Air Conditioning Technical Data

RXTA-C



EEDEN23

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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



-30°
Guaranteed operation down to -30°C

2 Specifications

2 - 1 Specifications

Technical specifications				FTXTA30BB + RXTA30C
Cooling capacity			kW	0.70
			Btu/h	2,400
			kcal/h	602
	Nom.		kW	3.00
	Nom.		Btu/h	10,200
	Nom.		kcal/h	2,580
			kW	4.50
			Btu/h	15,400
			kcal/h	3,869
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.		kcal/h	-
	Max.		kcal/h	-
Heating capacity			kW	0.80
			Btu/h	2,700
			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 Directive	Cooling		A
		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

2 - 1 Specifications

Technical specifications					FTXTA30BB + 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	0
	Off mode	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
	Sound power level indoor	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

2 - 1 Specifications

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				FTXTA30BW + RXTA30C
Cooling capacity			kW	0.70
			Btu/h	2,400
			kcal/h	602
	Nom.		kW	3.00
	Nom.		Btu/h	10,200
	Nom.		kcal/h	2,580
			kW	4.50
			Btu/h	15,400
			kcal/h	3,869
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.		kcal/h	-
	Max.		kcal/h	-
Heating capacity			kW	0.80
			Btu/h	2,700
			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 Directive	Cooling		A
		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

2 - 1 Specifications

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	0
	Off mode	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
	Sound power level indoor	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

2 - 1 Specifications

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				FTXTA30CB + RXTA30C
Cooling capacity			kW	1.2
			Btu/h	4,094.0
			kcal/h	1,031.0
	Nom.		kW	3.0
	Nom.		Btu/h	10,236.0
	Nom.		kcal/h	2,579.0
			kW	4.6
			Btu/h	15,695.0
			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			kW	0.8
			Btu/h	2,729.0
			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	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
Space heating (Average climate)	Capacity	Pdesign	kW	3.00
	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				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
	Required back up heating cap at design conditions		kW	0.00
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
	Required back up heating cap at design conditions		kW	0.80
Space cooling	A Condition	Pdc	kW	3.00
	(35°C - 27/19)	EERd		4.89
Space cooling	A Condition (35°C - 27/19)	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 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 (7°C)	Pdh (declared heating cap)	kW	1.04
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
		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 (-7°C)	Pdh (declared heating cap)		kW	2.66
		COPd (declared COP)			3.56
		Power input		kW	0.75
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.62
		COPd (declared COP)			5.21
		Power input		kW	0.32
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.04
		COPd (declared COP)			6.17
		Power input		kW	0.17
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.33
		COPd (declared COP)			7.92
		Power input		kW	0.17
Space heating (Cold climate)	TOL	Tol (temperature operating limit)		°C	-22
		Pdh (declared heating cap)		kW	3.58
		COPd (declared COP)			1.66
		Power input		kW	2.16
	TBivalent	Tbiv (bivalent temperature)		°C	-15
		Pdh (declared heating cap)		kW	3.58
		COPd (declared COP)			1.99
		Power input		kW	1.80
	A Condition (-15°C)	Pdh (declared heating cap)		kW	3.58
		COPd (declared COP)			1.99
		Power input		kW	1.80
	A Condition (-7°C)	Pdh (declared heating cap)		kW	2.66
Space heating (Cold climate)	A Condition (-7°C)	COPd (declared COP)			3.56
		Power input		kW	0.75
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.62
		COPd (declared COP)			5.21
		Power input		kW	0.32
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.04
		COPd (declared COP)			6.17
		Power input		kW	0.17
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.33
		COPd (declared COP)			7.92
		Power input		kW	0.17
Power consumption in other than active mode	Crankcase heater mode	PCK		W	0.0
	Off mode	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	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	60
	Sound power level indoor	Cooling	Nom.	dBA	60
	Piping length	Cooling	Measuring condition	m	5.0

Electrical specifications				FTXTA30CB + RXTA30C
Power factor	Nominal	Cooling	%	87.89
		Heating	%	88.67

