



Air Conditioning Technical Data RXTA-C



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RXTA-C

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1 Features

1 - 1 RXTA-C

- › Guaranteed heating capacity at low ambient temperature, down to -30°C
- › Developed for regions with severe winter conditions
- › Thanks to the unique free hanging coil of the outdoor unit, the defrost cycle is improved, resulting in lower running costs and no ice build-up



Guaranteed
operation
down to -30°C

2 Specifications

2 - 1 Specifications

Technical specifications			FTXTA30BW + RXTA30C	
Cooling capacity	Min.	kW	0.70	
	Min.	Btu/h	2,400	
	Min.	kcal/h	602	
	Nom.	kW	3.00	
	Nom.	Btu/h	10,200	
	Nom.	kcal/h	2,580	
	Max.	kW	4.50	
	Max.	Btu/h	15,400	
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.	kcal/h	-	
	Max.	kcal/h	-	
Heating capacity	Min.	kW	0.80	
	Min.	Btu/h	2,700	
	Min.	kcal/h	700	
	Nom.	kW	3.20	
	Nom.	Btu/h	10,900	
	Nom.	kcal/h	2,752	
	Max.	kW	6.90	
	Max.	Btu/h	23,500	
Power input	Cooling	Nom. kW	0.71	
	Heating	Nom. kW	0.66	
Nominal efficiency	EER		4.20	
	COP		4.87	
	Annual energy consumption	kWh	357	
	Energy labeling Directive	Cooling Heating	A A	
Space cooling	Energy efficiency class		A++	
	Capacity	Pdesign kW	3.00	
	SEER		7.63	
	Annual energy consumption	kWh/a	138	
Space heating (Average climate)	Capacity	Pdesign kW	2.60	
	Energy efficiency class		A+++	
	SCOP/A		5.10	
	SCOPnet/A		5.12	
	Pdh Heating capacity at -10°	kW	2.60	
Space heating (Average climate)	Annual energy consumption	kWh/a	714	
	Required back up heating cap at design conditions	kW	0.00	
Space heating (Cold climate)	Capacity	Pdesignh kW	3.80	
	Energy efficiency class		A+	
	SCOP/C		4.07	
	SCOPnet/C		4.13	
	Annual energy consumption	kWh/a	1,960	
Space cooling	Required back up heating cap at design conditions	kW	0.92	
	A Condition	Pdc kW	3.00	
	(35°C - 27/19)	EERd	4.20	
		Power input	kW	0.71
	B Condition	Pdc kW	2.22	
	(30°C - 27/19)	EERd	5.92	
		Power input	kW	0.38
	C Condition	Pdc kW	1.56	
	(25°C - 27/19)	EERd	8.83	
		Power input	kW	0.18
	D Condition	Pdc kW	1.09	
	(20°C - 27/19)	EERd	12.91	
		Power input	kW	0.08

2 Specifications

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Technical specifications				FTXTA30BW + RXTA30C	
Space heating (Average climate)	TOL	Tol (temperature operating limit)		°C	-10
		Pdh (declared heating cap)		kW	2.60
		COPd (declared COP)			2.85
		Power input		kW	0.91
	TBivalent	Tbiv (bivalent temperature)		°C	-10
		Pdh (declared heating cap)		kW	2.60
		COPd (declared COP)			2.85
		Power input		kW	0.91
	A Condition (-7°C)	Pdh (declared heating cap)		kW	2.31
		COPd (declared COP)			3.62
		Power input		kW	0.64
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.40
COPd (declared COP)			5.18		
Power input		kW	0.27		
C Condition (7°C)	Pdh (declared heating cap)		kW	1.04	
	COPd (declared COP)			6.19	
	Power input		kW	0.17	
Space heating (Average climate)	D Condition (12°C)	Pdh (declared heating cap)		kW	1.18
		COPd (declared COP)			7.59
		Power input		kW	0.16
Space heating (Cold climate)	TOL	Tol (temperature operating limit)		°C	-22
		Pdh (declared heating cap)		kW	2.88
		COPd (declared COP)			1.73
		Power input		kW	1.66
	TBivalent	Tbiv (bivalent temperature)		°C	-15
		Pdh (declared heating cap)		kW	3.10
		COPd (declared COP)			1.95
		Power input		kW	1.59
	A Condition (-15°C)	Pdh (declared heating cap)		kW	3.10
		COPd (declared COP)			1.95
		Power input		kW	1.59
	A Condition (-7°C)	Pdh (declared heating cap)		kW	2.31
		COPd (declared COP)			3.62
		Power input		kW	0.64
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.40
		COPd (declared COP)			5.18
		Power input		kW	0.27
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.04
		COPd (declared COP)			6.19
		Power input		kW	0.17
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.18
		COPd (declared COP)			7.59
		Power input		kW	0.16
	Power consumption in other than active mode	Crankcase heater mode	PCK		W
POFF			W	1	
Standby mode		Cooling	PSB	W	1
		Heating	PSB	W	1
Thermo-stat-off mode		PTO	Cooling	W	8
			Heating	W	15
Cooling	Cdc (Degradation cooling)			0.25	
Heating	Cdh (Degradation heating)			0.25	
Cooling function included					Yes
Heating function included					Yes
Average climate included					Yes
Cold season included					Yes
Warm season included					No
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	61
		Cooling	Nom.	dBA	60
	Piping length	Cooling	Measuring condition	m	5.00

Electrical specifications				FTXTA30BW + RXTA30C	
Power factor	Nominal	Cooling	%	97.60	
		Heating	%	94.80	

2 Specifications

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Electrical specifications				FTXTA30BW + RXTA30C
Current	Nominal running current (RLA)	Cooling	A	3.20
	Nominal running current (RLA) - 50Hz	Heating	A	3.00
Current - 50Hz	Maximum fuse amps (MFA)		A	16.00

Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. |
 Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m. |
 See separate drawing for electrical data |
 See separate drawing for operation range

Technical specifications				FTXTA30BB + RXTA30C
Cooling capacity	Min.		kW	0.70
	Min.		Btu/h	2,400
	Min.		kcal/h	602
	Nom.		kW	3.00
	Nom.		Btu/h	10,200
	Nom.		kcal/h	2,580
	Max.		kW	4.50
	Max.		Btu/h	15,400
	Max.		kcal/h	3,869
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.		kcal/h	-
	Max.		kcal/h	-
Heating capacity	Min.		kW	0.80
	Min.		Btu/h	2,700
	Min.		kcal/h	700
	Nom.		kW	3.20
	Nom.		Btu/h	10,900
	Nom.		kcal/h	2,752
	Max.		kW	6.90
	Max.		Btu/h	23,500
	Max.		kcal/h	5,933
Power input	Cooling	Nom.	kW	0.71
	Heating	Nom.	kW	0.66
Nominal efficiency	EER			4.20
	COP			4.87
	Annual energy consumption		kWh	357
	Energy labeling	Cooling		A
	Directive	Heating		A
Space cooling	Energy efficiency class			A++
	Capacity	Pdesign	kW	3.00
	SEER			7.63
	Annual energy consumption		kWh/a	138
Space heating (Average climate)	Capacity	Pdesign	kW	2.60
	Energy efficiency class			A+++
	SCOP/A			5.10
	SCOPnet/A			5.12
	Pdh Heating capacity at -10°		kW	2.60
Space heating (Average climate)	Annual energy consumption		kWh/a	714
	Required back up heating cap at design conditions		kW	0.00
Space heating (Cold climate)	Capacity	Pdesignh	kW	3.80
	Energy efficiency class			A+
	SCOP/C			4.07
	SCOPnet/C			4.13
	Annual energy consumption		kWh/a	1,960
	Required back up heating cap at design conditions		kW	0.92
Space cooling	A Condition (35°C - 27/19)	Pdc	kW	3.00
		EERd		4.20
		Power input	kW	0.71
	B Condition (30°C - 27/19)	Pdc	kW	2.22
		EERd		5.92
		Power input	kW	0.38
	C Condition (25°C - 27/19)	Pdc	kW	1.56
		EERd		8.83
		Power input	kW	0.18
	D Condition (20°C - 27/19)	Pdc	kW	1.09
		EERd		12.91
		Power input	kW	0.08

