					EWAQ016BAWN	EWAQ021BAWN	EWAQ025BAWN	EWAQ032BAWN	EWAQ040BAWN	EWAQ050BAWN	EWAQ064BAWN
Operation range	Air side	Cooling	Min.	°CDB	-5	-5	-5	-5	-5	-5	-5
			Max.	°CDB	43	43	43	43	43	43	43
	Water side	Cooling	Max.	°CDB	20	20	20	20	20	20	20
			Min.	°CDB	-10	-10	-10	-10	-10	-10	-10
Packing	Weight			kg	27	27	27	31	45	45	53
	Material				Carton, Wood, Plastic	Carton, Wood, Plastic	Carton, Wood, Plastic	Carton, Wood, Plastic	Carton, Wood, Plastic	Carton, Wood, Plastic	Carton, Wood, Plastic
Refrigerant charge	Per circuit			kg	7.6	7.6	7.6	9.6	15.2	15.2	19.2
	Per circuit			TCO2Eq	15.9	15.9	15.9	20.0	31.7	31.7	40.1
Compressor	Motor (INV)		Crankcase heater	W	33	33	33	33	33	33	33
				Quantity	1	1	1	1	2	2	2
				Model	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor (ON-OFF)			Quantity	0	1	1	2	2	2	4
	Quantity				1	2	2	3	4	4	6
	Compressor-=-Type				Hermetically sealed scroll compressor	Hermetically sealed scroll compressor	Hermetically sealed scroll compressor	Hermetically sealed scroll compressor	Hermetically sealed scroll compressor	Hermetically sealed scroll compressor	Hermetically sealed scroll compressor
Weight	Packed unit			kg	291	344	344	428	616	616	783
	Operation weight			kg	267	320	320	401	577	577	738
	Unit			kg	264	317	317	397	571	571	730
Air heat exchanger	Length			mm	1,778	1,778	1,778	2,088	1,778	1,778	2,088
	Fin			Treatment	Hydrophylic and anti-corrosion resistant	Hydrophylic and anti-corrosion resistant	Hydrophylic and anti-corrosion resistant	Hydrophylic and anti-corrosion resistant	Hydrophylic and anti-corrosion resistant	Hydrophylic and anti-corrosion resistant	Hydrophylic and anti-corrosion resistant
				Type	Non-symmetric waffle louvre	Non-symmetric waffle louvre	Non-symmetric waffle louvre	Non-symmetric waffle louvre	Non-symmetric waffle louvre	Non-symmetric waffle louvre	Non-symmetric waffle louvre
	Face area			m^2	2.112	2.112	2.112	2.481	2.112	2.112	2.481
	Stages			Quantity	54	54	54	54	54	54	54
	Fin pitch			mm	2.0	2.0	2.0	2.0	2.0	2.0	2.0
	Rows			Quantity	2	2	2	2	2	2	2
	Passes			Quantity	18	18	18	21	18	18	21
	Type				Hi-XSS (8)	Hi-XSS (8)	Hi-XSS (8)	Hi-XSS (8)	Hi-XSS (8)	Hi-XSS (8)	Hi-XSS (8)
	Empty tubeplate hole				0	0	0	0	0	0	0
Refrigerant oil	Type				Synthetic (ether) oil	Synthetic (ether) oil	Synthetic (ether) oil	Synthetic (ether) oil	Synthetic (ether) oil	Synthetic (ether) oil	Synthetic (ether) oil
Refrigerant	Circuits			Quantity	1	1	1	1	1	1	1
	Refrigerant-=-Refrigerant control				Electronic expansion valve	Electronic expansion valve	Electronic expansion valve	Electronic expansion valve	Electronic expansion valve	Electronic expansion valve	Electronic expansion valve
	Refrigerant-=-Refrigerant type				R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A
	Refrigerant-=-Refrigerant gwp				2,087.5	2,087.5	2,087.5	2,087.5	2,087.5	2,087.5	2,087.5
Fan motor	Output			W	750	750	750	350	750	750	350
	Quantity				1	1	1	2	2	2	4
	Drive				Direct drive	Direct drive	Direct drive	Direct drive	Direct drive	Direct drive	Direct drive
	Model				Brushless DC motor	Brushless DC motor	Brushless DC motor	Brushless DC motor	Brushless DC motor	Brushless DC motor	Brushless DC motor
	Position				Vertical	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical
Cooling capacity	Nom.			kW	17.4 (1)	21.7 (1)	25.8 (1)	32.3 (1)	43.4 (1)	51.8 (1)	64.5 (1)
	Max.			kW	20.6 (1)	25.7 (1)	30.6 (1)	38.3 (1)	51.4 (1)	61.4 (1)	76.5 (1)
Water heat exchanger	Water volume			l	1.9	1.9	1.9	2.9	3.8	3.8	5.7
	Water pressure drop	Cooling	Total	kPa	20	30	42	30	30	42	30
	Model			Type	ACH70-40H	ACH70-40H	ACH70-40H	ACH70-60H	ACH70-40H	ACH70-40H	ACH70-60H
	Filter		Diameter perforations	mm	0.6	0.6	0.6	0.6	0.6	0.6	0.6
				Material	Brass	Brass	Brass	Brass	Brass	Brass	Brass
	Water flow rate	Cooling	Nom.	l/min	50 (1)	62 (1)	74 (1)	93 (1)	124 (1)	148 (1)	185 (1)
			Max	l/min	75	93	111	139	187	223	277
			Min.	l/min	23	23	23	36	46	46	72
	Insulation material				Nitrile rubber based elastomeric foam	Nitrile rubber based elastomeric foam	Nitrile rubber based elastomeric foam	Nitrile rubber based elastomeric foam	Nitrile rubber based elastomeric foam	Nitrile rubber based elastomeric foam	Nitrile rubber based elastomeric foam
	Quantity				1	1	1	1	2	2	2

	Type				Brazed plate	Brazed plate	Brazed plate	Brazed plate	Brazed plate	Brazed plate	Brazed plate
Power input	Cooling		Nom.	kW	5.60 (1)	7.25 (1)	9.29 (1)	13.0 (1)	14.7 (1)	18.8 (1)	26.4 (1)
Sound power level	Cooling		Nom.	dBA	78	78	78	80	81	81	83
Safety devices	Item			01	High pressure switch	High pressure switch	High pressure switch	High pressure switch	High pressure switch	High pressure switch	High pressure switch
				02	Overcurrent relay	Overcurrent relay	Overcurrent relay	Overcurrent relay	Overcurrent relay	Overcurrent relay	Overcurrent relay
				03	Inverter overload protector	Inverter overload protector	Inverter overload protector	Inverter overload protector	Inverter overload protector	Inverter overload protector	Inverter overload protector
				04	Fuse	Fuse	Fuse	Fuse	Fuse	Fuse	Fuse
Dimensions	Packed unit		Width	mm	1,394	1,394	1,394	1,707	2,377	2,377	2,997