2 Specifications

2 - 1 Specifications

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			kW	1.2
			Btu/h	4,094.0
			kcal/h	1,031.0
	Nom.		kW	3.0
	Nom.		Btu/h	10,236.0
	Nom.		kcal/h	2,579.0
			kW	4.6
			Btu/h	15,695.0
			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			kW	0.8
			Btu/h	2,729.0
			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	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
Space heating (Average climate)	Capacity	Pdesign	kW	3.00
	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°		kW	3.00
	Annual energy consumption		kWh/a	812
	Required back up heating cap at design conditions		kW	0.00
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
	Required back up heating cap at design conditions		kW	0.80
Space cooling	A Condition	Pdc	kW	3.00
	(35°C - 27/19)	EERd		4.89
Space cooling	A Condition (35°C - 27/19)	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 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 (7°C)	Pdh (declared heating cap)	kW	1.04
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					FTXTA30CW + RXTA30C
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	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 (-7°C)	Pdh (declared heating cap)		kW	2.66
		COPd (declared COP)			3.56
		Power input		kW	0.75
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.62
		COPd (declared COP)			5.21
		Power input		kW	0.32
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.04
		COPd (declared COP)			6.17
		Power input		kW	0.17
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.33
		COPd (declared COP)			7.92
		Power input		kW	0.17
Space heating (Cold climate)	TOL	Tol (temperature operating limit)		°C	-22
		Pdh (declared heating cap)		kW	3.58
		COPd (declared COP)			1.66
		Power input		kW	2.16
	TBivalent	Tbiv (bivalent temperature)		°C	-15
		Pdh (declared heating cap)		kW	3.58
		COPd (declared COP)			1.99
		Power input		kW	1.80
	A Condition (-15°C)	Pdh (declared heating cap)		kW	3.58
		COPd (declared COP)			1.99
		Power input		kW	1.80
	A Condition (-7°C)	Pdh (declared heating cap)		kW	2.66
Space heating (Cold climate)	A Condition (-7°C)	COPd (declared COP)			3.56
		Power input		kW	0.75
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.62
		COPd (declared COP)			5.21
		Power input		kW	0.32
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.04
		COPd (declared COP)			6.17
		Power input		kW	0.17
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.33
		COPd (declared COP)			7.92
		Power input		kW	0.17
Power consumption in other than active mode	Crankcase heater mode	PCK		W	0.0
	Off mode	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	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	60
	Sound power level indoor	Cooling	Nom.	dBA	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
	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
			Low	m^3/min	38.0
				cfm	1,342
			Silent operation	m^3/min	38.0
				cfm	1,342
		Heating	High	m^3/min	41.5
				cfm	1,466
			Nom.	m^3/min	32.9
				cfm	1,162
			Medium	m^3/min	32.9
				cfm	1,162
			Low	m^3/min	17.6
Fan	Air flow rate	Heating	Low	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
			Super low	rpm	800
		Heating	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

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	RXTP25A2V1B	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	RXTP35A2V1B	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.

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4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXTA-CB / RXTA-C
FTXTA-CW / RXTA-C