2 Specifications

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Technical specifications				FTXTA30BB + RXTA30C	
Space heating (Average climate)	TOL	Tol (temperature operating limit)		°C	-10
		Pd _h (declared heating cap)		kW	2.60
		COP _d (declared COP)			2.85
		Power input		kW	0.91
	TBivalent	T _{biv} (bivalent temperature)		°C	-10
		Pd _h (declared heating cap)		kW	2.60
		COP _d (declared COP)			2.85
		Power input		kW	0.91
	A Condition (-7°C)	Pd _h (declared heating cap)		kW	2.31
		COP _d (declared COP)			3.62
		Power input		kW	0.64
	B Condition (2°C)	Pd _h (declared heating cap)		kW	1.40
COP _d (declared COP)			5.18		
Power input		kW	0.27		
C Condition (7°C)	Pd _h (declared heating cap)		kW	1.04	
	COP _d (declared COP)			6.19	
	Power input		kW	0.17	
Space heating (Average climate)	D Condition (12°C)	Pd _h (declared heating cap)		kW	1.18
		COP _d (declared COP)			7.59
		Power input		kW	0.16
Space heating (Cold climate)	TOL	Tol (temperature operating limit)		°C	-22
		Pd _h (declared heating cap)		kW	2.88
		COP _d (declared COP)			1.73
		Power input		kW	1.66
	TBivalent	T _{biv} (bivalent temperature)		°C	-15
		Pd _h (declared heating cap)		kW	3.10
		COP _d (declared COP)			1.95
		Power input		kW	1.59
	A Condition (-15°C)	Pd _h (declared heating cap)		kW	3.10
		COP _d (declared COP)			1.95
		Power input		kW	1.59
	A Condition (-7°C)	Pd _h (declared heating cap)		kW	2.31
		COP _d (declared COP)			3.62
		Power input		kW	0.64
	B Condition (2°C)	Pd _h (declared heating cap)		kW	1.40
		COP _d (declared COP)			5.18
		Power input		kW	0.27
	C Condition (7°C)	Pd _h (declared heating cap)		kW	1.04
		COP _d (declared COP)			6.19
		Power input		kW	0.17
	D Condition (12°C)	Pd _h (declared heating cap)		kW	1.18
		COP _d (declared COP)			7.59
		Power input		kW	0.16
	Power consumption in other than active mode	Crankcase heater mode	PCK		W
POFF			W	1	
Standby mode		Cooling	PSB	W	1
		Heating	PSB	W	1
Thermo-stat-off mode		PTO	Cooling	W	8
			Heating	W	15
Cooling	C _{dc} (Degradation cooling)			0.25	
Heating	C _{dh} (Degradation heating)			0.25	
Cooling function included	Yes				
Heating function included	Yes				
Average climate included	Yes				
Cold season included	Yes				
Warm season included	No				
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	61
		Cooling	Nom.	dBA	60
	Piping length	Cooling	Measuring condition	m	5.00

Electrical specifications				FTXTA30BB + RXTA30C	
Power factor	Nominal	Cooling	%	97.60	
		Heating	%	94.80	

2 Specifications

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Electrical specifications				FTXTA30BB + RXTA30C
Current	Nominal running current (RLA)	Cooling	A	3.20
	Nominal running current (RLA) - 50Hz	Heating	A	3.00
Current - 50Hz	Maximum fuse amps (MFA)		A	16.00

Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. |
 Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m. |
 See separate drawing for electrical data |
 See separate drawing for operation range

Technical specifications				FTXTA30CB + RXTA30C
Cooling capacity	Min.		kW	1.2
	Min.		Btu/h	4,094.0
	Min.		kcal/h	1,031.0
	Nom.		kW	3.0
	Nom.		Btu/h	10,236.0
	Nom.		kcal/h	2,579.0
	Max.		kW	4.6
	Max.		Btu/h	15,695.0
	Max.		kcal/h	3,955.0
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.		kW	1.2
	Min.		Btu/h	4,094.0
	Min.		kcal/h	1,031.0
	Nom.		kW	3.0
	Nom.		Btu/h	10,236.0
	Nom.		kcal/h	2,579.0
	Max.		kW	4.6
	Max.		Btu/h	15,695.0
	Max.		kcal/h	3,955.0
Heating capacity	Min.		kW	0.8
	Min.		Btu/h	2,729.0
	Min.		kcal/h	687.0
	Nom.		kW	3.2
	Nom.		Btu/h	10,918.0
	Nom.		kcal/h	2,751.0
	Max.		kW	7.10
	Max.		Btu/h	24,226.0
	Max.		kcal/h	6,104.0
Heating capacity - Low sound mode (Stb. 2020, 189)	Min.		kW	0.8
	Min.		Btu/h	2,729.0
	Nom.		kW	3.2
	Nom.		Btu/h	10,918.0
	Nom.		kcal/h	2,751.0
	Max.		kW	5.6
	Max.		Btu/h	19,107.0
	Max.		kcal/h	4,815.0
	Power input	Cooling	Nom.	kW
Power input	Heating	Nom.	kW	0.64
Nominal efficiency	EER			4.89
	COP			5.01
	Annual energy consumption		kWh	310
	Energy labeling Directive	Cooling		A
	Heating		A	
Nominal efficiency - Low sound mode (Stb. 2020, 189)	EER			4.89
	COP			5.01
	Annual energy consumption		kWh	310
	Energy efficiency class			A+++
Space cooling	Capacity	Pdesign	kW	3.00
	SEER			8.75
	Annual energy consumption		kWh/a	120
	Capacity	Pdesign	kW	3.00
Space cooling - Low sound mode (Stb. 2020, 189)	SEER			8.75
	Annual energy consumption		kWh/a	120
	Capacity	Pdesign	kW	3.00
	Energy efficiency class			A+++
Space heating (Average climate)	SCOP/A			5.17
	SCOPnet/A			5.18
	Pdh Heating capacity at -10°		kW	3.00
	Annual energy consumption		kWh/a	812
	Required back up heating cap at design conditions		kW	0.00