			Height	mm	1,860	1,860	1,860	1,860	1,860	1,860	1,860
			Depth	mm	834	834	834	834	838	838	838
	Unit		Width	mm	1,371	1,371	1,371	1,684	2,358	2,358	2,980
			Depth	mm	774	774	774	774	780	780	780
			Height	mm	1,684	1,684	1,684	1,684	1,684	1,684	1,684
Capacity control	Maximum capacity			%	120	120	120	120	120	120	120
	Minimum capacity			%	25	25	25	25	25	25	25
	Method				Inverter controlled	Inverter controlled	Inverter controlled	Inverter controlled	Inverter controlled	Inverter controlled	Inverter controlled
Casing	Colour				Daikin White	Daikin White	Daikin White	Daikin White	Daikin White	Daikin White	Daikin White
	Material				Polyester coated galvanised steel plate	Polyester coated galvanised steel plate	Polyester coated galvanised steel plate	Polyester coated galvanised steel plate	Polyester coated galvanised steel plate	Polyester coated galvanised steel plate	Polyester coated galvanised steel plate
PED	Most critical part		Ps*V	Bar*l	335	335	335	385	335	335	385
	Category				Category II	Category II	Category II	Category II	Category II	Category II	Category II
Fan	External static pressure		Max.	Pa	78	78	78	78	78	78	78
	Air flow rate	Cooling	Nom.	m³/min	171	185	185	233	370	370	466
	Quantity				1	1	1	2	2	2	4
	Type				Axial	Axial	Axial	Axial	Axial	Axial	Axial
	Discharge direction				Vertical	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical
Water circuit	Total water volume			l	3.2 (3)	3.2 (3)	3.2 (3)	4.2 (3)	5.8 (3)	5.8 (3)	7.7 (3)
	Nominal water pressure drop		Cooling	kPa	44 (6)	66 (6)	92 (6)	106 (6)	53 (6)	71 (6)	67 (6)
	Piping			inch	1-1/4"	1-1/4"	1-1/4"	1-1/4"	1-1/2"	1-1/2"	1-1/2"
	Piping connections diameter			inch	1-1/4" (female)	1-1/4" (female)	1-1/4" (female)	1-1/4" (female)	2" (female)	2" (female)	2" (female)
	Minimum water volume in the system for cooling			l	33 (4)	33 (4)	33 (4)	33 (4)	66 (4)	66 (4)	66 (4)
	Safety valve			bar	3	3	3	3	3	3	3
	Air purge valve				Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Water circuit-=-Drain valve fill valve				Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Water circuit-=-Flowswitch				Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Shut off valve				Yes	Yes	Yes	Yes	Yes	Yes	Yes
Defrost control					Sensor for outdoor heat exchanger temperature	Sensor for outdoor heat exchanger temperature	Sensor for outdoor heat exchanger temperature	Sensor for outdoor heat exchanger temperature	Sensor for outdoor heat exchanger temperature	Sensor for outdoor heat exchanger temperature	Sensor for outdoor heat exchanger temperature
Template					Chillers air cooled	Chillers air cooled	Chillers air cooled	Chillers air cooled	Chillers air cooled	Chillers air cooled	Chillers air cooled
Eer					3.11 (1)	2.99 (1)	2.78 (1)	2.48 (1)	2.95 (1)	2.76 (1)	2.44 (1)
Eseer					4.33	4.08	3.85	3.39	4.19	3.96	3.64
Defrost method					Reversed cycle	Reversed cycle	Reversed cycle	Reversed cycle	Reversed cycle	Reversed cycle	Reversed cycle
Power supply	Voltage range		Max.	%	10	10	10	10	10	10	10
			Min.	%	-10	-10	-10	-10	-10	-10	-10
	Frequency			Hz	50	50	50	50	50	50	50
	Voltage			V	400	400	400	400	400	400	400
	Phase				3N~	3N~	3N~	3N~	3N~	3N~	3N~
Unit	Starting current		Max	A	0 (8)	77.7	78.7	88.7	99.8	101.9	120.7
	Running current		Max	A	22.2	25.3	26.4	35.2	47.4	49.6	67.2
	Unit-=-Minimum ssc value				1,141	853	853	840	1,706	1,706	1,679
	Recommended fuses				25	32	32	40	50	63	80

Cable requirements	Error output		Maximum running current	A	0,3	0,3	0,3	0,3	0,3	0,3	0,3
				Quantity of wires	2	2	2	2	2	2	2
	Operation ON/OFF output		Maximum running current	A	0,3	0,3	0,3	0,3	0,3	0,3	0,3
				Quantity of wires	2	2	2	2	2	2	2
	Remote control			Maximum running current	Minimum cable section 0,75 mm²	Minimum cable section 0,75 mm²	Minimum cable section 0,75 mm²	Minimum cable section 0,75 mm²	Minimum cable section 0,75 mm²	Minimum cable section 0,75 mm²	Minimum cable section 0,75 mm²
				Quantity of wires	2	2	2	2	2	2	2
	Pump ON/OFF output		Maximum running current	A	0.3	0.3	0.3	0.3	0.3	0.3	0.3
				Quantity of wires	2	2	2	2	2	2	2
	Power supply			Required number of conductors	4 + GND	4 + GND	4 + GND	4 + GND	4 + GND	4 + GND	4 + GND
	Cooling/Heating output		Maximum running current	A	0,3	0,3	0,3	0,3	0,3	0,3	0,3
				Quantity of wires	2	2	2	2	2	2	2
Notes					Condition: Ta 35°C - LWE 7°C (DT = 5°C)	Condition: Ta 35°C - LWE 7°C (DT = 5°C)	Condition: Ta 35°C - LWE 7°C (DT = 5°C)	Condition: Ta 35°C - LWE 7°C (DT = 5°C)	Condition: Ta 35°C - LWE 7°C (DT = 5°C)	Condition: Ta 35°C - LWE 7°C (DT = 5°C)	Condition: Ta 35°C - LWE 7°C (DT = 5°C)
					Capacity, Power Input, EER, COP, ESEER according EN14511-2011	Capacity, Power Input, EER, COP, ESEER according EN14511-2011	Capacity, Power Input, EER, COP, ESEER according EN14511-2011	Capacity, Power Input, EER, COP, ESEER according EN14511-2011	Capacity, Power Input, EER, COP, ESEER according EN14511-2011	Capacity, Power Input, EER, COP, ESEER according EN14511-2011	Capacity, Power Input, EER, COP, ESEER according EN14511-2011
