8–12HP (22.4kW – 33.5kW)

R32 Blue Fin VTCC+

Technical focus

- Available in the R32 refrigerant
- New exterior design containing cutting edge technology
- High SEER with advanced technology
- VTCC+ : advanced variable temperature and capacity control
- Compact design with a small total footprint
- Advanced continuous heating

New!

FDC224–335

■ SPECIFICATIONS

Item		Model	FDC224KXZE3	FDC280KXZE3	FDC335KXZE3
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	5.52	8.05	9.69
	Heating		4.58	6.35	7.98
EER			4.06	3.48	3.46
COP			4.90	4.41	4.20
SEER			9.16	8.96	8.57
SCOP			4.82	4.75	4.67
Exterior dimensions (HxWxD)		mm	1750×920×760		
Net weight		kg	262		274
Sound power level	Cooling	dB(A)	76	77	82
	Heating		78	83	86
Sound pressure level	Cooling	dB(A)	55	56	60
	Heating		55	60	63
Starting current		A	5		
Max current		A	20.7	23.2	25.7
Refrigerant	Type / GWP		R32 / 675		
	Charge	kg	7.1		7.7
	TCO_2Eq		4.793		5.198
Refrigerant piping size	Liquid	mm (in)	ø9.52(3/8")		ø12.7(1/2")
	Gas		ø19.05(3/4")	ø22.22(7/8")	
Total piping length		m	1000		
Outdoor operating temperature range	Cooling	°CDB	-15–52		
	Heating	°CWB	-25–16		
Capacity connection		%	50–150		
Number of connectable indoor units			22	28	33

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 EN14825:2018 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. When connecting the indoor unit type FDK, FDFL, FDFU or FDFW series, limit the connectable capacity not higher than 130%.

16–24HP (44.8kW – 67.0kW)

R32 Blue Fin VTCC+

Technical focus

- Available in the R32 refrigerant
- New exterior design containing cutting edge technology
- High SCOP & SEER with advanced technology
- VTCC+ : advanced variable temperature and capacity control
- Compact design with a small total footprint
- Advanced continuous heating

New!

FDC450–670

SPECIFICATIONS

Item		Model	FDC450KXZVE3	FDC500KXZVE3	FDC560KXZVE3	FDC615KXZVE3	FDC670KXZVE3
Combination (FDC)			224KXZE3	224KXZE3	280KXZE3	280KXZE3	335KXZE3
			224KXZE3	280KXZE3	280KXZE3	335KXZE3	335KXZE3
Nominal horse power			16HP	18HP	20HP	22HP	24HP
Power source			3 Phase 380-415V, 50Hz				
Nominal capacity	Cooling	kW	44.8	50.4	56.0	61.5	67.0
	Heating		44.8	50.4	56.0	61.5	67.0
Max heating capacity		kW	50.0	56.5	63.0	69.0	75.0
Power consumption	Cooling	kW	11.0	13.6	16.1	17.7	19.4
	Heating		9.1	10.9	12.7	14.3	16.0
EER			4.06	3.71	3.48	3.46	3.46
COP			4.90	4.61	4.41	4.29	4.20
SEER			9.16	9.02	8.97	8.74	8.57
SCOP			4.82	4.78	4.75	4.70	4.67
Net weight		kg	524			536	548
Starting current		A	10				
Max current		A	41.4	43.9	46.4	48.9	51.4
Refrigerant	Type / GWP		R32 / 675				
	Charge	kg	7.1+7.1			7.1+7.7	7.7+7.7
Refrigerant piping size	Liquid	mm (in)	ø12.7 (1/2")				
	Gas		ø28.58 (11/8")				
	Oil equalization		ø12.7 (1/2")				
Total piping length		m	1000				
Outdoor operating temperature range	Cooling	°CDB	-15–52				
	Heating	°CWB	-25–16				
Capacity connection		%	50–150				
Number of connectable indoor units			45	50	56	61	67

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 EN14825:2018 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. When connecting the indoor unit type FDK, FDFL, FDFU or FDFW series, limit the connectable capacity not higher than 130%.

