.0	95.0	100.0
	Heating			73.5	80.0	85.0	90.0	95.0	100.0
Power consumption	Cooling	kW		18.91	20.54	22.17	24.43	26.69	28.95
	Heating			17.40	18.99	20.58	22.16	23.74	25.32
EER				3.89	3.89	3.83	3.68	3.56	3.45
COP				4.22	4.21	4.13	4.06	4.00	3.95
Net weight		kg		915					
Starting current		A		15					
Max current		A		52.0	56.0	60.0	61.2	62.4	63.6
Refrigerant	Type / GWP			R410A / 2088					
	Charge	kg		11.5x3					
Refrigerant piping size	Liquid	mm (in)		ø15.88(5/8")					
	Suction gas			ø31.75(1·1/4") [ø34.92(1·3/8")]					ø38.1(1·1/2") [ø34.92(1·3/8")]
	Discharge gas			ø25.4(1") [ø28.58(1·1/8")]	ø28.58(1·1/8")				
	Oil equalization			ø9.52 (3/8")					
Total piping length		m		1000					
Outdoor operating temperature range	Cooling	°CDB		-15–46					
	Heating	°CWB		-20–15.5					
Capacity connection		%		80–160					80–130
Number of connectable indoor units				78	80				

1. The data are measured under the following conditions (ISO-T1, H1). Cooling: Indoor temp. of 27°CDB, 19°CWB, and outdoor temp. of 35°CDB. Heating: Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.
2. Sound level indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.
3. Refrigerant piping size applicable to European installations are shown in parentheses.