Technical data book
ARXM-R

EEDEN20

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ARXM-R

1 Features

1 - 1 ARXM-R

› Anti-corrosion treated outdoor heat exchanger fin
› Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
› Daikin outdoor units are neat, sturdy and can easily be mounted on a roof or terrace or simply placed against an outside wall
› Outdoor units are fitted with a swing compressor, renowned for its low noise and high energy efficiency
› Outdoor units for pair application

Outdoor unit silent operation

2 Specifications

1 - 1 ARXM-R

Technical specifications				ADEA35A + ARXM35R	ADEA50A + ARXM50R	ADEA60A + ARXM60R	ADEA71A + ARXM71R
Cooling capacity	Nom.		kW	3.40	5.00	5.70	6.80
	Nom.		Btu/h	11,600	17,100	19,400	23,200
	Nom.		kcal/h	2,923	4,299	4,901	5,847
	Max.		kW		-		6.98
	Max.		Btu/h		-		23,800
	Max.		kcal/h		-		6,002
Heating capacity	Nom.		kW	4.00	5.50	7.00	7.50
	Nom.		Btu/h	13,600	18,800	23,900	25,600
	Nom.		kcal/h	3,439	4,729	6,019	6,449
	Max.		kW		-		7.66
	Max.		Btu/h		-		26,100
	Max.		kcal/h		-		6,586
Power input	Cooling	Nom.	kW	0.90	1.53	1.66	2.31
	Heating	Nom.	kW	1.01	1.47	1.93	2.15
Nominal efficiency	EER			3.76	3.27	3.43	2.95
	COP			3.97	3.74	3.63	3.49
	Annual energy consumption		kWh	452	765	831	1,153
	Energy labeling Directive	Cooling			A		C
		Heating			A		B
Space cooling	Capacity	Pdesign	kW	3.40	5.00	5.70	6.80
	Energy efficiency class				A+		A
	SEER			5.75	5.65	5.74	5.35
	Annual energy consumption		kWh/a	207	310	347	445
Space heating (Average climate)	Capacity	Pdesign	kW	2.90	4.40	4.60	6.00
	Energy efficiency class				A+		A
	SCOP/A				4.00		3.80
	SCOPnet/A			4.03	4.04	4.03	3.83
	Pdh Heating capacity at -10°		kW	2.41	3.73	4.00	4.83
	Annual energy consumption		kWh/a	1,014	1,538	1,610	2,209
	Required back up heating cap at design conditions		kW	0.49	0.67	0.60	1.17
Space heating (Warm climate)	Capacity	Pdesignh	kW	1.57	2.37	2.44	3.23
	Energy efficiency class			A+++	A+		A++
	SCOP			5.11	4.33	4.37	4.63
	SCOPnet			5.18	4.40	4.44	4.69
	Annual energy consumption		kWh/a	430	766	782	977
	Required back up heating cap at design conditions		kW		0.00		
Space cooling	A Condition (35°C - 27/19)	Pdc	kW	3.40	5.00	5.70	6.80
		EERd		3.76	3.27	3.43	2.95
		Power input	kW	0.90	1.53	1.66	2.31
	B Condition (30°C - 27/19)	Pdc	kW	2.51	3.64	4.20	5.01
		EERd		5.06	4.64	4.86	4.23
		Power input	kW	0.50	0.78	0.86	1.18
	C Condition (25°C - 27/19)	Pdc	kW	1.73	2.36	2.70	3.22
		EERd		7.43	7.31	7.48	7.05
		Power input	kW	0.23	0.32	0.36	0.46
	D Condition (20°C - 27/19)	Pdc	kW	1.61	1.98	2.13	1.87
		EERd		8.29	9.17	8.24	7.55
		Power input	kW	0.19	0.22	0.26	0.25

2 Specifications

1 - 1 ARXM-R

Technical specifications					ADEA35A + ARXM35R	ADEA50A + ARXM50R	ADEA60A + ARXM60R	ADEA71A + ARXM71R
Space heating (Average climate)	TOL	Tol (temperature operating limit)		°C	-15			
		Pdh (declared heating cap)		kW	2.15	3.47	3.85	4.03
		COPd (declared COP)			2.37	1.95	2.11	1.71
		Power input		kW	0.91	1.78	1.82	2.36
	TBivalent	Tbiv (bivalent temperature)		°C	-7			
		Pdh (declared heating cap)		kW	2.57	3.89	4.09	5.31
		COPd (declared COP)			2.73	3.09	3.01	2.27
		Power input		kW	0.94	1.26	1.36	2.34
	A Condition (-7°C)	Pdh (declared heating cap)		kW	2.57	3.89	4.09	5.31
		COPd (declared COP)			2.73	3.09	3.01	2.27
		Power input		kW	0.94	1.26	1.36	2.34
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.57	2.37	2.44	3.23
		COPd (declared COP)			3.89	4.20	4.18	3.93
		Power input		kW	0.40	0.56	0.58	0.82
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.02	1.61	1.60	2.08
		COPd (declared COP)			5.18	4.34	4.41	5.00
		Power input		kW	0.20	0.37	0.36	0.42
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.19	1.58	1.79	1.58
		COPd (declared COP)			6.38	5.23	5.32	5.10
		Power input		kW	0.19	0.30	0.34	0.31
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	-15			
		Pdh (declared heating cap)		kW	2.15	3.47	3.85	4.03
		COPd (declared COP)			2.37	1.95	2.11	1.71
		Power input		kW	0.91	1.78	1.82	2.36
	TBivalent	Tbiv (bivalent temperature)		°C	2			
Space heating (Warm climate)	TBivalent	Pdh (declared heating cap)		kW	1.57	2.37	2.44	3.23
		COPd (declared COP)			3.89	4.20	4.18	3.93
		Power input		kW	0.40	0.56	0.58	0.82
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.57	2.37	2.44	3.23
		COPd (declared COP)			3.89	4.20	4.18	3.93
		Power input		kW	0.40	0.56	0.58	0.82
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.02	1.61	1.60	2.08
		COPd (declared COP)			5.18	4.34	4.41	5.00
		Power input		kW	0.20	0.37	0.36	0.42
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.19	1.58	1.79	1.58
		COPd (declared COP)			6.38	5.23	5.32	5.10
		Power input		kW	0.19	0.30	0.34	0.31
Power consumption in other than active mode	Off mode	POFF		W	7	10		
	Standby mode	Cooling	PSB	W	7	10		
		Heating	PSB	W	7	9		
	Thermostat-off mode	PTO	Cooling	W	7	13		
			Heating	W	7	17		
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					No			
Warm season included					Yes			
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	61	62	63	65
	Sound power level indoor	Cooling	Nom.	dBA	60		56	
	Piping length	Cooling	Measuring condition	m	5			

See separate drawing for operation range |
See separate drawing for electrical data |
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.

2 Specifications

1 - 1 ARXM-R

Technical specifications				ATXM25R + ARXM25R	ATXM25R + ARXM25R	ATXM35R + ARXM35R	ATXM35R + ARXM35R	ATXM50R + ARXM50R
Cooling capacity	Min.		kW	1.30		1.40		1.70
	Min.		Btu/h	4,400		4,800		5,800
	Min.		kcal/h	1,118		1,204		1,462
	Nom.		kW	2.50		3.40		5.00
	Nom.		Btu/h	8,500		11,600		17,100
	Nom.		kcal/h	2,150		2,923		4,299
	Max.		kW	3.20		4.00		6.00
	Max.		Btu/h	10,900		13,600		20,500
	Max.		kcal/h	2,752		3,439		5,159
Heating capacity	Min.		kW	1.30		1.40		1.70
	Min.		Btu/h	4,400		4,800		5,800
	Min.		kcal/h	1,100		1,200		1,500
	Nom.		kW	2.80		4.00		5.80
	Nom.		Btu/h	9,600		13,600		19,800
	Nom.		kcal/h	2,408		3,439		4,987
	Max.		kW	4.70		5.20		7.70
	Max.		Btu/h	16,000		17,700		26,300
	Max.		kcal/h	4,041		4,471		6,621
Power input	Cooling	Nom.	kW	0.56		0.80		1.45
	Heating	Nom.	kW	0.56		0.99		1.53
Nominal efficiency	EER			4.50		4.23		3.45
	COP			5.00		4.04		3.79
	Annual energy consumption		kWh	278		402		725
	Energy labeling Directive	Cooling		A				
		Heating		A				
Space cooling	Capacity	Pdesign	kW	2.50		3.40		5.00
	Energy efficiency class			A+++				A++
	SEER			8.55				7.35
	Annual energy consumption		kWh/a	102		139		238
Space heating (Average climate)	Capacity	Pdesign	kW	2.40		2.50		4.60
	Energy efficiency class			A+++				A++
	SCOP/A			5.10				4.65
	SCOPnet/A			5.14				4.69
	Pdh Heating capacity at -10°		kW	2.30		2.35		3.85
	Annual energy consumption		kWh/a	659		686		1,384
	Required back up heating cap at design conditions		kW	0.10		0.15		0.75
Space heating (Warm climate)	Capacity	Pdesignh	kW	1.29		1.35		2.48
	Energy efficiency class			A+++				
	SCOP			6.15		6.14		5.97
	SCOPnet			6.23		6.17		6.08
	Annual energy consumption		kWh/a	294		308		581
	Required back up heating cap at design conditions		kW	0.00				
Space cooling	A Condition (35°C - 27/19)	Pdc	kW	2.50		3.40		5.00
		EERd		4.50		4.23		3.45
		Power input	kW	0.56		0.80		1.45
	B Condition (30°C - 27/19)	Pdc	kW	1.85		2.51		3.69
		EERd		6.38		6.16		5.55
		Power input	kW	0.29		0.41		0.66
	C Condition (25°C - 27/19)	Pdc	kW	1.19		1.62		2.37
		EERd		10.02		10.04		8.29
		Power input	kW	0.12		0.16		0.29
	D Condition (20°C - 27/19)	Pdc	kW	1.17		1.07		1.83
		EERd		16.51		16.24		14.55
		Power input	kW	0.07				0.13

2 Specifications

1 - 1 ARXM-R

Technical specifications					ATXM25R + ARXM25R	ATXM25R + ARXM25R	ATXM35R + ARXM35R	ATXM35R + ARXM35R	ATXM50R + ARXM50R
Space heating (Average climate)	TOL	Tol (temperature operating limit)		°C	-20				
		Pdh (declared heating cap)		kW	2.14				3.12
		COPd (declared COP)			2.30		2.49		2.06
		Power input		kW	0.93		0.86		1.51
	TBivalent	Tbiv (bivalent temperature)		°C	-7				
		Pdh (declared heating cap)		kW	2.13		2.22		4.07
		COPd (declared COP)			3.61		3.55		2.85
		Power input		kW	0.59		0.62		1.43
	A Condition (-7°C)	Pdh (declared heating cap)		kW	2.13		2.22		4.07
		COPd (declared COP)			3.61		3.55		2.85
		Power input		kW	0.59		0.62		1.43
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.29		1.35		2.48
		COPd (declared COP)			5.13		5.12		4.61
		Power input		kW	0.25		0.26		0.54
	C Condition (7°C)	Pdh (declared heating cap)		kW	0.94		0.93		1.61
		COPd (declared COP)			6.28		6.23		6.41
		Power input		kW	0.15				0.25
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.08				1.80
		COPd (declared COP)			7.87		7.68		7.13
Space heating (Average climate)	D Condition (12°C)	Power input		kW	0.14				0.25
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	-20				
		Pdh (declared heating cap)		kW	2.14				3.12
		COPd (declared COP)			2.30		2.49		2.06
		Power input		kW	0.93		0.86		1.51
	TBivalent	Tbiv (bivalent temperature)		°C	2				
		Pdh (declared heating cap)		kW	1.29		1.35		2.48
		COPd (declared COP)			5.13		5.12		4.61
		Power input		kW	0.25		0.26		0.54
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.29		1.35		2.48
		COPd (declared COP)			5.13		5.12		4.61
		Power input		kW	0.25		0.26		0.54
	C Condition (7°C)	Pdh (declared heating cap)		kW	0.94		0.93		1.61
		COPd (declared COP)			6.28		6.23		6.41
		Power input		kW	0.15				0.25
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.08				1.80
		COPd (declared COP)			7.87		7.68		7.13
		Power input		kW	0.14				0.25
Power consumption in other than active mode	Off mode	POFF		W	1				
	Standby mode	Cooling	PSB	W	1				
		Heating	PSB	W	1				
	Thermostat-off mode	PTO	Cooling	W	6				12
			Heating	W	7				13
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					No				
Warm season included					Yes				
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	58		61		62
	Sound power level indoor	Cooling	Nom.	dBA	58				62
	Piping length	Cooling	Measuring condition	m	5.00				

See separate drawing for operation range |
See separate drawing for electrical data |
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.

Technical specifications	ATXM25N + ARXM25R	ATXM35N + ARXM35R
Indoor unit	ATXM25N2V1B	ATXM35N2V1B
Outdoor unit	ARXM25R5V1B	ARXM35R5V1B

2 Specifications

1 - 1 ARXM-R

Technical specifications				ATXM25N + ARXM25R	ATXM35N + ARXM35R
Cooling capacity	Min.		kW	1.30	1.40
	Min.		Btu/h	4,400	4,800
	Min.		kcal/h	1,118	1,204
	Nom.		kW	2.50	3.40
	Nom.		Btu/h	8,500	11,600
	Nom.		kcal/h	2,150	2,923
	Max.		kW	3.20	4.00
	Max.		Btu/h	10,900	13,600
	Max.		kcal/h	2,752	3,439
Heating capacity	Min.		kW	1.30	1.40
	Min.		Btu/h	4,400	4,800
	Min.		kcal/h	1,100	1,200
	Nom.		kW	2.80	4.00
	Nom.		Btu/h	9,600	13,600
	Nom.		kcal/h	2,408	3,439
	Max.		kW	4.70	5.20
	Max.		Btu/h	16,000	17,700
	Max.		kcal/h	4,041	4,471
Power input	Cooling	Nom.	kW	0.57	0.83
	Heating	Nom.	kW	0.56	0.99
Nominal efficiency	EER			4.39	4.09
	COP			5.00	4.04
	Annual energy consumption		kWh	285	416
	Energy labeling Directive	Cooling		A	
		Heating		A	
Space cooling	Capacity	Pdesign	kW	2.50	3.40
	Energy efficiency class			A+++	
	SEER			8.55	
	Annual energy consumption		kWh/a	102	139
Space heating (Average climate)	Capacity	Pdesign	kW	2.40	2.50
	Energy efficiency class			A+++	
	SCOP/A			5.10	
	SCOPnet/A			5.14	
	Pdh Heating capacity at -10°		kW	2.30	2.35
Space heating (Average climate)	Annual energy consumption		kWh/a	659	687
	Required back up heating cap at design conditions		kW	0.10	0.15
Space heating (Warm climate)	Capacity	Pdesignh	kW	1.29	1.35
	Energy efficiency class			A+++	
	SCOP			6.15	6.14
	SCOPnet			6.26	6.30
	Annual energy consumption		kWh/a	294	305
	Required back up heating cap at design conditions		kW	0.00	
Space cooling	A Condition (35°C - 27/19)	Pdc	kW	2.50	3.40
		EERd		4.39	4.09
		Power input	kW	0.57	0.83
	B Condition (30°C - 27/19)	Pdc	kW	1.84	2.51
		EERd		6.53	6.19
		Power input	kW	0.28	0.41
	C Condition (25°C - 27/19)	Pdc	kW	1.18	1.55
		EERd		9.93	10.10
		Power input	kW	0.12	0.15
	D Condition (20°C - 27/19)	Pdc	kW	1.05	1.07
		EERd		16.20	16.24
		Power input	kW	0.06	0.07

2 Specifications

1 - 1 ARXM-R

Technical specifications					ATXM25N + ARXM25R	ATXM35N + ARXM35R
Space heating (Average climate)	TOL	Tol (temperature operating limit)		°C	-20	
		Pdh (declared heating cap)		kW	2.14	
		COPd (declared COP)			2.29	2.49
		Power input		kW	0.93	0.86
	TBivalent	Tbiv (bivalent temperature)		°C	-7	
		Pdh (declared heating cap)		kW	2.12	2.21
		COPd (declared COP)			3.60	3.50
		Power input		kW	0.59	0.63
	A Condition (-7°C)	Pdh (declared heating cap)		kW	2.12	2.21
		COPd (declared COP)			3.60	3.50
		Power input		kW	0.59	0.63
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.29	1.34
		COPd (declared COP)			5.13	
		Power input		kW	0.25	0.26
	C Condition (7°C)	Pdh (declared heating cap)		kW	0.94	0.95
		COPd (declared COP)			6.22	
		Power input		kW	0.15	
Space heating (Average climate)	D Condition (12°C)	Pdh (declared heating cap)		kW	0.98	1.09
		COPd (declared COP)			7.81	
		Power input		kW	0.12	0.14
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	-20	
		Pdh (declared heating cap)		kW	2.14	2.59
		COPd (declared COP)			2.29	2.49
		Power input		kW	0.93	1.04
	TBivalent	Tbiv (bivalent temperature)		°C	2	
		Pdh (declared heating cap)		kW	1.29	1.34
		COPd (declared COP)			5.13	
		Power input		kW	0.25	0.26
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.29	1.34
		COPd (declared COP)			5.13	
		Power input		kW	0.25	0.26
	C Condition (7°C)	Pdh (declared heating cap)		kW	0.94	0.95
		COPd (declared COP)			6.22	
		Power input		kW	0.15	
	D Condition (12°C)	Pdh (declared heating cap)		kW	0.98	1.09
		COPd (declared COP)			7.81	
		Power input		kW	0.12	0.14
Power consumption in other than active mode	Off mode	POFF			W	1
	Standby mode	Cooling	PSB		W	1
		Heating	PSB		W	1
	Thermostat-off mode	PTO	Cooling		W	6
			Heating		W	7
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						No
Warm season included						Yes
Ecolabel logo						No
Eurovent	Sound power level outdoor	Cooling	Nom.		dBA	58	61
	Sound power level indoor	Cooling	Nom.		dBA	58	
	Piping length	Cooling	Measuring condition		m	5.00	

See separate drawing for operation range |
See separate drawing for electrical data |
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.