2 Specifications

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Technical specifications				FTXTA30CB + RXTA30C
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	3.00
	SCOP/A			5.17
	SCOPnet/A			5.18
	Pdh Heating capacity at -10°		kW	3.00
	Annual energy consumption		kWh/a	812
Space heating (Cold climate)	Capacity	Pdesignh	kW	4.38
	Energy efficiency class			A+
	SCOP/C			4.09
	SCOPnet/C			4.14
	Annual energy consumption		kWh/a	2,248
Space cooling	Required back up heating cap at design conditions		kW	0.80
	A Condition	Pdc	kW	3.00
Space cooling	(35°C - 27/19)	EERd		4.89
	A Condition	Power input	kW	0.62
	(35°C - 27/19)			
	B Condition	Pdc	kW	2.22
	(30°C - 27/19)	EERd		7.58
		Power input	kW	0.30
	C Condition	Pdc	kW	1.55
	(25°C - 27/19)	EERd		10.57
		Power input	kW	0.15
	D Condition	Pdc	kW	1.62
(20°C - 27/19)	EERd		12.78	
	Power input	kW	0.13	
Space cooling - Low sound mode (Stb. 2020, 189)	A Condition	Pdc	kW	3.00
	(35°C - 27/19)	EERd		4.89
		Power input	kW	0.62
	B Condition	Pdc	kW	2.22
	(30°C - 27/19)	EERd		7.58
		Power input	kW	0.30
	C Condition	Pdc	kW	1.55
	(25°C - 27/19)	EERd		10.57
		Power input	kW	0.15
	D Condition	Pdc	kW	1.62
(20°C - 27/19)	EERd		12.78	
	Power input	kW	0.13	
Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C	-10
		Pdh (declared heating cap)	kW	3.00
		COPd (declared COP)		3.13
		Power input	kW	0.96
	TBivalent	Tbiv (bivalent temperature)	°C	-10.0
		Pdh (declared heating cap)	kW	3.00
		COPd (declared COP)		3.13
		Power input	kW	0.96
	A Condition	Pdh (declared heating cap)	kW	2.66
	(-7°C)	COPd (declared COP)		3.56
		Power input	kW	0.75
	B Condition	Pdh (declared heating cap)	kW	1.62
	(2°C)	COPd (declared COP)		5.21
		Power input	kW	0.32
	C Condition	Pdh (declared heating cap)	kW	1.04
(7°C)				
Space heating (Average climate)	C Condition	COPd (declared COP)		6.17
	(7°C)	Power input	kW	0.17
	D Condition	Pdh (declared heating cap)	kW	1.33
	(12°C)	COPd (declared COP)		7.92
	Power input	kW	0.17	

2 Specifications

2 - 1 Specifications

Technical specifications				FTXTA30CB + RXTA30C	
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	TOL	Tol (temperature operating limit)		°C	-10
		Pd _h (declared heating cap)		kW	3.00
		COP _d (declared COP)			3.13
		Power input		kW	0.96
	TBivalent	T _{biv} (bivalent temperature)		°C	-10.0
		Pd _h (declared heating cap)		kW	3.00
		COP _d (declared COP)			3.13
		Power input		kW	0.96
	A Condition (-7°C)	Pd _h (declared heating cap)		kW	2.66
		COP _d (declared COP)			3.56
		Power input		kW	0.75
	B Condition (2°C)	Pd _h (declared heating cap)		kW	1.62
		COP _d (declared COP)			5.21
		Power input		kW	0.32
	C Condition (7°C)	Pd _h (declared heating cap)		kW	1.04
COP _d (declared COP)			6.17		
Power input		kW	0.17		
D Condition (12°C)	Pd _h (declared heating cap)		kW	1.33	
	COP _d (declared COP)			7.92	
	Power input		kW	0.17	
Space heating (Cold climate)	TOL	Tol (temperature operating limit)		°C	-22
		Pd _h (declared heating cap)		kW	3.58
		COP _d (declared COP)			1.66
		Power input		kW	2.16
	TBivalent	T _{biv} (bivalent temperature)		°C	-15
		Pd _h (declared heating cap)		kW	3.58
		COP _d (declared COP)			1.99
		Power input		kW	1.80
	A Condition (-15°C)	Pd _h (declared heating cap)		kW	3.58
		COP _d (declared COP)			1.99
		Power input		kW	1.80
	A Condition (-7°C)	Pd _h (declared heating cap)		kW	2.66
		COP _d (declared COP)			3.56
		Power input		kW	0.75
	B Condition (2°C)	Pd _h (declared heating cap)		kW	1.62
COP _d (declared COP)			5.21		
Power input		kW	0.32		
C Condition (7°C)	Pd _h (declared heating cap)		kW	1.04	
	COP _d (declared COP)			6.17	
	Power input		kW	0.17	
D Condition (12°C)	Pd _h (declared heating cap)		kW	1.33	
	COP _d (declared COP)			7.92	
	Power input		kW	0.17	
Power consumption in other than active mode	Crankcase heater mode	PCK		W	0.0
		POFF		W	1.0
	Standby mode	Cooling	PSB	W	1.0
		Heating	PSB	W	1.0
	Thermo-stat-off mode	PTO	Cooling	W	9
Heating			W	10	
Cooling	C _{dc} (Degradation cooling)			0.25	
Heating	C _{dh} (Degradation heating)			0.25	
Cooling function included					Yes
Heating function included					Yes
Average climate included					Yes
Cold season included					Yes
Warm season included					No
Eurovent	Sound power level outdoor	Cooling	Nom.	dB(A)	60
		Cooling	Nom.	dB(A)	60
	Piping length	Cooling	Measuring condition	m	5.0
Electrical specifications				FTXTA30CB + RXTA30C	
Power factor	Nominal	Cooling	%		87.89
		Heating	%		88.67

2 Specifications

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Electrical specifications			FTXTA30CB + RXTA30C	
Current	Nominal running current (RLA) - 50Hz	Heating	A	2.86
	Nominal running current (RLA) - 60Hz	Heating	A	3.10
Current - 50Hz	Maximum fuse amps (MFA)		A	16

Technical specifications			FTXTA30CW + RXTA30C	
Cooling capacity	Min.		kW	1.2
	Min.		Btu/h	4,094.0
	Min.		kcal/h	1,031.0
	Nom.		kW	3.0
	Nom.		Btu/h	10,236.0
	Nom.		kcal/h	2,579.0
	Max.		kW	4.6
	Max.		Btu/h	15,695.0
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.		kW	1.2
	Min.		Btu/h	4,094.0
	Min.		kcal/h	1,031.0
	Nom.		kW	3.0
	Nom.		Btu/h	10,236.0
	Nom.		kcal/h	2,579.0
	Max.		kW	4.6
	Max.		Btu/h	15,695.0
Heating capacity	Min.		kW	0.8
	Min.		Btu/h	2,729.0
	Min.		kcal/h	687.0
	Nom.		kW	3.2
	Nom.		Btu/h	10,918.0
	Nom.		kcal/h	2,751.0
	Max.		kW	7.10
	Max.		Btu/h	24,226.0
Heating capacity - Low sound mode (Stb. 2020, 189)	Min.		kW	0.8
	Min.		Btu/h	2,729.0
	Nom.		kW	3.2
	Nom.		Btu/h	10,918.0
	Nom.		kcal/h	2,751.0
	Max.		kW	5.6
	Max.		Btu/h	19,107.0
	Max.		kcal/h	4,815.0
Power input	Cooling	Nom.	kW	0.62
Power input	Heating	Nom.	kW	0.64
Nominal efficiency	EER			4.89
	COP			5.01
	Annual energy consumption		kWh	310
	Energy labeling Directive	Cooling		A
	Heating		A	
Nominal efficiency - Low sound mode (Stb. 2020, 189)	EER			4.89
	COP			5.01
	Annual energy consumption		kWh	310
Space cooling	Energy efficiency class			A+++
	Capacity	Pdesign	kW	3.00
	SEER			8.75
	Annual energy consumption		kWh/a	120
Space cooling - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	3.00
	SEER			8.75
	Annual energy consumption		kWh/a	120
	Capacity	Pdesign	kW	3.00
Space heating (Average climate)	Energy efficiency class			A+++
	SCOP/A			5.17
	SCOPnet/A			5.18
	Pdh Heating capacity at -10°		kW	3.00
	Annual energy consumption		kWh/a	812
	Required back up heating cap at design conditions		kW	0.00