					Including piping + PHE; excluding expansion vessel	Including piping + PHE; excluding expansion vessel	Including piping + PHE; excluding expansion vessel	Including piping + PHE; excluding expansion vessel	Including piping + PHE; excluding expansion vessel	Including piping + PHE; excluding expansion vessel	Including piping + PHE; excluding expansion vessel
					Excluding water volume in the unit. In most applications this minimum water volume will have a satisfying result. In critical processes or in rooms with a high heat load though, extra water volume might be required. Refer to operation range for more info.	Excluding water volume in the unit. In most applications this minimum water volume will have a satisfying result. In critical processes or in rooms with a high heat load though, extra water volume might be required. Refer to operation range for more info.	Excluding water volume in the unit. In most applications this minimum water volume will have a satisfying result. In critical processes or in rooms with a high heat load though, extra water volume might be required. Refer to operation range for more info.	Excluding water volume in the unit. In most applications this minimum water volume will have a satisfying result. In critical processes or in rooms with a high heat load though, extra water volume might be required. Refer to operation range for more info.	Excluding water volume in the unit. In most applications this minimum water volume will have a satisfying result. In critical processes or in rooms with a high heat load though, extra water volume might be required. Refer to operation range for more info.	Excluding water volume in the unit. In most applications this minimum water volume will have a satisfying result. In critical processes or in rooms with a high heat load though, extra water volume might be required. Refer to operation range for more info.	Excluding water volume in the unit. In most applications this minimum water volume will have a satisfying result. In critical processes or in rooms with a high heat load though, extra water volume might be required. Refer to operation range for more info.
					Excluding the water volume in the unit. This volume will guarantee suficient defrost energy for all applications, however, this volume can be multiplied by 0,66 if the heating sepoint is ≥ 45° C (eg. Fan coils)	Excluding the water volume in the unit. This volume will guarantee suficient defrost energy for all applications, however, this volume can be multiplied by 0,66 if the heating sepoint is ≥ 45° C (eg. Fan coils)	Excluding the water volume in the unit. This volume will guarantee suficient defrost energy for all applications, however, this volume can be multiplied by 0,66 if the heating sepoint is ≥ 45° C (eg. Fan coils)	Excluding the water volume in the unit. This volume will guarantee suficient defrost energy for all applications, however, this volume can be multiplied by 0,66 if the heating sepoint is ≥ 45° C (eg. Fan coils)	Excluding the water volume in the unit. This volume will guarantee suficient defrost energy for all applications, however, this volume can be multiplied by 0,66 if the heating sepoint is ≥ 45° C (eg. Fan coils)	Excluding the water volume in the unit. This volume will guarantee suficient defrost energy for all applications, however, this volume can be multiplied by 0,66 if the heating sepoint is ≥ 45° C (eg. Fan coils)	Excluding the water volume in the unit. This volume will guarantee suficient defrost energy for all applications, however, this volume can be multiplied by 0,66 if the heating sepoint is ≥ 45° C (eg. Fan coils)
					This is PD between inlet & outlet connections of unit. It includes the water side heat exchanger pressure drop.	This is PD between inlet & outlet connections of unit. It includes the water side heat exchanger pressure drop.	This is PD between inlet & outlet connections of unit. It includes the water side heat exchanger pressure drop.	This is PD between inlet & outlet connections of unit. It includes the water side heat exchanger pressure drop.	This is PD between inlet & outlet connections of unit. It includes the water side heat exchanger pressure drop.	This is PD between inlet & outlet connections of unit. It includes the water side heat exchanger pressure drop.	This is PD between inlet & outlet connections of unit. It includes the water side heat exchanger pressure drop.
					This is ESP between inlet & outlet connections of unit. It consists out of pump SP minus all internal PD's.	This is ESP between inlet & outlet connections of unit. It consists out of pump SP minus all internal PD's.	This is ESP between inlet & outlet connections of unit. It consists out of pump SP minus all internal PD's.	This is ESP between inlet & outlet connections of unit. It consists out of pump SP minus all internal PD's.	This is ESP between inlet & outlet connections of unit. It consists out of pump SP minus all internal PD's.	This is ESP between inlet & outlet connections of unit. It consists out of pump SP minus all internal PD's.	This is ESP between inlet & outlet connections of unit. It consists out of pump SP minus all internal PD's.
