DAIKIN

TECHNICAL DATA

Split-Sky Air

R-GZ7/RP-B7

Pair Application

Split Sky Air

ISO14001 assures an effective environmental management system in order to help protect human health and the environment from the potential impact of our activities, products and services and to assist in maintaining and improving the quality of the environment

Daikin units comply with the European regulations that guarantee the safety of the product.

Daikin Europe NV is approved by LRQA for its Quality Management System in accordance with the ISO9001 standard. ISO9001 pertains to quality assurance regarding design, development, manufacturing as well as to services related to the product.

Daikin Europe NV is participating in the EUROVENT Certification Programme. Products are as listed in the EUROVENT Directory of Certified Products.

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R-GZ7/RP-B7

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Outdoor units for pair application

Daikin outdoor units are neat and sturdy and can be mounted easily on a roof or terrace or simply placed against an outside wall. They are fitted with either rotary or scroll compressor, renowned for low noise and high energy efficiency.

A special acryl precoated fin for anti-corrosion treatment on the heat exchanger ensures greater resistance against severe weather conditions.

2 Specifications

TECHNICAL SPECIFICATIONS								
OUTDOOR UNITS				**R25GZ7V11**	**R35GZ7V11**	**R45GZ7V11/W11**	**R60GZ7W1**	**RP71B7V1/W1/T1**
DIMENSIONS	Unit	H	mm	540	540	540	660	860
		W	mm	750	750	750	880	880
		D	mm	270	270	270	350	320
WEIGHT	Unit		kg	32	39	46	62	88/85/85
MATERIAL	Unit			Painted metal				Painted galvanised steel plate
COLOUR	Unit			Ivory white				
SOUND LEVEL	Sound pressure (1)	high	dBA	44	48	51	54	50
		low	dBA	-	-	-	-	-
	Sound power (2)	high	dBA	58	61	64	67	63
FAN	Air flow rate	high	m^3/min	25	27	30	43	51
	Speed	steps		2 steps	2 steps	2 steps	2 steps	3 steps
		high	rpm	710	815	890	785	-
		low	rpm	325	490	470	455	-
	Type			-	-	-	-	-
	Qty x model			1 x F62P15S22	1 x UE6S-315A4P	1 x F62P45J22	1 x AF-220-49-6-1	1 x P47L11S
	Qty x motor output		W	1 x 25	1 x 30	1 x 45	1 x 49	1 x 80
HEAT EXCHANGER	Type			Hi-XA U-cooling tube, WL fin				Hi-XA U-cooling tube, non symm. waffle louvre
	Rows x stages x fin pitch		mm	1 x 20 x 2.0	2 x 20 x 2.0	2 x 20 x 2.0	2 x 24 x 2.0	2 x 38 x 2.0
	Face area		m^2	0.381	0.372	0.372	0.481	0.719
REFRIGERANT CIRCUIT	Refrigerant type			R407C				
	Refrigerant charge		kg	0.75	1.3	1.5	1.85	3.1
	Number of circuits			1	1	1	1	-
	Refrigerant control			-	-	-	-	Expansion valve (electronic type)
COMPRESSOR	Type			Hermetically sealed rotary compressor				
	Qty x model			1 x 802 252 45	1 x 802 352 45	1 x 808 052 45 1 x 808 060 88	1 x 808 445 88	1 x JT90FA-V1N 1 x JT90FA-YE 1 x JT90FA-T1
	Motor output x no		W	750 x 1	1,075 x 1	1,500 x 1 1,600 x 1	2,100 x 1	2,200 x 1
	Number of cylinders			1	1	1	1	-
	Speed		rpm	2,875	2,880	2,875/2,790	2,800	-
	Oil type			FV68S	FV68S	FV68S	FV68S	Dapne FVC68D
	Oil charge volume		ℓ	0.47	0.52	0.75	1.35	1.2
	Crankcase heater		W	-	-	-	-	-
PIPING CONNECTIONS		liquid	mm	φ6.4	φ6.4	φ6.4	φ6.4	φ9.5
		gas	mm	φ9.5	φ12.7	φ15.9	φ15.9	φ15.9
		drain	mm	φ18	φ18	φ18	φ18	φ26
INSULATION MATERIAL	Heat insulation			Both liquid and gas pipes				
	Safety devices			-	-	-	-	High and low pressure switch, thermal protection for indoor and outdoor fan motor, overcurrent relay, (compressor), fuse

2 Specifications

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TECHNICAL SPECIFICATIONS

OUTDOOR UNITS				RP100B7V1/W1/T1	RP125B7W1/T1	RP200B7W1	RP250B7W1
DIMENSIONS	Unit	H	mm	1,215	1,215	1,220	1,440
		W	mm	880	880	1,290	1,290
		D	mm	320	320	700	700
WEIGHT	Unit		kg	103/98/98	100	194	206
MATERIAL	Unit			Painted galvanised steel plate			
COLOUR	Unit			Ivory white			
SOUND LEVEL	Sound pressure (1)	high	dBA	53	53	56	56
		low	dBA	-	-	-	-
	Sound power (2)	high	dBA	66	67	77	77
FAN	Air flow rate	high	m^3/min	94	94	170	175
	Speed	steps		3 steps	3 steps	1 Step	1 Step
		high	rpm	-	-	-	-
		low	rpm	-	-	-	-
	Type			-	-	-	-
	Qty x model			2 x P47L11S	2 x P47L11S	1 x P55J11F	1 x P55J11F
	Qty x motor output		W	1 x (80+85)	1 x (80+85)	1 x (230+190)	1 x (230+140)
HEAT EXCHANGER	Type			Hi-XA cooling tube, non symm. waffle louvre			
	Rows x stages x fin pitch		mm	2 x 54 x 2.0	2 x 54 x 2.0	2 x 40 x 2	2 x 50 x 2
	Face area		m^2	1,022	1,022	1.57	1.97
REFRIGERANT CIRCUIT	Refrigerant type			R407C			
	Refrigerant charge		kg	3.6	3.9	7.5	9.2
	Number of circuits			-	-	-	-
	Refrigerant control			Expansion valve (electronic type)		Expansion valve	
COMPRESSOR	Type			Hermetically sealed scroll type			
	Qty x model			1 x JT125FA-V1N 1 x T125FA-YE 1 x JT125FA-T1	1 x JT160FA-YE 1 x JT160FA-T1	1 x JT236DA-YE@2	1 x JT300DA-YE@2
	Motor output x no		W	3,000 x 1	3,750 x 1	5,500 x 1	7,500 x 1
	Number of cylinders			-	-	-	-
	Speed		rpm	-	-	2,900	2,900
	Oil type			Daphne FVC68D	Daphne FVC68D	Daphne*FVC68D	Daphne*FVC68D
	Oil charge volume		ℓ	1.5	1.5	4	4
	Crankcase heater		W	-	-	50	72
PIPING CONNECTIONS		liquid	mm	φ9.5	φ9.5	φ12.7 x 0.90	φ15.9 x 0.95
		gas	mm	φ19.1	φ19.1	φ28.60 x 1.15	φ28.60 x 1.15
		drain	mm	φ26 x 3	φ26 x 3	φ26 x 6	φ26 x 6
INSULATION MATERIAL	Heat insulation			Both liquid and gas pipes			
	Safety devices			High and low pressure switch, thermal protector for indoor and outdoor fan motor, overcurrent relay (compressor), reverse phase protection (W1/T1) fuse.		High and low pressure switches, thermal protector for indoor and outdoor fan motor, fuse, over current relay (compressor), reverse phase protector, compressor thermal protector	

2 Specifications

ELECTRICAL SPECIFICATIONS								
OUTDOOR UNITS				**R25GZ7V11**	**R35GZ7V11**	**R45GZ7V11/W11**	**R60GZ7W1**	**RP71B7V1/W1/T1**
CURRENT	Nominal running current	cooling	A	3.8	6.4	10.8/3.98	5.6/6.35	-
	Maximum running current	cooling	A	-	-	-	26	-
	Starting current	cooling	A	20	33.5	48/19	26	-

OUTDOOR UNITS			**R25GZ7V11**	**R35GZ7V11**	**R45GZ7V11/W11**	**R60GZ7W1**	**RP71B7V1/W1/T1**
POWER SUPPLY			V11	V11	V11/W11	W1	V1/W1/T1
NOMINAL DISTRIBUTION SYSTEM VOLTAGE	Phase		1~	1~	1~/3N~	3N~	1~/3N~/3~
	Frequency	Hz	50	50	50	50	50
	Voltage	V	230	230	230/400	400	230/400/230

ELECTRICAL SPECIFICATIONS							
OUTDOOR UNITS				**RP100B7V1/W1/T1**	**RP125B7W1/T1**	**RP200B7W1**	**RP250B7W1**
CURRENT	Nominal running current	cooling	A	-	-	14.4	17.2
	Maximum running current	cooling	A	-	-	17.9	27.5
	Starting current	cooling	A	-	-	-	-

OUTDOOR UNITS			**RP100B7V1/W1/T1**	**RP125B7W1/T1**	**RP200B7W1**	**RP250B7W1**
POWER SUPPLY			V1/W1/T1	W1/T1	W1	W1
NOMINAL DISTRIBUTION SYSTEM VOLTAGE	Phase		1~/3N~/3~	3N~/3~	3N~	3N~
	Frequency	Hz	50	50	50	50
	Voltage	V	230/400/230	400/230	400	400

NOTES

1 The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value, depending on the distance and acoustic environment. For measuring conditions: please refer to item 8 of this chapter.

2 The sound power level is an absolute value indicating the ''power'' which a sound source generates.

3 Maximum allowable distance between indoor and outdoor unit: 25 m (for R25-35-45-60 GZ7), 70 m (for RP71-100-125B7), 50 m (for RP200-250B7; 70 m equivalent).
Maximum allowable level difference: 15 m (for R25-35-45-60GZ7), 30 m (for RP71-100-125-200-250B7)

4 Additional refrigerant: 20g/m for total piping length > 25 m (for R25-35-45-60GZ7), 60g/m fot total piping length > 30 m (for RP200B7), 90g/m for total piping length > 30 m (for RP250B7). No additional refrigerant charge for RP71-100-125B7.

2 Specifications

2 ELECTRICAL DATA

R25GZ7V11

Connection ratio (%)	Indoor unit	Power supply					Compressor		OFM		IFM		EH	
		Hz - Volts	Voltage range	MCA	TOCA	MFA	LRA	RLA	W	FLA	W	FLA	W	FLA
–	FT25JZV1NB	50-230	Max. 253V Min. 207V	4.6	–	15.0	20	3.4	15	0.2	19	0.2	–	–
–	FHEB25GZ7V1	50-230	Max. 253V Min. 207V	4.6	–	15.0	20	3.4	15	0.2	10	0.2	–	–

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R35GZ7V11

Connection ratio (%)	Indoor unit	Power supply					Compressor		OFM		IFM		EH	
		Hz - Volts	Voltage range	MCA	TOCA	MFA	LRA	RLA	W	FLA	W	FLA	W	FLA
–	FT35JZV1NB	50-230	Max. 253V Min. 207V	7.9	–	15.0	33.5	6.0	27	0.3	19	0.2	–	–
–	FH35BZV1	50-230	Max. 253V Min. 207V	8.1	–	15.0	33.5	6.0	27	0.3	57	0.3	–	–
–	FHC35BZ7V1	50-230	Max. 253V Min. 207V	8.0	–	15.0	33.5	6.0	27	0.3	45	0.3	–	–
–	FHB35GZ7V1	50-230	Max. 253V Min. 207V	8.2	–	15.0	33.5	6.0	27	0.3	65	0.4	–	–

3TW01911-3

R45GZ7V11

Connection ratio (%)	Indoor unit	Power supply					Compressor		OFM		IFM		EH	
		Hz - Volts	Voltage range	MCA	TOCA	MFA	LRA	RLA	W	FLA	W	FLA	W	FLA
–	FT45GAZV1NB	50-230	Max. 253V Min. 207V	13.4	–	25.0	48.0	10.3	45	0.3	40	0.2	–	–
–	FT45GAZ7V1	50-230	Max. 253V Min. 207V	13.5	–	25.0	48.0	10.3	45	0.3	57	0.3	–	–
–	FHC45BZ7V1	50-230	Max. 253V Min. 207V	13.5	–	25.0	48.0	10.3	45	0.3	45	0.3	–	–
–	FHB45GZ7V1	50-230	Max. 253V Min. 207V	13.7	–	25.0	48.0	10.3	45	0.3	85	0.5	–	–

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SYMBOLS

MCA : Min. Circuit Amps
TOCA : Total Over Current Amps
MFA : Max. Fuse Amps
LRA : Locked Rotor Amps
RLA : Rated Load Amps (A)
OFM : Outdoor Fan Motor
IFM : Indoor Fan Motor
FLA : Full Load Amps
W : Fan Motor Rated Output (W)
EH : Electric Heater

NOTES

1. RLA is based on the following conditions:
   Indoor temp.: 27°CDB/19.0°CWB
2. TOCA means the total value of each OC set
3. Voltage range
   Units are suitable for use on electrical systems where voltage supplied to unit terminals is not below or above listed operation range limits
4. Maximum allowable voltage unbalance between phases is 2%
5. MCA/MFA
   MCA = 1,25 x RLA + ea. FLA + 1,25 x EH FLA
   MFA ≤ 2,25 x RLA + ea. FLA + 2,25 x EH FLA
   (next lower standard fuse rating, min.15A)

2 Specifications

ELECTRICAL DATA

R45GZ7W11

Connection ratio (%)	Indoor unit	Power supply					Compressor		OFM		IFM		EH	
		Hz - Volts	Voltage range	MCA	TOCA	MFA	LRA	RLA	W	FLA	W	FLA	W	FLA
–	FT45JZV1NB	50-400	Max. 440V Min. 360V	4.9	–	15.0	19.0	3.5	45	0.3	40	0.2	–	–
–	FH45BZ7V1	50-400	Max. 440V Min. 360V	5.0	–	15.0	19.0	3.5	45	0.3	57	0.3	–	–
–	FHC45BZ7V1	50-400	Max. 440V Min. 360V	5.0	–	15.0	19.0	3.5	45	0.3	45	0.3	–	–
–	FHB45GZ7V1	50-400	Max. 440V Min. 360V	5.2	–	15.0	19.0	3.5	45	0.3	85	0.5	–	–

3TW01931-3

R60GZ7W1

Connection ratio (%)	Indoor unit	Power supply					Compressor		OFM		IFM		EH	
		Hz - Volts	Voltage range	MCA	TOCA	MFA	LRA	RLA	W	FLA	W	FLA	W	FLA
–	FT60GZV1NB	50-400	Max. 440V Min. 360V	6.8	–	15	26	4.6	49	0.5	40	0.2	–	–
–	FHC60BZ7V1	50-400	Max. 440V Min. 360V	7.7	–	15	26	5.3	49	0.5	45	0.2	–	–

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RP71B7V1/W1/T1

Unit combination		Power supply					Compressor		OFM		IFM	
Indoor unit	Outdoor unit	Hz - Volts	Voltage range	MCA	TOCA	MFA	LRA	RLA	kW	FLA	kW	FLA
FHYCP71/FUYP71	RP71B7V1	50-230	Max. 50Hz-253V Min. 50Hz-197V	16.4	23.4	32	71.3	12.1	0.075	0.7	0.045	0.6
FHP71	RP71B7V1	50-230		16.1	23.1	32	71.3	12.07	0.075	0.7	0.057	0.3
FHYP71	RP71B7V1	50-230		16.4	23.4	32	71.3	12.07	0.075	0.7	0.062	0.6
FAYP71	RP71B7V1	50-230		16.1	23.1	32	71.3	12.07	0.075	0.7	0.046	0.3
FHYKP71	RP71B7V1	50-230		16.3	23.3	32	71.3	12.07	0.075	0.7	0.045	0.5
FHYBP71	RP71B7V1	50-230		16.7	23.7	32	71.3	12.07	0.075	0.7	0.125	0.9

Unit combination		Power supply					Compressor		OFM		IFM	
Indoor unit	Outdoor unit	Hz - Volts	Voltage range	MCA	TOCA	MFA	LRA	RLA	kW	FLA	kW	FLA
FHYCP71/FUYP71	RP71B7W1	50-400/230	Max. 50Hz-440V/253V Min. 50Hz-360/197V	7.1	11.3	16	34.8	4.6	0.075	0.7	0.045	0.6
FHYP71	RP71B7W1	50-400/230		7.1	11.3	16	34.8	4.6	0.075	0.7	0.062	0.6
FAYP71	RP71B7W1	50-400/230		6.8	11.0	16	34.8	4.6	0.075	0.7	0.046	0.3
FHYKP71	RP71B7W1	50-400/230		7.0	11.2	16	34.8	4.6	0.075	0.7	0.045	0.5
FHYBP71	RP71B7W1	50-400/230		7.4	11.6	16	34.8	4.6	0.075	0.7	0.125	0.9

Unit combination		Power supply					Compressor		OFM		IFM	
Indoor unit	Outdoor unit	Hz - Volts	Voltage range	MCA	TOCA	MFA	LRA	RLA	kW	FLA	kW	FLA
FHYCP71/FUYP71	RP71B7T1	50-230	Max. 50Hz-364V Min. 50Hz-198V	11.2	16.3	20	58.3	7.9	0.075	0.7	0.045	0.6
FHYP71	RP71B7T1	50-230		11.2	16.3	20	58.3	7.9	0.075	0.7	0.062	0.6
FAYP71	RP71B7T1	50-230		10.9	16.0	20	58.3	7.9	0.075	0.7	0.046	0.3
FHYKP71	RP71B7T1	50-230		11.1	16.2	20	58.3	7.9	0.075	0.7	0.045	0.5
FHYBP71	RP71B7T1	50-230		11.5	16.6	20	58.3	7.9	0.075	0.7	0.125	0.9

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SYMBOLS

MCA : Min. Circuit Amps
TOCA : Total Over Current Amps
MFA : Max. Fuse Amps (see note 7)
LRA : Locked Rotor Amps
RLA : Rated Load Amps (A)
OFM : Outdoor Fan Motor
IFM : Indoor Fan Motor
FLA : Full Load Amps
kW : Rated motor output
EH : Electric Heater

NOTES

1. RLA is based on the following conditions:
   Indoor temp.: 27°CDB/19.0°CWB
   Outdoor temp. : 35°CDB
2. TOCA means the total value of each OC set
3. Voltage range
   Units are suitable for use on electrical systems where voltage supplied to unit terminals is not below or above listed operation range limits
4. Maximum allowable voltage unbalance between phases is 2%
5. MCA/MFA
   MCA = 1,25 x RLA + ea. FLA + 1,25 x EH FLA
   MFA ≤ 2,25 x RLA + ea. FLA + 2,25 x EH FLA
   (next lower standard fuse rating, min.15A)
6. Select wire size based on the larger value of MCA or TOCA
7. Instead of fuse, use circuit breaker