Cooling -50Hz 220 -240V-

AFR	13.1
BF	0,20

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

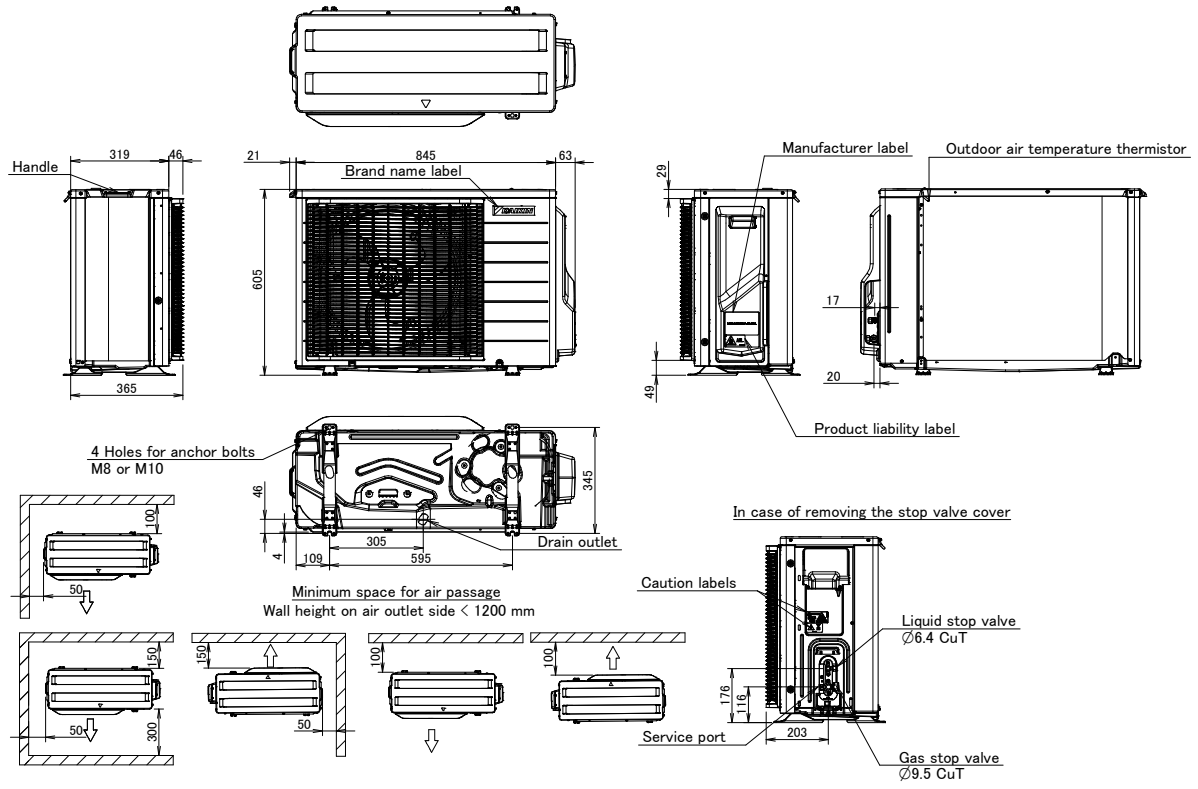
1. The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. ☐ Nominal capacity and nominal input
3. The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
4. In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
5. The capacities are based on the following conditions:
   Corresponding refrigerant piping length: -5- m
   Level difference: -0-m
6. 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