2 Specifications

2 - 1 Specifications

Technical specifications				FTXTA30CW + RXTA30C
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	3.00
	SCOP/A			5.17
	SCOPnet/A			5.18
	PdH Heating capacity at -10°			3.00
	Annual energy consumption			812 kWh/a
Space heating (Cold climate)	Capacity	Pdesignh	kW	4.38
	Energy efficiency class			A+
	SCOP/C			4.09
	SCOPnet/C			4.14
	Annual energy consumption			2,248 kWh/a
Space cooling	Required back up heating cap at design conditions			0.80
	A Condition	Pdc	kW	3.00
Space cooling	(35°C - 27/19)	EERd		4.89
	A Condition	Power input	kW	0.62
	(35°C - 27/19)			
	B Condition	Pdc	kW	2.22
	(30°C - 27/19)	EERd		7.58
	Power input			0.30
	C Condition	Pdc	kW	1.55
	(25°C - 27/19)	EERd		10.57
	Power input			0.15
	D Condition	Pdc	kW	1.62
Space cooling - Low sound mode (Stb. 2020, 189)	(20°C - 27/19)	EERd		12.78
	Power input			0.13
	A Condition	Pdc	kW	3.00
	(35°C - 27/19)	EERd		4.89
	Power input			0.62
	B Condition	Pdc	kW	2.22
	(30°C - 27/19)	EERd		7.58
	Power input			0.30
	C Condition	Pdc	kW	1.55
	(25°C - 27/19)	EERd		10.57
Space heating (Average climate)	Power input			0.15
	D Condition	Pdc	kW	1.62
	(20°C - 27/19)	EERd		12.78
	Power input			0.13
	TOL	Tol (temperature operating limit)	°C	-10
	PdH (declared heating cap)			3.00
	COPd (declared COP)			3.13
	Power input			0.96
	TBivalent	Tbiv (bivalent temperature)	°C	-10.0
	PdH (declared heating cap)			3.00
COPd (declared COP)			3.13	
Power input			0.96	
A Condition	PdH (declared heating cap)	kW	2.66	
(-7°C)	COPd (declared COP)		3.56	
Power input			0.75	
B Condition	PdH (declared heating cap)	kW	1.62	
(2°C)	COPd (declared COP)		5.21	
Power input			0.32	
C Condition	PdH (declared heating cap)	kW	1.04	
(7°C)				
Space heating (Average climate)	C Condition	COPd (declared COP)		6.17
	(7°C)	Power input	kW	0.17
	D Condition	PdH (declared heating cap)	kW	1.33
	(12°C)	COPd (declared COP)		7.92
Power input			0.17	

2 Specifications

2 - 1 Specifications

Technical specifications				FTXTA30CW + RXTA30C	
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	TOL	Tol (temperature operating limit)		°C	-10
		Pd _h (declared heating cap)		kW	3.00
		COP _d (declared COP)			3.13
		Power input		kW	0.96
	TBivalent	T _{biv} (bivalent temperature)		°C	-10.0
		Pd _h (declared heating cap)		kW	3.00
		COP _d (declared COP)			3.13
		Power input		kW	0.96
	A Condition (-7°C)	Pd _h (declared heating cap)		kW	2.66
		COP _d (declared COP)			3.56
		Power input		kW	0.75
	B Condition (2°C)	Pd _h (declared heating cap)		kW	1.62
		COP _d (declared COP)			5.21
		Power input		kW	0.32
	C Condition (7°C)	Pd _h (declared heating cap)		kW	1.04
COP _d (declared COP)			6.17		
Power input		kW	0.17		
D Condition (12°C)	Pd _h (declared heating cap)		kW	1.33	
	COP _d (declared COP)			7.92	
	Power input		kW	0.17	
Space heating (Cold climate)	TOL	Tol (temperature operating limit)		°C	-22
		Pd _h (declared heating cap)		kW	3.58
		COP _d (declared COP)			1.66
		Power input		kW	2.16
	TBivalent	T _{biv} (bivalent temperature)		°C	-15
		Pd _h (declared heating cap)		kW	3.58
		COP _d (declared COP)			1.99
		Power input		kW	1.80
	A Condition (-15°C)	Pd _h (declared heating cap)		kW	3.58
		COP _d (declared COP)			1.99
		Power input		kW	1.80
	A Condition (-7°C)	Pd _h (declared heating cap)		kW	2.66
		COP _d (declared COP)			3.56
		Power input		kW	0.75
	B Condition (2°C)	Pd _h (declared heating cap)		kW	1.62
COP _d (declared COP)			5.21		
Power input		kW	0.32		
C Condition (7°C)	Pd _h (declared heating cap)		kW	1.04	
	COP _d (declared COP)			6.17	
	Power input		kW	0.17	
D Condition (12°C)	Pd _h (declared heating cap)		kW	1.33	
	COP _d (declared COP)			7.92	
	Power input		kW	0.17	
Power consumption in other than active mode	Crankcase heater mode	PCK		W	0.0
		POFF		W	1.0
	Standby mode	Cooling	PSB	W	1.0
		Heating	PSB	W	1.0
	Thermo-stat-off mode	PTO	Cooling	W	9
Heating			W	10	
Cooling	C _{dc} (Degradation cooling)			0.25	
Heating	C _{dh} (Degradation heating)			0.25	
Cooling function included					Yes
Heating function included					Yes
Average climate included					Yes
Cold season included					Yes
Warm season included					No
Eurovent	Sound power level outdoor	Cooling	Nom.	dB(A)	60
		Cooling	Nom.	dB(A)	60
	Piping length	Cooling	Measuring condition	m	5.0
Electrical specifications				FTXTA30CW + RXTA30C	
Power factor	Nominal	Cooling	%		87.89
		Heating	%		88.67

2 Specifications

2 - 1 Specifications

Electrical specifications				FTXTA30CW + RXTA30C
Current	Nominal running current (RLA) - 50Hz	Heating	A	2.86
	Nominal running current (RLA) - 60Hz	Heating	A	3.10
Current - 50Hz	Maximum fuse amps (MFA)		A	16

Technical Specifications				RXTA30C	
Casing	Colour			Ivory white	
Dimensions	Unit	Height	mm	605	
		Width	mm	930	
		Depth	mm	376	
	Packed unit	Height	mm	662	
		Width	mm	991	
		Depth	mm	435	
Weight	Unit		kg	42	
	Packed unit		kg	45	
Packing	Weight		kg	3	
Heat exchanger	Length		mm	889	
	Rows	Quantity		2	
	Fin pitch		mm	1.40	
	Stages	Quantity		26	
	Passes	Quantity		4.0	
	Tube type			7.0 Hi-XD	
	Tube diameter		mm	7	
	Fin	Type			Waffle fin (PE)
	Fan	Type			Propeller fan
Fan	Air flow rate	Cooling	High	m ³ /min	41.5
				cfm	1,466
			Nom.	m ³ /min	41.5
			cfm	1,466	
		Medium	m ³ /min	38.0	
			cfm	1,342	
	Heating	High		m ³ /min	38.0
				cfm	1,342
			Silent operation	m ³ /min	38.0
			cfm	1,342	
		Medium		m ³ /min	32.9
				cfm	1,162
Low	m ³ /min		32.9		
	cfm	1,162			
Fan	Air flow rate	Heating	Low	m ³ /min	17.6
				cfm	622
	Silent operation		m ³ /min	17.6	
			cfm	622	
Fan motor	Model			DFC09A2VA	
	Output		W	90	
	Speed	Cooling	High	rpm	870
			Nom.	rpm	870
			Medium	rpm	800
			Low	rpm	800
	Heating	Super low		rpm	800
			High	rpm	870
			Nom.	rpm	700
			Low	rpm	400
Super low			rpm	400	
Medium			rpm	700	
Compressor	Model			2Y147BKCX1P#D	
	Oil Amount		cm ³	430	
	Type			Hermetically sealed swing compressor	
	Output		W	1,300.0	
	Oil Type			FW50DA	
Operation range	Cooling	Ambient	Min.	°CDB	-10
			Max.	°CDB	46
	Heating	Ambient	Min.	°CWB	-31
				°CDB	-30
			Max.	°CWB	18
				°CDB	24
Sound power level	Heating	Nom.		dBA	60.0