2 Specifications

2 ELECTRICAL DATA

RP100B7V1/W1/T1

Unit combination		Power supply					Compressor		OFM		IFM	
Indoor unit	Outdoor unit	Hz - Volts	Voltage range	MCA	TOCA	MFA	LRA	RLA	kW	FLA	kW	FLA
FHYCP100/FUYP100	RP100B7V1	50-230	Max. 50Hz-253C Min. 50Hz-197V	24.8	35.7	40	96.9	17.8	0.08 + 0.085	0.84 + 0.7	0.09	1.0
FHP100	RP100B7V1	50-230		24.7	35.4	40	96.9	17.8	0.08 + 0.085	0.84 + 0.7	0.13	0.9
FHYP100	RP100B7V1	50-230		24.5	35.6	40	96.9	17.6	0.08 + 0.085	0.84 + 0.7	0.13	0.7
FHYBP100	RP100B7V1	50-230		24.8	35.7	40	96.9	17.8	0.08 + 0.085	0.84 + 0.7	0.135	1.0
FAYP100	RP100B7V1	50-230		24.2	35.3	40	96.9	17.8	0.08 + 0.085	0.84 + 0.7	0.049	0.4

Unit combination		Power supply					Compressor		OFM		IFM	
Indoor unit	Outdoor unit	Hz - Volts	Voltage range	MCA	TOCA	MFA	LRA	RLA	kW	FLA	kW	FLA
FHYCP100/FUYP100	RP100B7W1	50-400/230	Max. 50Hz-440/253V Min. 50Hz-360/197V	10.7	13.2	16	45.5	6.5	0.08 + 0.085	0.84 + 0.7	0.09	1.0
FHYP100	RP100B7W1	50-400/230		10.4	13.1	16	45.5	6.5	0.08 + 0.085	0.84 + 0.7	0.13	0.7
FHYBP100	RP100B7W1	50-400/230		10.7	13.2	16	45.5	6.5	0.08 + 0.085	0.84 + 0.7	0.135	1.0
FAYP100	RP100B7W1	50-400/230		10.1	12.6	16	45.5	6.5	0.08 + 0.085	0.84 + 0.7	0.049	0.4

Unit combination		Power supply					Compressor		OFM		IFM	
Indoor unit	Outdoor unit	Hz - Volts	Voltage range	MCA	TOCA	MFA	LRA	RLA	kW	FLA	kW	FLA
FHYCP100/FUYP100	RP100B7T1	50-230	Max. 50Hz-264V Min. 50Hz-198V	16.2	24.5	32	75.4	10.9	0.08 + 0.085	0.84 + 0.7	0.09	1.0
FHYP100	RP100B7T1	50-230		15.9	24.4	32	75.4	10.9	0.08 + 0.085	0.84 + 0.7	0.13	0.7
FHYBP100	RP100B7T1	50-230		16.2	24.5	32	75.4	10.9	0.08 + 0.085	0.84 + 0.7	0.135	1.0
FAYP100	RP100B7T1	50-230		15.6	23.9	32	75.4	10.9	0.08 + 0.085	0.84 + 0.7	0.049	0.4

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SYMBOLS

MCA : Min. Circuit Amps
TOCA : Total Over Current Amps
MFA : Max. Fuse Amps (see note 7)
LRA : Locked Rotor Amps
RLA : Rated Load Amps (A)
OFM : Outdoor Fan Motor
IFM : Indoor Fan Motor
FLA : Full Load Amps
kW : Rated motor output

NOTES

1. RLA is based on the following conditions:
   Indoor temp.: 27°CDB/19.0°CWB
   Outdoor temp. : 35°CDB
2. TOCA means the total value of each OC set
3. Voltage range
   Units are suitable for use on electrical systems where voltage supplied to unit terminals is not below or above listed operation range limits
4. Maximum allowable voltage unbalance between phases is 2%
5. MCA/MFA
   MCA = 1.25 x RLA + ea. FLA
   MFA ≤ 2.25 x RLAA + ea. FLA
   (next lower standard fuse rating, min.15A)
6. Select wire size based on the larger value of MCA or TOCA
7. Instead of fuse, use circuit breaker

2 Specifications

ELECTRICAL DATA

RP125B7W1/T1

Unit combination		Power supply					Compressor		OFM		IFM	
Indoor unit	Outdoor unit	Hz - Volts	Voltage range	MCA	TOCA	MFA	LRA	RLA	kW	FLA	kW	FLA
FHYCP125/FUYP125	RP125B7W1	50-400/230	Max. 50Hz-440V/253V Min. 50Hz-360V/197V	12.7	16.4	20	57.3	8.1	0.085 + 0.08	0.84 + 0.7	0.09	1.0
FHYP125	RP125B7W1	50-400/230		12.6	16.3	20	57.3	8.1	0.085 + 0.08	0.84 + 0.7	0.13	0.9
FHYBP125	RP125B7W1	50-400/230		13.1	16.8	20	57.3	8.1	0.085 + 0.08	0.84 + 0.7	0.225	1.4
FDYP125	RP125B7W1	50-400/230		15.9	19.6	20	57.3	8.1	0.085 + 0.08	0.84 + 0.7	0.5	4.2

Unit combination		Power supply					Compressor		OFM		IFM	
Indoor unit	Outdoor unit	Hz - Volts	Voltage range	MCA	TOCA	MFA	LRA	RLA	kW	FLA	kW	FLA
FHYCP125/FUYP125	RP125B7T1	50-230	Max. 50Hz-253V Min. 50Hz-197V	19.7	26.5	32	98.8	13.7	0.085 + 0.08	0.84 + 0.7	0.09	1.0
FHYP125	RP125B7T1	50-230		19.6	26.4	32	98.8	13.7	0.085 + 0.08	0.84 + 0.7	0.13	0.9
FHYBP125	RP125B7T1	50-230		20.1	26.9	32	98.8	13.7	0.085 + 0.08	0.84 + 0.7	0.225	1.4
FDYP125	RP125B7T1	50-230		22.9	29.7	32	98.8	13.7	0.085 + 0.08	0.84 + 0.7	0.5	4.2

3TW23269-2

RP200B7W1

Unit combination		Power supply					Compressor		OFM		IFM	
Indoor unit	Outdoor unit	Hz - Volts	Voltage range	MCA	MFA		LRA	RLA	kW	FLA	kW	FLA
FDYP200B7V1	RP200B7W1	50-400	Max. 50Hz-440V Min. 50Hz-360V	19.0	25	16	98	12.9	0.19 + 0.23	1.28 + 1.43	650	6.8
FDYP250B7V1	RP250B7W1	50-400	Max. 50Hz-440V Min. 50Hz-360V	22.7	32	16	108	16.0	0.14 + 0.23	1.1 + 1.43	1000	7.6

3TW23611-2

SYMBOLS

MCA : Min. Circuit Amps
TOCA : Total Over Current Amps
MFA : Max. Fuse Amps (see note 7)
LRA : Locked Rotor Amps
RLA : Rated Load Amps (A)
OFM : Outdoor Fan Motor
IFM : Indoor Fan Motor
FLA : Full Load Amps
kW : Rated motor output

NOTES

1. RLA is based on the following conditions:
   Indoor temp.: 27°CDB/19.0°CWB
   Outdoor temp. : 35°CDB
2. TOCA means the total value of each OC set
3. Voltage range
   Units are suitable for use on electrical systems where voltage supplied to unit terminals is not below or above listed operation range limits
4. Maximum allowable voltage unbalance between phases is 2%
5. MCA/MFA
   MCA = 1.25 x RLA + ea. FLA
   MFA ≤ 2.25 x RLAA + ea. FLA
   (next lower standard fuse rating, min.15A)
6. Select wire size based on the larger value of MCA or TOCA
7. Instead of fuse, use circuit breaker

3 Capacity tables

R25GZ7V11 + FHEB25GZ7V1
R25GZ7V11 + FT25JZV1NB
R25GZ7V11 + FL25GZV1NB

Cooling capacity **230V [50Hz]**

Model	FT..JZ	FHEB	FL..GZ
AFR	6.0	6.5	7.5
BF	0.19	0.43	0.21

Indoor		Outdoor temperature (°C)																	
EWB	EDB	20			25			32			35			40			46		
(°C)	(°C)	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
12.0	18.0	2.29	1.60	0.65	2.15	1.54	0.70	1.96	1.44	0.77	1.88	1.40	0.81	1.74	1.33	0.86	1.57	1.24	0.92
14.0	20.0	2.44	1.65	0.66	2.30	1.58	0.71	2.11	1.48	0.78	2.03	1.44	0.82	1.89	1.37	0.87	1.72	1.29	0.93
16.0	22.0	2.59	1.70	0.67	2.45	1.63	0.72	2.26	1.53	0.79	2.18	1.49	0.83	2.04	1.42	0.88	1.87	1.34	0.94
18.0	25.0	2.74	1.74	0.68	2.60	1.68	0.73	2.41	1.58	0.80	2.33	1.54	0.84	2.19	1.47	0.89	2.02	1.38	0.95
19.0	27.0	2.82	1.77	0.69	2.68	1.70	0.73	2.48	1.60	0.81	2.40	1.56	0.84	2.26	1.49	0.89	2.10	1.41	0.96
22.0	30.0	3.04	1.84	0.70	2.90	1.77	0.75	2.71	1.67	0.82	2.63	1.63	0.86	2.49	1.56	0.91	2.32	1.48	0.97
24.0	32.0	3.19	1.88	0.70	3.05	1.82	0.76	2.86	1.72	0.83	2.78	1.68	0.87	2.64	1.61	0.92	2.47	1.52	0.98

3TW00872-1E

Correction	TC	SHC	PI
FHEB	0	0	+0.04
FL..GZ	+0.05	+0.03	+0.02

R35GZ7V11 + FT35JZV1NB
+ FL35GZV1NB

Cooling capacity **230V [50Hz]**

Model	FT..JZ	FL..GZ
AFR	6.9	8.0
BF	0.20	0.31

Indoor		Outdoor temperature (°C)																	
EWB	EDB	20			25			32			35			40			46		
(°C)	(°C)	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
12.0	18.0	3.35	2.33	0.86	3.20	2.26	0.96	2.99	2.17	1.09	2.90	2.12	1.15	2.75	2.05	1.24	2.57	1.97	1.36
14.0	20.0	3.51	2.37	0.89	3.36	2.30	0.99	3.15	2.20	1.12	3.06	2.16	1.18	2.91	2.09	1.27	2.73	2.00	1.38
16.0	22.0	3.67	2.40	0.92	3.52	2.33	1.01	3.31	2.23	1.14	3.22	2.19	1.20	3.07	2.12	1.30	2.89	2.04	1.41
18.0	25.0	3.82	2.44	0.94	3.67	2.37	1.04	3.46	2.27	1.17	3.37	2.23	1.23	3.22	2.16	1.32	3.04	2.07	1.44
19.0	27.0	3.90	2.45	0.96	3.75	2.38	1.05	3.54	2.28	1.18	3.45	2.24	1.24	3.30	2.17	1.34	3.12	2.09	1.45
22.0	30.0	4.13	2.50	0.99	3.98	2.43	1.09	3.77	2.34	1.22	3.68	2.29	1.28	3.53	2.22	1.37	3.35	2.14	1.49
24.0	32.0	4.29	2.54	1.02	4.14	2.47	1.12	3.93	2.37	1.25	3.84	2.33	1.31	3.69	2.26	1.40	3.51	2.17	1.51

3TW01912-1A

SYMBOLS

AFR:	Air flow rate	(m3/min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°CWB)
EDB:	Entering dry bulb temp.	(°CDB)
TC:	Total cooling capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input (comp.+indoor+outdoor fan motor)	(kW)

Caution:
TC and SHC are shown by kW

NOTES

1. Ratings shown are net capacities which include a deduction for indoor fan motor heat
2. ▭ Shows nominal capacities
3. SHC is based on each EWB and EDB
   SHC* = SHC correction for other dry bulb
   SHC* = 0.34 x 60 x AFR (m^3/min) x (DB-EDB)/1000.
   Add SHC* to SHC if SHC > TC, then TC equal SHC
4. Direct interpolation is permissible Do not extrapolate.
5. Capacities are based on the following conditions:
   Corresponding refrigerant piping length: 7.5 m
   Level difference: 0 m

Correction	TC	SHC	PI
FL..GZ	-0.05	-0.03	+0.05

3 Capacity tables

R35GZ7V11 + FH35BZV1
+ FHK35BZV1

Cooling capacity **230V [50Hz]**

Model	FH	FHK
AFR	13	12
BF	0.20	0.16

Indoor		Outdoor temperature (°C)																	
EWB	EDB	20			25			32			35			40			46		
(°C)	(°C)	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
12.0	18.0	3.65	2.53	0.94	3.50	2.46	1.04	3.29	2.36	1.17	3.20	2.32	1.23	3.05	2.25	1.32	2.87	2.16	1.44
14.0	20.0	3.81	2.56	0.97	3.66	2.49	1.07	3.45	2.39	1.20	3.36	2.35	1.26	3.21	2.28	1.35	3.03	2.20	1.46
16.0	22.0	3.97	2.60	1.00	3.82	2.53	1.09	3.61	2.43	1.22	3.52	2.39	1.28	3.37	2.32	1.38	3.19	2.23	1.49
18.0	25.0	4.12	2.63	1.02	3.97	2.56	1.12	3.76	2.46	1.25	3.67	2.42	1.31	3.52	2.35	1.40	3.34	2.27	1.52
19.0	27.0	4.20	2.65	1.04	4.05	2.58	1.13	3.84	2.48	1.26	3.75	2.44	1.32	3.60	2.37	1.42	3.42	2.28	1.53
22.0	30.0	4.43	2.70	1.07	4.28	2.63	1.17	4.07	2.53	1.30	3.98	2.49	1.36	3.83	2.42	1.45	3.65	2.33	1.57
24.0	32.0	4.59	2.73	1.10	4.44	2.66	1.20	4.23	2.56	1.33	4.14	2.52	1.39	3.99	2.45	1.48	3.81	2.37	1.59

3TW01912-2A

Correction	TC	SHC	PI
FH..B	0.00	+0.05	+0.18
FHK..B	0.00	+0.05	-0.03

R35GZ7V11 + FHC35BZ7V1

Cooling capacity **230V [50Hz]**

Model	FHC
AFR	14
BF	0.16

Indoor		Outdoor temperature (°C)																	
EWB	EDB	20			25			32			35			40			46		
(°C)	(°C)	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
12.0	18.0	3.70	2.56	0.98	3.55	2.49	1.08	3.34	2.39	1.21	3.25	2.35	1.27	3.10	2.28	1.36	2.92	2.20	1.48
14.0	20.0	3.86	2.60	1.01	3.71	2.53	1.11	3.50	2.43	1.24	3.41	2.39	1.30	3.26	2.32	1.39	3.08	2.23	1.50
16.0	22.0	4.02	2.63	1.04	3.87	2.56	1.13	3.66	2.46	1.26	3.57	2.42	1.32	3.42	2.35	1.42	3.24	2.27	1.53
18.0	25.0	4.17	2.66	1.06	4.02	2.59	1.16	3.81	2.50	1.29	3.72	2.45	1.35	3.57	2.38	1.44	3.39	2.30	1.56
19.0	27.0	4.25	2.68	1.08	4.10	2.61	1.17	3.89	2.51	1.30	3.80	2.47	1.36	3.65	2.40	1.46	3.47	2.32	1.57
22.0	30.0	4.48	2.73	1.11	4.33	2.66	1.21	4.12	2.56	1.34	4.03	2.52	1.40	3.88	2.45	1.49	3.70	2.37	1.61
24.0	32.0	4.64	2.77	1.14	4.49	2.70	1.24	4.28	2.60	1.37	4.19	2.56	1.43	4.04	2.49	1.52	3.86	2.40	1.63

3TW01912-2A

SYMBOLS

AFR:	Air flow rate	(m^3/min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°CWB)
EDB:	Entering dry bulb temp.	(°CDB)
TC:	Total cooling capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input (comp.+indoor+outdoor fan motor)	(kW)

Caution:
TC and SHC are shown by kW

NOTES

1. Ratings shown are net capacities which include a deduction for indoor fan motor heat
2. ▭ Shows nominal capacities
3. SHC is based on each EWB and EDB
   SHC* = SHC correction for other dry bulb
   SHC* = 0.34 x 60 x AFR (m3/min) x (DB-EDB)/1000.
   Add SHC* to SHC if SHC > TC, then TC equal SHC
4. Direct interpolation is permissible Do not extrapolate.
5. Capacities are based on the following conditions:
   Corresponding refrigerant piping length: 7.5 m
   Level difference: 0 m

3 Capacity tables

R35GZ7V11 + FHB35GZ7V1

Cooling capacity **230V [50Hz]**

Model	FHB..GZ
AFR	11.5
BF	0.15

Indoor		Outdoor temperature (°C)																	
EWB	EDB	20			25			32			35			40			46		
(°C)	(°C)	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
12.0	18.0	3.60	2.50	1.02	3.45	2.43	1.12	3.24	2.33	1.25	3.15	2.29	1.31	3.00	2.22	1.40	2.82	2.13	1.52
14.0	20.0	3.76	2.53	1.05	3.61	2.46	1.15	3.40	2.36	1.28	3.31	2.32	1.34	3.16	2.25	1.43	2.98	2.17	1.54
16.0	22.0	3.92	2.56	1.08	3.77	2.49	1.17	3.56	2.40	1.30	3.47	2.35	1.36	3.32	2.28	1.46	3.14	2.20	1.57
18.0	25.0	4.07	2.60	1.10	3.92	2.53	1.20	3.71	2.43	1.33	3.62	2.39	1.39	3.47	2.32	1.48	3.29	2.23	1.60
19.0	27.0	4.15	2.62	1.12	4.00	2.55	1.21	3.79	2.45	1.34	3.70	2.41	1.40	3.55	2.34	1.50	3.37	2.25	1.61
22.0	30.0	4.38	2.67	1.15	4.23	2.60	1.25	4.02	2.50	1.38	3.93	2.46	1.44	3.78	2.39	1.53	3.60	2.30	1.65
24.0	32.0	4.54	2.70	1.18	4.39	2.63	1.28	4.18	2.53	1.41	4.09	2.49	1.47	3.94	2.42	1.56	3.76	2.34	1.67

3TW01912-2A

R45GZ7V11 + FT45GAZV1NB
+ FL45GZV1NB

Cooling capacity **230V [50Hz]**

Model	FT..G	FL..G
AFR	11.8	10.8
BF	0.18	0.18

Indoor		Outdoor temperature (°C)																	
EWB	EDB	20			25			32			35			40			46		
(°C)	(°C)	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
12.0	18.0	4.71	3.33	1.47	4.47	3.24	1.63	4.14	3.12	1.86	4.58	3.15	2.07	3.75	2.98	2.12	3.46	2.87	2.32
14.0	20.0	5.03	3.40	1.51	4.79	3.31	1.67	4.45	3.19	1.90	4.30	3.14	2.00	4.07	3.05	2.16	3.78	2.94	2.36
16.0	22.0	5.35	3.47	1.55	5.11	3.38	1.71	4.77	3.26	1.94	4.62	3.21	2.04	4.38	3.12	2.20	4.10	3.01	2.40
18.0	25.0	5.67	3.54	1.59	5.43	3.45	1.75	5.09	3.33	1.98	4.94	3.28	2.08	4.70	3.19	2.24	4.41	3.08	2.44
19.0	27.0	5.83	3.58	1.61	5.58	3.49	1.77	5.25	3.36	2.00	5.10	3.31	2.10	4.86	3.22	2.26	4.57	3.12	2.46
22.0	30.0	6.29	3.68	1.67	6.05	3.59	1.83	5.72	3.47	2.06	5.58	3.42	2.16	5.34	3.33	2.32	5.04	3.22	2.52
24.0	32.0	6.61	3.75	1.71	6.37	3.66	1.87	6.03	3.54	2.10	5.90	3.49	2.20	5.65	3.40	2.36	5.36	3.29	2.56