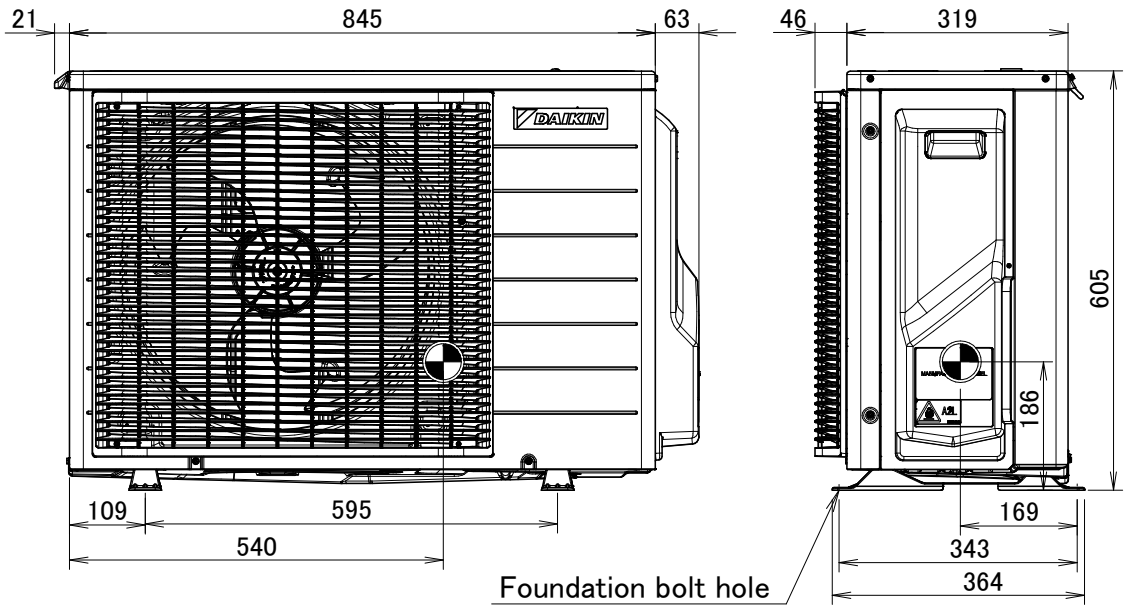


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6 Centre of gravity

6 - 1 Centre of Gravity

RXTA-C

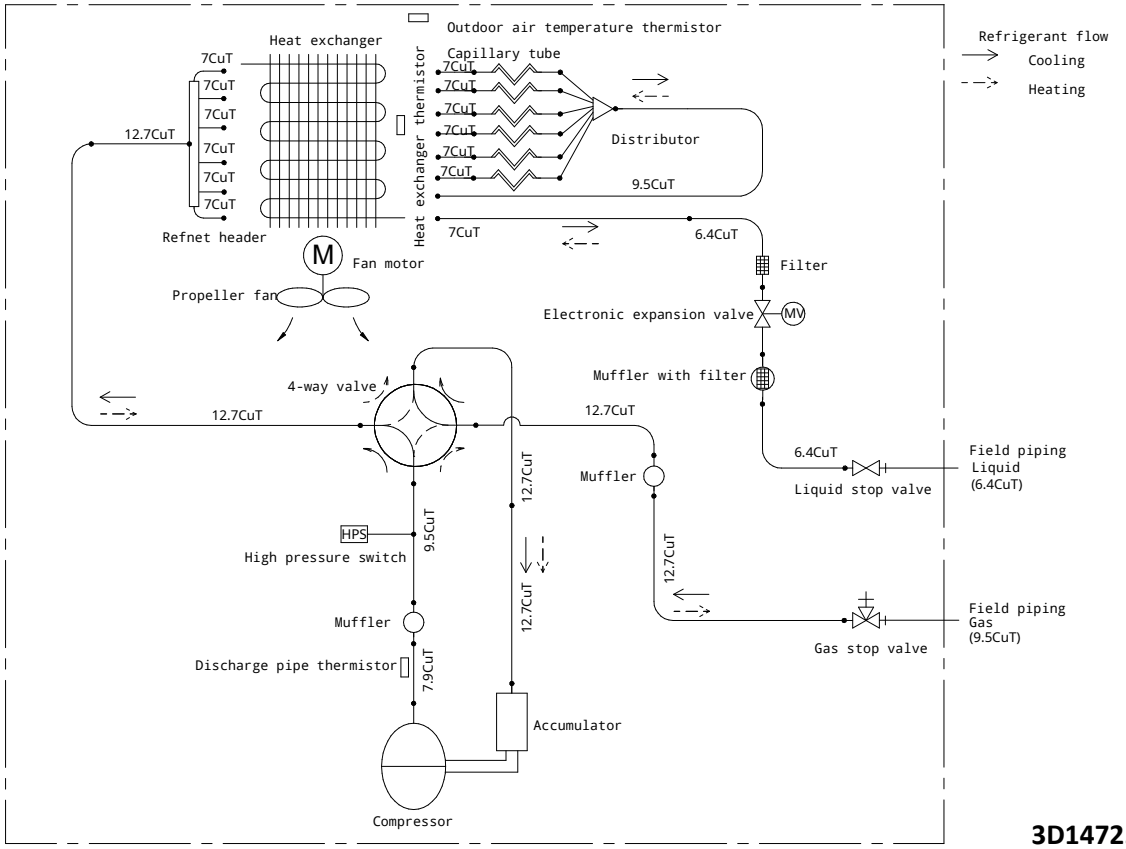


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7 Piping diagrams