Technical specifications			FBA71A9 + ARXM71R
Cooling capacity	Nom.	kW	6.80
	Nom.	Btu/h	23,200
	Nom.	kcal/h	5,847
	Max.	kW	6.98
	Max.	Btu/h	23,800
	Max.	kcal/h	6,002

2 Specifications

1 - 1 ARXM-R

Technical specifications				FBA71A9 + ARXM71R
Heating capacity	Nom.		kW	7.50
	Nom.		Btu/h	25,600
	Nom.		kcal/h	6,449
	Max.		kW	7.66
	Max.		Btu/h	26,100
	Max.		kcal/h	6,586
Power input	Cooling	Nom.	kW	1.89
	Heating	Nom.	kW	2.04
Nominal efficiency	EER			3.60
	COP			3.67
	Annual energy consumption		kWh	944
	Energy labeling Directive	Cooling		A
		Heating		A
Space cooling	Capacity	Pdesign	kW	6.80
	Energy efficiency class			A
	SEER			5.57
	Annual energy consumption		kWh/a	427
Space heating (Average climate)	Capacity	Pdesign	kW	4.50
	Energy efficiency class			A
	SCOP/A			3.81
	SCOPnet/A			3.82
	Pdh Heating capacity at -10°		kW	4.50
	Annual energy consumption		kWh/a	1,652
	Required back up heating cap at design conditions		kW	0.00
Space heating (Warm climate)	Capacity	Pdesignh	kW	2.42
	Energy efficiency class			A+
	SCOP			4.23
	SCOPnet			4.30
	Annual energy consumption		kWh/a	801
	Required back up heating cap at design conditions		kW	0.00
Space cooling	A Condition (35°C - 27/19)	Pdc	kW	6.80
		EERd		3.60
		Power input	kW	1.89
	B Condition (30°C - 27/19)	Pdc	kW	5.01
		EERd		4.66
		Power input	kW	1.08
	C Condition (25°C - 27/19)	Pdc	kW	3.22
		EERd		6.89
		Power input	kW	0.47
	D Condition (20°C - 27/19)	Pdc	kW	1.87
		EERd		7.60
		Power input	kW	0.25
Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C	-15
		Pdh (declared heating cap)	kW	4.03
		COPd (declared COP)		2.00
		Power input	kW	2.02
	TBivalent	Tbiv (bivalent temperature)	°C	-10
		Pdh (declared heating cap)	kW	4.50
		COPd (declared COP)		2.26
		Power input	kW	1.99
	A Condition (-7°C)	Pdh (declared heating cap)	kW	3.98
		COPd (declared COP)		2.65
		Power input	kW	1.50
	B Condition (2°C)	Pdh (declared heating cap)	kW	2.42
		COPd (declared COP)		4.02
		Power input	kW	0.60
	C Condition (7°C)	Pdh (declared heating cap)	kW	1.56
		COPd (declared COP)		4.30
		Power input	kW	0.36
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.58
		COPd (declared COP)		5.05
		Power input	kW	0.31

2 Specifications

1 - 1 ARXM-R

Technical specifications					FBA71A9 + ARXM71R
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	-15
		Pdh (declared heating cap)		kW	4.03
		COPd (declared COP)			2.00
		Power input		kW	2.02
	TBivalent	Tbiv (bivalent temperature)		°C	2
Space heating (Warm climate)	TBivalent	Pdh (declared heating cap)		kW	2.42
		COPd (declared COP)			4.02
		Power input		kW	0.60
	B Condition (2°C)	Pdh (declared heating cap)		kW	2.42
		COPd (declared COP)			4.02
		Power input		kW	0.60
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.56
		COPd (declared COP)			4.30
		Power input		kW	0.36
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.58
		COPd (declared COP)			5.05
		Power input		kW	0.31
Power consumption in other than active mode	Off mode	POFF			W 10
	Standby mode	Cooling	PSB		W 10
		Heating	PSB		W 9
	Thermostat-off mode	PTO	Cooling		W 13
			Heating		W 17
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					No
Warm season included					Yes
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	65
	Sound power level indoor	Cooling	Nom.	dBA	56
	Piping length	Cooling	Measuring condition	m	5

See separate drawing for operation range |
See separate drawing for electrical data |
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.

Technical specifications					FCAG71B + ARXM71R
Cooling capacity	Nom.			kW	6.80
	Nom.			Btu/h	23,200
	Nom.			kcal/h	5,847
	Max.			kW	7.05
	Max.			Btu/h	24,100
	Max.			kcal/h	6,062
Heating capacity	Nom.			kW	7.50
	Nom.			Btu/h	25,600
	Nom.			kcal/h	6,449
	Max.			kW	7.58
	Max.			Btu/h	25,900
	Max.			kcal/h	6,518
Power input	Cooling	Nom.		kW	2.17
	Heating	Nom.		kW	2.22
Nominal efficiency	EER				3.14
	COP				3.38
	Annual energy consumption			kWh	1,083
	Energy labeling Directive	Cooling			B
		Heating			C
Space cooling	Capacity	Pdesign		kW	6.80
	Energy efficiency class				A+
	SEER				5.87
	Annual energy consumption			kWh/a	405

2 Specifications

1 - 1 ARXM-R

Technical specifications				FCAG71B + ARXM71R
Space heating (Average climate)	Capacity	Pdesign	kW	4.50
	Energy efficiency class			A+
	SCOP/A			4.00
	SCOPnet/A			4.01
	Pdh Heating capacity at -10°		kW	4.50
	Annual energy consumption		kWh/a	1,573
	Required back up heating cap at design conditions		kW	0.00
Space heating (Warm climate)	Capacity	Pdesignh	kW	2.42
	Energy efficiency class			A++
	SCOP			5.03
	SCOPnet			5.12
	Annual energy consumption		kWh/a	673
	Required back up heating cap at design conditions		kW	0.00
Space cooling	A Condition (35°C - 27/19)	Pdc	kW	6.80
		EERd		3.14
		Power input	kW	2.17
	B Condition (30°C - 27/19)	Pdc	kW	5.01
		EERd		4.17
		Power input	kW	1.20
	C Condition (25°C - 27/19)	Pdc	kW	3.22
		EERd		7.16
		Power input	kW	0.45
	D Condition (20°C - 27/19)	Pdc	kW	1.78
		EERd		10.65
		Power input	kW	0.17
Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C	-15
		Pdh (declared heating cap)	kW	4.03
		COPd (declared COP)		2.05
		Power input	kW	1.97
	TBivalent	Tbiv (bivalent temperature)	°C	-10
		Pdh (declared heating cap)	kW	4.50
		COPd (declared COP)		2.31
		Power input	kW	1.95
	A Condition (-7°C)	Pdh (declared heating cap)	kW	3.98
		COPd (declared COP)		2.31
		Power input	kW	1.72
	B Condition (2°C)	Pdh (declared heating cap)	kW	2.42
		COPd (declared COP)		4.10
		Power input	kW	0.59
	C Condition (7°C)	Pdh (declared heating cap)	kW	1.56
		COPd (declared COP)		5.24
		Power input	kW	0.30
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.33
		COPd (declared COP)		5.90
		Power input	kW	0.23
Space heating (Warm climate)	TOL	Tol (temperature operating limit)	°C	-15
		Pdh (declared heating cap)	kW	4.03
		COPd (declared COP)		2.05
		Power input	kW	1.97
	TBivalent	Tbiv (bivalent temperature)	°C	2
Space heating (Warm climate)	TBivalent	Pdh (declared heating cap)	kW	2.42
		COPd (declared COP)		4.10
		Power input	kW	0.59
	B Condition (2°C)	Pdh (declared heating cap)	kW	2.42
		COPd (declared COP)		4.10
		Power input	kW	0.59
	C Condition (7°C)	Pdh (declared heating cap)	kW	1.56
		COPd (declared COP)		5.24
		Power input	kW	0.30
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.33
		COPd (declared COP)		5.90
		Power input	kW	0.23

2 Specifications

1 - 1 ARXM-R

Technical specifications					FCAG71B + ARXM71R
Power consumption in other than active mode	Off mode	POFF		W	7
	Standby mode	Cooling	PSB	W	7
		Heating	PSB	W	8
	Thermostat-off mode	PTO	Cooling	W	11
			Heating	W	16
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					No
Warm season included					Yes
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	65
	Sound power level indoor	Cooling	Nom.	dBA	51
	Piping length	Cooling	Measuring condition	m	5

See separate drawing for operation range |
See separate drawing for electrical data |
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.

Technical specifications				FAA71A + ARXM71R
Cooling capacity	Nom.		kW	6.80
	Nom.		Btu/h	23,200
	Nom.		kcal/h	5,847
	Max.		kW	6.95
	Max.		Btu/h	23,700
	Max.		kcal/h	5,976
Heating capacity	Nom.		kW	7.50
	Nom.		Btu/h	25,600
	Nom.		kcal/h	6,449
	Max.		kW	7.59
	Max.		Btu/h	25,900
	Max.		kcal/h	6,526
Power input	Cooling	Nom.	kW	2.00
	Heating	Nom.	kW	2.35
Nominal efficiency	EER			3.40
	COP			3.19
	Annual energy consumption		kWh	1,000
	Energy labeling Directive	Cooling		A
		Heating		D
Space cooling	Capacity	Pdesign	kW	6.80
	Energy efficiency class			A+
	SEER			5.77
	Annual energy consumption		kWh/a	412
Space heating (Average climate)	Capacity	Pdesign	kW	4.50
	Energy efficiency class			A
	SCOP/A			3.81
	SCOPnet/A			3.82
	Pdh Heating capacity at -10°		kW	4.50
	Annual energy consumption		kWh/a	1,652
	Required back up heating cap at design conditions		kW	0.00
Space heating (Warm climate)	Capacity	Pdesignh	kW	2.42
	Energy efficiency class			A++
	SCOP			4.81
	SCOPnet			4.88
	Annual energy consumption		kWh/a	705
	Required back up heating cap at design conditions		kW	0.00

2 Specifications

1 - 1 ARXM-R

Technical specifications					FAA71A + ARXM71R
Space cooling	A Condition (35°C - 27/19)	Pdc		kW	6.80
		EERd			3.40
		Power input		kW	2.00
	B Condition (30°C - 27/19)	Pdc		kW	5.01
		EERd			4.67
		Power input		kW	1.07
	C Condition (25°C - 27/19)	Pdc		kW	3.22
		EERd			6.83
		Power input		kW	0.47
	D Condition (20°C - 27/19)	Pdc		kW	1.69
		EERd			8.10
		Power input		kW	0.21
Space heating (Average climate)	TOL	Tol (temperature operating limit)		°C	-15
		Pdh (declared heating cap)		kW	4.03
		COPd (declared COP)			1.90
		Power input		kW	2.12
	TBivalent	Tbiv (bivalent temperature)		°C	-10
		Pdh (declared heating cap)		kW	4.50
		COPd (declared COP)			2.11
		Power input		kW	2.13
	A Condition (-7°C)	Pdh (declared heating cap)		kW	3.98
		COPd (declared COP)			2.34
		Power input		kW	1.70
	B Condition (2°C)	Pdh (declared heating cap)		kW	2.42
		COPd (declared COP)			3.81
		Power input		kW	0.64
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.56
		COPd (declared COP)			5.05
		Power input		kW	0.31
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.52
		COPd (declared COP)			5.69
		Power input		kW	0.27
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	-15
		Pdh (declared heating cap)		kW	4.03
		COPd (declared COP)			1.90
		Power input		kW	2.12
	TBivalent	Tbiv (bivalent temperature)		°C	2
Space heating (Warm climate)	TBivalent	Pdh (declared heating cap)		kW	2.42
		COPd (declared COP)			3.81
		Power input		kW	0.64
	B Condition (2°C)	Pdh (declared heating cap)		kW	2.42
		COPd (declared COP)			3.81
		Power input		kW	0.64
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.56
		COPd (declared COP)			5.05
		Power input		kW	0.31
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.52
		COPd (declared COP)			5.69
		Power input		kW	0.27
Power consumption in other than active mode	Off mode	POFF			W	6
	Standby mode	Cooling	PSB	W	6
		Heating	PSB	W	7
	Thermostat-off mode	PTO	Cooling	W	2
			Heating	W	14
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					No
Warm season included					Yes
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	65
	Sound power level indoor	Cooling	Nom.	dBA	61
	Piping length	Cooling	Measuring condition	m	5

2 Specifications

1 - 1 ARXM-R

See separate drawing for operation range |
See separate drawing for electrical data |
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.