Correction	TC	SHC	PI
FL	-0.20	-0.11	+0.00

R45GZ7W11 + FT45GAZV1NB
+ FL45GZV1NB

Cooling capacity **400V [50Hz]**

Model	FT..G	FL..G
AFR	11.8	10.8
BF	0.18	0.18

Indoor		Outdoor temperature (°C)																	
EWB	EDB	20			25			32			35			40			46		
(°C)	(°C)	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
12.0	18.0	4.71	3.33	1.37	4.47	3.24	1.53	4.14	3.12	1.76	4.58	3.15	1.97	3.75	2.98	2.02	3.46	2.87	2.22
14.0	20.0	5.03	3.40	1.41	4.79	3.31	1.57	4.45	3.19	1.80	4.30	3.14	1.90	4.07	3.05	2.06	3.78	2.94	2.26
16.0	22.0	5.35	3.47	1.45	5.11	3.38	1.61	4.77	3.26	1.84	4.62	3.21	1.94	4.38	3.12	2.10	4.10	3.01	2.30
18.0	25.0	5.67	3.54	1.49	5.43	3.45	1.65	5.09	3.33	1.88	4.94	3.28	1.98	4.70	3.19	2.14	4.41	3.08	2.34
19.0	27.0	5.83	3.58	1.51	5.58	3.49	1.67	5.25	3.36	1.90	5.10	3.31	2.00	4.86	3.22	2.16	4.57	3.12	2.36
22.0	30.0	6.29	3.68	1.57	6.05	3.59	1.73	5.72	3.47	1.96	5.58	3.42	2.06	5.34	3.33	2.22	5.04	3.22	2.42
24.0	32.0	6.61	3.75	1.61	6.37	3.66	1.77	6.03	3.54	2.00	5.90	3.49	2.10	5.65	3.40	2.26	5.36	3.29	2.46

3TW00912-1D

Correction	TC	SHC	PI
FL	-0.20	-0.11	+0.03

SYMBOLS

AFR:	Air flow rate	(m^3/min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°CWB)
EDB:	Entering dry bulb temp.	(°CDB)
TC:	Total cooling capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input (comp.+indoor+outdoor fan motor)	(kW)

Caution:
TC and SHC are shown by kW

NOTES

1. Ratings shown are net capacities which include a deduction for indoor fan motor heat
2. ▭ Shows nominal capacities
3. SHC is based on each EWB and EDB
   SHC* = SHC correction for other dry bulb
   SHC* = 0.34 x 60 x AFR (m3/min) x (DB-EDB)/1000.
   Add SHC* to SHC if SHC > TC, then TC equal SHC
4. Direct interpolation is permissible Do not extrapolate.
5. Capacities are based on the following conditions:
   Corresponding refrigerant piping length: 7.5 m
   Level difference: 0 m
6. Add the following correction value to power input (kW) of each unit

3 Capacity tables

FHC45BZ7V1 + R45GZ7V11

Cooling capacity **230V [50Hz]**

Model	FHC..B
AFR	15
BF	0.16

Indoor		Outdoor temperature (°C)																	
EWB	EDB	20			25			32			35			40			46		
(°C)	(°C)	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
12.0	18.0	4.80	3.40	1.54	4.56	3.30	1.71	4.22	3.18	1.95	4.67	3.21	2.17	3.82	3.04	2.22	3.53	2.93	2.43
14.0	20.0	5.13	3.47	1.58	4.89	3.38	1.75	4.54	3.25	1.99	4.39	3.20	2.10	4.15	3.11	2.26	3.85	3.00	2.47
16.0	22.0	5.45	3.54	1.63	5.21	3.45	1.79	4.87	3.32	2.03	4.71	3.27	2.14	4.47	3.18	2.30	4.18	3.07	2.51
18.0	25.0	5.78	3.61	1.67	5.53	3.52	1.84	5.19	3.40	2.07	5.04	3.35	2.18	4.79	3.25	2.35	4.50	3.14	2.55
19.0	27.0	5.94	3.65	1.69	5.69	3.56	1.86	5.35	3.43	2.10	5.20	3.38	2.20	4.96	3.28	2.37	4.66	3.18	2.58
22.0	30.0	6.42	3.75	1.75	6.17	3.66	1.92	5.83	3.54	2.16	5.69	3.49	2.26	5.44	3.40	2.43	5.14	3.28	2.64
24.0	32.0	6.74	3.82	1.79	6.50	3.73	1.96	6.15	3.61	2.20	6.01	3.56	2.30	5.76	3.47	2.47	5.46	3.36	2.68

R45GZ7V11 + FH45BZV1
+ FHK45BZV1

Cooling capacity **230V [50Hz]**

Model	FH..B	FHK..B
AFR	13	12
BF	0.09	0.18

Indoor		Outdoor temperature (°C)																	
EWB	EDB	20			25			32			35			40			46		
(°C)	(°C)	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
12.0	18.0	4.78	3.38	1.51	4.54	3.28	1.68	4.20	3.16	1.91	4.04	3.10	2.02	3.81	3.02	2.18	3.52	2.91	2.39
14.0	20.0	5.11	3.45	1.55	4.87	3.36	1.72	4.52	3.23	1.95	4.37	3.18	2.06	4.13	3.09	2.22	3.84	2.98	2.43
16.0	22.0	5.43	3.52	1.60	5.19	3.43	1.76	4.85	3.30	1.99	4.69	3.25	2.10	4.45	3.16	2.26	4.16	3.05	2.46
18.0	25.0	5.76	3.59	1.64	5.51	3.50	1.81	5.17	3.38	2.03	5.02	3.33	2.14	4.77	3.23	2.31	4.48	3.12	2.50
19.0	27.0	5.92	3.63	1.66	5.67	3.54	1.83	5.33	3.41	2.06	5.18	3.36	2.16	4.94	3.26	2.33	4.64	3.16	2.53
22.0	30.0	6.40	3.73	1.72	6.15	3.64	1.89	5.81	3.52	2.12	5.67	3.47	2.22	5.42	3.38	2.39	5.12	3.26	2.59
24.0	32.0	6.71	3.80	1.76	6.48	3.71	1.92	6.13	3.59	2.16	5.99	3.54	2.26	5.74	3.45	2.43	5.44	3.34	2.63

Correction	TC	SHC	PI
FH..B	+0.02	+0.04	-0.01
FHK..B	0.0	+0.10	0.0

R45GZ7V11 + FHB45GZ7V1

Cooling capacity **230V [50Hz]**

Model	FHB
AFR	11.5
BF	0.15

Indoor		Outdoor temperature (°C)																	
EWB	EDB	20			25			32			35			40			46		
(°C)	(°C)	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
12.0	18.0	4.52	3.20	1.56	4.30	3.10	1.73	3.98	2.99	1.98	3.83	2.94	2.09	3.60	2.86	2.25	3.33	2.76	2.46
14.0	20.0	4.83	3.26	1.60	4.61	3.18	1.77	4.28	3.06	2.02	4.14	3.01	2.13	3.91	2.93	2.29	3.63	2.82	2.50
16.0	22.0	5.14	3.33	1.65	4.91	3.25	1.81	4.59	3.12	2.06	4.44	3.08	2.17	4.21	2.99	2.33	3.94	2.89	2.54
18.0	25.0	5.45	3.40	1.69	5.21	3.31	1.87	4.89	3.20	2.10	4.75	3.15	2.21	4.51	3.06	2.38	4.24	2.95	2.58
19.0	27.0	5.60	3.43	1.71	5.36	3.35	1.89	5.04	3.23	2.13	4.90	3.18	2.23	4.67	3.09	2.40	4.39	2.99	2.62
22.0	30.0	6.05	3.53	1.77	5.81	3.44	1.95	5.49	3.33	2.19	5.36	3.28	2.29	5.13	3.20	2.46	4.84	3.09	2.68
24.0	32.0	6.35	3.59	1.81	6.13	3.51	1.99	5.80	3.40	2.23	5.66	3.35	2.33	5.43	3.26	2.50	5.15	3.16	2.72

3TW00904-2B

SYMBOLS

AFR:	Air flow rate	(m^3/min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°CWB)
EDB:	Entering dry bulb temp.	(°CDB)
TC:	Total cooling capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input (comp.+indoor+outdoor fan motor)	(kW)

Caution:
TC and SHC are shown by kW

NOTES

1. Ratings shown are net capacities which include a deduction for indoor fan motor heat
2. ▭ Shows nominal capacities
3. SHC is based on each EWB and EDB
   SHC* = SHC correction for other dry bulb
   SHC* = 0.34 x 60 x AFR (m^3/min) x (DB-EDB)/1000.
   Add SHC* to SHC if SHC > TC, then TC equal SHC
4. Direct interpolation is permissible Do not extrapolate.
5. Capacities are based on the following conditions:
   Corresponding refrigerant piping length: 7.5 m
   Level difference: 0 m

3 Capacity tables

R45GZ7W11 + FHC45BZ7V1

Cooling capacity **400V [50Hz]**

Model	FHC..B
AFR	15
BF	0.16

Indoor		Outdoor temperature (°C)																	
EWB	EDB	20			25			32			35			40			46		
(°C)	(°C)	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
12.0	18.0	4.80	3.40	1.47	4.56	3.30	1.63	4.22	3.18	1.86	4.06	3.12	1.97	3.82	3.04	2.12	3.53	2.93	2.32
14.0	20.0	5.13	3.47	1.51	4.89	3.38	1.67	4.54	3.25	1.90	4.39	3.20	2.00	4.15	3.11	2.16	3.85	3.00	2.36
16.0	22.0	5.45	3.54	1.56	5.21	3.45	1.71	4.87	3.32	1.94	4.71	3.27	2.04	4.47	3.18	2.20	4.18	3.07	2.40
18.0	25.0	5.78	3.61	1.59	5.53	3.52	1.76	5.19	3.40	1.98	5.04	3.35	2.08	4.79	3.25	2.24	4.50	3.14	2.43
19.0	27.0	5.94	3.65	1.61	5.69	3.56	1.78	5.35	3.43	2.00	5.20	3.38	2.10	4.96	3.28	2.26	4.66	3.18	2.46
22.0	30.0	6.42	3.75	1.67	6.17	3.66	1.83	5.83	3.54	2.06	5.69	3.49	2.16	5.44	3.40	2.32	5.14	3.28	2.52
24.0	32.0	6.74	3.82	1.71	6.50	3.73	1.87	6.15	3.61	2.10	6.01	3.56	2.20	5.76	3.47	2.36	5.46	3.36	2.56

R45GZ7W11 + FH45BZV1
+ FHK45BZV1

Cooling capacity **400V [50Hz]**

Model	FH..B	FHK..B
AFR	13	12
BF	0.09	0.18

Indoor		Outdoor temperature (°C)																	
EWB	EDB	20			25			32			35			40			46		
(°C)	(°C)	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
12.0	18.0	4.78	3.38	1.44	4.54	3.28	1.60	4.20	3.16	1.83	4.04	3.10	1.93	3.81	3.02	2.08	3.52	2.91	2.28
14.0	20.0	5.11	3.45	1.48	4.87	3.36	1.64	4.52	3.23	1.86	4.37	3.18	1.97	4.13	3.09	2.12	3.84	2.98	2.31
16.0	22.0	5.43	3.52	1.53	5.19	3.43	1.68	4.85	3.30	1.90	4.69	3.25	2.00	4.45	3.16	2.15	4.16	3.05	2.35
18.0	25.0	5.76	3.59	1.56	5.51	3.50	1.72	5.17	3.38	1.94	5.02	3.33	2.04	4.77	3.23	2.20	4.48	3.12	2.39
19.0	27.0	5.92	3.63	1.58	5.67	3.54	1.74	5.33	3.41	1.97	5.18	3.36	2.06	4.94	3.26	2.22	4.64	3.16	2.42
22.0	30.0	6.40	3.73	1.64	6.15	3.64	1.80	5.81	3.52	2.02	5.67	3.47	2.12	5.42	3.38	2.28	5.12	3.26	2.47
24.0	32.0	6.71	3.80	1.68	6.48	3.71	1.84	6.13	3.59	2.06	5.99	3.54	2.15	5.74	3.45	2.31	5.44	3.34	2.51

Correction	TC	SHC	PI
FH..B	+0.02	+0.04	-0.01
FHK..B	0.0	+0.10	0.0

R45GZ7W11 + FHB45GZ7V1

Cooling capacity **400V [50Hz]**

Model	FHB
AFR	11.5
BF	0.15

Indoor		Outdoor temperature (°C)																	
EWB	EDB	20			25			32			35			40			46		
(°C)	(°C)	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
12.0	18.0	4.52	3.20	1.49	4.30	3.10	1.66	3.98	2.99	1.89	3.83	2.94	1.99	3.60	2.86	2.15	3.33	2.76	2.35
14.0	20.0	4.83	3.26	1.53	4.61	3.18	1.69	4.28	3.06	1.93	4.14	3.01	2.03	3.91	2.93	2.19	3.63	2.82	2.39
16.0	22.0	5.14	3.33	1.58	4.91	3.25	1.73	4.59	3.12	1.97	4.44	3.08	2.07	4.21	2.99	2.23	3.94	2.89	2.43
18.0	25.0	5.45	3.40	1.62	5.21	3.31	1.78	4.89	3.20	2.00	4.75	3.15	2.11	4.51	3.06	2.28	4.24	2.95	2.47
19.0	27.0	5.60	3.43	1.64	5.36	3.35	1.80	5.04	3.23	2.03	4.90	3.18	2.13	4.67	3.09	2.29	4.392	.99	2.50
22.0	30.0	6.05	3.53	1.69	5.81	3.44	1.88	5.49	3.33	2.09	5.36	3.28	2.19	5.13	3.20	2.35	4.84	3.09	2.56
24.0	32.0	6.35	3.59	1.73	6.13	3.51	1.90	5.80	3.40	2.13	5.66	3.35	2.23	5.43	3.26	2.39	5.15	3.16	2.59

3TW00904-2B

SYMBOLS

AFR:	Air flow rate	(m^3/min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°CWB)
EDB:	Entering dry bulb temp.	(°CDB)
TC:	Total cooling capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input (comp.+indoor+outdoor fan motor)	(kW)

Caution:
TC and SHC are shown by kW

NOTES

1. Ratings shown are net capacities which include a deduction for indoor fan motor heat
2. ▭ Shows nominal capacities
3. SHC is based on each EWB and EDB
   SHC* = SHC correction for other dry bulb
   SHC* = 0.34 x 60 x AFR (m3/min) x (DB-EDB)/1000.
   Add SHC* to SHC if SHC > TC, then TC equal SHC
4. Direct interpolation is permissible Do not extrapolate.
5. Capacities are based on the following conditions:
   Corresponding refrigerant piping length: 7.5 m
   Level difference: 0 m

3 Capacity tables

R60GZ7W1 + FT60GZV1NB

Cooling capacity **400V [50Hz]**

Model	FT
AFR	13.3
BF	0.15

Indoor		Outdoor temperature (°C)																	
EWB	EDB	20			25			32			35			40			46		
(°C)	(°C)	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
12.0	18.0	6.09	4.46	1.74	5.82	4.39	1.96	5.44	4.28	2.26	5.28	4.24	2.39	5.01	4.16	2.60	4.69	4.07	2.86
14.0	20.0	6.44	4.52	1.79	6.17	4.45	2.01	5.79	4.34	2.31	5.63	4.30	2.44	5.36	4.22	2.66	5.04	4.13	2.92
16.0	22.0	6.79	4.58	1.85	6.52	4.51	2.06	6.14	4.40	2.37	5.98	4.36	2.50	5.71	4.28	2.71	5.38	4.19	2.97
18.0	25.0	7.14	4.64	1.90	6.87	4.57	2.12	6.49	4.46	2.42	6.33	4.42	2.55	6.06	4.34	2.77	5.73	4.25	3.03
19.0	27.0	7.31	4.67	1.93	7.04	4.60	2.15	6.66	4.49	2.45	6.50	4.45	2.58	6.23	4.37	2.80	5.91	4.28	3.06
22.0	30.0	7.83	4.76	2.01	7.56	4.69	2.23	7.18	4.58	2.53	7.02	4.54	2.66	6.75	4.46	2.88	6.43	4.37	3.14
24.0	32.0	8.18	4.82	2.07	7.91	4.75	2.28	7.53	4.64	2.59	7.37	4.60	2.72	7.10	4.52	2.93	6.78	4.43	3.19

3TW02102-1

R60GZ7W1 + FHC60
+ FH60
+ FHK60

Cooling capacity **400V [50Hz]**

Model	FHC	FH	FHK
AFR	19.0	18.0	17.0
BF	0.10	0.10	0.10

Indoor		Outdoor temperature (°C)																	
EWB	EDB	20			25			32			35			40			46		
(°C)	(°C)	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
12.0	18.0	5.98	4.05	1.89	5.78	3.97	2.07	5.49	3.87	2.35	5.36	3.82	2.47	5.13	3.76	2.70	4.84	3.66	3.01
14.0	20.0	6.32	4.11	1.94	6.12	4.03	2.11	5.81	3.93	2.39	5.67	3.88	2.53	5.43	3.81	2.77	5.12	3.73	3.08
16.0	22.0	6.67	4.18	1.97	6.46	4.09	2.16	6.14	3.99	2.45	5.99	3.94	2.58	5.74	3.87	2.83	5.41	3.79	3.15
18.0	25.0	7.04	4.24	2.01	6.82	4.16	2.21	6.48	4.05	2.51	6.33	4.00	2.64	6.06	3.93	2.89	5.71	3.84	3.21
19.0	27.0	7.23	4.26	2.03	7.01	4.19	2.23	6.66	4.08	2.53	6.50	4.03	2.67	6.22	3.96	2.93	5.86	3.87	3.24
22.0	30.0	7.82	4.35	2.10	7.58	4.27	2.31	7.21	4.18	2.62	7.03	4.13	2.77	6.73	4.05	3.02	6.34	3.96	3.34
24.0	32.0	8.22	4.41	2.15	7.97	4.33	2.36	7.59	4.24	2.68	7.40	4.19	2.83	7.08	4.11	3.08	6.67	4.02	3.41

3TW02102-2A

SYMBOLS

AFR:	Air flow rate	(m^3/min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°CWB)
EDB:	Entering dry bulb temp.	(°CDB)
ED*:	Dry bulb temperature	(°CDB)
TC:	Total cooling capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input (comp.+indoor+outdoor fan motor)	(kW)

Caution:
TC and SHC are shown by kW

NOTES

1. Ratings shown are net capacities which include a deduction for indoor fan motor heat
2. ▭ Shows nominal capacities
3. SHC is based on each EWB and EDB
   SHC* = SHC correction for other dry bulb
   SHC* = 0.34 x 60 x AFR (m3/min) x (DB-EDB)/1000.
   Add SHC* to SHC if SHC > TC, then TC equal SHC
4. Direct interpolation is permissible Do not extrapolate.
5. Capacities are based on the following conditions:
   Corresponding refrigerant piping length: 7.5 m
   Level difference: 0 m