7 - 1 Piping Diagrams

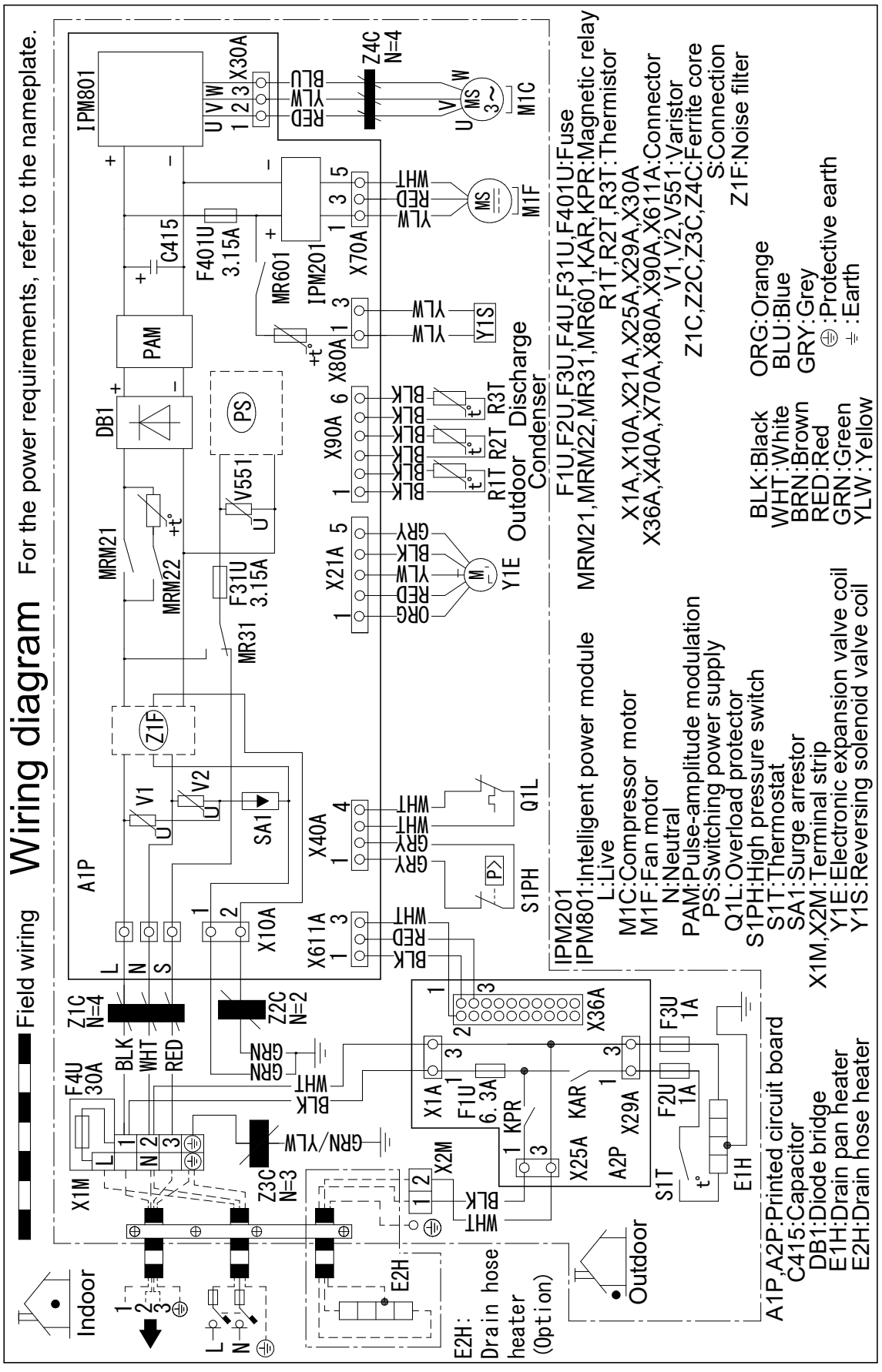
RXTA-C Outdoor unit



8 Wiring diagrams

8 - 1 Wiring Diagrams - Three Phase

RXTA-C

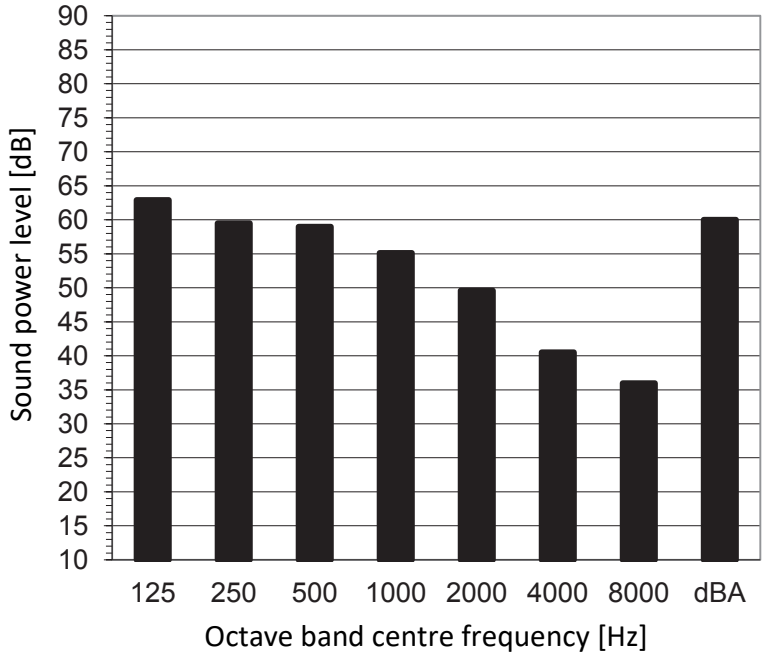


9 Sound data

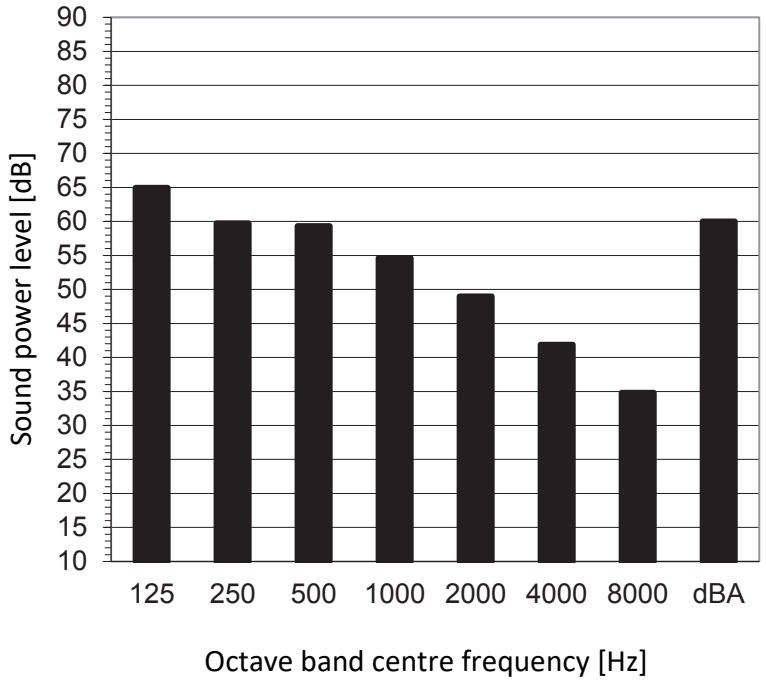
9 - 1 Sound Power Spectrum

RXTA-C

Cooling mode



Heating mode



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

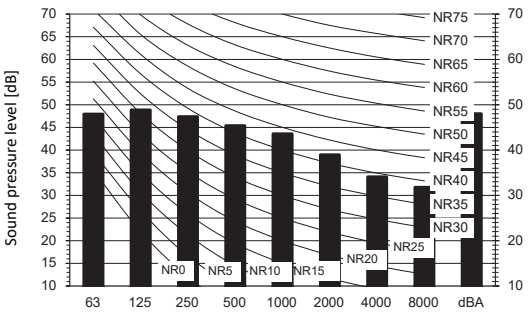
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9 Sound data