					No peak current because of inverter compressor	No peak current because of inverter compressor	No peak current because of inverter compressor	No peak current because of inverter compressor	No peak current because of inverter compressor	No peak current because of inverter compressor	No peak current because of inverter compressor

					In accordance with EN/IEC 61000-3-11, respectively EN/IEC 61000-3-12, it may be necessary to consult the distribution network operator to ensure that the equipment is connected only to a supply with Zsys ≤ Zmax, respectively Ssc ≥ minimum Ssc value.	In accordance with EN/IEC 61000-3-11, respectively EN/IEC 61000-3-12, it may be necessary to consult the distribution network operator to ensure that the equipment is connected only to a supply with Zsys ≤ Zmax, respectively Ssc ≥ minimum Ssc value.	In accordance with EN/IEC 61000-3-11, respectively EN/IEC 61000-3-12, it may be necessary to consult the distribution network operator to ensure that the equipment is connected only to a supply with Zsys ≤ Zmax, respectively Ssc ≥ minimum Ssc value.	In accordance with EN/IEC 61000-3-11, respectively EN/IEC 61000-3-12, it may be necessary to consult the distribution network operator to ensure that the equipment is connected only to a supply with Zsys ≤ Zmax, respectively Ssc ≥ minimum Ssc value.	In accordance with EN/IEC 61000-3-11, respectively EN/IEC 61000-3-12, it may be necessary to consult the distribution network operator to ensure that the equipment is connected only to a supply with Zsys ≤ Zmax, respectively Ssc ≥ minimum Ssc value.	In accordance with EN/IEC 61000-3-11, respectively EN/IEC 61000-3-12, it may be necessary to consult the distribution network operator to ensure that the equipment is connected only to a supply with Zsys ≤ Zmax, respectively Ssc ≥ minimum Ssc value.	In accordance with EN/IEC 61000-3-11, respectively EN/IEC 61000-3-12, it may be necessary to consult the distribution network operator to ensure that the equipment is connected only to a supply with Zsys ≤ Zmax, respectively Ssc ≥ minimum Ssc value.
					EN/IEC 61000-3-11: European/international technical standard setting the limits for voltage changes, voltage fluctuations and flicker in public low-voltage supply systems for equipment with rated ≤ 75A	EN/IEC 61000-3-11: European/international technical standard setting the limits for voltage changes, voltage fluctuations and flicker in public low-voltage supply systems for equipment with rated ≤ 75A	EN/IEC 61000-3-11: European/international technical standard setting the limits for voltage changes, voltage fluctuations and flicker in public low-voltage supply systems for equipment with rated ≤ 75A	EN/IEC 61000-3-11: European/international technical standard setting the limits for voltage changes, voltage fluctuations and flicker in public low-voltage supply systems for equipment with rated ≤ 75A	EN/IEC 61000-3-11: European/international technical standard setting the limits for voltage changes, voltage fluctuations and flicker in public low-voltage supply systems for equipment with rated ≤ 75A	EN/IEC 61000-3-11: European/international technical standard setting the limits for voltage changes, voltage fluctuations and flicker in public low-voltage supply systems for equipment with rated ≤ 75A	EN/IEC 61000-3-11: European/international technical standard setting the limits for voltage changes, voltage fluctuations and flicker in public low-voltage supply systems for equipment with rated ≤ 75A
					EN/IEC 61000-3-12: European/international technical standard setting the limits for harmonic currents produced by equipment connected to public low-voltage system with input current > 16A and ≤ 75A per phase	EN/IEC 61000-3-12: European/international technical standard setting the limits for harmonic currents produced by equipment connected to public low-voltage system with input current > 16A and ≤ 75A per phase	EN/IEC 61000-3-12: European/international technical standard setting the limits for harmonic currents produced by equipment connected to public low-voltage system with input current > 16A and ≤ 75A per phase	EN/IEC 61000-3-12: European/international technical standard setting the limits for harmonic currents produced by equipment connected to public low-voltage system with input current > 16A and ≤ 75A per phase	EN/IEC 61000-3-12: European/international technical standard setting the limits for harmonic currents produced by equipment connected to public low-voltage system with input current > 16A and ≤ 75A per phase	EN/IEC 61000-3-12: European/international technical standard setting the limits for harmonic currents produced by equipment connected to public low-voltage system with input current > 16A and ≤ 75A per phase	EN/IEC 61000-3-12: European/international technical standard setting the limits for harmonic currents produced by equipment connected to public low-voltage system with input current > 16A and ≤ 75A per phase
					Ssc: Short-circuit power	Ssc: Short-circuit power	Ssc: Short-circuit power	Ssc: Short-circuit power	Ssc: Short-circuit power	Ssc: Short-circuit power	Ssc: Short-circuit power
					Zsys: system impedance	Zsys: system impedance	Zsys: system impedance	Zsys: system impedance	Zsys: system impedance	Zsys: system impedance	Zsys: system impedance
					Equipment contains fluorinated greenhouse gases. Actual refrigerant charge depends on the final unit construction, details can be found on the unit labels.	Equipment contains fluorinated greenhouse gases. Actual refrigerant charge depends on the final unit construction, details can be found on the unit labels.	Equipment contains fluorinated greenhouse gases. Actual refrigerant charge depends on the final unit construction, details can be found on the unit labels.	Equipment contains fluorinated greenhouse gases. Actual refrigerant charge depends on the final unit construction, details can be found on the unit labels.	Equipment contains fluorinated greenhouse gases. Actual refrigerant charge depends on the final unit construction, details can be found on the unit labels.	Equipment contains fluorinated greenhouse gases. Actual refrigerant charge depends on the final unit construction, details can be found on the unit labels.	Equipment contains fluorinated greenhouse gases. Actual refrigerant charge depends on the final unit construction, details can be found on the unit labels.