3 Capacity tables

RP(71~100)B7V1 + FAYP(71~100)BV1
RP(71~100)B7W1

Cooling capacity

Outdoor	Indoor		Outdoor temperature (°C)																	
	EWB (°C)	EDB (°C)	20			25			32			35			40			46		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
71	12.0	18.0	6.2	4.9	1.86	6.1	4.8	2.12	5.7	4.7	2.30	5.5	4.6	2.47	5.3	4.5	2.74	4.9	4.2	3.00
	14.0	20.0	6.6	4.9	1.94	6.5	4.8	2.21	6.0	4.7	2.39	5.9	4.6	2.47	5.5	4.5	2.74	5.3	4.2	3.00
	16.0	22.0	7.2	5.0	1.94	7.0	4.9	2.21	6.5	4.8	2.39	6.3	4.7	2.56	6.0	4.6	2.83	5.5	4.3	3.09
	18.0	25.0	7.7	5.2	2.03	7.5	5.0	2.21	7.2	4.9	2.47	6.8	4.8	2.65	6.4	4.6	2.83	6.0	4.5	3.18
	19.0	27.0	8.0	5.3	2.03	7.7	5.2	2.21	7.3	5.0	2.47	7.1	4.8	2.65	6.6	4.7	2.92	6.2	4.6	3.18
	19.5	27.0	8.0	5.3	2.03	7.9	5.2	2.21	7.4	5.0	2.47	7.2	4.8	2.65	6.7	4.7	2.92	6.3	4.6	3.18
	22.0	30.0	8.7	5.4	2.12	8.5	5.3	2.30	8.0	5.2	2.56	7.9	4.9	2.74	7.4	4.8	2.92	6.8	4.6	3.27
	24.0	32.0	9.4	5.4	2.12	9.1	5.3	2.30	8.6	5.2	2.65	8.4	5.0	2.74	8.0	4.8	3.00	7.4	4.6	3.36
100	12.0	18.0	8.3	7.2	2.49	8.3	7.1	2.77	8.1	6.9	3.14	7.8	6.8	3.33	7.5	6.4	3.69	6.9	6.2	4.06
	14.0	20.0	8.9	7.2	2.59	8.8	7.1	2.77	8.6	6.9	3.14	8.3	6.8	3.33	7.8	6.4	3.69	7.5	6.2	4.06
	16.0	22.0	10.1	7.3	2.59	9.8	7.2	2.86	9.1	7.0	3.23	8.9	6.9	3.42	8.4	6.5	3.79	7.8	6.3	4.16
	18.0	25.0	10.8	7.6	2.68	10.5	7.5	2.86	9.8	7.1	3.23	9.6	7.0	3.42	9.0	6.8	3.79	8.3	6.4	4.25
	19.0	27.0	11.1	7.7	2.68	10.8	7.6	2.96	10.1	7.2	3.33	10.0	7.1	3.51	9.4	6.9	3.88	8.6	6.5	4.34
	19.5	27.0	11.2	7.7	2.68	11.0	7.6	2.96	10.3	7.2	3.33	10.1	7.1	3.51	9.5	6.9	3.88	8.8	6.5	4.34
	22.0	30.0	12.2	7.8	2.77	11.8	7.7	2.96	11.2	7.3	3.42	11.0	7.2	3.60	10.4	7.1	3.97	9.6	6.8	4.43
	24.0	32.0	13.0	7.9	2.86	12.7	7.8	3.05	11.9	7.5	3.51	11.7	7.3	3.69	11.1	7.2	4.06	10.3	6.9	4.53

3TW23282-6

SYMBOLS

AFR:	Air flow rate	(m^3/min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°CWB)
EDB:	Entering dry bulb temp.	(°CDB)
DB*:	Dry bulb temperature	(°CDB)
TC:	Total cooling capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input (comp.+indoor+outdoor fan motor)	(kW)

Caution:
TC and SHC are shown by kW
V1: 230V [50Hz]
W1: 400V [50Hz]

NOTES

1. Ratings shown are net capacities which include a deduction for indoor fan motor heat
2. ▭ Shows nominal capacities
3. SHC is based on each EWB and EDB
   SHC* = SHC correction for other dry bulb
   SHC* = 0.29 x 60 x AFR (m3/min) x (DB-EDB)/860.
   Add SHC* to SHC if SHC > TC, then TC equal SHC
4. Direct interpolation is permissible.
   Do not extrapolate..
5. Capacities are based on the following conditions:
   Corresponding refrigerant piping length: 7.5 m
   Level difference: 0 m
6. Air flow rate and BF are tabulated below.

Model		FAYP
71	AFR	19
	BF	0.1
100	AFR	23
	BF	0.1

7. Add the following correction value to power input (kW) of each unit

Model	Supply	FAYP
71	V1	0.1
	W1	0
100	V1	0.2
	W1	0

3 Capacity tables

RP71B7V1 + FHYKP71BV1
RP71B7W1

Cooling capacity

Outdoor	Indoor		Outdoor temperature (°C)																	
	EWB (°C)	EDB (°C)	20			25			32			35			40			46		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
71	12.0	18.0	6.2	4.9	1.83	6.1	4.8	2.10	5.7	4.7	2.27	5.5	4.6	2.45	5.3	4.5	2.71	4.9	4.2	2.97
	14.0	20.0	6.6	4.9	1.92	6.5	4.8	2.18	6.0	4.7	2.36	5.9	4.6	2.45	5.5	4.5	2.71	5.3	4.2	2.97
	16.0	22.0	7.2	5.0	1.92	7.0	4.9	2.18	6.5	4.8	2.36	6.3	4.7	2.53	6.0	4.6	2.79	5.5	4.3	3.06
	18.0	25.0	7.7	5.2	2.01	7.5	5.0	2.18	7.2	4.9	2.45	6.8	4.8	2.62	6.4	4.6	2.79	6.0	4.5	3.14
	19.0	27.0	8.0	5.3	2.01	7.7	5.2	2.18	7.3	5.0	2.45	7.1	4.8	2.62	6.6	4.7	2.88	6.2	4.6	3.14
	19.5	27.0	8.0	5.3	2.01	7.9	5.2	2.18	7.4	5.0	2.45	7.2	4.8	2.62	6.7	4.7	2.88	6.3	4.6	3.14
	22.0	30.0	8.7	5.4	2.10	8.5	5.3	2.27	8.0	5.2	2.53	7.9	4.9	2.71	7.4	4.8	2.88	6.8	4.6	3.23
	24.0	32.0	9.4	5.4	2.10	9.1	5.3	2.27	8.6	5.2	2.62	8.4	5.0	2.71	8.0	4.8	2.97	7.4	4.6	3.32

3TW23282-7

SYMBOLS

AFR:	Air flow rate	(m^3/min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°CWB)
EDB:	Entering dry bulb temp.	(°CDB)
DB*:	Dry bulb temperature	(°CDB)
TC:	Total cooling capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input (comp.+indoor+outdoor fan motor)	(kW)

Caution:
TC and SHC are shown by kW
V1: 230V [50Hz]
W1: 400V [50Hz]

NOTES

1. Ratings shown are net capacities which include a deduction for indoor fan motor heat
2. ▭ Shows nominal capacities
3. SHC is based on each EWB and EDB
   SHC* = SHC correction for other dry bulb
   SHC* = 0.29 x 60 x AFR (m3/min) x (DB-EDB)/860.
   Add SHC* to SHC if SHC > TC, then TC equal SHC
4. Direct interpolation is permissible.
   Do not extrapolate..
5. Capacities are based on the following conditions:
   Corresponding refrigerant piping length: 7.5 m
   Level difference: 0 m
6. Air flow rate and BF are tabulated below.

Model		FHYKP
71	AFR	17
	BF	0.07

7. Add the following correction value to power input (kW) of each unit

Model	Supply	FHYKP
71	V1	0.2
	W1	0

3 Capacity tables

RP(71~100)B7V1 + FHYCP(71~125)B7V1
RP(71~125)B7W1
RP(71~125)B7T1

Cooling capacity

Outdoor	Indoor EWB (°C)	Indoor EDB (°C)	Outdoor temperature (°C) 20 TC	20 SHC	20 PI	25 TC	25 SHC	25 PI	32 TC	32 SHC	32 PI	35 TC	35 SHC	35 PI	40 TC	40 SHC	40 PI	46 TC	46 SHC	46 PI
71	12.0	18.0	6.2	4.8	1.81	6.1	4.7	2.06	5.7	4.6	2.24	5.5	4.5	2.41	5.3	4.4	2.67	4.9	4.1	2.92
	14.0	20.0	6.6	4.8	1.89	6.5	4.7	2.15	6.0	4.6	2.32	5.9	4.5	2.41	5.5	4.4	2.67	5.3	4.1	2.92
	16.0	22.0	7.2	4.9	1.89	7.0	4.8	2.15	6.5	4.7	2.32	6.3	4.6	2.49	6.0	4.5	2.75	5.5	4.2	3.01
	18.0	25.0	7.7	5.1	1.98	7.5	4.9	2.15	7.2	4.8	2.41	6.8	4.7	2.58	6.4	4.5	2.75	6.0	4.4	3.10
	19.0	27.0	8.0	5.2	1.98	7.7	5.1	2.15	7.3	4.9	2.41	7.1	4.7	2.58	6.6	4.6	2.84	6.2	4.5	3.10
	19.5	27.0	8.0	5.2	1.98	7.9	5.1	2.15	7.4	4.9	2.41	7.2	4.7	2.58	6.7	4.6	2.84	6.3	4.5	3.10
	22.0	30.0	8.7	5.3	2.06	8.5	5.2	2.24	8.0	5.1	2.49	7.9	4.8	2.67	7.4	4.7	2.84	6.8	4.5	3.18
	24.0	32.0	9.4	5.3	2.06	9.1	5.2	2.24	8.6	5.1	2.58	8.4	4.9	2.67	8.0	4.7	2.92	7.4	4.5	3.27
100	12.0	18.0	8.3	7.0	2.52	8.3	6.9	2.80	8.1	6.7	3.18	7.8	6.6	3.36	7.5	6.2	3.74	6.9	6.0	4.11
	14.0	20.0	8.9	7.0	2.62	8.8	6.9	2.80	8.6	6.7	3.18	8.3	6.6	3.36	7.8	6.2	3.74	7.5	6.0	4.11
	16.0	22.0	10.1	7.1	2.62	9.8	7.0	2.90	9.1	6.8	3.27	8.9	6.7	3.46	8.4	6.3	3.83	7.8	6.1	4.20
	18.0	25.0	10.8	7.4	2.71	10.5	7.3	2.90	9.8	6.9	3.27	9.6	6.8	3.46	9.0	6.6	3.83	8.3	6.2	4.30
	19.0	27.0	11.1	7.5	2.71	10.8	7.4	2.99	10.1	7.0	3.36	10.0	6.9	3.55	9.4	6.7	3.92	8.6	6.3	4.39
	19.5	27.0	11.2	7.5	2.71	11.0	7.4	2.99	10.3	7.0	3.36	10.1	6.9	3.55	9.5	6.7	3.92	8.8	6.3	4.39
	22.0	30.0	12.2	7.6	2.80	11.8	7.5	2.99	11.2	7.1	3.46	11.0	7.0	3.64	10.4	6.9	4.02	9.6	6.6	4.48
	24.0	32.0	13.0	7.7	2.90	12.7	7.6	3.08	11.9	7.3	3.55	11.7	7.1	3.74	11.1	7.0	4.11	10.3	6.7	4.58
125	12.0	18.0	11.1	9.1	3.39	10.8	8.8	3.68	10.0	8.3	3.98	9.7	8.2	4.28	9.2	8.0	4.68	8.6	7.6	5.38
	14.0	20.0	11.8	9.1	3.48	11.4	8.8	3.68	10.7	8.3	4.08	10.4	8.2	4.38	9.8	8.0	4.78	9.2	7.6	5.38
	16.0	22.0	12.7	9.2	3.48	12.1	8.9	3.78	11.4	8.4	4.08	11.1	8.3	4.48	10.4	8.1	4.88	9.7	7.7	5.48
	18.0	25.0	13.3	9.5	3.58	13.0	9.1	3.78	12.1	8.7	4.18	11.8	8.6	4.58	11.2	8.3	4.98	10.4	8.0	5.48
	19.0	27.0	13.6	9.6	3.68	13.3	9.1	3.88	12.7	8.8	4.28	12.2	8.6	4.58	11.5	8.4	5.08	10.8	8.1	5.58
	19.5	27.0	13.8	9.6	3.68	13.5	9.1	3.88	12.8	8.8	4.28	12.4	8.7	4.58	11.7	8.4	5.08	11.0	8.1	5.58
	22.0	30.0	15.1	9.7	3.78	14.6	9.4	3.88	13.7	9.0	4.38	13.4	8.9	4.68	12.9	8.7	5.18	12.0	8.3	5.77
	24.0	32.0	15.9	9.8	3.78	15.5	9.5	3.98	14.6	9.1	4.48	14.3	9.0	4.78	13.6	8.8	5.28	12.9	8.6	5.87

3TW23282-1

SYMBOLS

AFR:	Air flow rate	(m^3/min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°CWB)
EDB:	Entering dry bulb temp.	(°CDB)
ED*:	Dry bulb temperature	(°CDB)
TC:	Total cooling capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input (comp.+indoor+outdoor fan motor)	(kW)

Caution:
TC and SHC are shown by kW
V1/T1: 230V [50Hz]
W1: 400V [50Hz]

NOTES

1. Ratings shown are net capacities which include a deduction for indoor fan motor heat
2. ▭ Shows nominal capacities
3. SHC is based on each EWB and EDB
   SHC* = SHC correction for other dry bulb
   SHC* = 0.29 x 60 x AFR (m3/min) x (DB-EDB)/860.
   Add SHC* to SHC if SHC > TC, then TC equal SHC
4. Direct interpolation is permissible.
   Do not extrapolate..
5. Capacities are based on the following conditions:
   Corresponding refrigerant piping length: 7.5 m
   Level difference: 0 m
6. Air flow rate and BF are tabulated below.

Model		FHYCP
71	AFR	19
	BF	0.1
100	AFR	28
	BF	0.16
125	AFR	33
	BF	0.07

7. Add the following correction value to power input (kW) of each unit

Model	Supply	FHYCP
71	V1	0.04
	W1	0.00
100	V1	0.22
	W1	0.00
125	W1	0.00

3 Capacity tables

RP(71~100)B7V1 + FHYBP(71~125)B7V1
RP(71~125)B7W1
RP(71~125)B7T1

Cooling capacity

Outdoor	Indoor		Outdoor temperature (°C)																	
	EWB (°C)	EDB (°C)	20			25			32			35			40			46		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
71	12.0	18.0	6.2	4.8	1.89	6.1	4.7	2.16	5.7	4.6	2.34	5.5	4.5	2.52	5.3	4.4	2.79	4.9	4.1	3.06
	14.0	20.0	6.6	4.8	1.98	6.5	4.7	2.25	6.0	4.6	2.43	5.9	4.5	2.52	5.5	4.4	2.79	5.3	4.1	3.06
	16.0	22.0	7.2	4.9	1.98	7.0	4.8	2.25	6.5	4.7	2.43	6.3	4.6	2.61	6.0	4.5	2.88	5.5	4.2	3.15
	18.0	25.0	7.7	5.1	2.07	7.5	4.9	2.25	7.2	4.8	2.52	6.8	4.7	2.70	6.4	4.5	2.88	6.0	4.4	3.24
	19.0	27.0	8.0	5.2	2.07	7.7	5.1	2.25	7.3	4.9	2.52	7.1	4.7	2.70	6.6	4.6	2.97	6.2	4.5	3.24
	19.5	27.0	8.0	5.2	2.07	7.9	5.1	2.25	7.4	4.9	2.52	7.2	4.7	2.70	6.7	4.6	2.97	6.3	4.5	3.24
	22.0	30.0	8.7	5.3	2.16	8.5	5.2	2.34	8.0	5.1	2.61	7.9	4.8	2.79	7.4	4.7	2.97	6.8	4.5	3.33
	24.0	32.0	9.4	5.3	2.16	9.1	5.2	2.34	8.6	5.1	2.70	8.4	4.9	2.79	8.0	4.7	3.06	7.4	4.5	3.42
100	12.0	18.0	8.3	7.0	2.52	8.3	6.9	2.80	8.1	6.7	3.18	7.8	6.6	3.36	7.5	6.2	3.74	6.9	6.0	4.11
	14.0	20.0	8.9	7.0	2.62	8.8	6.9	2.80	8.6	6.7	3.18	8.3	6.6	3.36	7.8	6.2	3.74	7.5	6.0	4.11
	16.0	22.0	10.1	7.1	2.62	9.8	7.0	2.90	9.1	6.8	3.27	8.9	6.7	3.46	8.4	6.3	3.83	7.8	6.1	4.20
	18.0	25.0	10.8	7.4	2.71	10.5	7.3	2.90	9.8	6.9	3.27	9.6	6.8	3.46	9.0	6.6	3.83	8.3	6.2	4.30
	19.0	27.0	11.1	7.5	2.71	10.8	7.4	2.99	10.1	7.0	3.36	10.0	6.9	3.55	9.4	6.7	3.92	8.6	6.3	4.39
	19.5	27.0	11.2	7.5	2.71	11.0	7.4	2.99	10.3	7.0	3.36	10.1	6.9	3.55	9.5	6.7	3.92	8.8	6.3	4.39
	22.0	30.0	12.2	7.6	2.80	11.8	7.5	2.99	11.2	7.1	3.46	11.0	7.0	3.64	10.4	6.9	4.02	9.6	6.6	4.48
	24.0	32.0	13.0	7.7	2.90	12.7	7.6	3.08	11.9	7.3	3.55	11.7	7.1	3.74	11.1	7.0	4.11	10.3	6.7	4.58
125	12.0	18.0	11.1	9.1	3.39	10.8	8.8	3.68	10.0	8.3	3.98	9.7	8.2	4.28	9.2	8.0	4.68	8.6	7.6	5.38
	14.0	20.0	11.8	9.1	3.48	11.4	8.8	3.68	10.7	8.3	4.08	10.4	8.2	4.38	9.8	8.0	4.78	9.2	7.6	5.38
	16.0	22.0	12.7	9.2	3.48	12.1	8.9	3.78	11.4	8.4	4.08	11.1	8.3	4.48	10.4	8.1	4.88	9.7	7.7	5.48
	18.0	25.0	13.3	9.5	3.58	13.0	9.1	3.78	12.1	8.7	4.18	11.8	8.6	4.58	11.2	8.3	4.98	10.4	8.0	5.48
	19.0	27.0	13.6	9.6	3.68	13.3	9.1	3.88	12.7	8.8	4.28	12.2	8.6	4.58	11.5	8.4	5.08	10.8	8.1	5.58
	19.5	27.0	13.8	9.6	3.68	13.5	9.1	3.88	12.8	8.8	4.28	12.4	8.7	4.58	11.7	8.4	5.08	11.0	8.1	5.58
	22.0	30.0	15.1	9.7	3.78	14.6	9.4	3.88	13.7	9.0	4.38	13.4	8.9	4.68	12.9	8.7	5.18	12.0	8.3	5.77
	24.0	32.0	15.9	9.8	3.78	15.5	9.5	3.98	14.6	9.1	4.48	14.3	9.0	4.78	13.6	8.8	5.28	12.9	8.6	5.87

3TW23282-2

SYMBOLS

AFR:	Air flow rate	(m^3/min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°CWB)
EDB:	Entering dry bulb temp.	(°CDB)
ED*:	Dry bulb temperature	(°CDB)
TC:	Total cooling capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input (comp.+indoor+outdoor fan motor)	(kW)

Caution:
TC and SHC are shown by kW
V1/T1: 230V [50Hz]
W1: 400V [50Hz]

NOTES

1. Ratings shown are net capacities which include a deduction for indoor fan motor heat
2. ▭ Shows nominal capacities
3. SHC is based on each EWB and EDB
   SHC* = SHC correction for other dry bulb
   SHC* = 0.29 x 60 x AFR (m3/min) x (DB-EDB)/860.
   Add SHC* to SHC if SHC > TC, then TC equal SHC
4. Direct interpolation is permissible.
   Do not extrapolate..
5. Capacities are based on the following conditions:
   Corresponding refrigerant piping length: 7.5 m
   Level difference: 0 m
6. Air flow rate and BF are tabulated below.