2 Specifications

2 - 1 Specifications

2

Technical Specifications				RXTA30C	
Sound power level - Low sound mode (Stb. 2020, 189)	Cooling	Max.	dBa	60	
		Night quiet mode	dBa	55.0	
	Heating	Max.	dBa	60	
		Night quiet mode	dBa	55.0	
		Tonal adjustment	dBa	0	
Sound pressure level	Cooling	Nom.	dBa	48.0	
	Heating	Nom.	dBa	49.0	
Refrigerant	Type			R-32	
	Charge		kg	0.97	
	Control			Expansion valve	
Refrigerant	GWP			675.0	
Piping connections	Liquid	OD	mm	6.35	
	Gas	OD	mm	9.50	
	Drain	OD	mm	18	
	Piping length	OU - IU	Max.	m	20
	Additional refrigerant charge		kg/m		0.02 (for piping length exceeding 10m)
	Level difference	IU - OU	Max.	m	15.0
	Heat insulation				Both liquid and gas pipes
Capacity control	Method			Variable (inverter)	

Standard accessories: Installation manual;Quantity: 1;

Standard accessories: Refrigerant charge label;Quantity: 1;

Standard accessories: Multilingual fluorinated greenhouse gases labels;Quantity: 1;

Electrical Specifications				RXTA30C
Power supply	Phase			1~
	Frequency		Hz	50
	Voltage		V	220-240
Wiring connections	For power supply	Quantity		3
		Remark		Earth wire included
	For connection with indoor	Quantity		4
		Remark		Earth wire included
Current - 50Hz	Maximum fuse amps (MFA)	A		16

 Contains fluorinated greenhouse gases |
 See separate drawing for operation range |
 See separate drawing for electrical data

3 Electrical data

3 - 1 Electrical Data

RXTA-C

Unit combination restrictions		Power supply				COMP		OFM		IFM		
Indoor unit	Outdoor unit	Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
FTXTM30S2V1B	RXTM30A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,72	16	34	3,1	0,049	0,58	0,034	0,30
		50	230					3,0				
		50	240					2,9				
FTXTM40S2V1B	RXTM40A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15,05	16	44	2,9	0,049	0,58	0,052	0,60
		50	230					2,8				
		50	240					2,7				
FTXTJ30A2V1BW FTXTJ30A2V1BB	RXTJ30A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,66	16	36	3,3	0,049	0,58	0,029	0,25
		50	230					3,2				
		50	240					3,1				
FTXTA30C2V1BW FTXTA30C2V1BB	RXTA30C2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,83	16	36	3,3	0,049	0,58	0,041	0,40
		50	230					3,2				
		50	240					3,1				
FVXTM30A3V1B	RXTM30A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,54	16	36	3,1	0,049	0,58	0,037	0,14
		50	230					3,0				
		50	240					2,9				
FTXTP25N5V1B	RXTTP25A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,88	16	34	3,5	0,049	0,58	0,037	0,45
		50	230					3,3				
		50	240					3,2				
FTXTP35N5V1B	RXTTP35A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,88	16	44	4,7	0,049	0,58	0,037	0,45
		50	230					4,5				
		50	240					4,3				

Symbols

- MCA: Minimum Circuit Amperes [A]
- MFA: Maximum Fuse Amperes [A]
- RLA: Rated Load Amperes [A]
- OFM: Outdoor fan motor
- IFM: Indoor fan motor
- RHz: Rated operating frequency [Hz]
- FLA: Full Load Amperes [A]
- kW: Fan motor rated output [kW]
- COMP: Compressor

Notes

- 1) The ·RLA· is based on the following conditions.
Outdoor temperature -35°C DB
Indoor temperature ·27°C DB / ·19°C WB
- 2) Select the wire size according to the MCA.
- 3) The maximum allowable voltage that is unbalanced between phases is ·2·%.
- 4) Use a circuit breaker instead of a fuse.

4D147511

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXA-CB / RXTA-C FTXA-CW / RXTA-C

4

AFR	13.1
BF	0,20

Cooling -50Hz 220-240V-

Indoor air temperature		Outdoor temperature [°C DB]																	
		20			25			30			32			35			40		
[°C WB]	[°C DB]	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	3,13	2,41	0,47	2,99	2,37	0,52	2,85	2,33	0,56	2,80	2,32	0,58	2,65	2,31	0,61	2,57	2,30	0,65
16	22	3,27	2,29	0,47	3,13	2,24	0,52	2,99	2,20	0,56	2,94	2,19	0,58	2,79	2,16	0,61	2,71	2,15	0,66
18	25	3,41	2,42	0,48	3,27	2,39	0,52	3,13	2,37	0,57	3,07	2,36	0,59	2,93	2,36	0,61	2,85	2,36	0,66
19	27	3,48	2,64	0,48	3,34	2,63	0,52	3,20	2,64	0,57	3,14	2,65	0,59	3,00	2,69	0,61	2,92	2,72	0,66
22	30	3,69	2,37	0,48	3,55	2,35	0,53	3,41	2,34	0,57	3,35	2,34	0,59	3,21	2,34	0,62	3,13	2,35	0,66
24	32	3,82	2,21	0,48	3,68	2,19	0,53	3,55	2,17	0,58	3,49	2,16	0,59	3,35	2,15	0,62	3,27	2,16	0,67

Heating -50Hz 220-240V-

AFR	12,3
-----	------

Indoor air temperature		Outdoor temperature [°C WB]															
		-25		-20		-15		-10		-5		0		6		10	
[°C DB]		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15		1,21	0,45	1,53	0,48	1,85	0,50	2,23	0,53	2,59	0,56	2,91	0,59	3,36	0,62	3,60	0,64
20		1,05	0,46	1,37	0,49	1,70	0,52	2,06	0,55	2,43	0,57	2,75	0,60	3,20	0,64	3,44	0,66
22		0,99	0,47	1,31	0,50	1,64	0,52	2,00	0,55	2,37	0,58	2,69	0,61	3,14	0,65	3,38	0,66
24		0,92	0,48	1,24	0,50	1,58	0,53	1,93	0,56	2,30	0,59	2,62	0,61	3,07	0,66	3,31	0,67
25		0,89	0,48	1,21	0,51	1,55	0,53	1,90	0,56	2,27	0,59	2,59	0,62	3,04	0,66	3,28	0,67
27		0,83	0,48	1,15	0,51	1,49	0,54	1,83	0,57	2,21	0,59	2,53	0,62	2,98	0,66	3,22	0,68

Heating capacity at nominal operating frequency, measured according to -EN14511-

Indoor air temperature		Outdoor temperature [°C WB]															
		-25		-20		-15		-10		-5		0		6		10	
[°C DB]		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
20		3,70	2,23	4,30	2,37	4,80	2,52	5,30	2,58	5,60	2,61	6,01	2,64	7,10	2,67	7,37	2,70

Heating peak capacity at maximum operating frequency.