Technical Specifications					ARXM35R	ARXM50R	ARXM60R	ARXM71R	ARXM25R
Casing	Colour				Ivory white				
Dimensions	Unit	Height		mm	550	734			550
		Width		mm	765	954			765
		Depth		mm	285	401			285
	Packed unit	Height		mm	612	820			612
		Width		mm	906	1,050			906
		Depth		mm	402	480			402
Weight	Unit			kg	32	49.0			32
	Packed unit			kg	34	53			34
Packing	Weight			kg	-	4			-
Heat exchanger	Length			mm	805	920			805
	Rows	Quantity			2				
	Fin pitch			mm	1.4	1.40			1.4
	Stages	Quantity			24	32			24
	Passes	Quantity			3.1	2.2			3.1
	Tube type				ø7 Hi-XD	7.0 Hi-XD		ø7 Hi-XD	
	Fin	Type			Waffle fin (PE)				
Fan	Type				Propeller fan				
	Air flow rate	Cooling	Nom.	m^3/min	36.0	46.6			28.3
				cfm	1,271	1,645			999
		Heating	Nom.	m^3/min	28.3	44.1			28.3
				cfm	999	1,557			999
Fan motor	Model				DFC05A3VA	D55F-31			DFC05A3VA
	Output			W	50	55			50
	Speed	Cooling	High	rpm	920	760			860
			Nom.	rpm	860	740			800
			Low	rpm	400	640			400
		Heating	High	rpm	860	720			860
			Nom.	rpm	800	720			800
			Low	rpm	400	660			400
Compressor	Model				1YC25GXD#C	2YC40JXD#C			1YC25GXD#C
	Oil Amount			cm^3	-	650			-
	Type				Hermetically sealed swing compressor				
	Output			W	800	1,300.0			800
	Oil Type				-	FW68DA			-
Sound power level	Cooling			dBA	61	62.0	63.0	65.0	58
Sound power level	Heating			dBA	61	62.0	63.0	65.0	59
Sound pressure level	Cooling	Nom.		dBA	49	48.0		52.0	46
	Heating	Nom.		dBA	49	49.0		52.0	47
Refrigerant	Type				R-32				
	Charge			kg	0.76	1.15			0.76
	Charge			TCO2Eq	0.52	0.780			0.52
	Control				Expansion valve	-			Expansion valve
	GWP				675	675.0			675
Piping connections	Liquid	OD		mm		635		952	635
	Gas	OD		mm	9.50	12.7		15.9	9.50
	Drain	OD		mm	18	16			18
	Piping length	OU - IU	Max.	m	20	30			20
		System	Chargeless	m	10	-			10
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)			0.035 (for piping length exceeding 10m)	0.02 (for piping length exceeding 10m)
	Level difference	IU - OU	Max.	m	15	20.0			15
	Heat insulation				Both liquid and gas pipes				
Capacity control	Method				Variable (inverter)				

Standard accessories: Drain plug; Quantity: 1;

Standard accessories: Installation manual; Quantity: 1;

Standard accessories: Refrigerant charge label; Quantity: 1;

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

Standard accessories: Drain cap (1); Quantity: 6;

Standard accessories: Drain cap (2); Quantity: 3;

Electrical Specifications			ARXM35R	ARXM50R	ARXM60R	ARXM71R	ARXM25R
Power supply	Phase		1~				
	Frequency	Hz	50				
	Voltage	V	220-240				

2 Specifications

1 - 1 ARXM-R

Electrical Specifications			ARXM35R	ARXM50R	ARXM60R	ARXM71R	ARXM25R
Wiring connections	For power supply	Quantity	3				
		Remark	Earth wire included				
	For connection with indoor	Quantity	4				
		Remark	Earth wire included				

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

3 Electrical data

3 - 1 Electrical Data

ARXM25-35R

Unit combination restrictions		Power supply					COMP		OFM		IFM	
Indoor unit	Outdoor unit	Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
RXM20R5V1B	FTXM20R2V1B	50	220	Maximum ·50·Hz ·264·V	8,93	10	32,5	1,7	0,048	0,320	0,029	0,30
		50	230					1,6				
		50	240	Minimum ·50·Hz ·198·V				1,6				
RXM25R5V1B	FTXM25R2V1B	50	220	Maximum ·50·Hz ·264·V	9,71	13	46,0	2,3	0,040	0,280	0,025	0,30
		50	230					2,2				
		50	240	Minimum ·50·Hz ·198·V				2,1				
RXM25R5V1B	FFA25A2VEB9	50	220	Maximum ·50·Hz ·264·V	10,79	13	40,0	2,3	0,040	0,280	0,050	0,20
		50	230					2,5				
		50	240	Minimum ·50·Hz ·198·V				2,6				
RXM25R5V1B	FDXM25F3V1B9	50	220	Maximum ·50·Hz ·264·V	10,92	13	39,0	2,1	0,040	0,280	0,034	0,30
		50	230					2,2				
		50	240	Minimum ·50·Hz ·198·V				2,3				
RXM25R5V1B	FNA25A2VEB9	50	220	Maximum ·50·Hz ·264·V	11,17	13	43,0	2,3	0,040	0,280	0,034	0,50
		50	230					2,4				
		50	240	Minimum ·50·Hz ·198·V				2,5				
RXM35R5V1B	FTXM35R2V1B	50	220	Maximum ·50·Hz ·264·V	9,76	13	60,0	3,3	0,048	0,320	0,030	0,30
		50	230					3,2				
		50	240	Minimum ·50·Hz ·198·V				3,0				
RXM35R5V1B	FCAG35BVEB	50	220	Maximum ·50·Hz ·264·V	10,92	13	63,0	3,6	0,048	0,320	0,048	0,30
		50	230					3,8				
		50	240	Minimum ·50·Hz ·198·V				4,0				
RXM35R5V1B	FBA35A2VEB9	50	220	Maximum ·50·Hz ·264·V	12,29	13	56,0	3,3	0,048	0,320	0,089	1,40
		50	230					3,5				
		50	240	Minimum ·50·Hz ·198·V				3,6				
RXM35R5V1B	FHA35AVEB9	50	220	Maximum ·50·Hz ·264·V	11,29	13	64,0	3,8	0,048	0,320	0,090	0,60
		50	230					4,0				
		50	240	Minimum ·50·Hz ·198·V				4,2				
RXM35R5V1B	FFA35A2VEB9	50	220	Maximum ·50·Hz ·264·V	10,79	13	64,0	3,6	0,048	0,320	0,050	0,20
		50	230					3,8				
		50	240	Minimum ·50·Hz ·198·V				4,0				
RXM35R5V1B	FDXM35F3V1B9	50	220	Maximum ·50·Hz ·264·V	10,92	13	65,0	3,6	0,048	0,320	0,034	0,30
		50	230					3,8				
		50	240	Minimum ·50·Hz ·198·V				3,9				
RXM35R5V1B	FNA35A2VEB9	50	220	Maximum ·50·Hz ·264·V	11,17	13	65,0	3,6	0,048	0,320	0,034	0,50
		50	230					3,8				
		50	240	Minimum ·50·Hz ·198·V				3,9				
ARXM25R5V1B	ATXM25R2V1B	50	220	Maximum ·50·Hz ·264·V	9,71	13	46,0	2,3	0,040	0,280	0,025	0,30
		50	230					2,2				
		50	240	Minimum ·50·Hz ·198·V				2,1				
ARXM35R5V1B	ATXM35R2V1B	50	220	Maximum ·50·Hz ·264·V	9,76	13	60,0	3,3	0,048	0,320	0,030	0,30
		50	230					3,2				
		50	240	Minimum ·50·Hz ·198·V				3,0				
RXM42R2V1B	FTXM42R2V1B	50	220	Maximum ·50·Hz ·264·V	10,36	13	47,5	4,3	0,056	0,370	0,034	0,30
		50	230					4,1				
		50	240	Minimum ·50·Hz ·198·V				4,0				
RXM20R5V1B	FTXM20R5V1B	50	220	Maximum ·50·Hz ·264·V	8,93	10	32,5	1,7	0,048	0,320	0,029	0,30
		50	230					1,6				
		50	240	Minimum ·50·Hz ·198·V				1,6				
RXM25R5V1B	FTXM25R5V1B	50	220	Maximum ·50·Hz ·264·V	9,71	13	46,0	2,3	0,040	0,280	0,025	0,30
		50	230					2,2				
		50	240	Minimum ·50·Hz ·198·V				2,1				
RXM35R5V1B	FTXM35R5V1B	50	220	Maximum ·50·Hz ·264·V	9,76	13	60,0	3,3	0,048	0,320	0,030	0,30
		50	230					3,2				
		50	240	Minimum ·50·Hz ·198·V				3,0				
RXM42R2V1B	FTXM42R5V1B	50	220	Maximum ·50·Hz ·264·V	10,36	13	47,5	4,3	0,056	0,370	0,034	0,30
		50	230					4,1				
		50	240	Minimum ·50·Hz ·198·V				4,0				
ARXM25R5V1B	ATXM25R5V1B	50	220	Maximum ·50·Hz ·264·V	9,71	13	46,0	2,3	0,040	0,280	0,025	0,30
		50	230					2,2				
		50	240	Minimum ·50·Hz ·198·V				2,1				
ARXM35R5V1B	ATXM35R5V1B	50	220	Maximum ·50·Hz ·264·V	9,76	13	60,0	3,3	0,048	0,320	0,030	0,30
		50	230					3,2				
		50	240	Minimum ·50·Hz ·198·V				3,0				
RXM25R5V1B	FVXM25A2V1B	50	220	Maximum ·50·Hz ·264·V	9,54	13	41,0	2,6	0,040	0,280	0,037	0,14
		50	230					2,5				
		50	240	Minimum ·50·Hz ·198·V				2,4				
RXM35R5V1B	FVXM35A2V1B	50	220	Maximum ·50·Hz ·264·V	9,58	13	62,0	3,8	0,048	0,320	0,037	0,14
		50	230					3,7				
		50	240	Minimum ·50·Hz ·198·V				3,6				

The ·RLA· is based on the following conditions.
Outdoor temperature ·35·°C DB
Indoor temperature ·27·°C DB / ·19·°C WB
Select the wire size according to the MCA.
The maximum allowable voltage that is unbalanced between phases is ·2·%.

Use a circuit breaker instead of a fuse.

Symbols
MCA: Minimum Circuit Ampere [A]
MFA: Maximum Fuse Ampere [A]
RLA: Rated load amps [A]
OFM: Outdoor fan motor
IFM: Indoor fan motor
RHz: Rated operating frequency [Hz]
FLA: Full Load Ampere [A]
kW: Fan motor rated output [kW]

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3 Electrical data

3 - 1 Electrical Data

ARXM25-35R

Unit combination restrictions		Power supply					COMP		OFM		IFM	
Outdoor unit	Indoor unit	Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
RXM20N5V1B9	FTXM20R2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	8,93	10	32,5	1,7	0,048	0,320	0,029	0,30
		50	230					1,6				
		50	240					1,6				
RXM25N5V1B9	FTXM25R2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	9,71	13	46,0	2,3	0,040	0,280	0,025	0,30
		50	230					2,2				
		50	240					2,1				
RXM35N5V1B9	FTXM35R2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	9,76	13	60,0	3,3	0,048	0,320	0,030	0,30
		50	230					3,2				
		50	240					3,0				
ARXM25N5V1B9	ATXM25R2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	9,71	13	46,0	2,3	0,040	0,280	0,025	0,30
		50	230					2,2				
		50	240					2,1				
ARXM35N5V1B9	ATXM35R2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	9,76	13	60,0	3,3	0,048	0,320	0,030	0,30
		50	230					3,2				
		50	240					3,0				
RXM20N5V1B9	FTXM20R5V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	8,93	10	32,5	1,7	0,048	0,320	0,029	0,30
		50	230					1,6				
		50	240					1,6				
RXM25N5V1B9	FTXM25R5V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	9,71	13	46,0	2,3	0,040	0,280	0,025	0,30
		50	230					2,2				
		50	240					2,1				
RXM35N5V1B9	FTXM35R5V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	9,76	13	60,0	3,3	0,048	0,320	0,030	0,30
		50	230					3,2				
		50	240					3,0				
ARXM25N5V1B9	ATXM25R5V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	9,71	13	46,0	2,3	0,040	0,280	0,025	0,30
		50	230					2,2				
		50	240					2,1				
ARXM35N5V1B9	ATXM35R5V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	9,76	13	60,0	3,3	0,048	0,320	0,030	0,30
		50	230					3,2				
		50	240					3,0				
RXM20R5V1B	FTXM20N2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	8,84	10	35,0	2,0	0,048	0,320	0,022	0,22
		50	230					2,1				
		50	240					2,2				
RXM25R5V1B	FTXM25N2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	9,63	13	46,0	2,6	0,040	0,280	0,022	0,22
		50	230					2,7				
		50	240					2,8				
RXM35R5V1B	FTXM35N2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	9,70	13	60,0	4,2	0,048	0,320	0,027	0,25
		50	230					4,4				
		50	240					4,6				
ARXM25R5V1B	ATXM25N2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	9,63	13	46,0	2,6	0,040	0,280	0,022	0,22
		50	230					2,7				
		50	240					2,8				
ARXM35R5V1B	ATXM35N2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	9,70	13	60,0	4,2	0,048	0,320	0,027	0,25
		50	230					4,4				
		50	240					4,6				

Symbols
MCA: Minimum Circuit Ampere [A]
MFA: Maximum Fuse Ampere [A]
RLA: Rated load amps [A]
OFM: Outdoor fan motor
IFM: Indoor fan motor
FLA: Full load amps [A]
kW: Fan motor rated output [kW]
RHz: Rated operating frequency [Hz]

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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ARXM35R

Unit combination restrictions		Power supply					COMP		OFM		IFM	
Indoor unit	Outdoor unit	①	②	③	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
ADEA35A2VEB	ARXM35N5V1B9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	12,29	13	56,0	3,8	0,048	0,32	0,089	1,40
		50	230					3,5				
		50	240					3,2				
ADEA35A2VEB	ARXM35R5V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	12,29	13	56,0	3,8	0,048	0,32	0,089	1,40
		50	230					3,5				
		50	240					3,2				

Symbols
①: Hz
②: Voltage
③: Voltage range
MCA: Minimum Circuit Amperes [A]
MFA: Maximum Fuse Amperes [A]
RLA: Rated Load Amperes [A]
OFM: Outdoor fan motor
IFM: Indoor fan motor
FLA: Full Load Ampere [A]
kW: Fan motor rated output [kW]
RHz: Rated operating frequency [Hz]

Notes
1) The ·RLA· is based on the following conditions.
Indoor temperature ·27·°C DB / ·19·°C WB
Outdoor temperature ·35·°C DB
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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3 Electrical data

3 - 1 Electrical Data

ARXM50-71R

Unit combination restrictions		Power supply					COMP		OFM		IFM	
Outdoor unit	Indoor unit	Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
ARXM50R2V1B	ADEA50A2VEB	50 50 50	220 230 240	MAX. 50Hz 264V MIN. 50Hz 198V	15,42	16	55	5,2 5,0 4,8	0,056	0,37	0,089	1,40
ARXM60R2V1B	ADEA60A2VEB	50 50 50	220 230 240	MAX. 50Hz 264V MIN. 50Hz 198V	15,86	16	66	6,2 6,0 5,7	0,056	0,37	0,070	1,30
ARXM71R2V1B	ADEA71A2VEB	50 50 50	220 230 240	MAX. 50Hz 264V MIN. 50Hz 198V	15,83	16	81	8,2 7,8 7,5	0,056	0,37	0,070	1,30
ARXM71R2V1B	FCAG71BVEB	50 50 50	220 230 240	MAX. 50Hz 264V MIN. 50Hz 198V	14,93	16	81	8,1 7,7 7,4	0,056	0,37	0,054	0,40
ARXM71R2V1B	FBA71A2VEB9	50 50 50	220 230 240	MAX. 50Hz 264V MIN. 50Hz 198V	15,83	16	81	8,2 7,8 7,5	0,056	0,37	0,070	1,30
ARXM71R2V1B	FAA71AUVEB	50 50 50	220 230 240	MAX. 50Hz 264V MIN. 50Hz 198V	14,93	16	83	8,3 7,9 7,6	0,056	0,37	0,048	0,40
RXM42R2V1B	FTXM42R2V1B	50 50 50	220 230 240	MAX. 50Hz 264V MIN. 50Hz 198V	10,36	13	48	4,3 4,1 4,0	0,056	0,37	0,034	0,30
RXM42R2V1B	FTXM42R5V1B	50 50 50	220 230 240	MAX. 50Hz 264V MIN. 50Hz 198V	10,36	13	48	4,3 4,1 4,0	0,056	0,37	0,034	0,30
RXM50R2V1B	FTXM50R2V1B	50 50 50	220 230 240	MAX. 50Hz 264V MIN. 50Hz 198V	14,54	16	54	4,7 4,5 4,3	0,056	0,37	0,046	0,60
ARXM50R2V1B	ATXM50R2V1B	50 50 50	220 230 240	MAX. 50Hz 264V MIN. 50Hz 198V	14,54	16	54	4,7 4,5 4,3	0,056	0,37	0,046	0,60
RXM50R2V1B	FCAG50BVEB	50 50 50	220 230 240	MAX. 50Hz 264V MIN. 50Hz 198V	14,21	16	58	5,2 5,0 4,8	0,056	0,37	0,048	0,30
RXM50R2V1B	FBA50A2VEB9	50 50 50	220 230 240	MAX. 50Hz 264V MIN. 50Hz 198V	15,42	16	55	5,2 5,0 4,8	0,056	0,37	0,089	1,40
RXM50R2V1B	FHA50AVEB9	50 50 50	220 230 240	MAX. 50Hz 264V MIN. 50Hz 198V	14,54	16	64	5,5 5,3 5,2	0,056	0,37	0,090	0,60
RXM50R2V1B	FFA50A2VEB9	50 50 50	220 230 240	MAX. 50Hz 264V MIN. 50Hz 198V	14,32	16	62	5,6 5,4 5,3	0,056	0,37	0,050	0,40
RXM50R2V1B	FDXM50F3V1B9	50 50 50	220 230 240	MAX. 50Hz 264V MIN. 50Hz 198V	14,87	16	55	4,9 4,7 4,5	0,056	0,37	0,060	0,90
RXM50R2V1B	FNA50A2VEB9	50 50 50	220 230 240	MAX. 50Hz 264V MIN. 50Hz 198V	14,43	16	55	4,9 4,7 4,5	0,056	0,37	0,060	0,50
RXM50R2V1B	FVXM50FV1B9	50 50 50	220 230 240	MAX. 50Hz 264V MIN. 50Hz 198V	14,32	16	60	5,4 5,2 5,0	0,056	0,37	0,048	0,10
RXM60R2V1B	FTXM60R2V1B	50 50 50	220 230 240	MAX. 50Hz 264V MIN. 50Hz 198V	15,09	16	70	6,6 6,3 6,0	0,056	0,37	0,046	0,60
RXM60R2V1B	FCAG60BVEB	50 50 50	220 230 240	MAX. 50Hz 264V MIN. 50Hz 198V	14,76	16	71	6,5 6,3 6,2	0,056	0,37	0,048	0,30
RXM60R2V1B	FBA60A2VEB9	50 50 50	220 230 240	MAX. 50Hz 264V MIN. 50Hz 198V	15,86	16	66	6,1 6,0 5,8	0,056	0,37	0,070	1,30
RXM60R2V1B	FHA60AVEB9	50 50 50	220 230 240	MAX. 50Hz 264V MIN. 50Hz 198V	15,09	16	62	5,5 5,3 5,1	0,056	0,37	0,091	0,60
RXM60R2V1B	FFA60A2VEB9	50 50 50	220 230 240	MAX. 50Hz 264V MIN. 50Hz 198V	15,09	16	70	6,5 6,3 6,2	0,056	0,37	0,050	0,60
RXM60R2V1B	FDXM60F3V1B9	50 50 50	220 230 240	MAX. 50Hz 264V MIN. 50Hz 198V	15,42	16	73	6,7 6,5 6,4	0,056	0,37	0,060	0,90
RXM60R2V1B	FNA60A2VEB9	50 50 50	220 230 240	MAX. 50Hz 264V MIN. 50Hz 198V	15,09	16	73	6,7 6,5 6,4	0,056	0,37	0,060	0,60
RXM71R2V1B	FTXM71R2V1B	50 50 50	220 230 240	MAX. 50Hz 264V MIN. 50Hz 198V	19,78	20	54	9,4 8,9 8,6	0,128	0,38	0,052	0,60

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.