Compressor	Motor (ON-OFF)		Crankcase heater	W		33	33	33	33	33	33
				Model		ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF
Unit	Current		Zmax	Text		0.27	0.27	0.24	0.25	0.25	0.22
Fan motor 2	Output			W				350	750	750	350
Fan motor 3	Output			W							350
Fan motor 4	Output			W							350

					EWAQ016BAWP	EWAQ021BAWP	EWAQ025BAWP	EWAQ032BAWP	EWAQ040BAWP	EWAQ050BAWP	EWAQ064BAWP
Operation range	Air side	Cooling	Min.	°CDB	-5	-5	-5	-5	-5	-5	-5
			Max.	°CDB	43	43	43	43	43	43	43
	Water side	Cooling	Max.	°CDB	20	20	20	20	20	20	20
			Min.	°CDB	-10	-10	-10	-10	-10	-10	-10
Packing	Weight			kg	27	27	27	31	45	45	53
	Material				Carton, Wood, Plastic	Carton, Wood, Plastic	Carton, Wood, Plastic	Carton, Wood, Plastic	Carton, Wood, Plastic	Carton, Wood, Plastic	Carton, Wood, Plastic
Refrigerant charge	Per circuit			kg	7.6	7.6	7.6	9.6	15.2	15.2	19.2
	Per circuit			TCO2Eq	15.9	15.9	15.9	20.0	31.7	31.7	40.1
Compressor	Motor (INV)		Crankcase heater	W	33	33	33	33	33	33	33

				Quantity	1	1	1	1	2	2	2
				Model	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor (ON-OFF)			Quantity	0	1	1	2	2	2	4
	Quantity				1	2	2	3	4	4	6
	Compressor-=-Type				Hermetically sealed scroll compressor	Hermetically sealed scroll compressor	Hermetically sealed scroll compressor	Hermetically sealed scroll compressor	Hermetically sealed scroll compressor	Hermetically sealed scroll compressor	Hermetically sealed scroll compressor
Weight	Packed unit			kg	291	344	344	428	616	616	783
	Operation weight			kg	267	320	320	401	577	577	738
	Unit			kg	264	317	317	397	571	571	730
Air heat exchanger	Length			mm	1,778	1,778	1,778	2,088	1,778	1,778	2,088
	Fin			Treatment	Hydrophylic and anti-corrosion resistant	Hydrophylic and anti-corrosion resistant	Hydrophylic and anti-corrosion resistant	Hydrophylic and anti-corrosion resistant	Hydrophylic and anti-corrosion resistant	Hydrophylic and anti-corrosion resistant	Hydrophylic and anti-corrosion resistant
				Type	Non-symmetric waffle louvre	Non-symmetric waffle louvre	Non-symmetric waffle louvre	Non-symmetric waffle louvre	Non-symmetric waffle louvre	Non-symmetric waffle louvre	Non-symmetric waffle louvre
	Face area			m²	2.112	2.112	2.112	2.481	2.112	2.112	2.481
	Stages			Quantity	54	54	54	54	54	54	54
	Fin pitch			mm	2.0	2.0	2.0	2.0	2.0	2.0	2.0
	Rows			Quantity	2	2	2	2	2	2	2
	Passes			Quantity	18	18	18	21	18	18	21
	Type				Hi-XSS (8)	Hi-XSS (8)	Hi-XSS (8)	Hi-XSS (8)	Hi-XSS (8)	Hi-XSS (8)	Hi-XSS (8)
	Empty tubeplate hole				0	0	0	0	0	0	0
Refrigerant oil	Type				Synthetic (ether) oil	Synthetic (ether) oil	Synthetic (ether) oil	Synthetic (ether) oil	Synthetic (ether) oil	Synthetic (ether) oil	Synthetic (ether) oil
Refrigerant	Circuits			Quantity	1	1	1	1	1	1	1
	Refrigerant-=-Refrigerant control				Electronic expansion valve	Electronic expansion valve	Electronic expansion valve	Electronic expansion valve	Electronic expansion valve	Electronic expansion valve	Electronic expansion valve
	Refrigerant-=-Refrigerant type				R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A
	Refrigerant-=-Refrigerant gwp				2,087.5	2,087.5	2,087.5	2,087.5	2,087.5	2,087.5	2,087.5
Fan motor	Output			W	750	750	750	350	750	750	350
	Quantity				1	1	1	2	2	2	4
	Drive				Direct drive	Direct drive	Direct drive	Direct drive	Direct drive	Direct drive	Direct drive
	Model				Brushless DC motor	Brushless DC motor	Brushless DC motor	Brushless DC motor	Brushless DC motor	Brushless DC motor	Brushless DC motor
	Position				Vertical	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical
Cooling capacity	Nom.			kW	16.6 (1)	20.7 (1)	24.7 (1)	30.9 (1)	41.5 (1)	49.7 (1)	62.3 (1)
	Max.			kW	19.8 (1)	24.7 (1)	29.5 (1)	36.9 (1)	49.5 (1)	59.3 (1)	74.3 (1)
Water heat exchanger	Water volume			l	1.9	1.9	1.9	2.9	3.8	3.8	5.7
	Water pressure drop	Cooling	Total	kPa	20	30	42	30	30	42	30
	Model			Type	ACH70-40H	ACH70-40H	ACH70-40H	ACH70-60H	ACH70-40H	ACH70-40H	ACH70-60H
	Filter		Diameter perforations	mm	0.6	0.6	0.6	0.6	0.6	0.6	0.6
				Material	Brass	Brass	Brass	Brass	Brass	Brass	Brass
	Water flow rate	Cooling	Nom.	l/min	50 (1)	62 (1)	74 (1)	93 (1)	124 (1)	148 (1)	185 (1)
			Max	l/min	75	93	111	139	187	223	277
			Min.	l/min	23	23	23	36	46	46	72
	Insulation material				Nitrile rubber based elastomeric foam	Nitrile rubber based elastomeric foam	Nitrile rubber based elastomeric foam	Nitrile rubber based elastomeric foam	Nitrile rubber based elastomeric foam	Nitrile rubber based elastomeric foam	Nitrile rubber based elastomeric foam
	Quantity				1	1	1	1	2	2	2
	Type				Brazed plate	Brazed plate	Brazed plate	Brazed plate	Brazed plate	Brazed plate	Brazed plate
Power input	Cooling		Nom.	kW	5.80 (1)	7.59 (1)	9.74 (1)	13.5 (1)	15.4 (1)	19.7 (1)	27.4 (1)
Sound power level	Cooling		Nom.	dBA	78	78	78	80	81	81	83
Safety devices	Item			01	High pressure switch	High pressure switch	High pressure switch	High pressure switch	High pressure switch	High pressure switch	High pressure switch
				02	Overcurrent relay	Overcurrent relay	Overcurrent relay	Overcurrent relay	Overcurrent relay	Overcurrent relay	Overcurrent relay
				03	Inverter overload protector	Inverter overload protector	Inverter overload protector	Inverter overload protector	Inverter overload protector	Inverter overload protector	Inverter overload protector