Symbols

AFR	Air flow rate [m³/min]
BF	Bypass factor
EWB	Entering wet-bulb temperature [°C WB]
EDB	Entering dry-bulb temperature [°C DB]
TC	Total capacity [kW]
SHC	Sensible heat capacity [kW]
PI	Power input [kW]

Notes

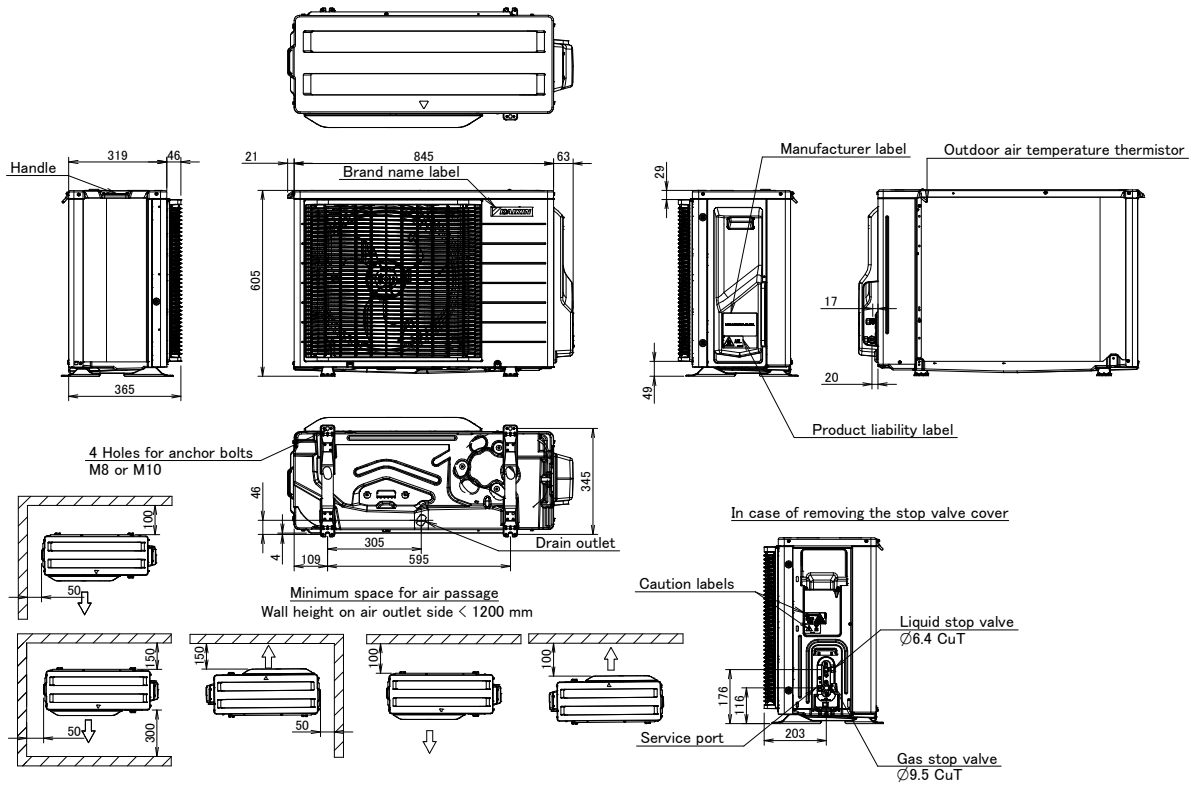
- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- Nominal capacity and nominal input
- The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
- In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
- The capacities are based on the following conditions:
Corresponding refrigerant piping length: 5 m
Level difference: 0 m
- The air flow rate and bypass factor are mentioned in the table.

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5 Dimensional drawings

5 - 1 Dimensional Drawings

RXTA-C



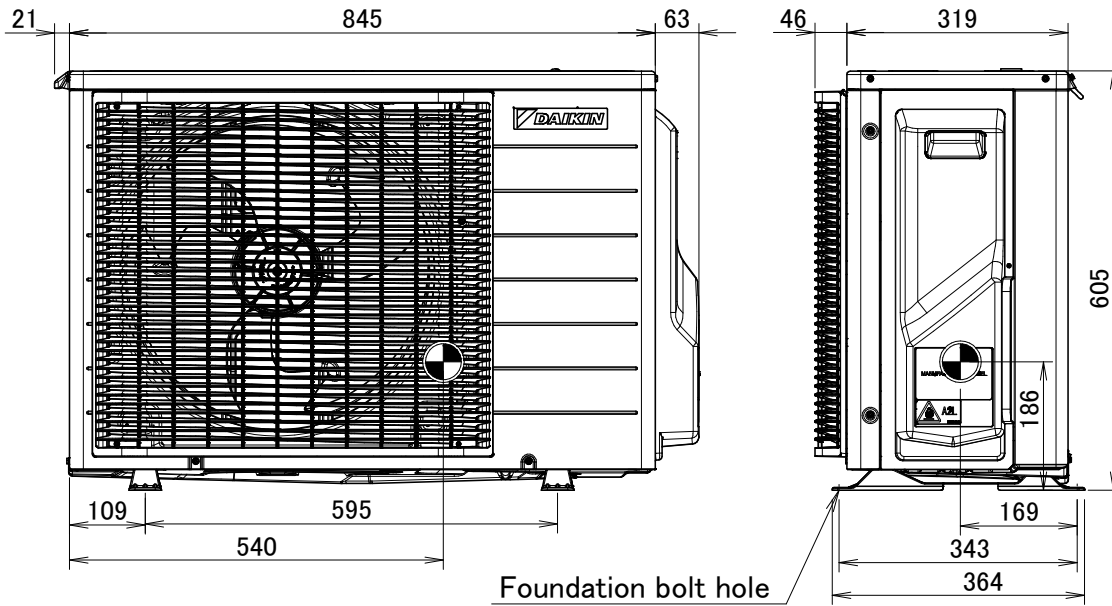
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6 Centre of gravity