Model		FHYBP
71	AFR	19
	BF	0.11
100	AFR	27
	BF	0.2
125	AFR	35
	BF	0.14

7. Add the following correction value to power input (kW) of each unit

Model	Supply	FHYBP
71	V1	0.04
	W1	0.00
100	V1	0.17
	W1	0.00
125	W1	0.00

3 Capacity tables

3

RP125B7W1 + FDYP125B7V1
RP125B7T1

Cooling capacity

Outdoor	Indoor		Outdoor temperature (°C)																	
	EWB (°C)	EDB (°C)	20			25			32			35			40			46		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
125	12.0	18.0	11.2	10.5	3.47	10.9	10.1	3.78	10.2	9.6	4.09	9.9	9.5	4.39	9.4	9.2	4.80	8.7	8.8	5.52
	14.0	20.0	12.0	10.5	3.58	11.6	10.1	3.78	10.9	9.6	4.19	10.6	9.5	4.50	10.0	9.2	4.90	9.4	8.8	5.52
	16.0	22.0	12.9	10.6	3.58	12.3	10.2	3.88	11.6	9.7	4.19	11.2	9.6	4.60	10.6	9.4	5.01	9.9	8.9	5.62
	18.0	25.0	13.6	10.9	3.68	13.2	10.5	3.88	12.3	10.0	4.29	12.0	9.9	4.70	11.3	9.6	5.11	10.6	9.2	5.62
	19.0	27.0	13.9	11.0	3.78	13.6	10.5	3.98	12.9	10.1	4.39	12.4	9.9	4.70	11.7	9.7	5.21	10.9	9.4	5.72
	19.5	27.0	14.0	11.0	3.78	13.8	10.5	3.98	13.0	10.1	4.39	12.6	10.0	4.70	11.9	9.7	5.21	11.1	9.4	5.72
	22.0	30.0	15.3	11.2	3.88	14.8	10.8	3.98	14.0	10.3	4.50	13.7	10.2	4.80	13.1	10.0	5.31	12.2	9.6	5.93
	24.0	32.0	16.2	11.3	3.88	15.8	10.9	4.09	14.8	10.5	4.60	14.5	10.3	4.90	13.9	10.1	5.42	13.1	9.9	6.03

3TW23382-3

SYMBOLS

AFR:	Air flow rate	(m^3/min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°CWB)
EDB:	Entering dry bulb temp.	(°CDB)
DB*:	Dry bulb temperature	(°CDB)
TC:	Total cooling capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input (comp.+indoor+outdoor fan motor)	(kW)

Caution:
TC and SHC are shown by kW
V1/T1: 230V [50Hz]
W1: 400V [50Hz]

NOTES

1. Ratings shown are net capacities which include a deduction for indoor fan motor heat
2. ☐ Shows nominal capacities
3. SHC is based on each EWB and EDB
   SHC* = SHC correction for other dry bulb
   SHC* = 0.29 x 60 x AFR (m3/min) x (DB-EDB)/860.
   Add SHC* to SHC if SHC > TC, then TC equal SHC
4. Direct interpolation is permissible.
   Do not extrapolate..
5. Capacities are based on the following conditions:
   Corresponding refrigerant piping length: 7.5 m
   Level difference: 0 m
6. Air flow rate and BF are tabulated below.

Model		FDYP
125	AFR	45
	BF	0.25

3 Capacity tables

RP(71~100)B7V1 + FHYP(71~125)BV1
RP(71~125)B7W1

Cooling capacity

Outdoor	Indoor EWB (°C)	Indoor EDB (°C)	Outdoor temperature (°C) 20 TC	20 SHC	20 PI	25 TC	25 SHC	25 PI	32 TC	32 SHC	32 PI	35 TC	35 SHC	35 PI	40 TC	40 SHC	40 PI	46 TC	46 SHC	46 PI
71	12.0	18.0	6.2	4.8	1.83	6.1	4.7	2.09	5.7	4.6	2.26	5.5	4.5	2.44	5.3	4.4	2.70	4.9	4.1	2.96
	14.0	20.0	6.6	4.8	1.91	6.5	4.7	2.18	6.0	4.6	2.35	5.9	4.5	2.44	5.5	4.4	2.70	5.3	4.1	2.96
	16.0	22.0	7.2	4.9	1.91	7.0	4.8	2.18	6.5	4.7	2.35	6.3	4.6	2.52	6.0	4.5	2.78	5.5	4.2	3.05
	18.0	25.0	7.7	5.1	2.00	7.5	4.9	2.18	7.2	4.8	2.44	6.8	4.7	2.61	6.4	4.5	2.78	6.0	4.4	3.13
	19.0	27.0	8.0	5.2	2.00	7.7	5.1	2.18	7.3	4.9	2.44	7.1	4.7	2.61	6.6	4.6	2.87	6.2	4.5	3.13
	19.5	27.0	8.0	5.2	2.00	7.9	5.1	2.18	7.4	4.9	2.44	7.2	4.7	2.61	6.7	4.6	2.87	6.3	4.5	3.13
	22.0	30.0	8.7	5.3	2.09	8.5	5.2	2.26	8.0	5.1	2.52	7.9	4.8	2.70	7.4	4.7	2.87	6.8	4.5	3.22
	24.0	32.0	9.4	5.3	2.09	9.1	5.2	2.26	8.6	5.1	2.61	8.4	4.9	2.70	8.0	4.7	2.96	7.4	4.5	3.31
100	12.0	18.0	8.3	7.0	2.57	8.3	6.9	2.86	8.1	6.7	3.24	7.8	6.6	3.43	7.5	6.2	3.81	6.9	6.0	4.19
	14.0	20.0	8.9	7.0	2.67	8.8	6.9	2.86	8.6	6.7	3.24	8.3	6.6	3.43	7.8	6.2	3.81	7.5	6.0	4.19
	16.0	22.0	10.1	7.1	2.67	9.8	7.0	2.95	9.1	6.8	3.33	8.9	6.7	3.52	8.4	6.3	3.91	7.8	6.1	4.29
	18.0	25.0	10.8	7.4	2.76	10.5	7.3	2.95	9.8	6.9	3.33	9.6	6.8	3.52	9.0	6.6	3.91	8.3	6.2	4.38
	19.0	27.0	11.1	7.5	2.76	10.8	7.4	3.05	10.1	7.0	3.43	10.0	6.9	3.62	9.4	6.7	4.00	8.6	6.3	4.48
	19.5	27.0	11.2	7.5	2.76	11.0	7.4	3.05	10.3	7.0	3.43	10.1	6.9	3.62	9.5	6.7	4.00	8.8	6.3	4.48
	22.0	30.0	12.2	7.6	2.86	11.8	7.5	3.05	11.2	7.1	3.52	11.0	7.0	3.72	10.4	6.9	4.10	9.6	6.6	4.57
	24.0	32.0	13.0	7.7	2.95	12.7	7.6	3.14	11.9	7.3	3.62	11.7	7.1	3.81	11.1	7.0	4.19	10.3	6.7	4.67
125	12.0	18.0	11.3	9.1	3.47	11.0	8.8	3.77	10.3	8.3	4.08	10.0	8.2	4.38	9.5	8.0	4.79	8.8	7.6	5.51
	14.0	20.0	12.1	9.1	3.57	11.7	8.8	3.77	10.9	8.3	4.18	10.6	8.2	4.49	10.1	8.0	4.89	9.5	7.6	5.51
	16.0	22.0	13.0	9.2	3.57	12.4	8.9	3.87	11.7	8.4	4.18	11.3	8.3	4.59	10.6	8.1	5.00	10.0	7.7	5.61
	18.0	25.0	13.7	9.5	3.67	13.3	9.1	3.87	12.4	8.7	4.28	12.1	8.6	4.69	11.4	8.3	5.10	10.6	8.0	5.61
	19.0	27.0	14.0	9.6	3.77	13.7	9.1	3.98	13.0	8.8	4.38	12.5	8.6	4.69	11.8	8.4	5.20	11.0	8.1	5.71
	19.5	27.0	14.2	9.6	3.77	13.9	9.1	3.98	13.1	8.8	4.38	12.7	8.7	4.69	12.0	8.4	5.20	11.2	8.1	5.71
	22.0	30.0	15.4	9.7	3.87	14.9	9.4	3.98	14.1	9.0	4.49	13.8	8.9	4.79	13.2	8.7	5.30	12.3	8.3	5.91
	24.0	32.0	16.3	9.8	3.87	15.9	9.5	4.08	14.9	9.1	4.59	14.6	9.0	4.89	14.0	8.8	5.40	13.2	8.6	6.02

3TW23282-4

SYMBOLS

AFR:	Air flow rate	(m^3/min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°CWB)
EDB:	Entering dry bulb temp.	(°CDB)
ED*:	Dry bulb temperature	(°CDB)
TC:	Total cooling capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input (comp.+indoor+outdoor fan motor)	(kW)

Caution:
TC and SHC are shown by kW
V1/T1: 230V [50Hz]
W1: 400V [50Hz]

NOTES

1. Ratings shown are net capacities which include a deduction for indoor fan motor heat
2. ▭ Shows nominal capacities
3. SHC is based on each EWB and EDB
   SHC* = SHC correction for other dry bulb
   SHC* = 0.29 x 60 x AFR (m3/min) x (DB-EDB)/860.
   Add SHC* to SHC if SHC > TC, then TC equal SHC
4. Direct interpolation is permissible.
   Do not extrapolate..
5. Capacities are based on the following conditions:
   Corresponding refrigerant piping length: 7.5 m
   Level difference: 0 m
6. Air flow rate and BF are tabulated below.

Model		FHYP
71	AFR	17
	BF	0.1
100	AFR	24
	BF	0.14
125	AFR	30
	BF	0.13

7. Add the following correction value to power input (kW) of each unit

Model	Supply	FHYP
71	V1	0.04
	W1	0.00
100	V1	0.20
	W1	0.00
125	W1	0.00

3 Capacity tables

RP(71~100)B7V1 + FUYP(71~125)BV1
RP(71~125)B7W1

Cooling capacity

Outdoor	Indoor EWB (°C)	Indoor EDB (°C)	Outdoor temperature (°C) 20 TC	20 SHC	20 PI	25 TC	25 SHC	25 PI	32 TC	32 SHC	32 PI	35 TC	35 SHC	35 PI	40 TC	40 SHC	40 PI	46 TC	46 SHC	46 PI
71	12.0	18.0	6.2	4.9	1.85	6.1	4.8	2.11	5.7	4.7	2.29	5.5	4.6	2.46	5.3	4.5	2.73	4.9	4.2	2.99
	14.0	20.0	6.6	4.9	1.94	6.5	4.8	2.20	6.0	4.7	2.38	5.9	4.6	2.46	5.5	4.5	2.73	5.3	4.2	2.99
	16.0	22.0	7.2	5.0	1.94	7.0	4.9	2.20	6.5	4.8	2.38	6.3	4.7	2.55	6.0	4.6	2.82	5.5	4.3	3.08
	18.0	25.0	7.7	5.2	2.02	7.5	5.0	2.20	7.2	4.9	2.46	6.8	4.8	2.64	6.4	4.6	2.82	6.0	4.5	3.17
	19.0	27.0	8.0	5.3	2.02	7.7	5.2	2.20	7.3	5.0	2.46	7.1	4.8	2.64	6.6	4.7	2.90	6.2	4.6	3.17
	19.5	27.0	8.0	5.3	2.02	7.9	5.2	2.20	7.4	5.0	2.46	7.2	4.8	2.64	6.7	4.7	2.90	6.3	4.6	3.17
	22.0	30.0	8.7	5.4	2.11	8.5	5.3	2.29	8.0	5.2	2.55	7.9	4.9	2.73	7.4	4.8	2.90	6.8	4.6	3.26
	24.0	32.0	9.4	5.4	2.11	9.1	5.3	2.29	8.6	5.2	2.64	8.4	5.0	2.73	8.0	4.8	2.99	7.4	4.6	3.34
100	12.0	18.0	8.3	7.2	2.57	8.3	7.1	2.85	8.1	6.9	3.23	7.8	6.8	3.42	7.5	6.4	3.80	6.9	6.2	4.18
	14.0	20.0	8.9	7.2	2.66	8.8	7.1	2.85	8.6	6.9	3.23	8.3	6.8	3.42	7.8	6.4	3.80	7.5	6.2	4.18
	16.0	22.0	10.1	7.3	2.66	9.8	7.2	2.95	9.1	7.0	3.33	8.9	6.9	3.52	8.4	6.5	3.90	7.8	6.3	4.28
	18.0	25.0	10.8	7.6	2.76	10.5	7.5	2.95	9.8	7.1	3.33	9.6	7.0	3.52	9.0	6.8	3.90	8.3	6.4	4.37
	19.0	27.0	11.1	7.7	2.76	10.8	7.6	3.04	10.1	7.2	3.42	10.0	7.1	3.61	9.4	6.9	3.99	8.6	6.5	4.47
	19.5	27.0	11.2	7.7	2.76	11.0	7.6	3.04	10.3	7.2	3.42	10.1	7.1	3.61	9.5	6.9	3.99	8.8	6.5	4.47
	22.0	30.0	12.2	7.8	2.85	11.8	7.7	3.04	11.2	7.3	3.52	11.0	7.2	3.71	10.4	7.1	4.09	9.6	6.8	4.56
	24.0	32.0	13.0	7.9	2.95	12.7	7.8	3.14	11.9	7.5	3.61	11.7	7.3	3.80	11.1	7.2	4.18	10.3	6.9	4.66
125	12.0	18.0	11.3	9.5	3.44	11.0	9.2	3.75	10.3	8.7	4.05	10.0	8.6	4.36	9.5	8.4	4.76	8.8	8.0	5.47
	14.0	20.0	12.1	9.5	3.55	11.7	9.2	3.75	10.9	8.7	4.15	10.6	8.6	4.46	10.1	8.4	4.86	9.5	8.0	5.47
	16.0	22.0	13.0	9.6	3.55	12.4	9.3	3.85	11.7	8.8	4.15	11.3	8.7	4.56	10.6	8.5	4.96	10.0	8.1	5.57
	18.0	25.0	13.7	9.9	3.65	13.3	9.5	3.85	12.4	9.1	4.25	12.1	9.0	4.66	11.4	8.7	5.07	10.6	8.4	5.57
	19.0	27.0	14.0	10.0	3.75	13.7	9.5	3.95	13.0	9.2	4.36	12.5	9.0	4.66	11.8	8.8	5.17	11.0	8.5	5.67
	19.5	27.0	14.2	10.0	3.75	13.9	9.5	3.95	13.1	9.2	4.36	12.7	9.1	4.66	12.0	8.8	5.17	11.2	8.5	5.67
	22.0	30.0	15.4	10.2	3.85	14.9	9.8	3.95	14.1	9.4	4.46	13.8	9.3	4.76	13.2	9.1	5.27	12.3	8.7	5.88
	24.0	32.0	16.3	10.3	3.85	15.9	9.9	4.05	14.9	9.5	4.56	14.6	9.4	4.86	14.0	9.2	5.37	13.2	9.0	5.98

3TW23282-5

SYMBOLS

AFR:	Air flow rate	(m^3/min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°CWB)
EDB:	Entering dry bulb temp.	(°CDB)
ED*:	Dry bulb temperature	(°CDB)
TC:	Total cooling capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input (comp.+indoor+outdoor fan motor)	(kW)

Caution:
TC and SHC are shown by kW
V1: 230V [50Hz]
W1: 400V [50Hz]

NOTES

1. Ratings shown are net capacities which include a deduction for indoor fan motor heat
2. ▭ Shows nominal capacities
3. SHC is based on each EWB and EDB
   SHC* = SHC correction for other dry bulb
   SHC* = 0.29 x 60 x AFR (m3/min) x (DB-EDB)/860.
   Add SHC* to SHC if SHC > TC, then TC equal SHC
4. Direct interpolation is permissible.
   Do not extrapolate..
5. Capacities are based on the following conditions:
   Corresponding refrigerant piping length: 7.5 m
   Level difference: 0 m
6. Air flow rate and BF are tabulated below.