9 - 2 Sound Pressure Spectrum

RXTA-C

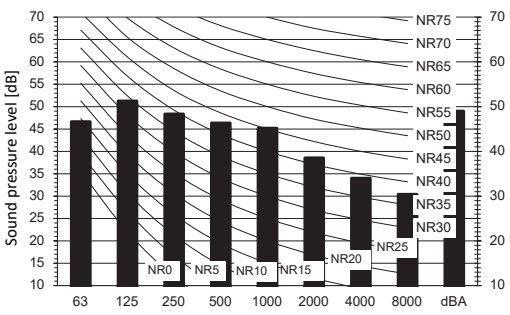
Cooling mode



Cooling
Total dB

A	B
dBA	48

Heating mode



Heating
Total dB

A	B
dBA	49

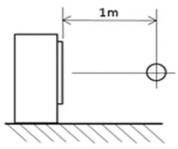
Legend

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

A Scale

B Fan speed: High

Location of microphone



Notes

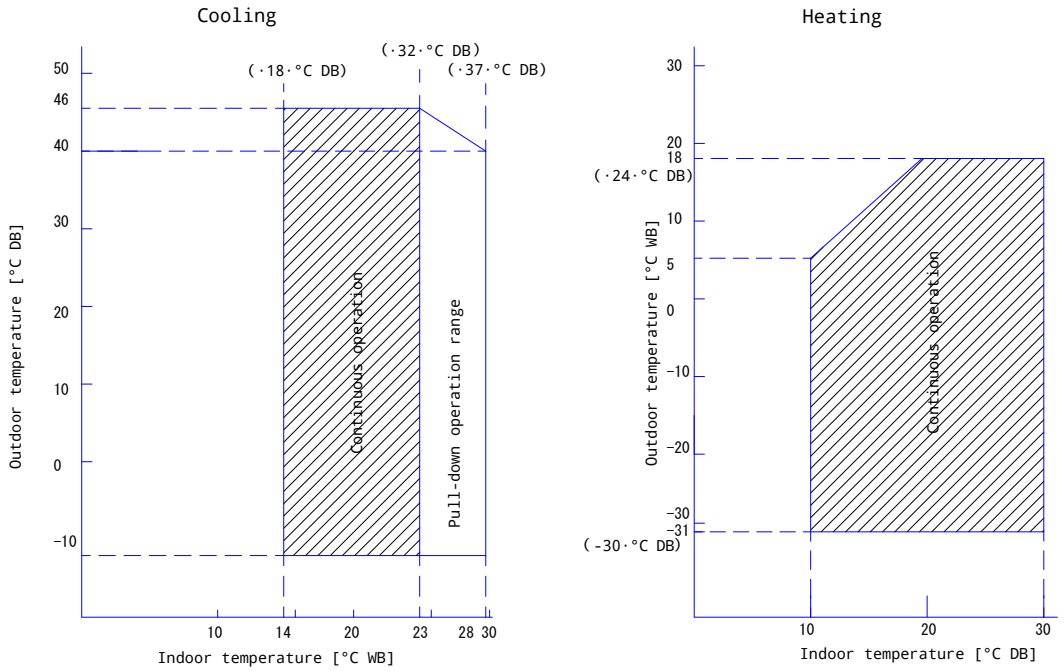
1. Operating conditions: power source 220-240 V 50 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

4D147892

10 Operation range

10 - 1 Operation Range

RXTA-C



Notes

1)The ·graph· is based on the following conditions.

Corresponding refrigerant piping length: ·5· m
Level difference: ·0·m
Air flow rate High

3D147780

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