Symbols
MCA: Minimum Circuit Ampere [A]
MFA: Maximum Fuse Ampere [A]
RLA: Rated load amps [A]
OFM: Outdoor fan motor
IFM: Indoor fan motor
FLA: Full load amps [A]
kW: Fan motor rated output [kW]
RHz: Rated operating frequency [Hz]

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4 Capacity tables

4 - 1 Capacity Table Legend

ATXM25N / ARXM25R

Cooling ·220-240V 50Hz·

AFR	11,1
BF	0,21

①	②	③																	
		20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	2,56	1,95	0,40	2,44	1,90	0,45	2,32	1,85	0,51	2,28	1,83	0,53	2,21	1,79	0,56	2,09	1,74	0,60
16	22	2,68	1,92	0,43	2,56	1,87	0,47	2,44	1,82	0,51	2,40	1,80	0,53	2,33	1,76	0,57	2,21	1,71	0,60
18	25	2,79	2,02	0,43	2,68	1,97	0,47	2,56	1,92	0,52	2,51	1,90	0,53	2,44	1,88	0,57	2,33	1,83	0,60
19	27	2,85	2,14	0,43	2,73	2,09	0,48	2,62	2,05	0,52	2,57	2,03	0,53	2,50	2,00	0,57	2,38	1,95	0,60
22	30	3,02	2,07	0,44	2,91	2,03	0,48	2,79	1,98	0,52	2,74	1,97	0,54	2,67	1,94	0,57	2,56	1,90	0,61
24	32	3,14	2,02	0,44	3,02	1,98	0,48	2,90	1,94	0,52	2,86	1,92	0,54	2,79	1,90	0,58	2,67	1,87	0,61

Symbols

TC: Total capacity [kW]
PI: Power input [kW]
SHC: Sensible heat capacity [kW]
AFR: Air flow rate [m³/min]
BF: Bypass factor

Heating ·220-240V 50Hz·

AFR	10,8

②	④												
	-15		-10		-5		0		6		10	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	1,33	0,36	1,60	0,38	1,87	0,40	2,52	0,52	2,90	0,55	3,15	0,57
20	1,25	0,37	1,52	0,39	1,79	0,41	2,42	0,53	2,80	0,56	3,05	0,58
22	1,22	0,37	1,49	0,40	1,76	0,42	2,38	0,53	2,76	0,57	3,01	0,59
24	1,19	0,38	1,45	0,40	1,72	0,42	2,34	0,54	2,72	0,57	2,98	0,59
25	1,17	0,38	1,44	0,40	1,71	0,42	2,32	0,54	2,70	0,57	2,96	0,59
27	1,14	0,39	1,41	0,41	1,67	0,42	2,29	0,55	2,66	0,58	2,92	0,60

① Indoor air temperature [°C WB]
② Indoor air temperature [°C DB]
③ Outdoor air temperature [°C DB]
④ Outdoor air temperature [°C WB]

Notes

1 The capacities are based on the following conditions:
Corresponding refrigerant piping length: ·5.0· m
Level difference: ·0·m

2 The bold cells indicate the standard conditions.
Rated operating frequency [Hz]

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ATXM25R / ARXM25R

Cooling 50Hz 220 -240V

AFR	10,49
BF	0,25

INDOOR		Outdoor temperature [° C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	2,56	1,90	0,44	2,44	1,86	0,48	2,33	1,82	0,52	2,28	1,81	0,54	2,21	1,79	0,56	2,10	1,77	0,61
16	22	2,68	1,81	0,44	2,56	1,77	0,48	2,44	1,73	0,52	2,40	1,72	0,54	2,33	1,70	0,57	2,21	1,67	0,61
18	25	2,79	1,90	0,44	2,68	1,87	0,48	2,56	1,84	0,53	2,51	1,83	0,54	2,44	1,82	0,57	2,33	1,81	0,61
19	27	2,85	2,05	0,44	2,73	2,03	0,49	2,62	2,02	0,53	2,57	2,02	0,54	2,50	2,02	0,57	2,38	2,03	0,61
22	30	3,02	1,86	0,45	2,91	1,83	0,49	2,79	1,81	0,53	2,74	1,80	0,55	2,67	1,80	0,57	2,56	1,79	0,62
24	32	3,14	1,74	0,45	3,02	1,71	0,49	2,90	1,69	0,53	2,86	1,68	0,55	2,79	1,67	0,58	2,67	1,66	0,62

Heating 50Hz 220 -240V

AFR	9,78

INDOOR	Outdoor temperature [° C WB]											
EDB	-15		-10		-5		0		7		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	1,33	0,36	1,60	0,38	1,87	0,40	2,09	0,52	2,90	0,55	3,15	0,57
20	1,25	0,37	1,52	0,39	1,79	0,41	1,98	0,53	2,80	0,56	3,05	0,58
22	1,22	0,37	1,49	0,40	1,76	0,42	1,95	0,53	2,76	0,57	3,01	0,59
24	1,19	0,38	1,45	0,40	1,72	0,42	1,92	0,54	2,72	0,57	2,98	0,59
25	1,17	0,38	1,44	0,40	1,71	0,42	1,90	0,54	2,70	0,57	2,96	0,59
27	1,14	0,39	1,41	0,41	1,67	0,42	1,88	0,55	2,66	0,58	2,92	0,60

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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4 Capacity tables

4 - 1 Capacity Table Legend

4

ATXM35N / ARXM35R

Cooling ·220-240V 50Hz·

AFR	12,3
BF	0,21

①	②	③																	
		20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	3,48	2,66	0,59	3,32	2,60	0,67	3,16	2,52	0,73	3,11	2,49	0,75	3,01	2,45	0,84	2,85	2,38	0,85
16	22	3,64	2,63	0,62	3,48	2,57	0,68	3,32	2,49	0,73	3,27	2,46	0,76	3,17	2,42	0,84	3,01	2,35	0,86
18	25	3,80	2,77	0,62	3,64	2,70	0,68	3,48	2,64	0,74	3,42	2,61	0,76	3,32	2,58	0,83	3,17	2,51	0,86
19	27	3,88	2,93	0,62	3,72	2,88	0,69	3,56	2,81	0,74	3,50	2,78	0,76	3,40	2,74	0,83	3,25	2,68	0,86
22	30	4,11	2,84	0,63	3,96	2,78	0,69	3,79	2,72	0,74	3,73	2,70	0,77	3,63	2,67	0,84	3,48	2,61	0,87
24	32	4,27	2,77	0,63	4,11	2,71	0,70	3,96	2,66	0,75	3,89	2,64	0,77	3,79	2,61	0,84	3,63	2,57	0,87

Symbols
TC: Total capacity [kW]
PI: Power input [kW]
SHC: Sensible heat capacity [kW]
AFR: Air flow rate [m³/min]
BF: Bypass factor

Heating ·220-240V 50Hz·

AFR	10,8

②	④												
	-15		-10		-5		0		6		10	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	1,90	0,64	2,29	0,67	2,67	0,71	3,60	0,92	4,14	0,97	4,50	1,00
20	1,79	0,66	2,17	0,68	2,56	0,72	3,46	0,94	4,00	0,99	4,36	1,03
22	1,74	0,66	2,12	0,70	2,51	0,73	3,40	0,96	3,94	1,00	4,31	1,04
24	1,69	0,67	2,08	0,71	2,46	0,73	3,35	0,96	3,89	1,01	4,25	1,04
25	1,67	0,67	2,05	0,71	2,44	0,74	3,32	0,97	3,86	1,01	4,22	1,05
27	1,62	0,68	2,01	0,71	2,39	0,74	3,26	0,97	3,81	1,03	4,17	1,05

① Indoor air temperature [°C WB]
② Indoor air temperature [°C DB]
③ Outdoor air temperature [°C DB]
④ Outdoor air temperaturec [°C WB]

Notes

1. The capacities are based on the following conditions:
   Corresponding refrigerant piping length: ·5.0· m
   Level difference: ·0·m

2. The bold cells indicate the standard conditions.
   Rated operating frequency [Hz]

3D120717A

ADEA35A / ARXM35R

Cooling ·50· Hz ·220-240· V

AFR	15
BF	0,05

Indoor		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	3,48	2,73	0,69	3,33	2,69	0,76	3,17	2,66	0,83	3,10	2,65	0,85	3,01	2,64	0,89	2,85	2,65	0,96
16	22	3,64	2,59	0,70	3,48	2,54	0,76	3,32	2,50	0,83	3,26	2,49	0,86	3,17	2,47	0,90	3,01	2,46	0,97
18	25	3,80	2,75	0,70	3,64	2,72	0,77	3,48	2,70	0,84	3,42	2,70	0,86	3,32	2,70	0,90	3,16	2,72	0,97
19	27	3,87	3,02	0,70	3,72	3,02	0,77	3,56	3,05	0,84	3,49	3,06	0,86	3,40	3,10	0,90	3,24	3,24	0,97
22	30	4,11	2,70	0,71	3,95	2,69	0,78	3,79	2,68	0,84	3,73	2,68	0,87	3,63	2,69	0,91	3,48	2,73	0,98
24	32	4,27	2,51	0,71	4,11	2,49	0,78	3,95	2,48	0,85	3,89	2,47	0,87	3,79	2,47	0,91	3,63	2,48	0,98

Heating ·50· Hz ·220-240· V

AFR	15

Indoor	Outdoor temperature [°C WB]											
EDB	-15		-10		-5		0		7		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	1,77	0,81	2,09	0,85	2,44	0,87	2,87	0,90	4,14	0,98	4,50	1,01
20	1,66	0,84	1,96	0,88	2,26	0,92	2,70	0,96	4,00	1,01	4,32	1,03
22	1,58	0,86	1,88	0,90	2,19	0,94	2,63	0,98	3,92	1,02	4,23	1,05
24	1,49	0,88	1,81	0,92	2,12	0,96	2,56	1,00	3,83	1,03	4,15	1,07
25	1,45	0,89	1,77	0,93	2,09	0,97	2,52	1,01	3,79	1,04	4,11	1,08
27	1,37	0,92	1,69	0,95	2,02	0,99	2,46	1,03	3,71	1,05	4,02	1,10

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) On the figure the · □ · mark shows the rated capacity and rated coefficient of the power 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.

3D123269A

4 Capacity tables

4 - 1 Capacity Table Legend

ATXM35R / ARXM35R

Cooling 50Hz 220 −240V

AFR	11,33
BF	0,20

INDOOR		Outdoor temperature [° C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	3,48	2,54	0,64	3,33	2,48	0,70	3,17	2,42	0,76	3,10	2,40	0,79	3,01	2,38	0,82	2,85	2,34	0,88
16	22	3,64	2,43	0,64	3,48	2,37	0,70	3,32	2,31	0,76	3,26	2,29	0,79	3,17	2,26	0,83	3,01	2,21	0,89
18	25	3,80	2,54	0,65	3,64	2,48	0,71	3,48	2,44	0,77	3,42	2,42	0,79	3,32	2,40	0,83	3,16	2,38	0,89
19	27	3,87	2,71	0,65	3,72	2,68	0,71	3,56	2,65	0,77	3,49	2,65	0,79	3,40	2,64	0,83	3,24	2,65	0,89
22	30	4,11	2,48	0,65	3,95	2,43	0,71	3,79	2,40	0,78	3,73	2,39	0,80	3,63	2,37	0,84	3,48	2,35	0,90
24	32	4,27	2,33	0,66	4,11	2,28	0,72	3,95	2,24	0,78	3,89	2,23	0,80	3,79	2,21	0,84	3,63	2,19	0,90

Heating 50Hz 220 −240V

AFR	9,78

INDOOR	Outdoor temperature [° C WB]											
EDB	−15		−10		−5		0		7		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	2,31	0,75	2,74	0,79	3,13	0,84	3,35	0,88	4,21	0,94	4,47	0,96
20	2,10	0,80	2,53	0,85	2,96	0,89	3,16	0,93	4,00	0,99	4,26	1,02
22	2,02	0,82	2,45	0,87	2,88	0,91	3,08	0,95	3,92	1,01	4,18	1,04
24	1,93	0,84	2,36	0,89	2,80	0,93	3,01	0,97	3,83	1,02	4,09	1,06
25	1,89	0,86	2,32	0,90	2,75	0,94	2,97	0,98	3,79	1,02	4,05	1,07
27	1,81	0,88	2,24	0,92	2,67	0,96	2,90	1,00	3,71	1,03	3,97	1,09

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.

4D130633

ADEA50A / ARXM50R

Cooling ·50· Hz ·220-240· V

AFR	15
BF	0,10

Indoor		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	5,12	3,59	1,17	4,89	3,48	1,29	4,66	3,37	1,40	4,56	3,34	1,44	4,42	3,28	1,51	4,19	3,20	1,63
16	22	5,35	3,45	1,18	5,12	3,34	1,29	4,89	3,24	1,41	4,79	3,20	1,45	4,65	3,14	1,52	4,42	3,06	1,63
18	25	5,58	3,56	1,19	5,35	3,47	1,30	5,12	3,38	1,41	5,02	3,35	1,46	4,88	3,30	1,53	4,65	3,23	1,64
19	27	5,70	3,75	1,19	5,47	3,67	1,30	5,23	3,60	1,42	5,14	3,58	1,46	5,00	3,55	1,53	4,77	3,50	1,64
22	30	6,04	3,47	1,20	5,81	3,38	1,31	5,58	3,31	1,43	5,49	3,28	1,47	5,35	3,24	1,54	5,11	3,18	1,65
24	32	6,27	3,29	1,21	6,04	3,20	1,32	5,81	3,13	1,43	5,72	3,10	1,48	5,58	3,05	1,55	5,34	2,99	1,66

Heating ·50· Hz ·220-240· V

AFR	15

Indoor	Outdoor temperature [°C WB]											
EDB	-15		-10		-5		0		7		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	2,56	1,17	3,07	1,22	3,59	1,28	3,95	1,33	5,69	1,42	6,11	1,46
20	2,40	1,20	2,92	1,26	3,43	1,32	3,78	1,38	5,50	1,47	5,90	1,51
22	2,34	1,21	2,85	1,27	3,37	1,34	3,71	1,40	5,42	1,50	5,82	1,53
24	2,27	1,23	2,79	1,29	3,30	1,36	3,64	1,42	5,33	1,51	5,74	1,55
25	2,24	1,24	2,76	1,30	3,27	1,37	3,61	1,43	5,29	1,52	5,69	1,56
27	2,18	1,26	2,69	1,32	3,21	1,39	3,54	1,45	5,21	1,53	5,61	1,58

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) On the figure the · ☐ · mark shows the rated capacity and rated coefficient of the power 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.