6 - 1 Centre of Gravity

6

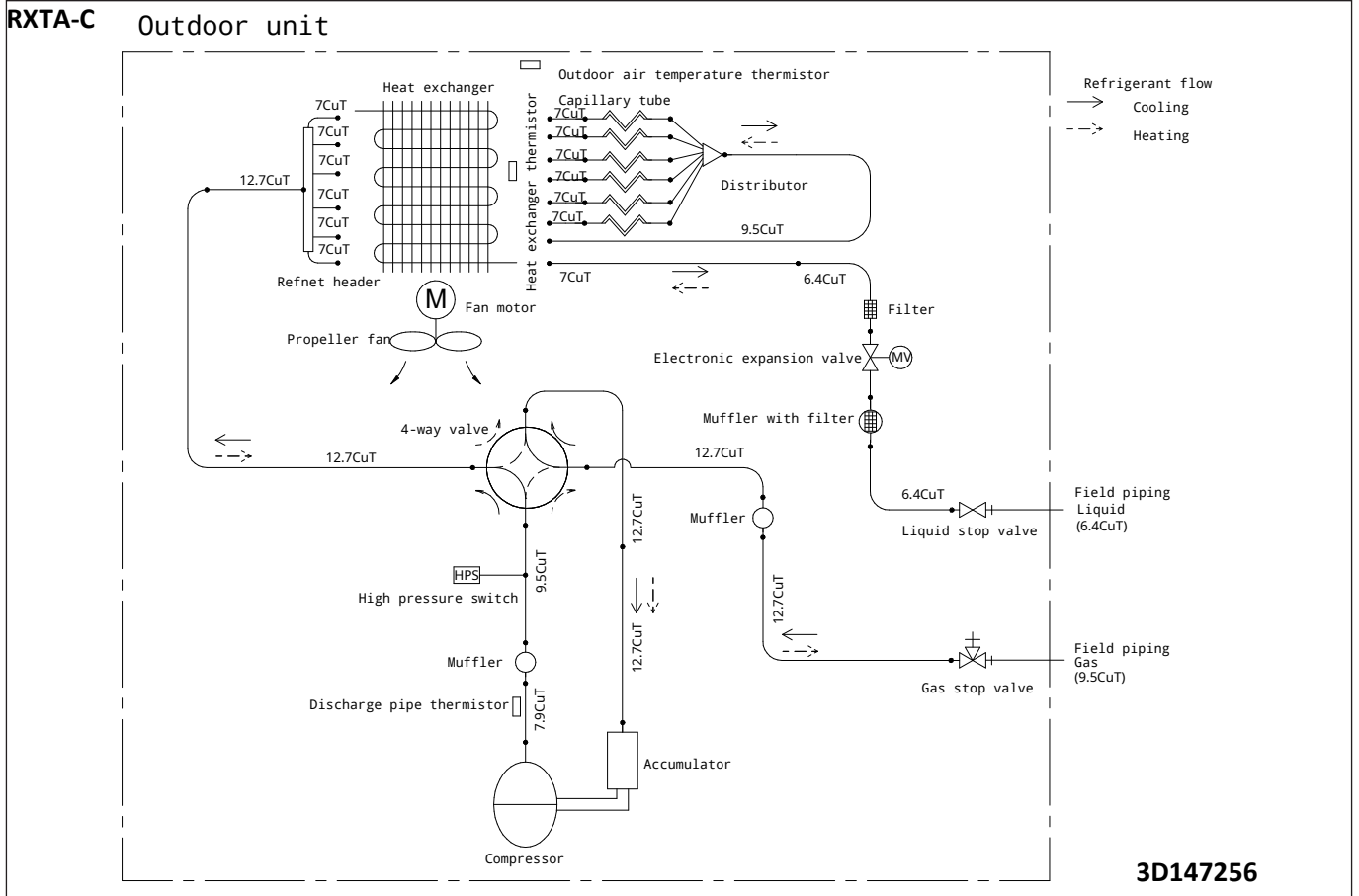
RXTA-C



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7 Piping diagrams

7 - 1 Piping Diagrams

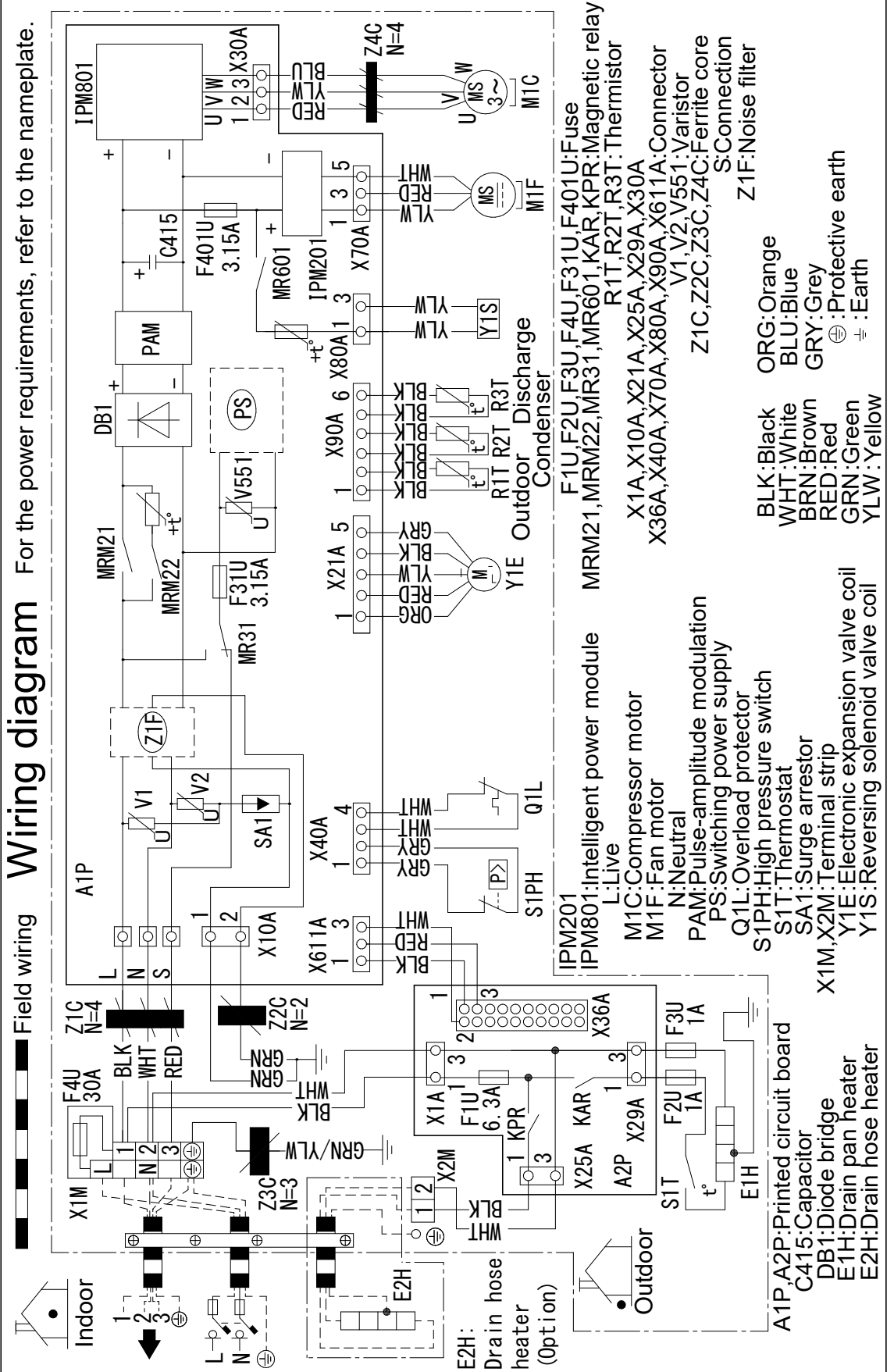


8 Wiring diagrams

8 - 1 Wiring Diagrams - Three Phase

RXTA-C

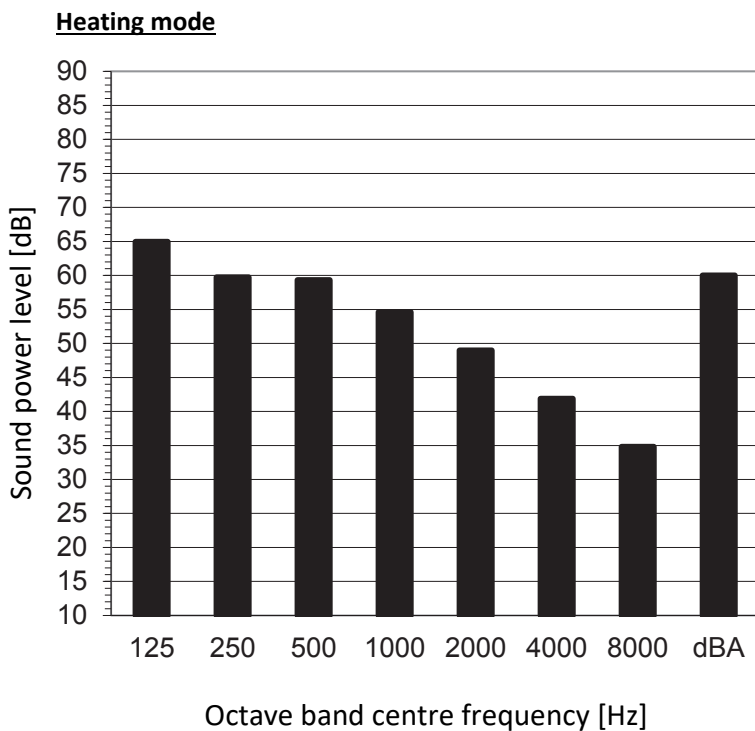
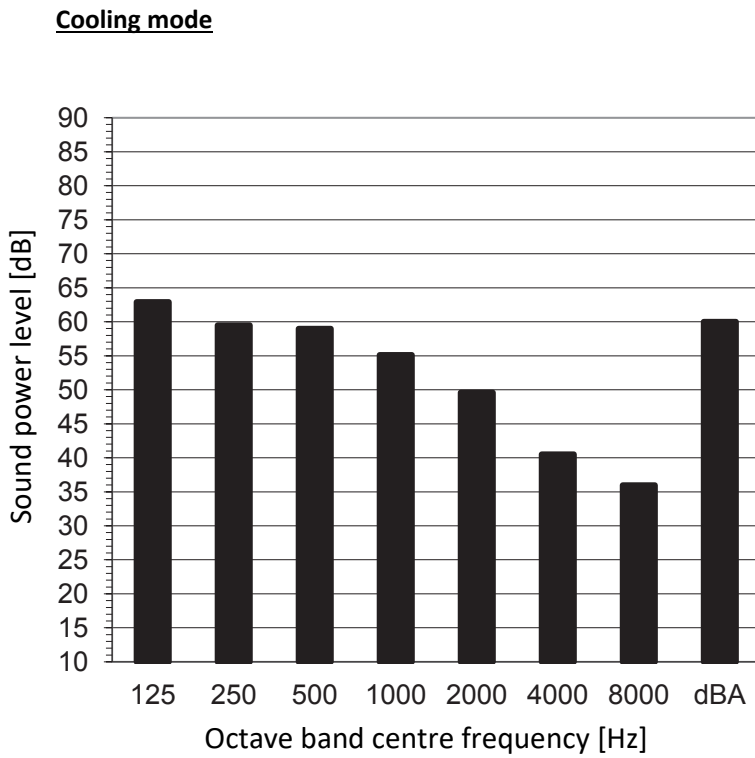
Field wiring **Wiring diagram** For the power requirements, refer to the nameplate.