Model		FUYP
71	AFR	19
	BF	0.07
100	AFR	29
	BF	0.07
125	AFR	32
	BF	0.07

7. Add the following correction value to power input (kW) of each unit

Model	Supply	FUYP
71	V1	0.2
	W1	0
100	V1	0.3
	W1	0
125	W1	0

3 Capacity tables

RP(200~250)B7W1 + FDYP(200~250)B7V1

Cooling capacity

Model	FDYP200	FDYP250
AFR	69	89
BF	0.25	0.25

Outdoor	Indoor		Outdoor temperature (°C)																	
	EWB	EDB	20			25			32			35			40			46		
	(°C)	(°C)	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
RP200	12.0	18.0	17.9	15.2	6.51	17.2	14.7	7.00	16.2	14.0	7.84	15.8	13.8	8.25	15.1	13.3	9.04	14.4	12.9	10.10
	14.0	20.0	19.2	15.3	6.60	18.4	14.8	7.09	17.4	14.2	7.96	16.9	13.9	8.38	16.3	13.5	9.17	15.5	13.0	10.24
	16.0	22.0	20.5	15.4	6.70	19.7	14.9	7.21	18.6	14.3	8.08	18.1	14.0	8.51	17.4	13.6	9.31	16.7	13.1	10.40
	18.0	25.0	21.8	16.3	6.80	21.0	15.8	7.33	19.8	15.2	8.21	19.4	15.0	8.64	18.6	14.6	9.45	17.8	14.1	10.56
	19.0	27.0	22.5	17.2	6.86	21.6	16.8	7.39	20.5	16.1	8.28	20.0	15.9	8.71	19.3	15.5	9.53	18.4	15.0	10.64
	22.0	30.0	24.7	17.2	7.04	23.8	16.8	7.57	22.6	16.2	8.49	22.0	15.9	8.94	21.2	15.5	9.78	20.3	15.0	10.91
	24.0	32.0	26.2	17.2	7.16	25.3	16.8	7.71	24.0	16.2	8.65	23.5	15.9	9.11	22.7	15.5	9.95	21.7	15.0	11.10
RP250	12.0	18.0	22.4	19.1	8.03	21.5	18.5	8.63	20.2	17.7	9.67	19.7	17.3	10.18	18.9	16.8	11.14	18.0	16.2	12.46
	14.0	20.0	24.0	19.2	8.14	23.0	18.6	8.75	21.7	17.8	9.82	21.2	17.5	10.34	20.3	17.0	11.30	19.4	16.4	12.63
	16.0	22.0	25.6	19.3	8.26	24.6	18.7	8.89	23.2	17.9	9.96	22.7	17.6	10.49	21.8	17.1	11.48	20.8	16.5	12.82
	18.0	25.0	27.2	20.5	8.39	26.2	19.9	9.04	24.8	19.2	10.12	24.2	18.8	10.65	23.3	18.3	11.65	22.3	17.7	13.02
	19.0	27.0	28.1	21.7	8.46	27.0	21.1	9.11	25.6	20.3	10.21	25.0	20.0	10.74	24.1	19.5	11.75	23.0	18.9	13.12
	22.0	30.0	30.9	21.6	8.68	29.7	21.1	9.34	28.2	20.3	10.47	27.6	20.0	11.03	26.5	19.5	12.05	25.4	18.9	13.45
	24.0	32.0	32.8	21.7	8.83	31.6	21.1	9.51	30.0	20.4	10.67	29.4	20.0	11.23	28.3	19.5	12.27	27.1	18.9	13.68

3TW23612-1A

SYMBOLS

AFR:	Air flow rate	(m^3/min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°CWB)
EDB:	Entering dry bulb temp.	(°CDB)
TC:	Total cooling capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input (comp.+indoor+outdoor fan motor)	(kW)

NOTES

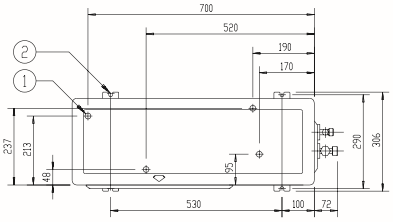
1. Ratings shown are net capacities which include a deduction for indoor fan motor heat
2. Shows nominal capacities
3. SHC is based on each EWB and EDB
   SHC* = SHC correction for other dry bulb
   SHC* = 0.29 x 60 x AFR (m3/min) x (DB-EDB).
   Add SHC* to SHC if SHC > TC, then TC equal SHC
4. Direct interpolation is permissible.
   Do not extrapolate..
5. Capacities are based on the following conditions:
   Corresponding refrigerant piping length: 7.5 m
   Level difference: 0 m

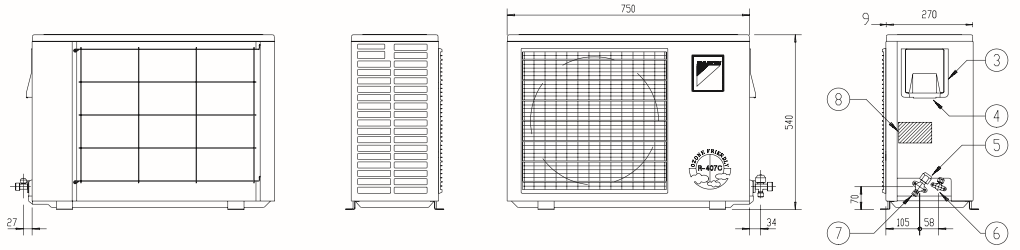
4 Dimensional drawings

R25-35-45GZ7

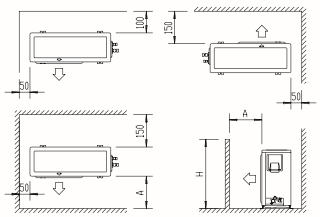
unit (mm)

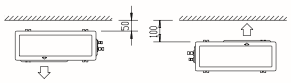
1 Drain outlet
2 4 x holes for anchor bolts (M8 or M10)
3 Service cover + wiring diagram
4 Power intake
5 Low pressure gas stop valve
6 Liquid stop valve (Cu1/4'')
7 Low pressure service port
8 Name plate





Minimum installation space (mm)

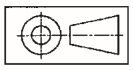




Space for air passage

H	A
≤ 1000	≥ 250
> 1000	≥ 500

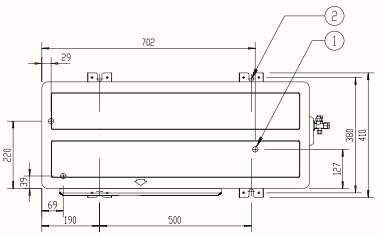
	⑤	⑥
R25GZ7V11	ϕ9.5mm or 3/8"CuT	ϕ6.4mm or 1/4"CuT
R35GZ7V11	ϕ12.7mm or 1/2"CuT	ϕ6.4mm or 1/4"CuT
R45GZ7V11 R45GZ7W11	ϕ15.9mm or 5/8"CuT	ϕ6.4mm or 1/4"CuT



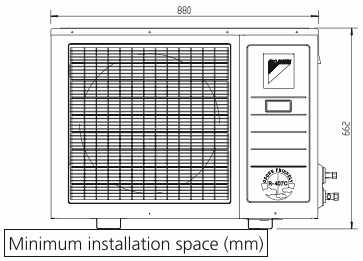
3TW01714-1B

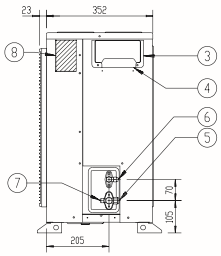
R60GZ7

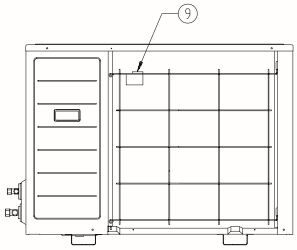
unit (mm)



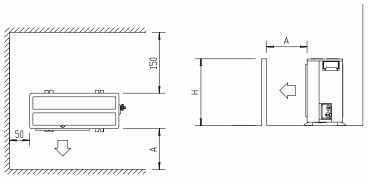
1 Drain outlet (3x)
2 4x holes for anchor bolts (M10)
3 Service cover
4 Power intake
5 Gas stopvalve ϕ15.9mm or 5/8 CuT
6 Liquid stopvalve ϕ6.4mm or 1/4 CuT
7 Service port
8 Nameplate
9 Outdoor air thermostat

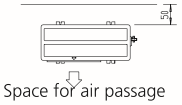




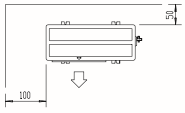


Minimum installation space (mm)

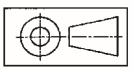




Space for air passage



	A
H < 1000	350
H > 1000	600

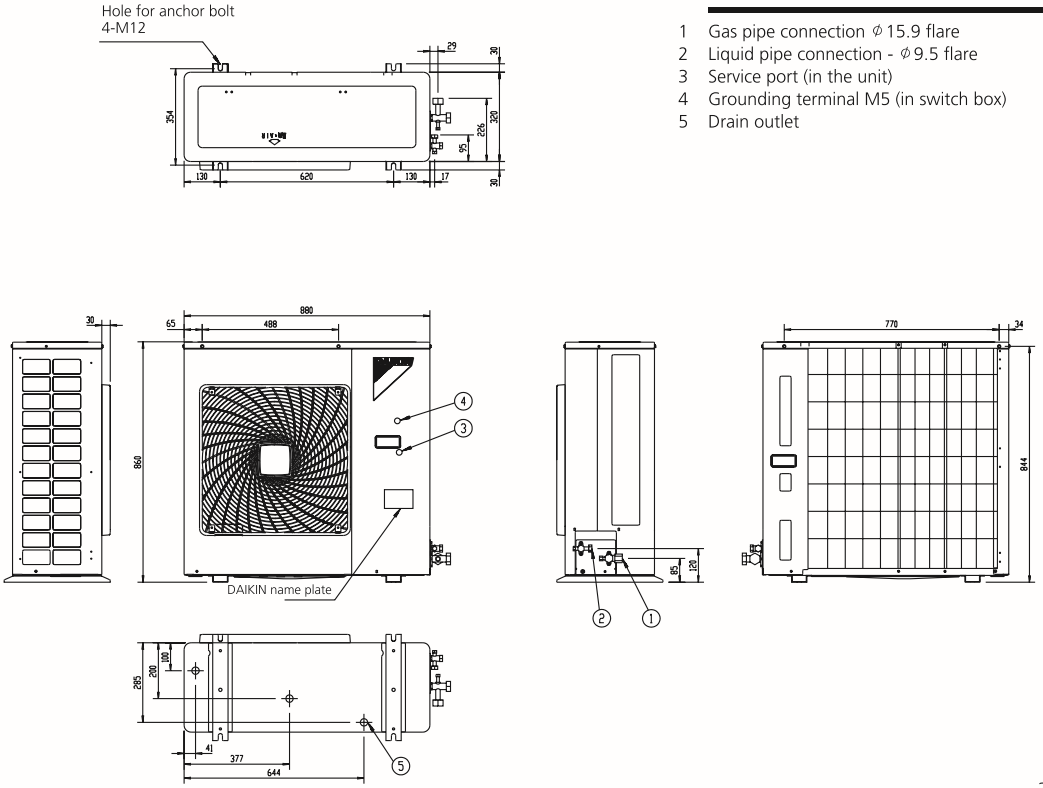


3TW02104-1

4 Dimensional drawings

RP71B7

unit (mm)

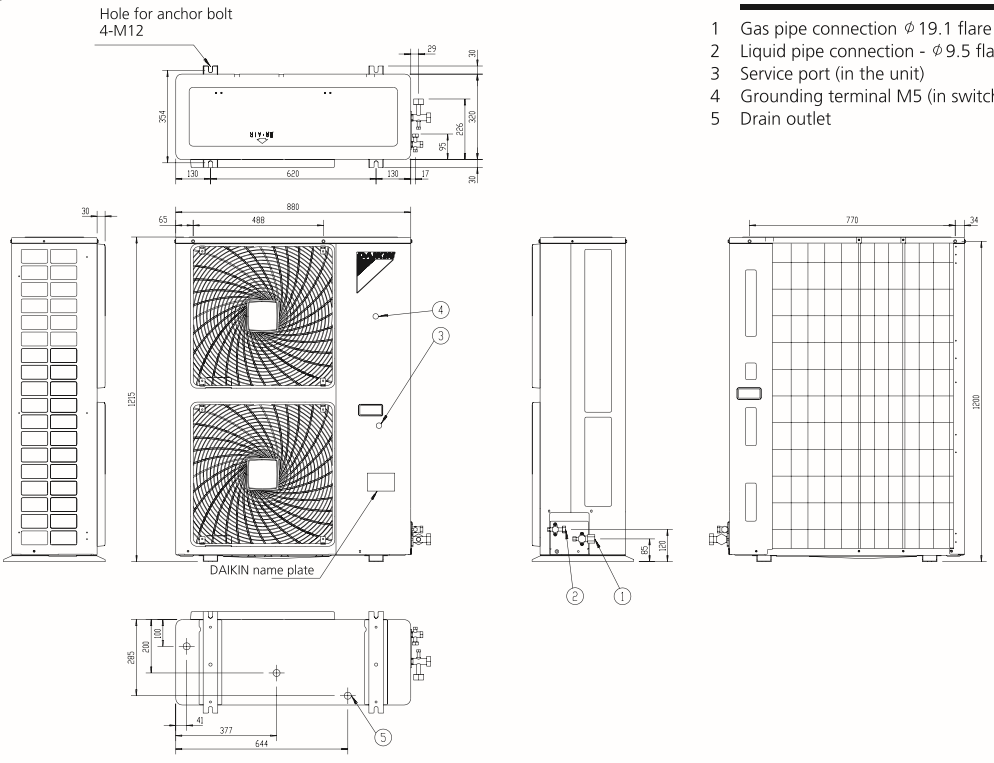


1 Gas pipe connection ϕ15.9 flare
2 Liquid pipe connection - ϕ9.5 flare
3 Service port (in the unit)
4 Grounding terminal M5 (in switch box)
5 Drain outlet

3TW23184-1

RP100-125B7

unit (mm)



1 Gas pipe connection ϕ19.1 flare
2 Liquid pipe connection - ϕ9.5 flare
3 Service port (in the unit)
4 Grounding terminal M5 (in switch box)
5 Drain outlet

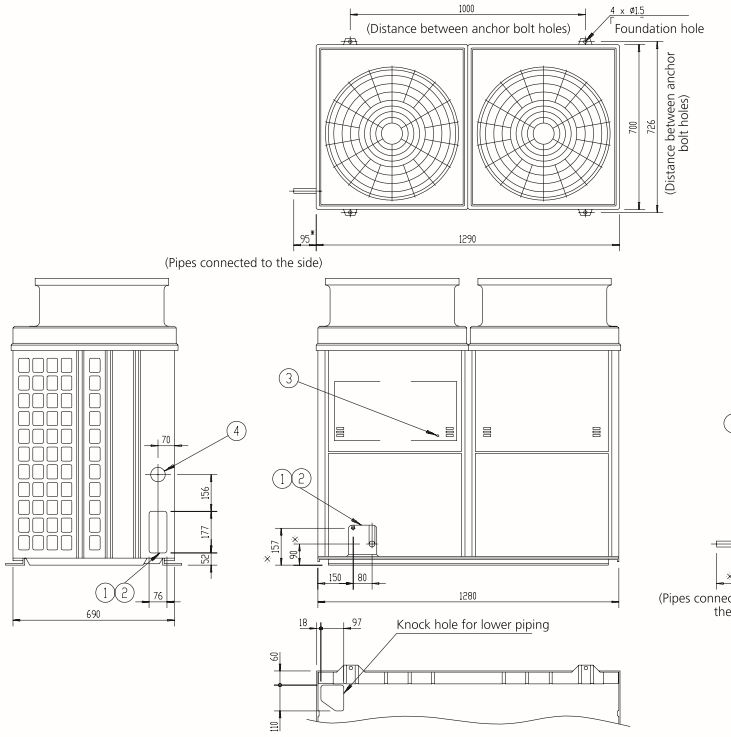
3TW23224-1

4 Dimensional drawings

4

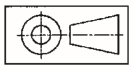
RP200B7

unit (mm)



1 Liquid pipe connection opening
2 Gas piping connection opening
3 Ground terminal
4 Power supply wiring outlet

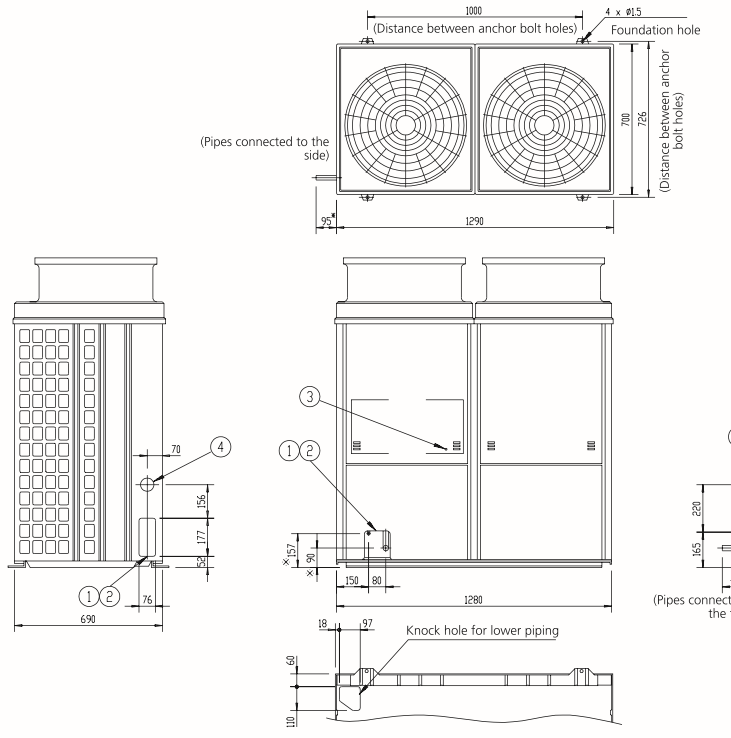
NOTE: The dimensions marked with ※ refer to distances after fixing the connection pipes.



3TW21484-1C

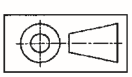
RP250B7

unit (mm)



1 Liquid pipe connection opening
2 Gas piping connection opening
3 Ground terminal
4 Power supply wiring outlet

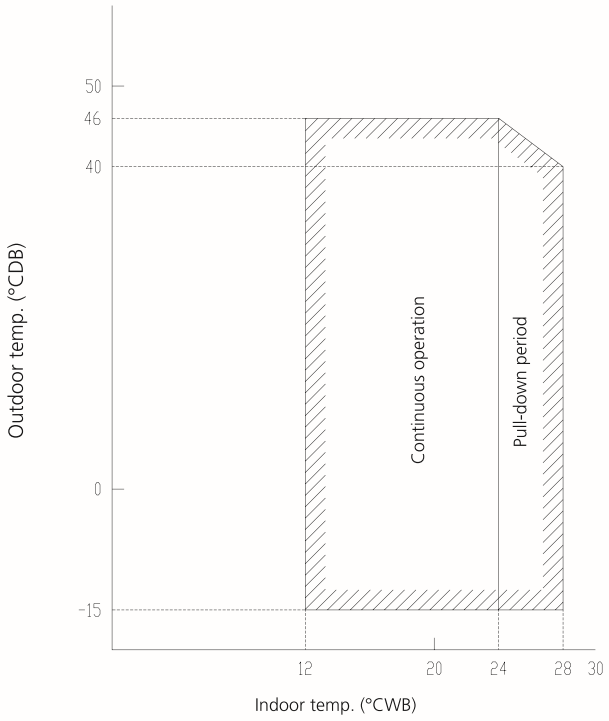
NOTE: The dimensions marked with ※ refer to distances after fixing the connection pipes.