3D120472A

4 Capacity tables

4 - 1 Capacity Table Legend

4

ATXM50R / ARXM50R
ATXM50N / ARXM50R **Cooling** ·50· Hz ·220 - 240· V

AFR	16,1
BF	0,13

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	20	4,11	3,04	1,24	3,88	2,93	1,26	3,65	2,83	1,30	3,55	2,78	1,36	3,41	2,72	1,43	3,18	2,62	1,54
16,0	22	5,26	3,46	1,25	5,03	3,35	1,27	4,80	3,25	1,31	4,70	3,20	1,37	4,56	3,14	1,44	4,33	3,04	1,54
18,0	25	5,58	3,66	1,25	5,35	3,55	1,27	5,12	3,45	1,31	5,02	3,40	1,37	4,88	3,34	1,45	4,65	3,24	1,55
19,0	27	5,70	3,83	1,26	5,47	3,72	1,28	5,23	3,62	1,32	5,14	3,58	1,38	5,00	3,52	1,45	4,77	3,42	1,55
22,0	30	6,04	3,68	1,27	5,81	3,59	1,29	5,58	3,50	1,33	5,49	3,46	1,39	5,35	3,40	1,46	5,11	3,32	1,56
24,0	32	6,27	3,57	1,27	6,04	3,49	1,29	5,81	3,40	1,33	5,72	3,37	1,39	5,58	3,32	1,47	5,34	3,24	1,57

AFR	17,1

Heating ·50· Hz ·220 - 240· V

Indoor temperature	Outdoor temperature [°C WB]											
EDB	-15		-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0	2,76	0,98	3,32	1,03	3,88	1,09	4,43	1,42	6,00	1,50	6,52	1,55
20,0	2,59	1,01	3,15	1,07	3,71	1,11	4,26	1,46	5,80	1,53	6,32	1,58
22,0	2,52	1,02	3,08	1,08	3,64	1,13	4,19	1,47	5,72	1,54	6,24	1,59
24,0	2,46	1,03	3,01	1,09	3,57	1,14	4,12	1,48	5,64	1,56	6,16	1,60
25,0	2,42	1,04	2,98	1,09	3,54	1,14	4,09	1,49	5,60	1,56	6,12	1,61
27,0	2,35	1,06	2,91	1,10	3,47	1,15	4,02	1,50	5,52	1,58	6,04	1,62

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. On the figure the ·□· mark shows the rated capacity and rated coefficient of the power 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.

3D120631A

ATXM50R / ARXM50R

·50· Hz ·220-240· V **Cooling**

AFR	15,45
BF	0,21

Indoor		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	5,12	3,89	1,04	4,89	3,82	1,14	4,66	3,76	1,24	4,56	3,74	1,28	4,42	3,71	1,34	4,19	3,69	1,44
16	22	5,35	3,70	1,05	5,12	3,62	1,15	4,89	3,55	1,25	4,79	3,53	1,29	4,65	3,50	1,35	4,42	3,45	1,45
18	25	5,58	3,90	1,05	5,35	3,84	1,15	5,12	3,80	1,26	5,02	3,79	1,30	4,88	3,78	1,36	4,65	3,77	1,46
19	27	5,70	4,24	1,06	5,47	4,21	1,16	5,23	4,22	1,26	5,14	4,22	1,30	5,00	4,25	1,36	4,77	4,31	1,46
22	30	6,04	3,82	1,07	5,81	3,78	1,17	5,58	3,75	1,27	5,49	3,75	1,31	5,35	3,74	1,37	5,11	3,76	1,47
24	32	6,27	3,57	1,07	6,04	3,53	1,17	5,81	3,49	1,27	5,72	3,48	1,31	5,58	3,46	1,37	5,34	3,45	1,47

Heating ·50· Hz ·220-240· V

AFR	15,33

Indoor	Outdoor temperature [°C WB]											
EDB	-15		-10		-5		0		7		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	2,76	0,93	3,32	0,98	3,88	1,03	4,03	1,35	6,00	1,42	6,52	1,47
20	2,59	0,96	3,15	1,01	3,71	1,05	3,88	1,38	5,80	1,45	6,32	1,50
22	2,52	0,97	3,08	1,02	3,64	1,07	3,81	1,39	5,72	1,46	6,24	1,51
24	2,46	0,98	3,01	1,03	3,57	1,08	3,75	1,40	5,64	1,48	6,16	1,52
25	2,42	0,99	2,98	1,03	3,54	1,08	3,68	1,41	5,60	1,48	6,12	1,53
27	2,35	1,00	2,91	1,04	3,47	1,09	3,62	1,42	5,52	1,50	6,04	1,54

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) On the figure the · □ · mark shows the rated capacity and rated coefficient of the power 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.

3D131705

4 Capacity tables

4 - 1 Capacity Table Legend

ADEA60A / ARXM60R

Cooling ·50· Hz ·220-240· V

AFR	18
BF	0,16

Indoor		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	5,84	3,95	1,27	5,57	3,81	1,40	5,31	3,67	1,52	5,20	3,62	1,57	5,04	3,54	1,64	4,78	3,42	1,77
16	22	6,10	3,83	1,28	5,84	3,69	1,41	5,57	3,55	1,53	5,47	3,50	1,58	5,31	3,42	1,65	5,04	3,30	1,77
18	25	6,36	3,92	1,29	6,10	3,79	1,41	5,83	3,67	1,54	5,73	3,62	1,58	5,57	3,55	1,66	5,30	3,44	1,78
19	27	6,50	4,07	1,29	6,23	3,96	1,42	5,97	3,84	1,54	5,86	3,80	1,59	5,70	3,74	1,66	5,43	3,65	1,78
22	30	6,89	3,81	1,30	6,62	3,69	1,43	6,36	3,58	1,55	6,25	3,54	1,60	6,09	3,48	1,67	5,83	3,38	1,80
24	32	7,15	3,64	1,31	6,89	3,53	1,43	6,62	3,42	1,56	6,52	3,37	1,61	6,36	3,31	1,68	6,09	3,21	1,80

Heating ·50· Hz ·220-240· V

AFR	18

Indoor	Outdoor temperature [°C WB]											
EDB	-15		-10		-5		0		7		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	3,39	1,56	3,93	1,63	4,42	1,70	5,07	1,78	7,21	1,88	7,68	1,92
20	3,18	1,61	3,70	1,69	4,25	1,76	4,89	1,83	7,00	1,93	7,47	1,97
22	3,10	1,63	3,63	1,71	4,18	1,78	4,82	1,85	6,90	1,96	7,39	1,99
24	3,02	1,66	3,55	1,73	4,11	1,80	4,75	1,87	6,81	1,98	7,30	2,01
25	2,97	1,67	3,50	1,74	4,07	1,81	4,72	1,88	6,76	1,99	7,26	2,02
27	2,89	1,69	3,45	1,76	4,00	1,83	4,65	1,90	6,66	2,01	7,18	2,04

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) On the figure the · ▭ · mark shows the rated capacity and rated coefficient of the power 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.

3D120473A

ADEA71A / ARXM71R

Cooling ·50· Hz ·220-240· V

AFR	18
BF	0,14

Indoor		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	6,35	4,25	1,74	6,35	4,25	1,93	6,33	4,24	2,11	6,21	4,17	2,18	6,02	4,07	2,28	5,05	3,57	2,30
16	22	7,28	4,51	1,78	6,96	4,33	1,95	6,65	4,15	2,12	6,52	4,08	2,19	6,33	3,97	2,29	5,30	3,44	2,30
18	25	7,59	4,60	1,79	7,28	4,42	1,96	6,96	4,24	2,13	6,83	4,18	2,20	6,64	4,08	2,30	5,55	3,57	2,30
19	27	7,75	4,73	1,79	7,43	4,56	1,96	7,12	4,39	2,13	6,99	4,33	2,20	6,80	4,24	2,31	5,67	3,77	2,30
22	30	8,22	4,48	1,81	7,90	4,31	1,98	7,59	4,15	2,15	7,46	4,09	2,22	7,27	4,00	2,32	6,04	3,48	2,30
24	32	8,53	4,31	1,82	8,22	4,15	1,99	7,90	3,99	2,16	7,77	3,93	2,23	7,58	3,84	2,33	6,28	3,30	2,30

Heating ·50· Hz ·220-240· V

AFR	18

Indoor	Outdoor temperature [°C WB]											
EDB	-15		-10		-5		0		7		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	4,06	1,68	4,89	1,78	4,75	1,87	5,43	1,97	7,71	2,10	8,21	2,15
20	3,85	1,74	4,68	1,83	4,57	1,92	5,26	2,02	7,50	2,15	8,00	2,21
22	3,77	1,76	4,60	1,85	4,50	1,94	5,19	2,04	7,42	2,19	7,91	2,23
24	3,68	1,78	4,51	1,87	4,43	1,97	5,12	2,06	7,33	2,21	7,83	2,25
25	3,64	1,79	4,47	1,88	4,40	1,98	5,08	2,07	7,29	2,22	7,79	2,26
27	3,56	1,81	4,39	1,90	4,33	2,00	5,01	2,09	7,21	2,23	7,70	2,28

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) On the figure the · ▭ mark shows the rated capacity and rated coefficient of the power 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.

3D120474A

4 Capacity tables

4 - 1 Capacity Table Legend

FAA71A / ARXM71R

Cooling ·50· Hz ·220-240· V

AFR	18
BF	0,12

Indoor		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	6,50	4,33	1,50	6,50	4,33	1,67	6,33	4,24	1,83	6,21	4,17	1,89	6,02	4,07	1,98	5,70	3,89	2,13
16	22	7,28	4,51	1,54	6,96	4,33	1,69	6,65	4,15	1,84	6,52	4,08	1,90	6,33	3,97	1,99	6,01	3,80	2,13
18	25	7,59	4,60	1,55	7,28	4,42	1,70	6,96	4,24	1,85	6,83	4,18	1,91	6,64	4,08	2,00	6,33	3,92	2,14
19	27	7,75	4,73	1,56	7,43	4,56	1,70	7,12	4,39	1,85	6,99	4,33	1,91	6,80	4,24	2,00	6,48	4,09	2,15
22	30	8,22	4,48	1,57	7,90	4,31	1,72	7,59	4,15	1,87	7,46	4,09	1,92	7,27	4,00	2,01	6,95	3,86	2,16
24	32	8,53	4,31	1,58	8,22	4,15	1,73	7,90	3,99	1,87	7,77	3,93	1,93	7,58	3,84	2,02	7,27	3,70	2,17

Heating ·50· Hz ·220-240· V

AFR	18

Indoor	Outdoor temperature [°C WB]											
EDB	-15		-10		-5		0		7		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	4,41	1,75	5,16	1,87	4,91	2,00	5,52	2,12	7,71	2,30	8,16	2,37
20	4,20	1,80	4,95	1,93	4,73	2,05	5,35	2,18	7,50	2,35	7,95	2,43
22	4,12	1,82	4,87	1,95	4,66	2,07	5,28	2,20	7,42	2,39	7,87	2,45
24	4,04	1,84	4,79	1,97	4,59	2,09	5,21	2,22	7,33	2,41	7,78	2,47
25	3,99	1,85	4,74	1,98	4,56	2,10	5,17	2,23	7,29	2,42	7,74	2,48
27	3,91	1,87	4,66	2,00	4,49	2,12	5,10	2,25	7,21	2,44	7,66	2,50

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) On the figure the · ▭ mark shows the rated capacity and rated coefficient of the power 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.

3D120475A

FBA71A(9) / ARXM71R

Cooling ·50· Hz ·220-240· V

AFR	18
BF	0,14

Indoor		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	6,35	4,25	1,41	6,35	4,25	1,57	6,33	4,24	1,73	6,21	4,17	1,78	6,02	4,07	1,87	5,70	3,89	2,01
16	22	7,28	4,51	1,46	6,96	4,33	1,60	6,65	4,15	1,74	6,52	4,08	1,79	6,33	3,97	1,88	6,01	3,80	2,02
18	25	7,59	4,60	1,47	7,28	4,42	1,61	6,96	4,24	1,75	6,83	4,18	1,80	6,64	4,08	1,88	6,33	3,92	2,02
19	27	7,75	4,73	1,47	7,43	4,56	1,61	7,12	4,39	1,75	6,99	4,33	1,81	6,80	4,24	1,89	6,48	4,09	2,03
22	30	8,22	4,48	1,48	7,90	4,31	1,62	7,59	4,15	1,76	7,46	4,09	1,82	7,27	4,00	1,90	6,95	3,86	2,04
24	32	8,53	4,31	1,49	8,22	4,15	1,63	7,90	3,99	1,77	7,77	3,93	1,83	7,58	3,84	1,91	7,27	3,70	2,05

Heating ·50· Hz ·220-240· V

AFR	18

Indoor	Outdoor temperature [°C WB]											
EDB	-15		-10		-5		0		7		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	4,06	1,58	4,89	1,67	4,75	1,77	5,43	1,86	7,71	1,99	8,21	2,05
20	3,85	1,63	4,68	1,72	4,57	1,82	5,26	1,91	7,50	2,04	8,00	2,10
22	3,77	1,65	4,60	1,74	4,50	1,84	5,19	1,93	7,42	2,08	7,91	2,12
24	3,68	1,67	4,51	1,77	4,43	1,86	5,12	1,95	7,33	2,10	7,83	2,14
25	3,64	1,68	4,47	1,78	4,40	1,87	5,08	1,96	7,29	2,11	7,79	2,15
27	3,56	1,70	4,39	1,80	4,33	1,89	5,01	1,98	7,21	2,12	7,70	2,17

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) On the figure the · ▭ mark shows the rated capacity and rated coefficient of the power 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.

3D120476A

4 Capacity tables

4 - 1 Capacity Table Legend

FCAG71B / ARXM71R

Cooling ·50· Hz ·220-240· V

AFR	15,3
BF	0,16

Indoor		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	5,28	3,85	1,55	5,28	3,85	1,75	5,28	3,85	1,95	5,28	3,85	2,03	5,28	3,85	2,14	5,28	3,85	2,30
16	22	6,70	4,25	1,64	6,70	4,25	1,82	6,65	4,22	1,99	6,52	4,16	2,06	6,33	4,06	2,15	5,96	3,88	2,30
18	25	7,59	4,66	1,68	7,28	4,50	1,84	6,96	4,35	2,00	6,83	4,29	2,06	6,64	4,20	2,16	6,22	4,02	2,30
19	27	7,75	4,83	1,69	7,43	4,69	1,85	7,12	4,55	2,01	6,99	4,49	2,07	6,80	4,42	2,17	6,36	4,26	2,30
22	30	8,22	4,53	1,70	7,90	4,39	1,86	7,59	4,25	2,02	7,46	4,20	2,08	7,27	4,12	2,18	6,75	3,92	2,30
24	32	8,53	4,33	1,71	8,22	4,19	1,87	7,90	4,06	2,03	7,77	4,00	2,09	7,58	3,93	2,19	7,00	3,71	2,30

Heating ·50· Hz ·220-240· V

AFR	15

Indoor	Outdoor temperature [°C WB]											
EDB	-15		-10		-5		0		7		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	4,21	1,64	5,01	1,76	4,82	1,88	5,47	2,00	7,71	2,17	8,19	2,24
20	4,00	1,69	4,80	1,81	4,64	1,93	5,29	2,05	7,50	2,22	7,98	2,29
22	3,92	1,71	4,71	1,83	4,57	1,95	5,23	2,07	7,42	2,26	7,89	2,31
24	3,83	1,73	4,63	1,85	4,50	1,97	5,16	2,09	7,33	2,28	7,81	2,33
25	3,79	1,74	4,59	1,86	4,47	1,98	5,12	2,10	7,29	2,29	7,77	2,34
27	3,71	1,76	4,50	1,88	4,40	2,00	5,05	2,12	7,21	2,31	7,61	2,36

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

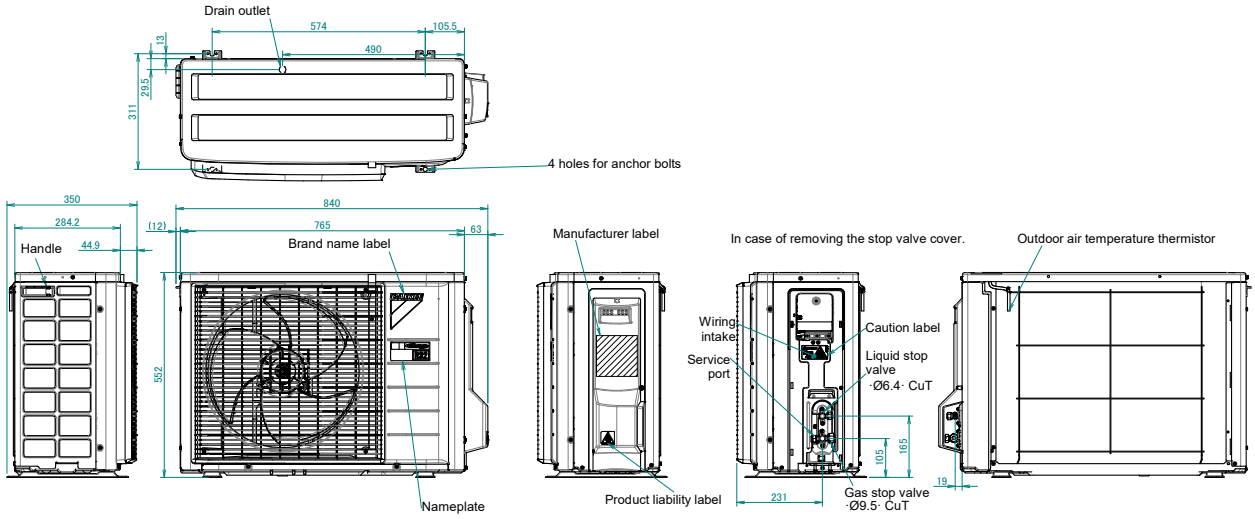
1) The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2) On the figure the · ▭ · mark shows the rated capacity and rated coefficient of the power input.
3) The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the 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.