				04	Fuse	Fuse	Fuse	Fuse	Fuse	Fuse	Fuse
Dimensions	Packed unit		Width	mm	1,394	1,394	1,394	1,707	2,377	2,377	2,997
			Height	mm	1,860	1,860	1,860	1,860	1,860	1,860	1,860
			Depth	mm	834	834	834	834	838	838	838
	Unit		Width	mm	1,371	1,371	1,371	1,684	2,358	2,358	2,980

			Depth	mm	774	774	774	774	780	780	780
			Height	mm	1,684	1,684	1,684	1,684	1,684	1,684	1,684
Capacity control	Maximum capacity			%	120	120	120	120	120	120	120
	Minimum capacity			%	25	25	25	25	25	25	25
	Method				Inverter controlled	Inverter controlled	Inverter controlled	Inverter controlled	Inverter controlled	Inverter controlled	Inverter controlled
Casing	Colour				Daikin White	Daikin White	Daikin White	Daikin White	Daikin White	Daikin White	Daikin White
	Material				Polyester coated galvanised steel plate	Polyester coated galvanised steel plate	Polyester coated galvanised steel plate	Polyester coated galvanised steel plate	Polyester coated galvanised steel plate	Polyester coated galvanised steel plate	Polyester coated galvanised steel plate
PED	Most critical part		Ps*V	Bar*l	335	335	335	385	335	335	385
	Category				Category II	Category II	Category II	Category II	Category II	Category II	Category II
Fan	External static pressure		Max.	Pa	78	78	78	78	78	78	78
	Air flow rate	Cooling	Nom.	m³/min	171	185	185	233	370	370	466
	Quantity				1	1	1	2	2	2	4
	Type				Axial	Axial	Axial	Axial	Axial	Axial	Axial
	Discharge direction				Vertical	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical
Water circuit	Total water volume			l	3.2 (3)	3.2 (3)	3.2 (3)	4.2 (3)	5.8 (3)	5.8 (3)	7.7 (3)
	Nominal water pressure drop		Cooling	kPa	44 (6)	66 (6)	92 (6)	106 (6)	53 (6)	71 (6)	67 (6)
	Piping			inch	1-1/4"	1-1/4"	1-1/4"	1-1/4"	1-1/2"	1-1/2"	1-1/2"
	Piping connections diameter			inch	1-1/4" (female)	1-1/4" (female)	1-1/4" (female)	1-1/4" (female)	2" (female)	2" (female)	2" (female)
	Minimum water volume in the system for cooling			l	33 (4)	33 (4)	33 (4)	33 (4)	66 (4)	66 (4)	66 (4)
	Safety valve			bar	3	3	3	3	3	3	3
	Air purge valve				Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Water circuit-=-Drain valve fill valve				Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Water circuit-=-Flowswitch				Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Shut off valve				Yes	Yes	Yes	Yes	Yes	Yes	Yes
Defrost control					Sensor for outdoor heat exchanger temperature	Sensor for outdoor heat exchanger temperature	Sensor for outdoor heat exchanger temperature	Sensor for outdoor heat exchanger temperature	Sensor for outdoor heat exchanger temperature	Sensor for outdoor heat exchanger temperature	Sensor for outdoor heat exchanger temperature
Template					Chillers air cooled	Chillers air cooled	Chillers air cooled	Chillers air cooled	Chillers air cooled	Chillers air cooled	Chillers air cooled
Eer					2.86 (1)	2.73 (1)	2.54 (1)	2.29 (1)	2.69 (1)	2.52 (1)	2.27 (1)
Eseer					4.21	4.18	4.04	3.62	4.24	4.12	3.78
Defrost method					Reversed cycle	Reversed cycle	Reversed cycle	Reversed cycle	Reversed cycle	Reversed cycle	Reversed cycle
Power supply	Voltage range		Max.	%	10	10	10	10	10	10	10
			Min.	%	-10	-10	-10	-10	-10	-10	-10
	Frequency			Hz	50	50	50	50	50	50	50
	Voltage			V	400	400	400	400	400	400	400
	Phase				3N~	3N~	3N~	3N~	3N~	3N~	3N~
Unit	Starting current		Max	A	0 (8)	77.7	78.7	88.7	99.8	101.9	120.7
	Running current		Max	A	22.2	25.3	26.4	35.2	47.4	49.6	67.2
	Unit-=-Minimum ssc value				1,141	853	853	840	1,706	1,706	1,679
	Recommended fuses				25	32	32	40	50	63	80
Cable requirements	Error output		Maximum running current	A	0,3	0,3	0,3	0,3	0,3	0,3	0,3
				Quantity of wires	2	2	2	2	2	2	2
	Operation ON/OFF output		Maximum running current	A	0,3	0,3	0,3	0,3	0,3	0,3	0,3
				Quantity of wires	2	2	2	2	2	2	2
	Remote control			Maximum running current	Minimum cable section 0,75 mm²	Minimum cable section 0,75 mm²	Minimum cable section 0,75 mm²	Minimum cable section 0,75 mm²	Minimum cable section 0,75 mm²	Minimum cable section 0,75 mm²	Minimum cable section 0,75 mm²
				Quantity of wires	2	2	2	2	2	2	2
	Pump ON/OFF output		Maximum running current	A	0.3	0.3	0.3	0.3	0.3	0.3	0.3
				Quantity of wires	2	2	2	2	2	2	2

	Power supply			Required number of conductors	4 + GND	4 + GND	4 + GND	4 + GND	4 + GND	4 + GND	4 + GND
	Cooling/Heating output		Maximum running current	A	0,3	0,3	0,3	0,3	0,3	0,3	0,3
				Quantity of wires	2	2	2	2	2	2	2
Notes					Condition: Ta 35°C - LWE 7°C (DT = 5°C)	Condition: Ta 35°C - LWE 7°C (DT = 5°C)	Condition: Ta 35°C - LWE 7°C (DT = 5°C)	Condition: Ta 35°C - LWE 7°C (DT = 5°C)	Condition: Ta 35°C - LWE 7°C (DT = 5°C)	Condition: Ta 35°C - LWE 7°C (DT = 5°C)	Condition: Ta 35°C - LWE 7°C (DT = 5°C)
					Capacity, Power Input, EER, COP, ESEER according EN14511-2011	Capacity, Power Input, EER, COP, ESEER according EN14511-2011	Capacity, Power Input, EER, COP, ESEER according EN14511-2011	Capacity, Power Input, EER, COP, ESEER according EN14511-2011	Capacity, Power Input, EER, COP, ESEER according EN14511-2011	Capacity, Power Input, EER, COP, ESEER according EN14511-2011	Capacity, Power Input, EER, COP, ESEER according EN14511-2011