3TW21494-1C

5 Operation range

R25~45GZ7

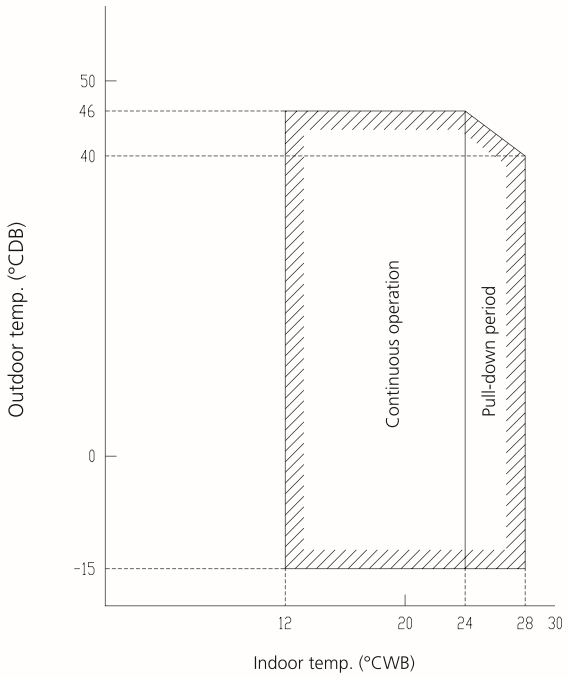


Notes:
The graph is based on the following conditions:

1. Equivalent piping length	7.5 m
2. Level difference	0 m
3. Air flow rate	high

4TW00883-1

R60GZ7



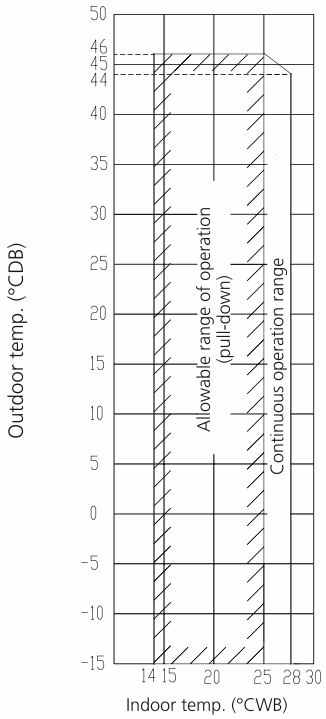
Notes:
The graph is based on the following conditions:

1. Equivalent piping length	7.5 m
2. Level difference	0 m
3. Air flow rate	high

4TW00623-1

5 Operation range

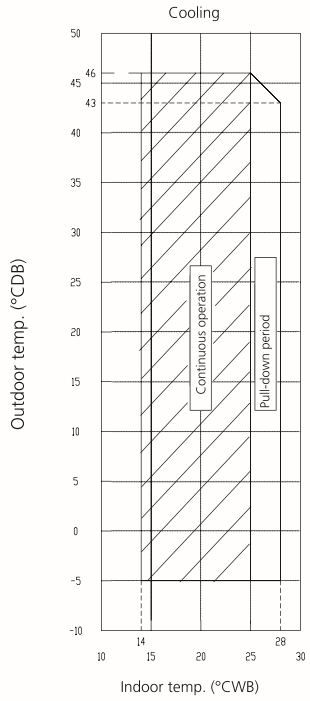
RP71-100-125B7



Model name	
RP71B7V1	RP100B7W1
RP71B7W1	RP100B7T1
RP71B7T1	RP125B7W1
RP100B7V1	RP125B7T1

3TW23183-1

RP200-250B7



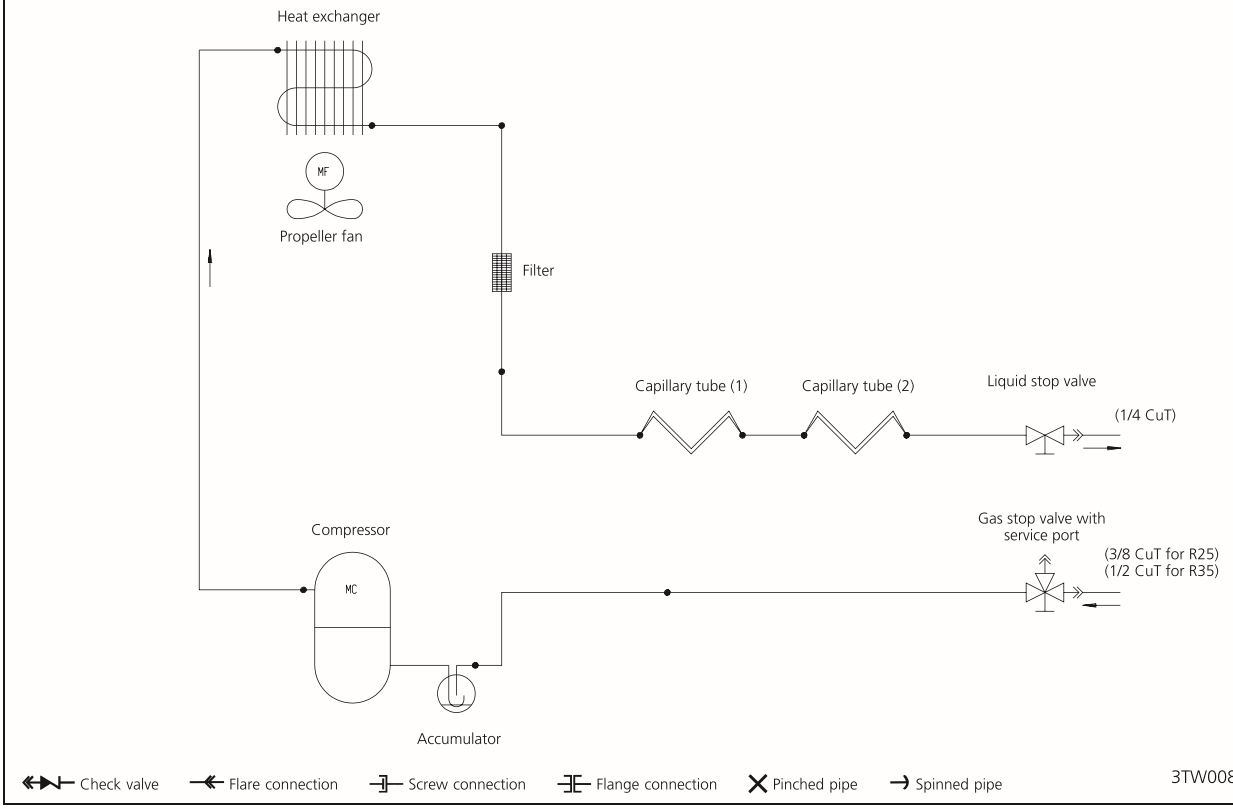
Notes:
The graph is based on the following conditions:

1. Equivalent piping length	70 m
2. Level difference	30 m
3. Indoor air flow rate	72m^3/min (200 class) 90m^3/min (250 class)

3TW23613-1

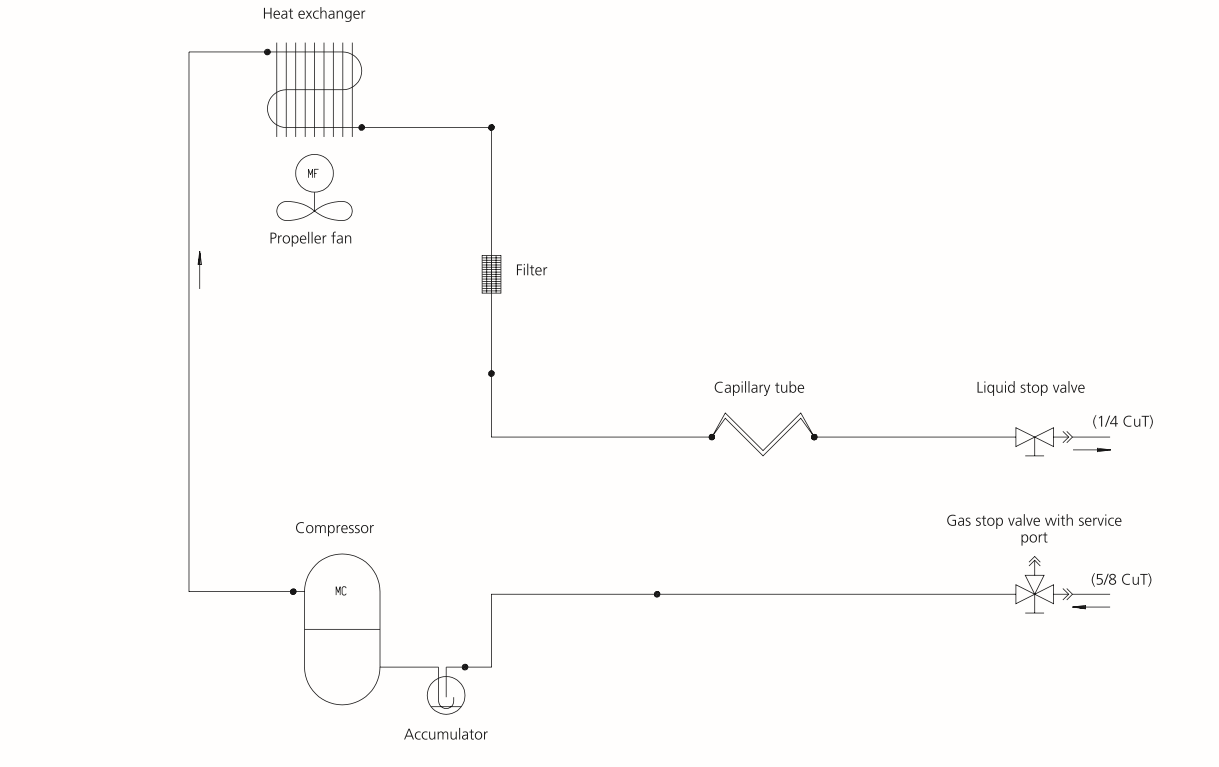
6 Piping diagrams

R25-35GZ7



3TW00875-1B

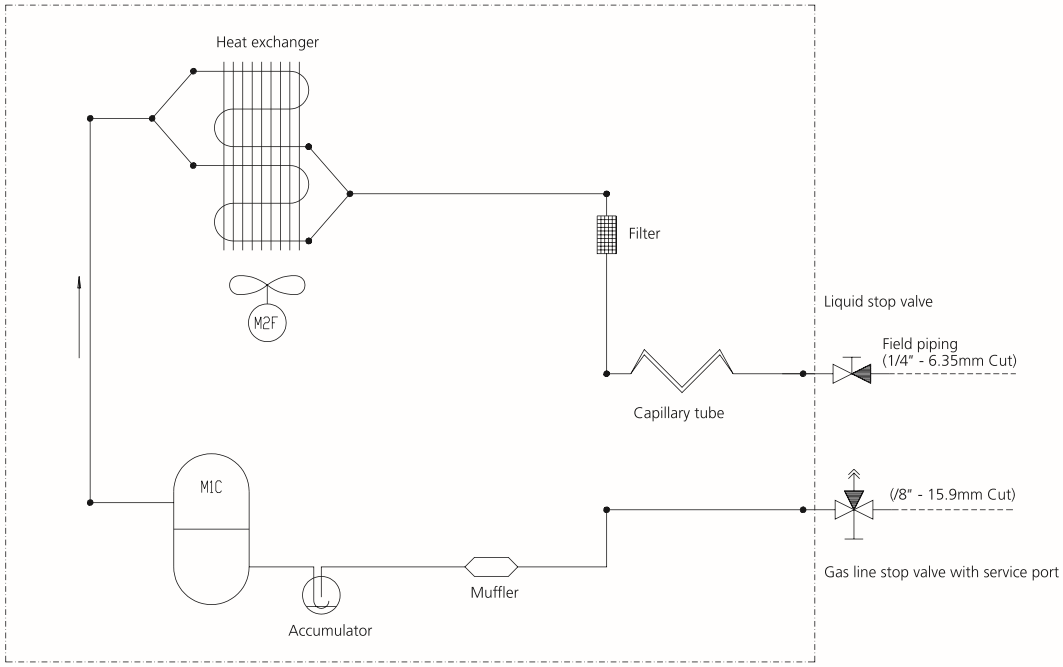
R45GZ7



3TW00915-1A

6 Piping diagrams

R60GZ7

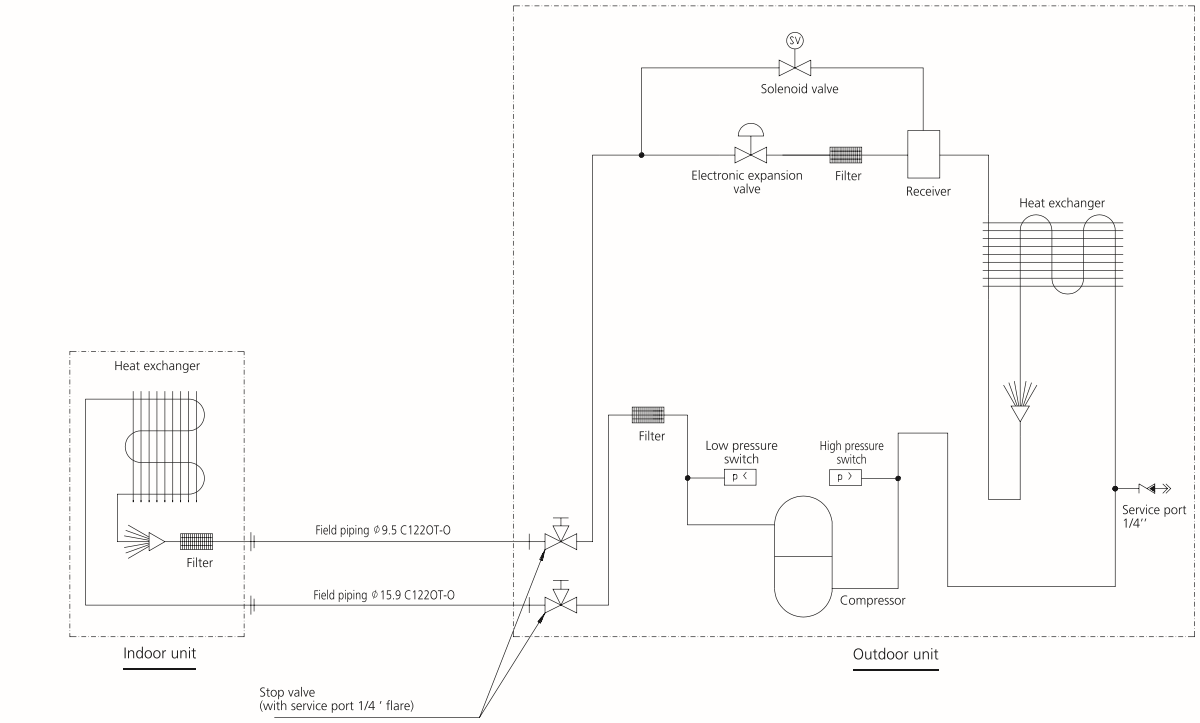


M1C : Compressor motor
M2F : Fan motor

Check valve | Flare connection | Screw connection | Flange connection | Pinched pipe | Spinned pipe

3TW02105-1

RP71B7

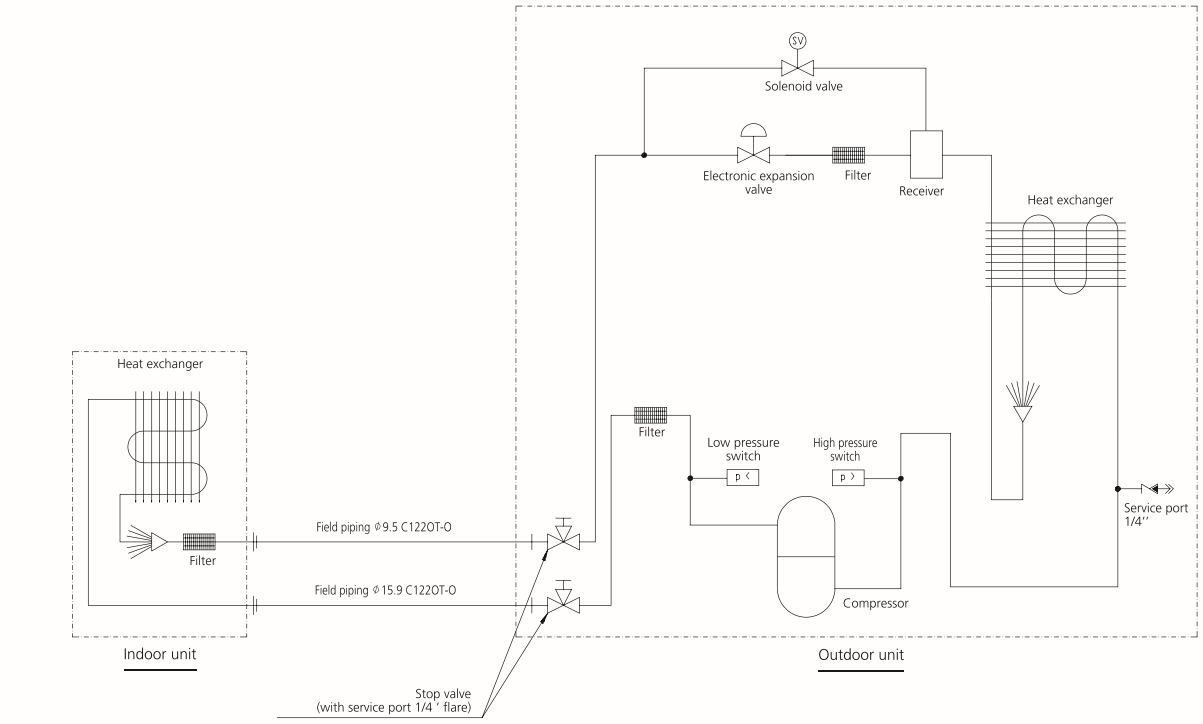


Check valve | Flare connection | Screw connection | Flange connection | Pinched pipe | Spinned pipe

3TW23285-1

6 Piping diagrams

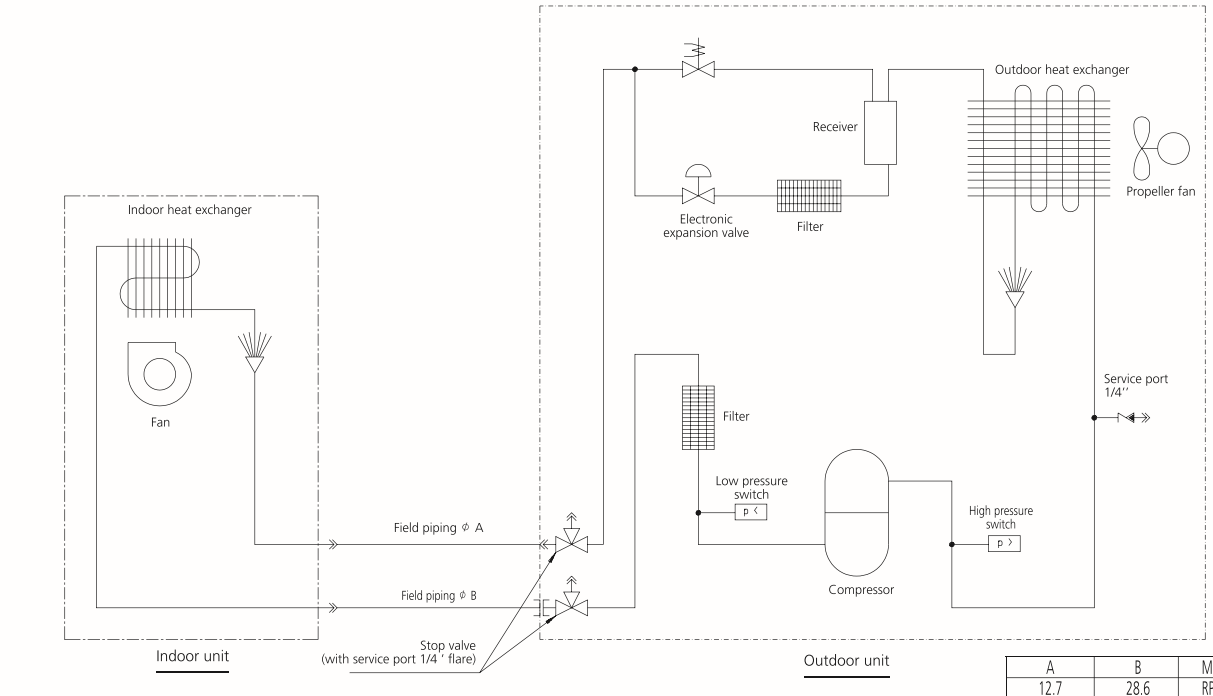
RP100-125B7



Check valve | Flare connection | Screw connection | Flange connection | Pinched pipe | Spinned pipe