26–30HP (72.8kW – 84.0kW)

Technical focus

- Available in the R32 refrigerant
- New exterior design containing cutting edge technology
- High SCOP & SEER with advanced technology
- VTCC+ : advanced variable temperature and capacity control
- Compact design with a small total footprint
- Advanced continuous heating

New!

FDC735–850

■ SPECIFICATIONS

Item		Model	FDC735KXZVE3	FDC800KXZVE3	FDC850KXZVE3
Combination (FDC)			224KXZE3	224KXZE3	280KXZE3
			224KXZE3	280KXZE3	280KXZE3
			280KXZE3	280KXZE3	280KXZE3
Nominal horse power			26HP	28HP	30HP
Power source			3 Phase 380-415V, 50Hz		
Nominal capacity	Cooling	kW	72.8	78.4	84.0
	Heating		72.8	78.4	84.0
Max heating capacity		kW	81.5	88.0	94.5
Power consumption	Cooling	kW	19.1	21.6	24.1
	Heating		15.5	17.3	19.0
EER			3.81	3.62	3.48
COP			4.69	4.53	4.41
SEER			9.07	9.02	8.97
SCOP			4.79	4.78	4.75
Net weight		kg	786		
Starting current		A	15		
Max current		A	64.6	67.1	69.6
Refrigerant	Type / GWP		R32 / 675		
	Charge	kg	7.1×3		
Refrigerant piping size	Liquid	mm (in)	ø15.88(5/8")		
	Gas		ø34.92(1·3/8")		
	Oil equalization		ø12.7 (1/2")		
Total piping length		m	1000		
Outdoor operating temperature range	Cooling	°CDB	-15–52		
	Heating	°CWB	-25–16		
Capacity connection		%	50–150		
Number of connectable indoor units			73	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. SEER/SCOP are based on EN14825:2018 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. When connecting the indoor unit type FDK, FDFL, FDFU or FDFW series, limit the connectable capacity not higher than 130%.

32–36HP (89.5kW – 100.5kW)

Technical focus

- Available in the R32 refrigerant
- New exterior design containing cutting edge technology
- High SCOP & SEER with advanced technology
- VTCC+ : advanced variable temperature and capacity control
- Compact design with a small total footprint
- Advanced continuous heating

New!

FDC900–1000

■ SPECIFICATIONS

Item			Model	FDC900KXZVE3	FDC950KXZVE3	FDC1000KXZVE3
Combination (FDC)				280KXZE3	280KXZE3	335KXZE3
				280KXZE3	335KXZE3	335KXZE3
				335KXZE3	335KXZE3	335KXZE3
Nominal horse power				32HP	34HP	36HP
Power source				3 Phase 380-415V, 50Hz		
Nominal capacity	Cooling	kW		89.5	95.0	100.5
	Heating			89.5	95.0	100.5
Max heating capacity		kW		100.5	106.5	112.5
Power consumption	Cooling	kW		25.8	27.4	29.0
	Heating			20.7	22.3	23.9
EER				3.47	3.46	3.46
COP				4.32	4.25	4.20
SEER				8.81	8.68	8.57
SCOP				4.72	4.69	4.67
Net weight		kg		798	810	822
Starting current		A		15		
Max current		A		72.1	74.6	77.1
Refrigerant	Type / GWP			R32 / 675		
	Charge	kg		7.1+7.1+7.7	7.1+7.7+7.7	7.7×3
Refrigerant piping size	Liquid	mm (in)		ø15.88(5/8")		
	Gas			ø34.92(1·3/8")		
	Oil equalization			ø12.7 (1/2")		
Total piping length		m		1000		
Outdoor operating temperature range	Cooling	°CDB		-15–52		
	Heating	°CWB		-25–16		
Capacity connection		%		50–150		
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. SEER/SCOP are based on EN14825:2018 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. When connecting the indoor unit type FDK, FDFL, FDFU or FDFW series, limit the connectable capacity not higher than 130%.