3D120477B

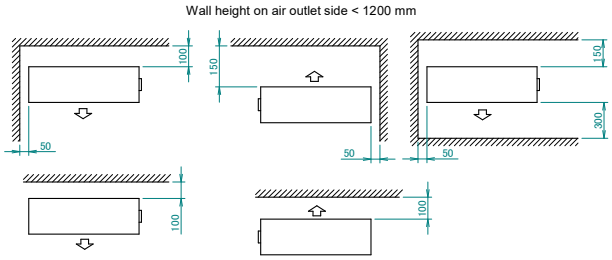
5 Dimensional drawings

5 - 1 Dimensional Drawings

ARXM25-35R

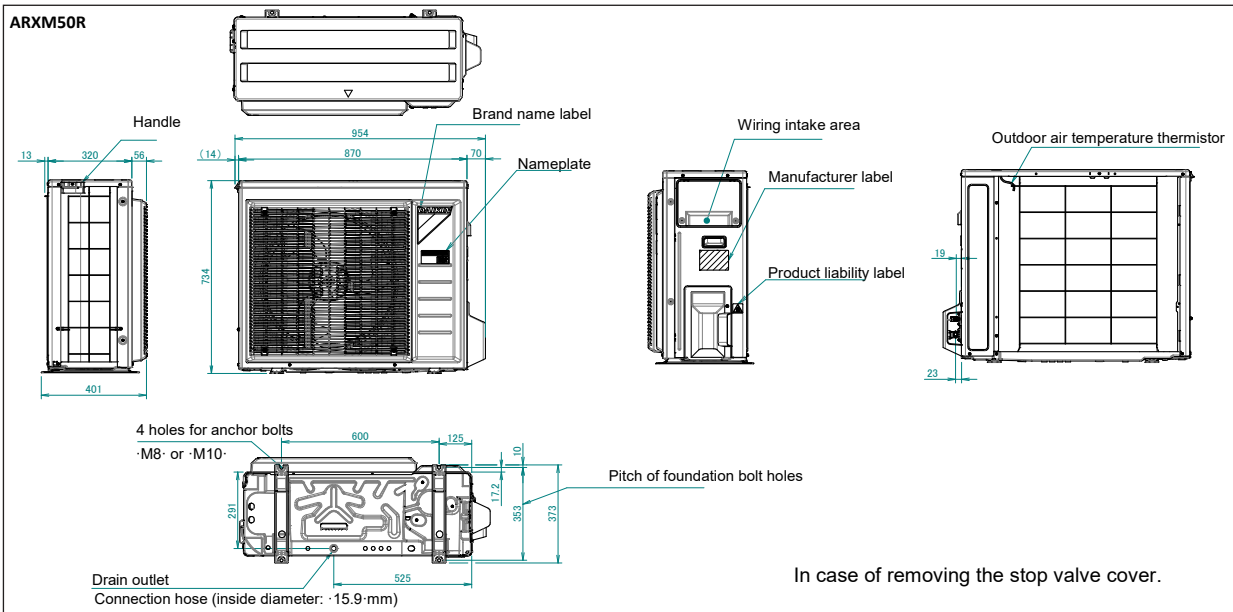


Minimum space for air passage



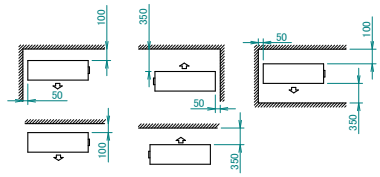
3D119881A

ARXM50R

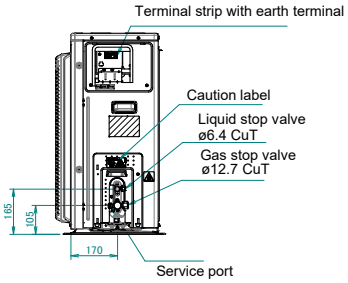


Minimum space for air passage

Wall height on air outlet side < 1200 mm



In case of removing the stop valve cover.

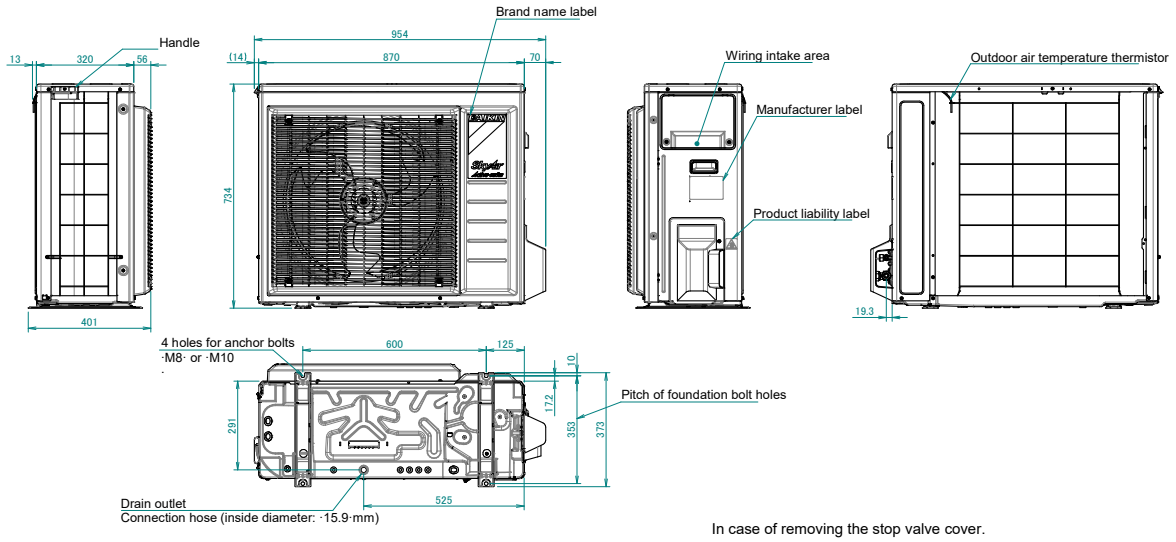


3D114108B

5 Dimensional drawings

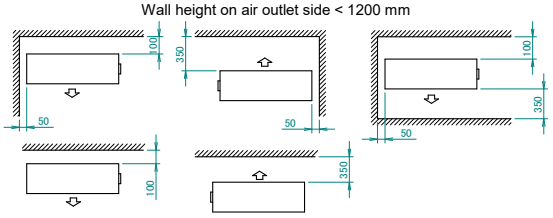
5 - 1 Dimensional Drawings

ARXM60-71R

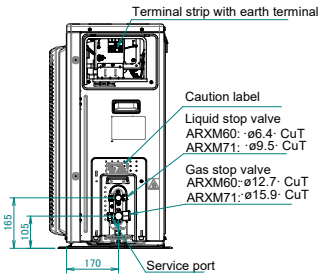


Minimum space for air passage

Wall height on air outlet side < 1200 mm



In case of removing the stop valve cover.