9 Sound data

9 - 1 Sound Power Spectrum

RXTA-C



■ Fan speed: High

Notes

1. dBA = A-weighted sound power level (A scale according to IEC).
2. Reference acoustic power 0 dB = 10^{-12} W/m².
3. Measured according to ISO 3744

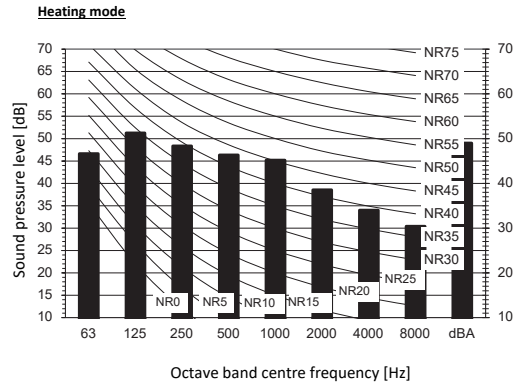
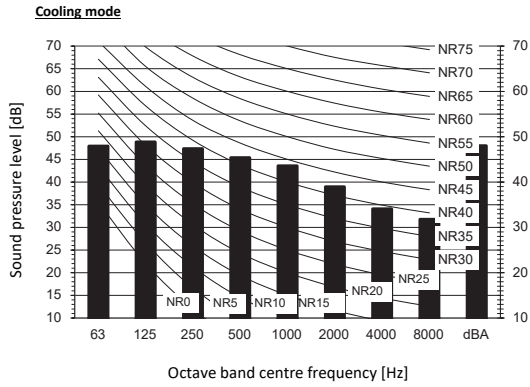
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9 Sound data

9 - 2 Sound Pressure Spectrum

9

RXTA-C



Cooling
Total dB

A	B
dBA	48

Heating
Total dB

A	B
dBA	49

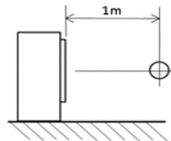
Legend

dBA = A-weighted sound pressure level (A scale according to IEC).

A Scale

B Fan speed: High

Location of microphone



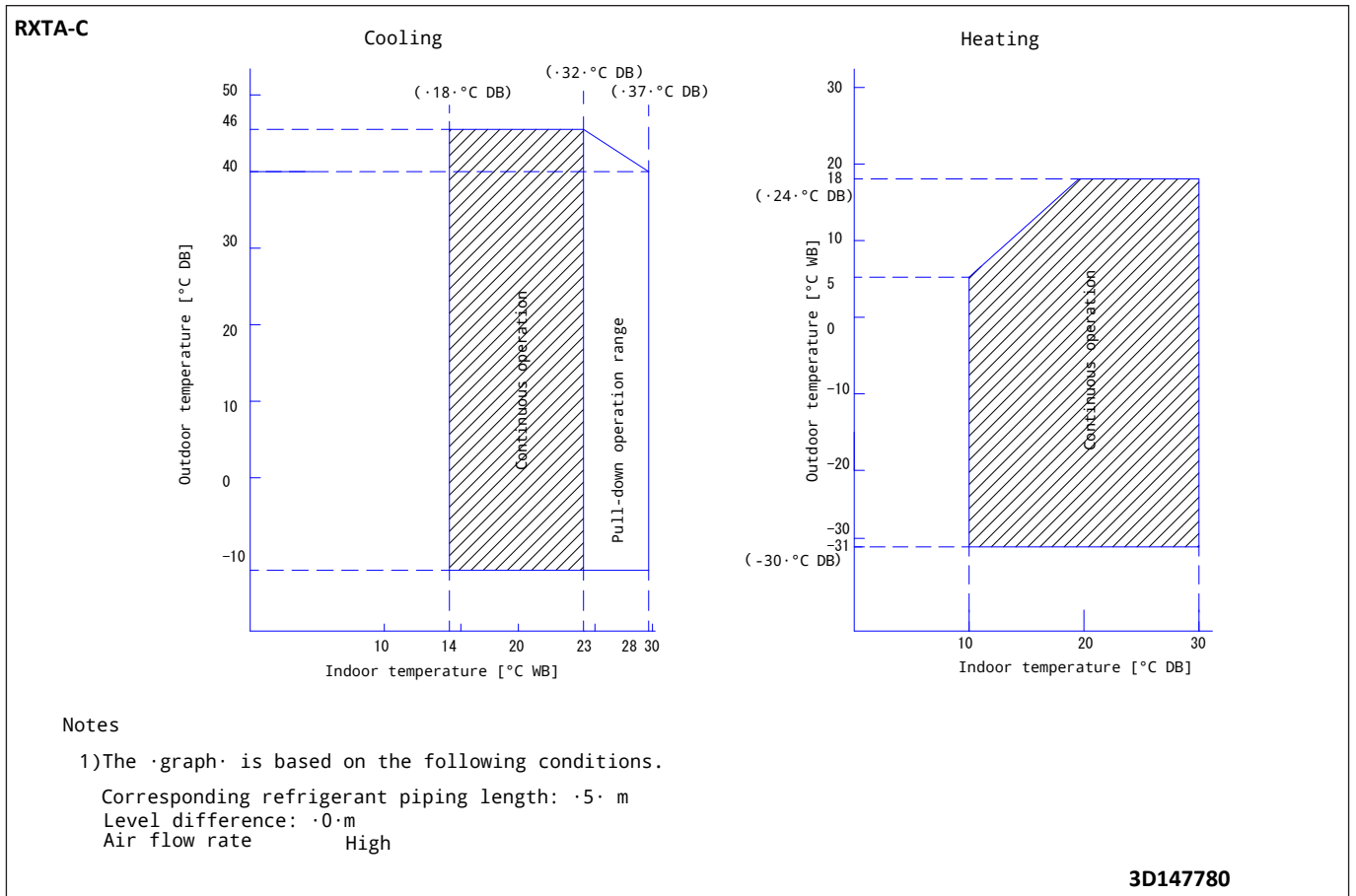
Notes

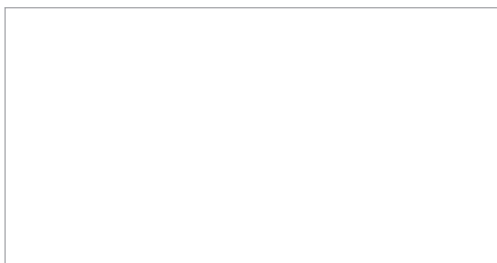
1. Operating conditions: power source 220-240 V 50 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

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10 Operation range

10 - 1 Operation Range





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