					Including piping + PHE; excluding expansion vessel	Including piping + PHE; excluding expansion vessel	Including piping + PHE; excluding expansion vessel	Including piping + PHE; excluding expansion vessel	Including piping + PHE; excluding expansion vessel	Including piping + PHE; excluding expansion vessel	Including piping + PHE; excluding expansion vessel
					Excluding water volume in the unit. In most applications this minimum water volume will have a satisfying result. In critical processes or in rooms with a high heat load though, extra water volume might be required. Refer to operation range for more info.	Excluding water volume in the unit. In most applications this minimum water volume will have a satisfying result. In critical processes or in rooms with a high heat load though, extra water volume might be required. Refer to operation range for more info.	Excluding water volume in the unit. In most applications this minimum water volume will have a satisfying result. In critical processes or in rooms with a high heat load though, extra water volume might be required. Refer to operation range for more info.	Excluding water volume in the unit. In most applications this minimum water volume will have a satisfying result. In critical processes or in rooms with a high heat load though, extra water volume might be required. Refer to operation range for more info.	Excluding water volume in the unit. In most applications this minimum water volume will have a satisfying result. In critical processes or in rooms with a high heat load though, extra water volume might be required. Refer to operation range for more info.	Excluding water volume in the unit. In most applications this minimum water volume will have a satisfying result. In critical processes or in rooms with a high heat load though, extra water volume might be required. Refer to operation range for more info.	Excluding water volume in the unit. In most applications this minimum water volume will have a satisfying result. In critical processes or in rooms with a high heat load though, extra water volume might be required. Refer to operation range for more info.
					Excluding the water volume in the unit. This volume will guarantee suficient defrost energy for all applications, however, this volume can be multiplied by 0,66 if the heating sepoint is ≥ 45° C (eg. Fan coils)	Excluding the water volume in the unit. This volume will guarantee suficient defrost energy for all applications, however, this volume can be multiplied by 0,66 if the heating sepoint is ≥ 45° C (eg. Fan coils)	Excluding the water volume in the unit. This volume will guarantee suficient defrost energy for all applications, however, this volume can be multiplied by 0,66 if the heating sepoint is ≥ 45° C (eg. Fan coils)	Excluding the water volume in the unit. This volume will guarantee suficient defrost energy for all applications, however, this volume can be multiplied by 0,66 if the heating sepoint is ≥ 45° C (eg. Fan coils)	Excluding the water volume in the unit. This volume will guarantee suficient defrost energy for all applications, however, this volume can be multiplied by 0,66 if the heating sepoint is ≥ 45° C (eg. Fan coils)	Excluding the water volume in the unit. This volume will guarantee suficient defrost energy for all applications, however, this volume can be multiplied by 0,66 if the heating sepoint is ≥ 45° C (eg. Fan coils)	Excluding the water volume in the unit. This volume will guarantee suficient defrost energy for all applications, however, this volume can be multiplied by 0,66 if the heating sepoint is ≥ 45° C (eg. Fan coils)
					This is PD between inlet & outlet connections of unit. It includes the water side heat exchanger pressure drop.	This is PD between inlet & outlet connections of unit. It includes the water side heat exchanger pressure drop.	This is PD between inlet & outlet connections of unit. It includes the water side heat exchanger pressure drop.	This is PD between inlet & outlet connections of unit. It includes the water side heat exchanger pressure drop.	This is PD between inlet & outlet connections of unit. It includes the water side heat exchanger pressure drop.	This is PD between inlet & outlet connections of unit. It includes the water side heat exchanger pressure drop.	This is PD between inlet & outlet connections of unit. It includes the water side heat exchanger pressure drop.
					This is ESP between inlet & outlet connections of unit. It consists out of pump SP minus all internal PD's.	This is ESP between inlet & outlet connections of unit. It consists out of pump SP minus all internal PD's.	This is ESP between inlet & outlet connections of unit. It consists out of pump SP minus all internal PD's.	This is ESP between inlet & outlet connections of unit. It consists out of pump SP minus all internal PD's.	This is ESP between inlet & outlet connections of unit. It consists out of pump SP minus all internal PD's.	This is ESP between inlet & outlet connections of unit. It consists out of pump SP minus all internal PD's.	This is ESP between inlet & outlet connections of unit. It consists out of pump SP minus all internal PD's.