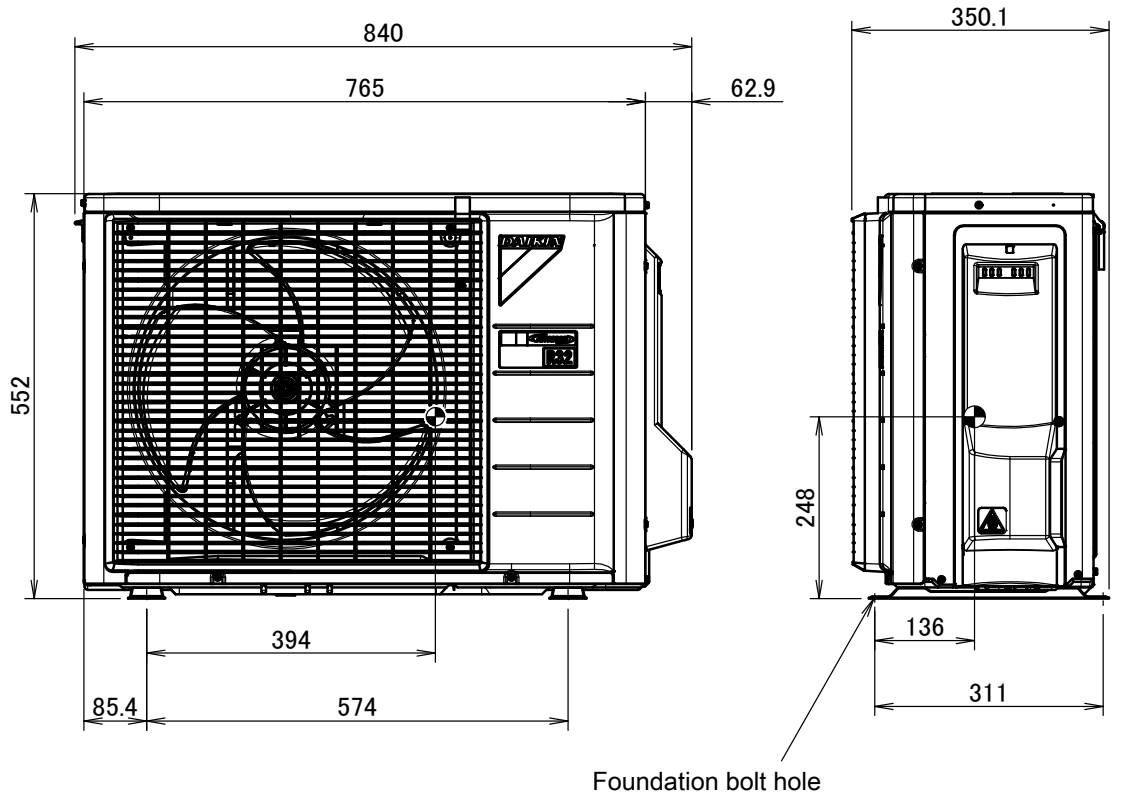


3D120421A

6 Centre of gravity

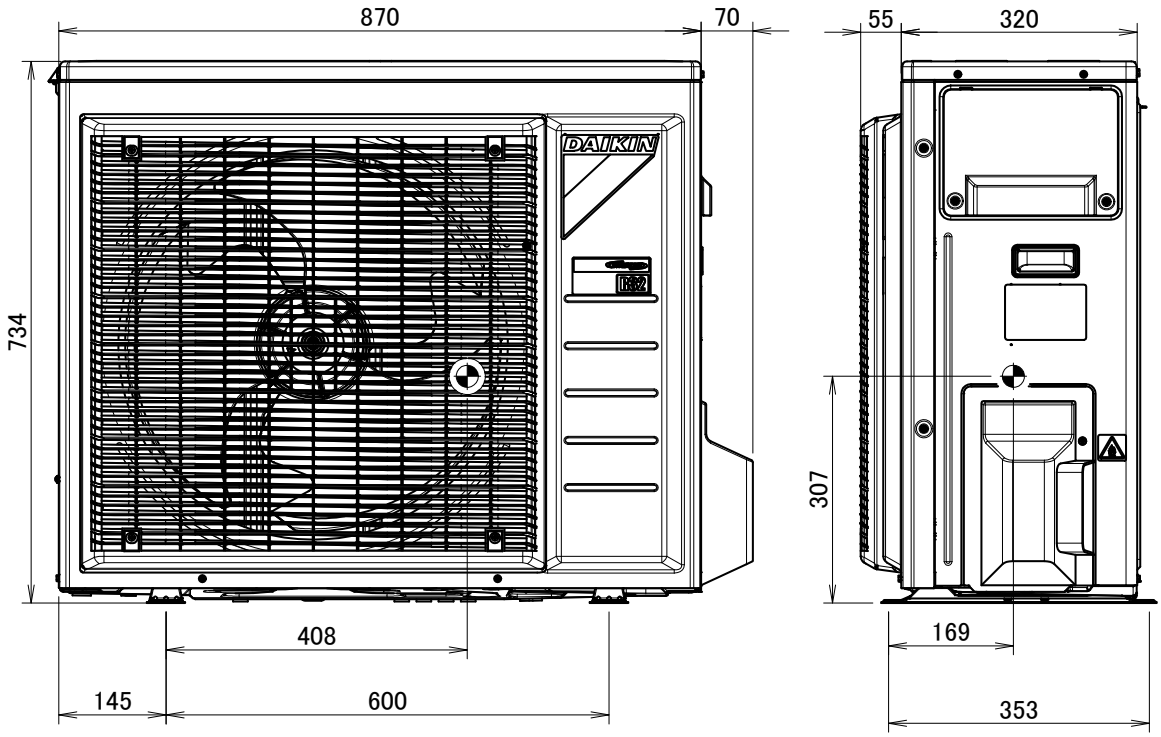
6 - 1 Centre of Gravity

ARXM25-35R



4D119880

ARXM50R

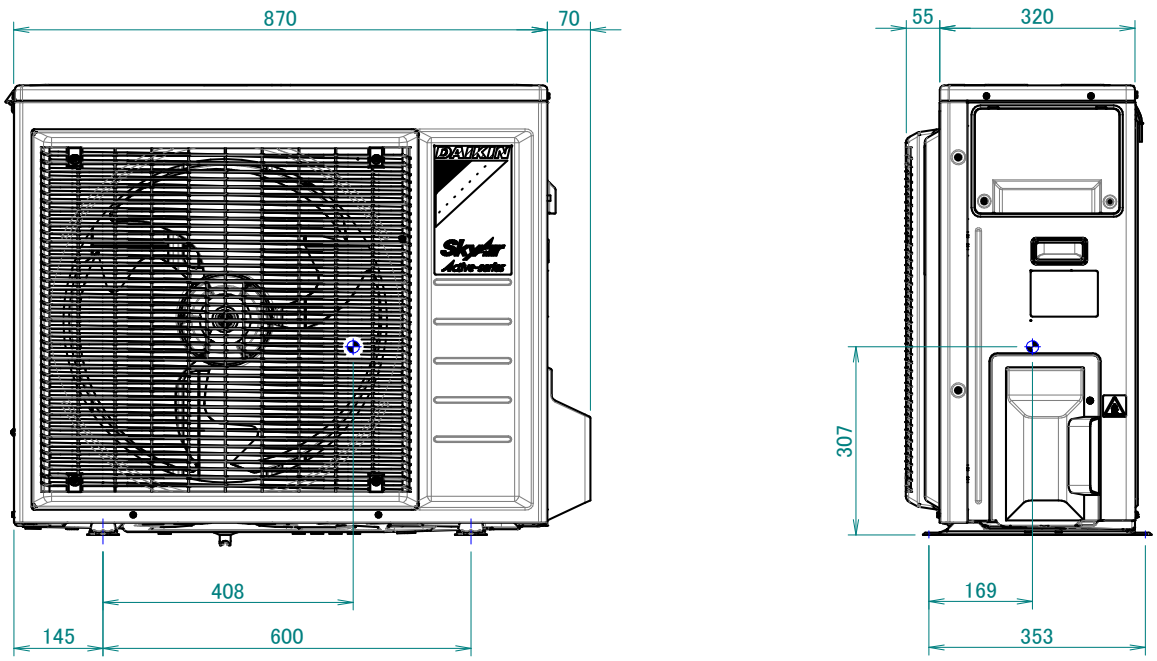


4D117299

6 Centre of gravity

6 - 1 Centre of Gravity

ARXM60-71R

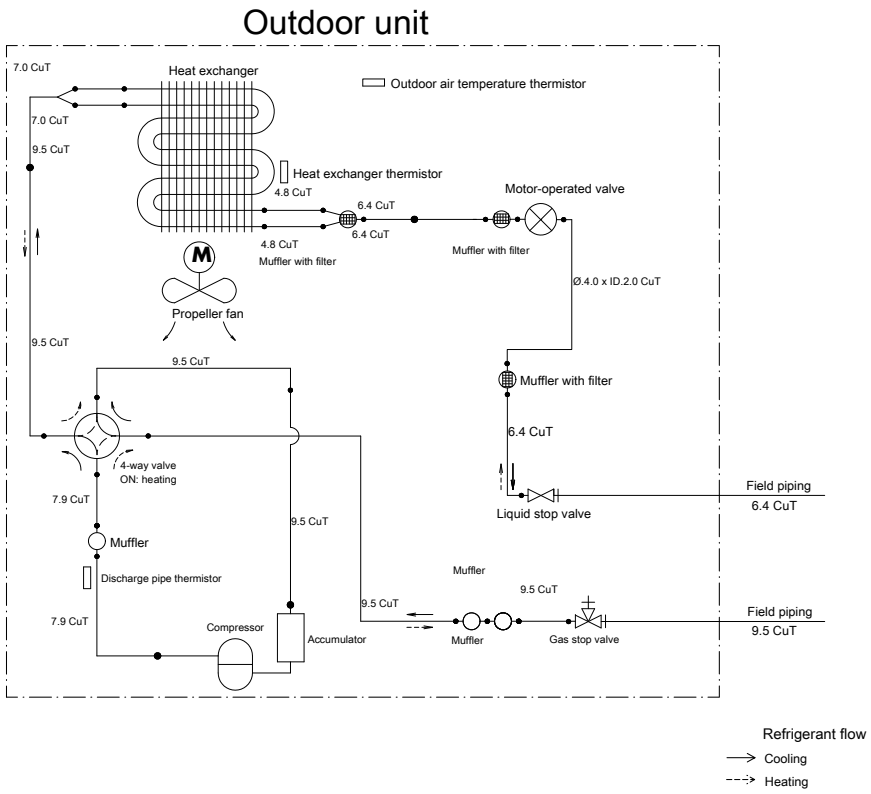


4D120417

7 Piping diagrams

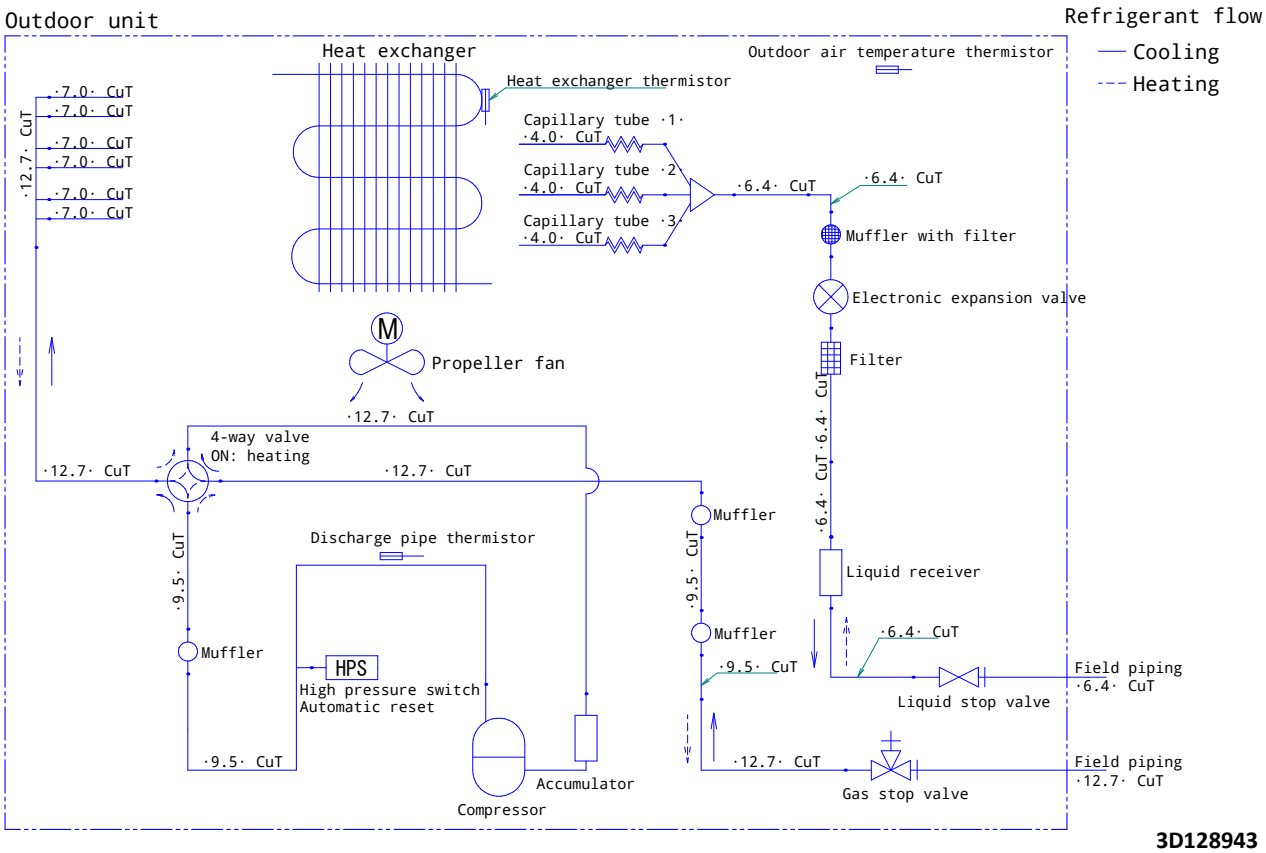
7 - 1 Piping Diagrams

ARXM25-35R



3D091995B

ARXM50-60R

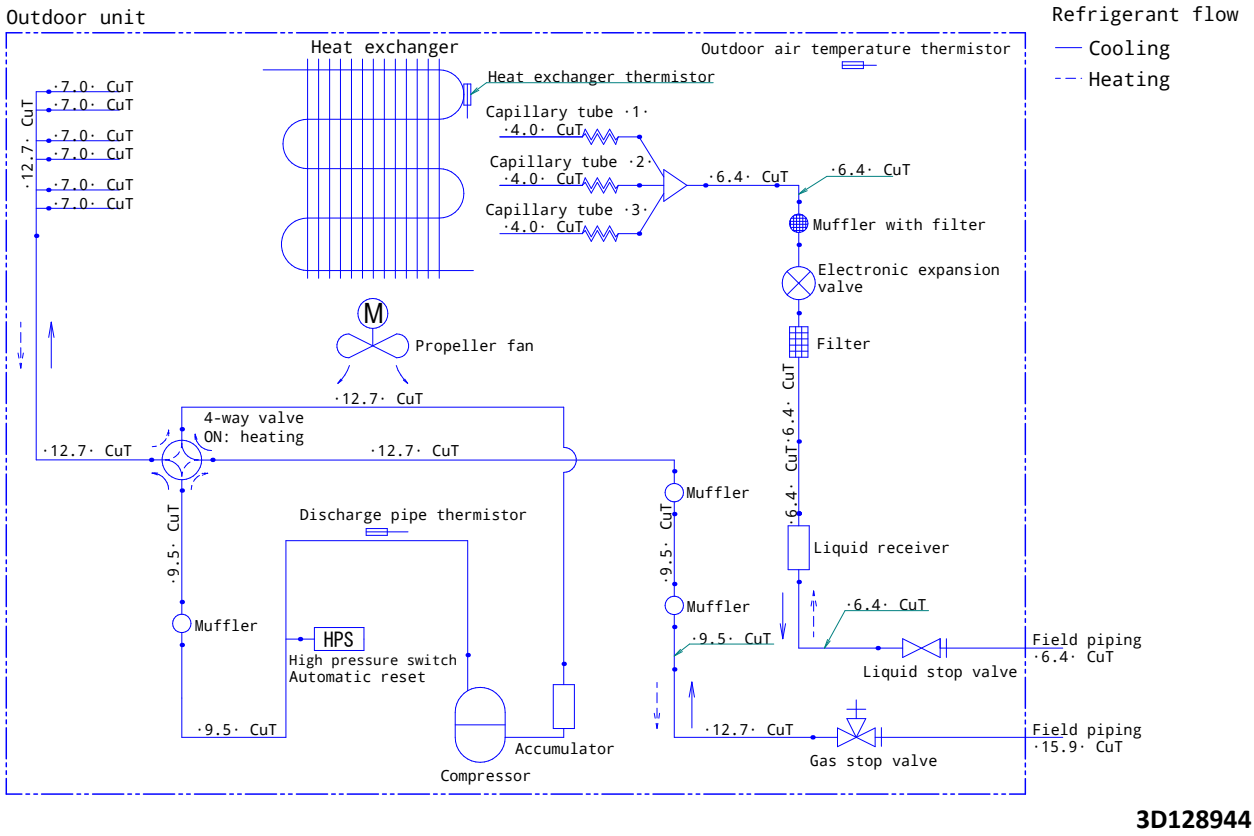


3D128943

7 Piping diagrams

7 - 1 Piping Diagrams

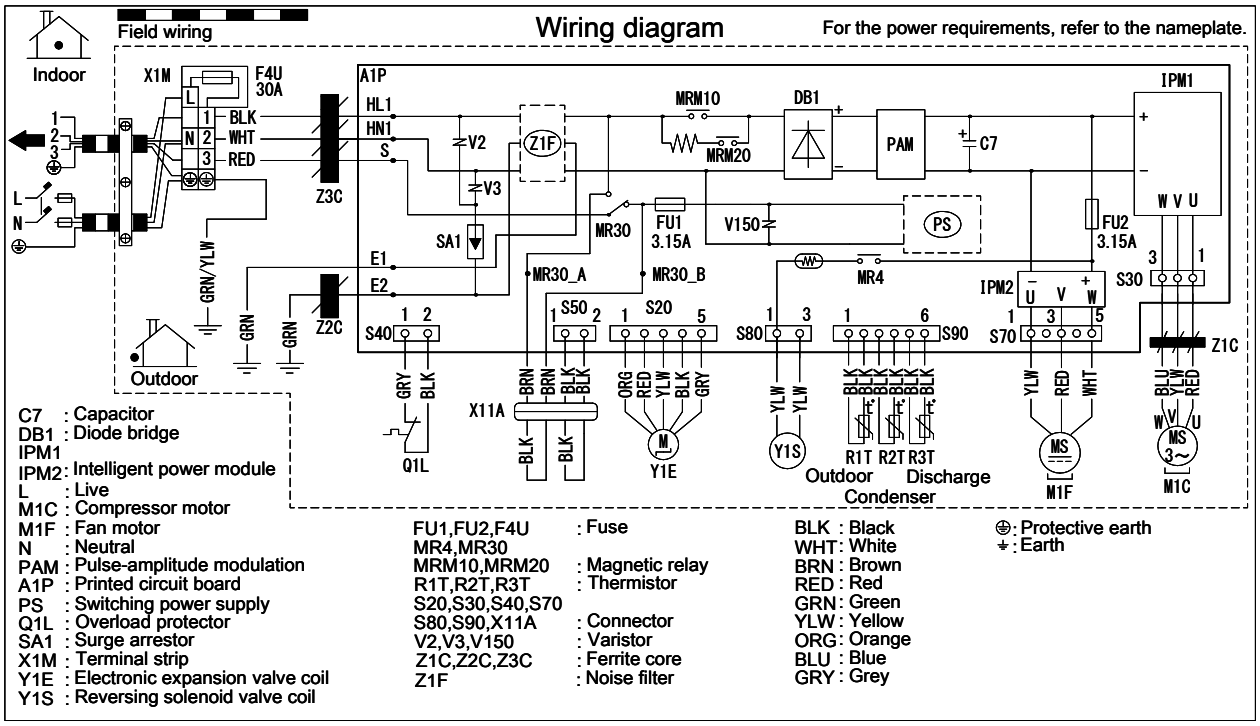
ARXM71R



8 Wiring diagrams

8 - 1 Wiring Diagrams - Single Phase

ARXM25-35R



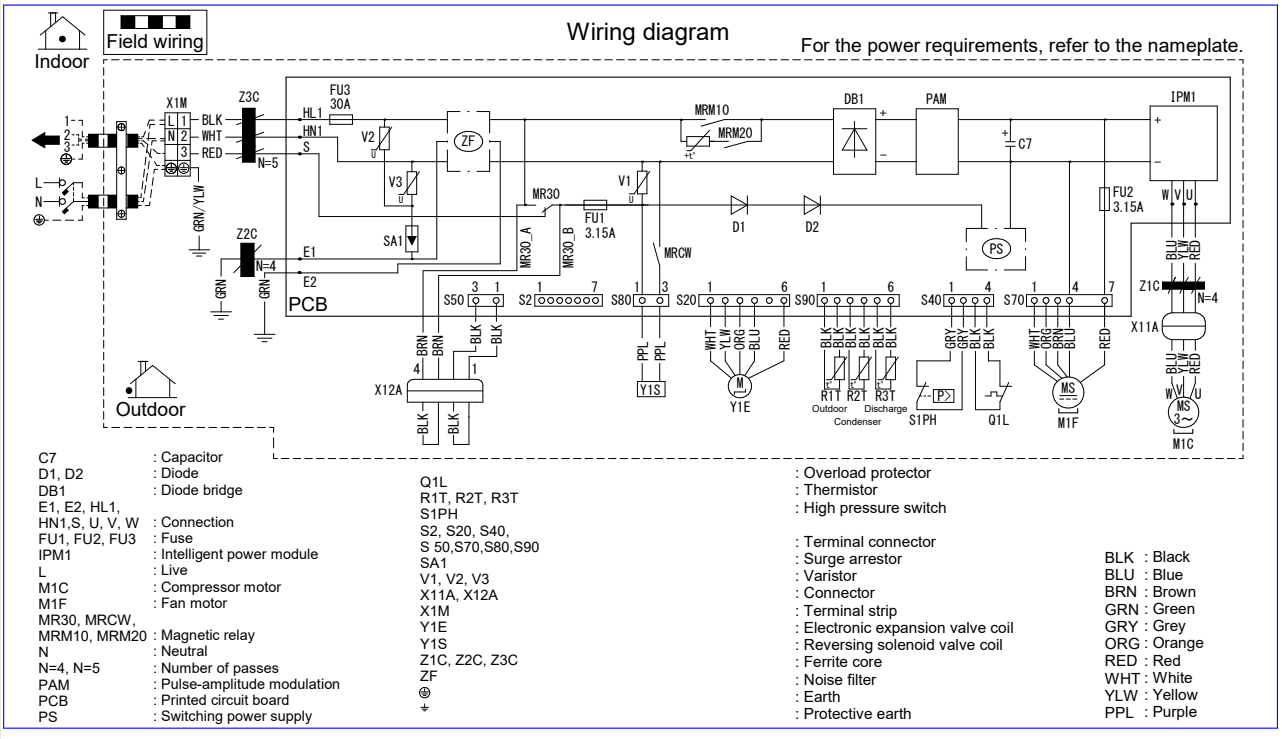
Notes

Size: 140 x 80

Refer to purchasing specification AS303002, unless otherwise specified.

4D120154

ARXM50-71R



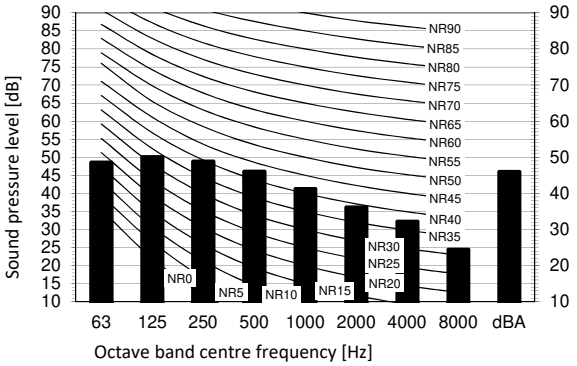
3D130906A

9 Sound data

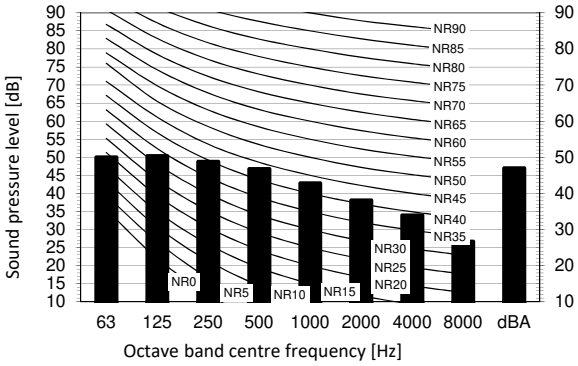
9 - 1 Sound Pressure Spectrum

ARXM25R

Cooling mode



Heating mode



Legend

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

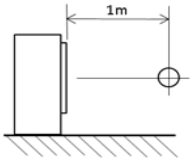
A Scale

B Fan speed: High

Notes

1 Background noise already taken into account.
2 Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
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

Location of microphone



Cooling — Total dB

A	B
dBA	46

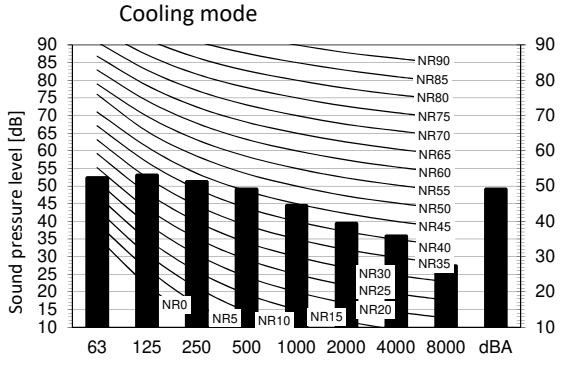
Heating — Total dB

A	B
dBA	47

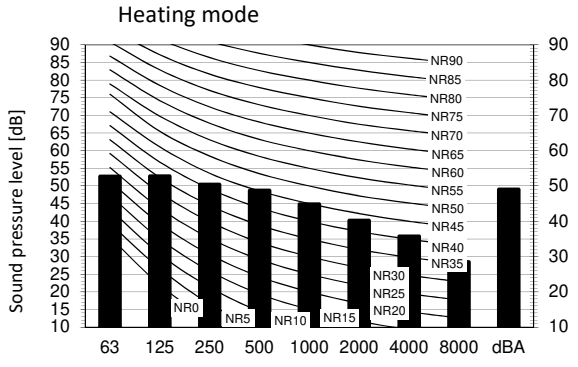
3D110122A

ARXM35R

Cooling mode



Heating mode



Legend

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

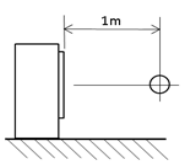
A Scale

B Fan speed: High

Notes

1 Background noise already taken into account.
2 Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
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

Location of microphone



Cooling — Total dB

A	B
dBA	49

Heating — Total dB

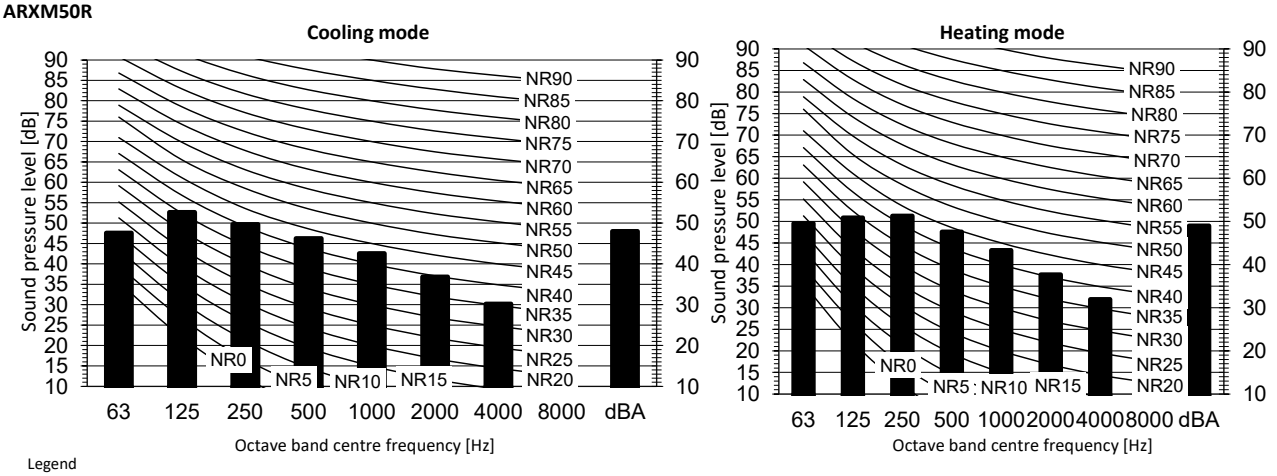
A	B
dBA	49

3D110123A

9 Sound data

9 - 1 Sound Pressure Spectrum

ARXM50R



Legend

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

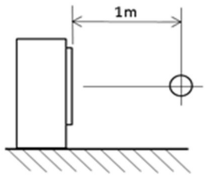
A Scale

B Fan speed: High

Cooling	Total dB
A	B
dBA	48

Heating	Total dB
A	B
dBA	49

Location of microphone

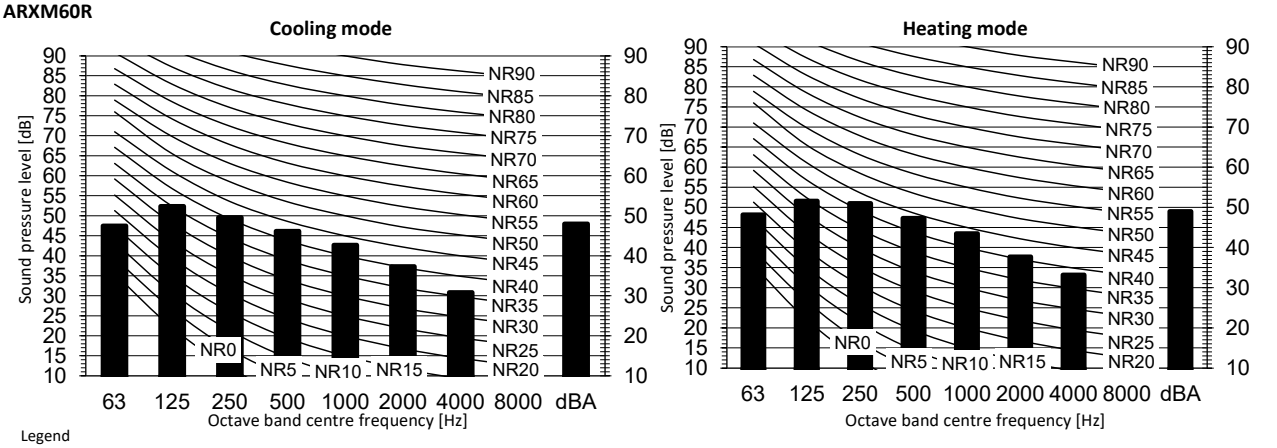


Notes

1. Operating conditions: power source 220-240 V/220 V 50/60 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

3D131753

ARXM60R



Legend

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

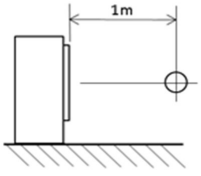
A Scale

B Fan speed: High

Cooling	Total dB
A	B
dBA	48

Heating	Total dB
A	B
dBA	49

Location of microphone



Notes

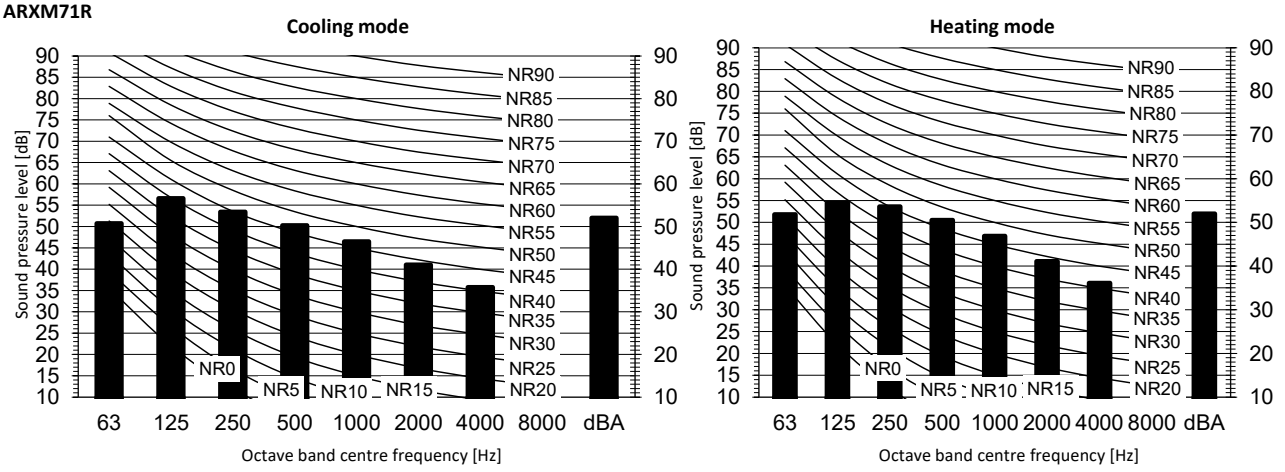
1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

3D131754

9 Sound data

9 - 1 Sound Pressure Spectrum

ARXM71R



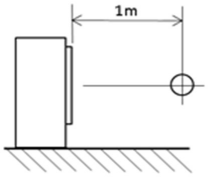
Legend

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

A Scale

B Fan speed: High

Location of microphone



Cooling / Total dB

A	B
dBA	52

Heating / Total dB

A	B
dBA	52

Notes

1. Operating conditions: power source 220-240 V/220 V 50/60 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

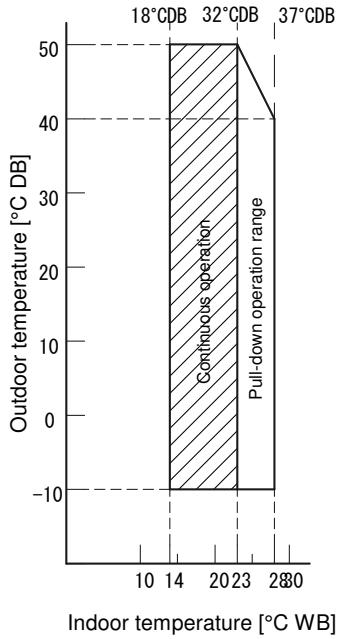
3D131756

10 Operation range

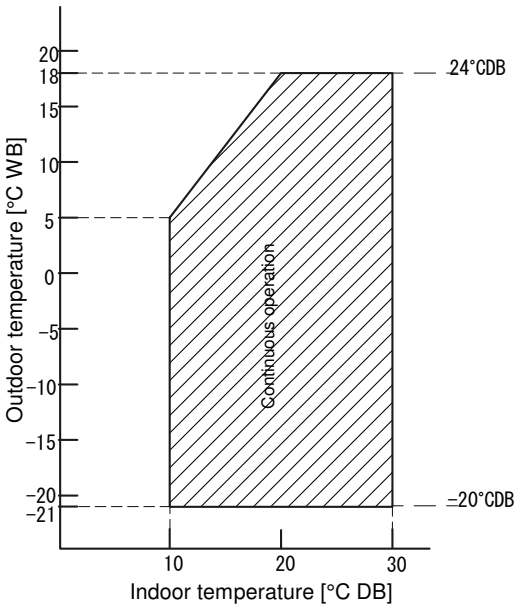
10 - 1 Operation Range

ARXM25-50R

Cooling

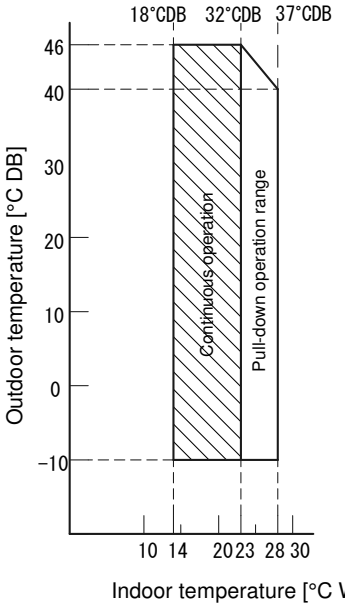


Heating

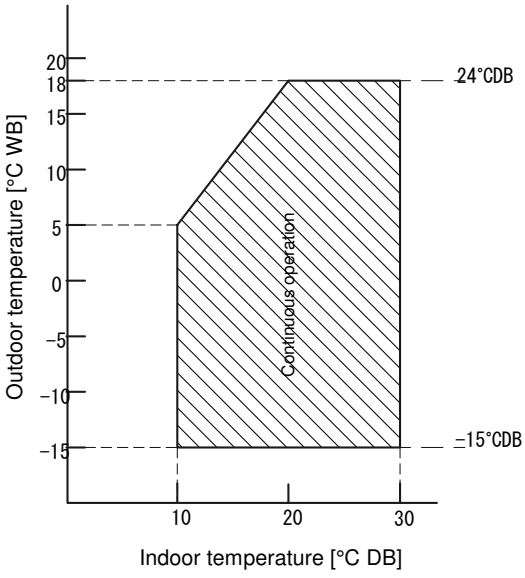


Only possible in combination with ·CTXM*N2V1B, ATXM*N2V1B, FTXM*N2V1B·

Cooling



Heating



Only possible in combination with ·CTXM*M2V1B, ATXM*M2V1B, FTXM*M2V1B, FVXM*FV1B, FCAG*AVEB, FFA*A2VEB9, FBA*A2VEB9, FHA*AVEB9, FDXM*F3V1B9, FNA*A2VEB9, ADEA*A2VEB·

Notes

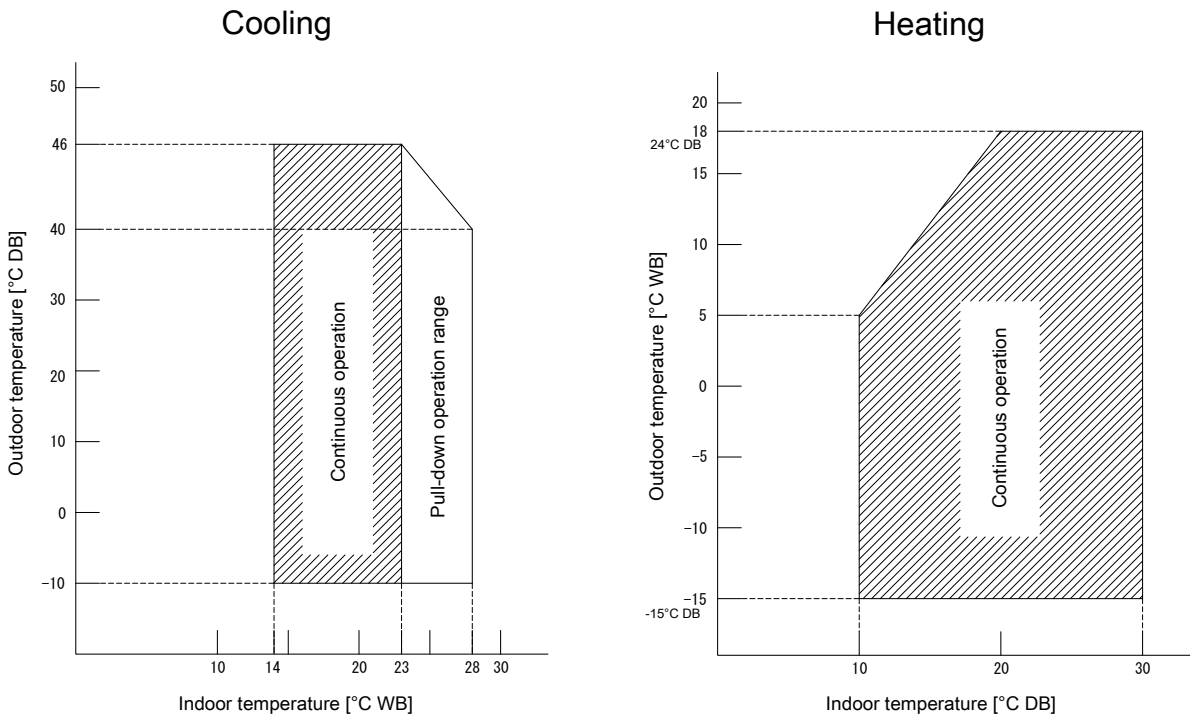
1. The ·graph· is based on the following conditions.
   Corresponding refrigerant piping length: ·5· m
   Level difference: ·0·m
   Air flow rate High

3D119882D

10 Operation range

10 - 1 Operation Range

ARXM60-71R



Notes

1. The graphs is based on the following conditions.
   Corresponding refrigerant piping length: 5 m
   Level difference: 0m
   Air flow rate High

3D100846D

Daikin Europe N.V. Naamloze Vennootschap · Zandvoordestraat 300 · 8400 Oostende · Belgium · www.daikin.eu · BE 0412 120 336 · RPR Oostende (Responsible Editor)

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