					No peak current because of inverter compressor	No peak current because of inverter compressor	No peak current because of inverter compressor	No peak current because of inverter compressor	No peak current because of inverter compressor	No peak current because of inverter compressor	No peak current because of inverter compressor
					In accordance with EN/IEC 61000-3-11, respectively EN/IEC 61000-3-12, it may be necessary to consult the distribution network operator to ensure that the equipment is connected only to a supply with Zsys ≤ Zmax, respectively Ssc ≥ minimum Ssc value.	In accordance with EN/IEC 61000-3-11, respectively EN/IEC 61000-3-12, it may be necessary to consult the distribution network operator to ensure that the equipment is connected only to a supply with Zsys ≤ Zmax, respectively Ssc ≥ minimum Ssc value.	In accordance with EN/IEC 61000-3-11, respectively EN/IEC 61000-3-12, it may be necessary to consult the distribution network operator to ensure that the equipment is connected only to a supply with Zsys ≤ Zmax, respectively Ssc ≥ minimum Ssc value.	In accordance with EN/IEC 61000-3-11, respectively EN/IEC 61000-3-12, it may be necessary to consult the distribution network operator to ensure that the equipment is connected only to a supply with Zsys ≤ Zmax, respectively Ssc ≥ minimum Ssc value.	In accordance with EN/IEC 61000-3-11, respectively EN/IEC 61000-3-12, it may be necessary to consult the distribution network operator to ensure that the equipment is connected only to a supply with Zsys ≤ Zmax, respectively Ssc ≥ minimum Ssc value.	In accordance with EN/IEC 61000-3-11, respectively EN/IEC 61000-3-12, it may be necessary to consult the distribution network operator to ensure that the equipment is connected only to a supply with Zsys ≤ Zmax, respectively Ssc ≥ minimum Ssc value.	In accordance with EN/IEC 61000-3-11, respectively EN/IEC 61000-3-12, it may be necessary to consult the distribution network operator to ensure that the equipment is connected only to a supply with Zsys ≤ Zmax, respectively Ssc ≥ minimum Ssc value.

					EN/IEC 61000-3-11: European/international technical standard setting the limits for voltage changes, voltage fluctuations and flicker in public low-voltage supply systems for equipment with rated ≤ 75A	EN/IEC 61000-3-11: European/international technical standard setting the limits for voltage changes, voltage fluctuations and flicker in public low-voltage supply systems for equipment with rated ≤ 75A	EN/IEC 61000-3-11: European/international technical standard setting the limits for voltage changes, voltage fluctuations and flicker in public low-voltage supply systems for equipment with rated ≤ 75A	EN/IEC 61000-3-11: European/international technical standard setting the limits for voltage changes, voltage fluctuations and flicker in public low-voltage supply systems for equipment with rated ≤ 75A	EN/IEC 61000-3-11: European/international technical standard setting the limits for voltage changes, voltage fluctuations and flicker in public low-voltage supply systems for equipment with rated ≤ 75A	EN/IEC 61000-3-11: European/international technical standard setting the limits for voltage changes, voltage fluctuations and flicker in public low-voltage supply systems for equipment with rated ≤ 75A	EN/IEC 61000-3-11: European/international technical standard setting the limits for voltage changes, voltage fluctuations and flicker in public low-voltage supply systems for equipment with rated ≤ 75A
					EN/IEC 61000-3-12: European/international technical standard setting the limits for harmonic currents produced by equipment connected to public low-voltage system with input current > 16A and ≤ 75A per phase	EN/IEC 61000-3-12: European/international technical standard setting the limits for harmonic currents produced by equipment connected to public low-voltage system with input current > 16A and ≤ 75A per phase	EN/IEC 61000-3-12: European/international technical standard setting the limits for harmonic currents produced by equipment connected to public low-voltage system with input current > 16A and ≤ 75A per phase	EN/IEC 61000-3-12: European/international technical standard setting the limits for harmonic currents produced by equipment connected to public low-voltage system with input current > 16A and ≤ 75A per phase	EN/IEC 61000-3-12: European/international technical standard setting the limits for harmonic currents produced by equipment connected to public low-voltage system with input current > 16A and ≤ 75A per phase	EN/IEC 61000-3-12: European/international technical standard setting the limits for harmonic currents produced by equipment connected to public low-voltage system with input current > 16A and ≤ 75A per phase	EN/IEC 61000-3-12: European/international technical standard setting the limits for harmonic currents produced by equipment connected to public low-voltage system with input current > 16A and ≤ 75A per phase
					Ssc: Short-circuit power	Ssc: Short-circuit power	Ssc: Short-circuit power	Ssc: Short-circuit power	Ssc: Short-circuit power	Ssc: Short-circuit power	Ssc: Short-circuit power
					Zsys: system impedance	Zsys: system impedance	Zsys: system impedance	Zsys: system impedance	Zsys: system impedance	Zsys: system impedance	Zsys: system impedance
					Equipment contains fluorinated greenhouse gases. Actual refrigerant charge depends on the final unit construction, details can be found on the unit labels.	Equipment contains fluorinated greenhouse gases. Actual refrigerant charge depends on the final unit construction, details can be found on the unit labels.	Equipment contains fluorinated greenhouse gases. Actual refrigerant charge depends on the final unit construction, details can be found on the unit labels.	Equipment contains fluorinated greenhouse gases. Actual refrigerant charge depends on the final unit construction, details can be found on the unit labels.	Equipment contains fluorinated greenhouse gases. Actual refrigerant charge depends on the final unit construction, details can be found on the unit labels.	Equipment contains fluorinated greenhouse gases. Actual refrigerant charge depends on the final unit construction, details can be found on the unit labels.	Equipment contains fluorinated greenhouse gases. Actual refrigerant charge depends on the final unit construction, details can be found on the unit labels.
Compressor	Motor (ON-OFF)		Crankcase heater	W		33	33	33	33	33	33
				Model		ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF
Unit	Current		Zmax	Text		0.27	0.27	0.24	0.25	0.25	0.22
Fan motor 2	Output			W				350	750	750	350
Fan motor 3	Output			W							350
Fan motor 4	Output			W							350