3TW23335-1

RP200-250B7



A	B	Model
12.7	28.6	RP200
15.9	28.6	RP250

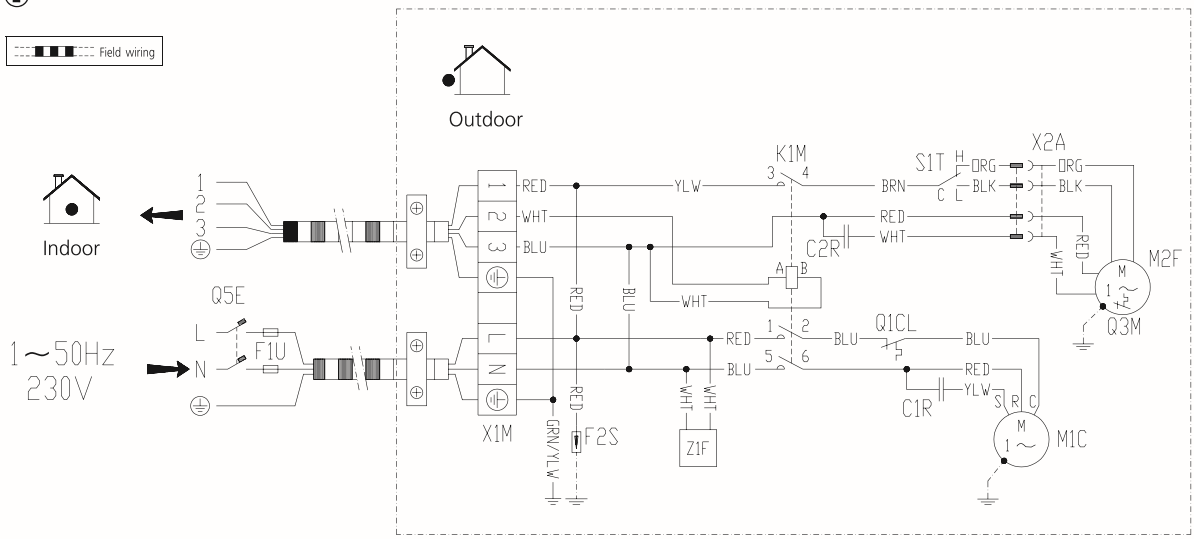
Check valve | Flare connection | Screw connection | Flange connection | Pinched pipe | Spinned pipe

3TW23615-1

7 Wiring diagrams

R25-35GZ7V11

L Live
N Neutral
⏚ Protective earth



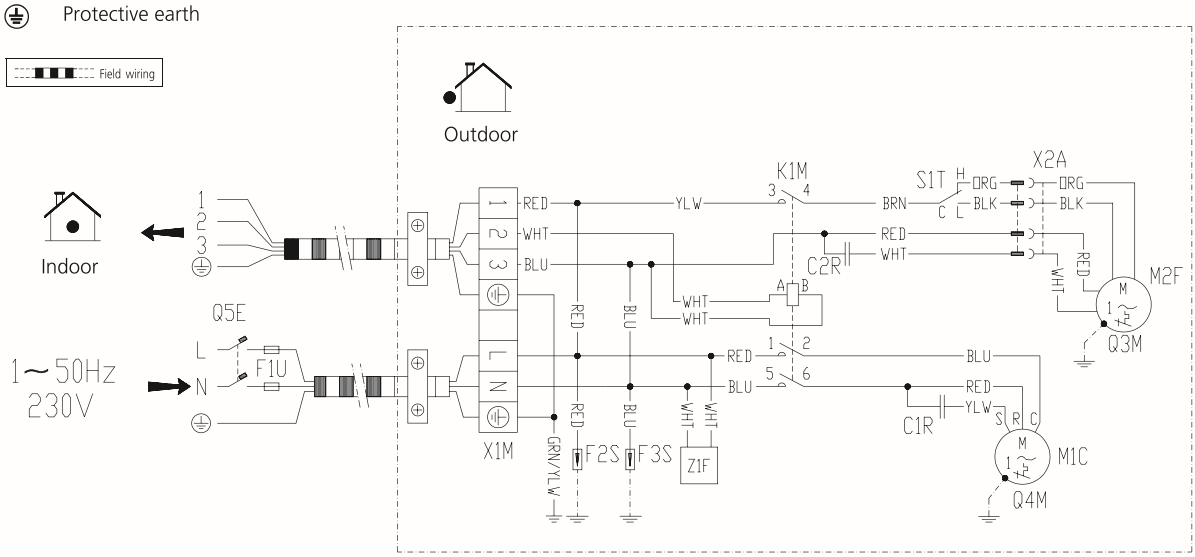
C1R,C2R	: Running capacitor
F1U	: Field fuse
F2S	: Surge absorber
K1M	: Compressor contactor
M1C	: Compressor motor
M2F	: Fan motor

Q1CL	: Overcurrent overload switch (compressor)
Q3M	: Thermal protector
Q5E	: Field earth leak detector
S1T	: Thermostat
X1M	: Terminal strip
X2A	: Connector
Z1F	: Noise filter

3TW01906-1

R45GZ7V11

L Live
N Neutral
⏚ Protective earth



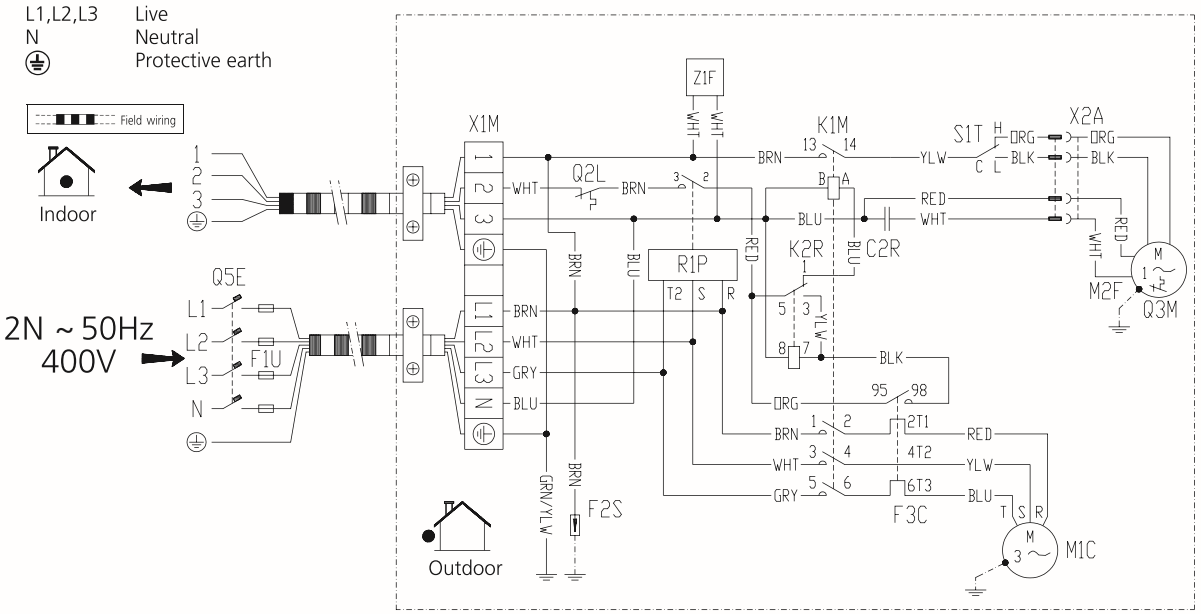
C1R,C2R	: Running capacitor
F1U	: Field fuse
F2S	: Surge absorber
K1M	: Compressor contactor
M1C	: Compressor motor
M2F	: Fan motor

Q2L	: Overload protector (compressor)
Q3M,Q4M	: Thermal protector
Q5E	: Field earth leak detector
S1T	: Thermostat
X1M	: Terminal strip
X2A	: Connector
Z1F	: Noise filter

3TW01926-1

7 Wiring diagrams

R45GZ7W11

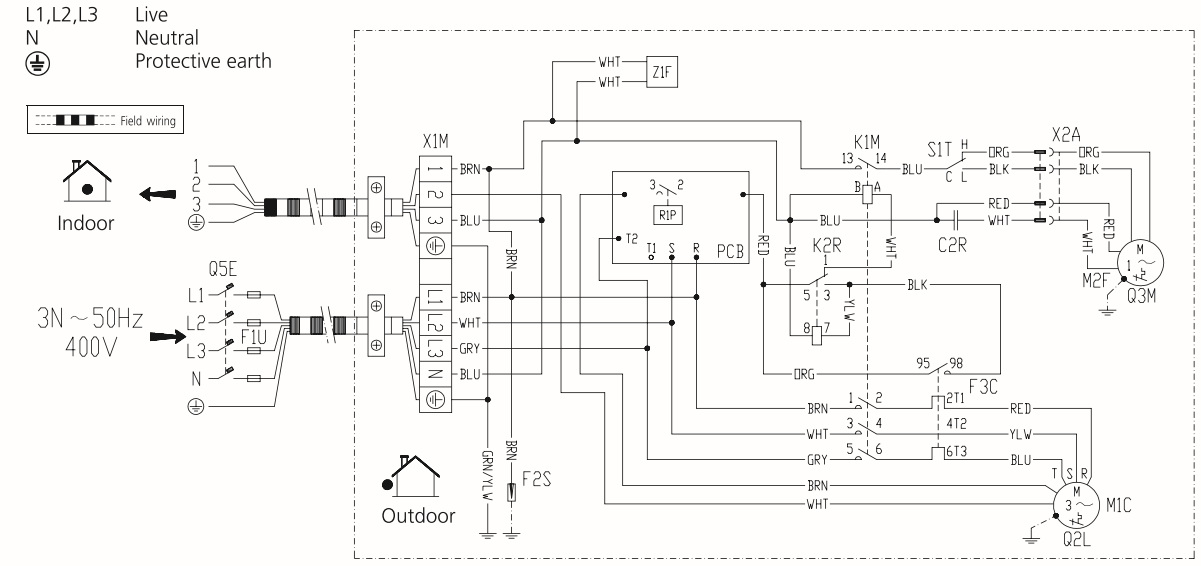


C2R	: Running capacitor
F1U	: Field fuse
F2S	: Surge arrester
F3C	: Overcurrent relay
K1M	: Compressor contactor
K2R	: Magnetic relay
M1C	: Compressor motor
M2F	: Fan motor

R1P	: Reverse phase protector
S1T	: Thermostat
X1M	: Terminal strip
Q2L	: Overload protector (compressor internal)
Q3M	: Thermal protector
Q5E	: Field earth leak detector
X2A	: Connector
Z1F	: Noise filter

3TW01936-1A

R60GZ7W1



C2R	: Running capacitor
F1U	: Field fuse
F2S	: Surge arrester
F3C	: Overcurrent relay
K1M	: Compressor contactor
K2R	: Magnetic relay
M1C	: Compressor motor
M2F	: Fan motor

R1P	: Reverse phase protector
S1T	: Thermostat
X1M	: Terminal strip
Q2L	: Overload protector (compressor internal)
Q3M	: Thermal protector
Q5E	: Field earth leak detector
X2A	: Connector
Z1F	: Noise filter

3TW02106-1A

7 Wiring diagrams

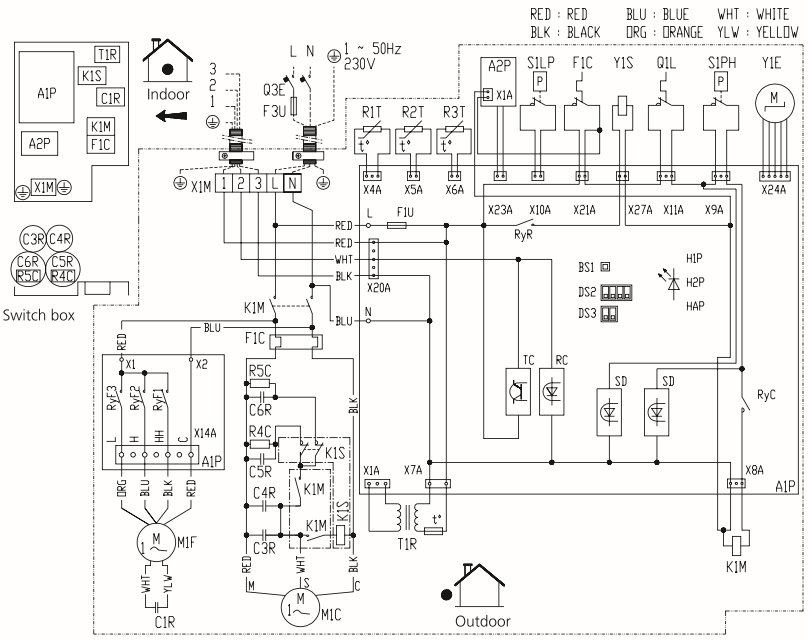
RP71B7V1

Note:

Do not operate the unit by short-circuiting S1LP

Field wiring
Terminal
: Connector
: Wire clamp
: Protective earth (screw)
L : Live
N : Neutral

Colours
BLK: Black/ BLU: Blue/ WHT: White/
RED: Red/ ORG: Orange/ YLW:Yellow



L-RED N-BLU

A1P,A2P	Printed circuit board	F3U	Field fuse	R1T	Thermistor (air)	S1PH	Pressure switch (high)
BS1	Push button (pump down)	HAP	Light emitting diode (service monitor green)	R2T	Thermistor (coil)	SD	Safety devices input
C1R	Capacitor (M1F)	H1P,H2P	Light emitting diode (service monitor red)	R3T	Thermistor (discharge pipe)	T1R	Transformer (220-240V/16V)
C3R,C4R	Capacitor (M1C)	K1M	Magnetic contactor (M1C)	R4C,R5C	Resistor	TC	Signal transmission circuit
C5R,C6R	Starting capacitor (M1C)	K1S	Starting contactor (M1C)	RC	Signal receiver circuit	X1M	Terminal strip
DS2	Selector switch (various see PCB)	M1C	Motor (compressor)	RyC	Magnetic relay (K1M)	Y1E	Expansion valve (electronic type)
DS3	Selector switch (emergency)	M1F	Motor (fan)	RyF1-3	Magnetic relay (M1F)	Y1S	Solenoid valve
F1C	Overcurrent relay (M1C)	Q1L	Thermo switch (M1F)	RyR	Magnetic relay (Y1S)		
F1U	Fuse (250V, 5A)	Q3E	Earth leak detector	S1LP	Pressure switch (low)		

2TW23286-1

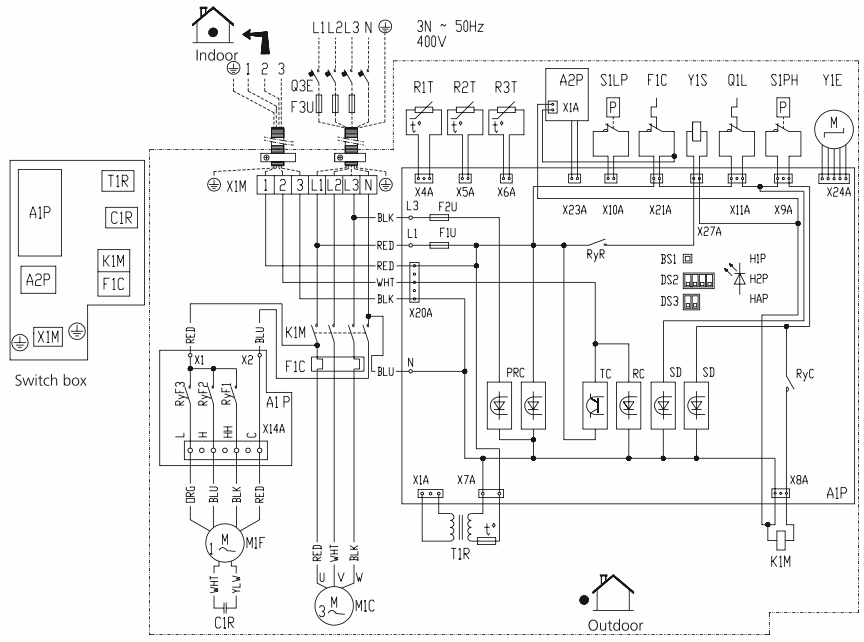
RP71B7W1

Note:

Do not operate the unit by short-circuiting S1LP

Field wiring
Terminal
: Connector
: Wire clamp
: Protective earth (screw)
L : Live
N : Neutral

Colours
BLK: Black/ BLU: Blue/ WHT: White/
RED: Red/ ORG: Orange/ YLW:Yellow



L1-RED L2-WHT L3-BLK N-BLU

A1P,A2P	Printed circuit board	H1P,H2P	Light emitting diode (service monitor red)	R3T	Thermistor (discharge pipe)	TC	Signal transmission circuit
BS1	Push button (pump down)	K1M	Magnetic contactor (M1C)	RC	Signal receiver circuit	X1M	Terminal strip
C1R	Capacitor (M1F)	M1C	Motor (compressor)	RyC	Magnetic relay (K1M)	Y1E	Expansion valve (electronic type)
DS2	Selector switch (various see PCB)	M1F	Motor (fan)	RyF1-3	Magnetic relay (M1F)	Y1S	Solenoid valve
DS3	Selector switch (emergency)	PRC	Phase reverse circuit	RyR	Magnetic relay (Y1S)		
F1C	Overcurrent relay (M1C)	Q1L	Thermo switch (M1F)	S1LP	Pressure switch (low)		
F1U,F2U	Fuse (250V, 5A)	Q3E	Earth leak detector	S1PH	Pressure switch (high)		
F3U	Field fuse	R1T	Thermistor (air)	SD	Safety devices input		
HAP	Light emitting diode (service monitor green)	R2T	Thermistor (coil)	T1R	Transformer (220-240V/16V)		

2TW23296-1

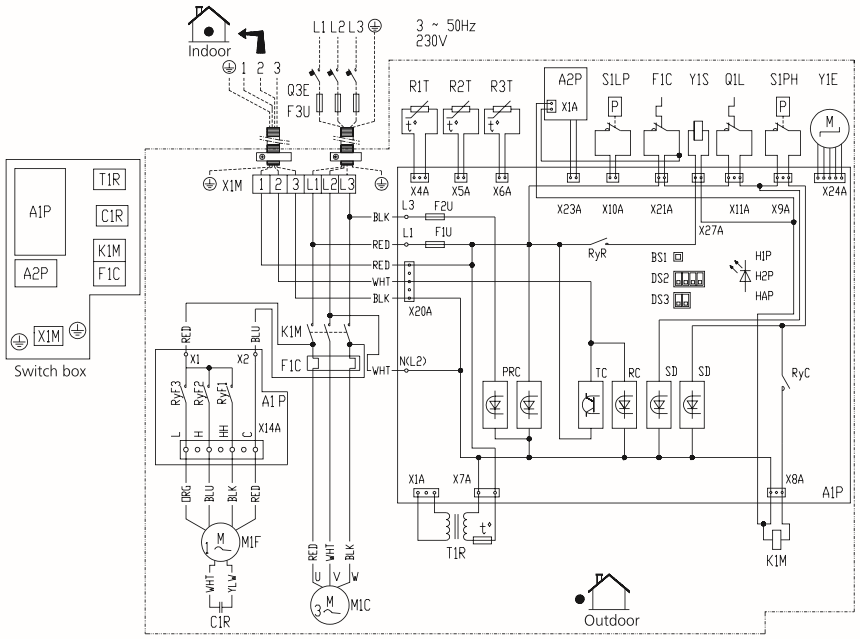
7 Wiring diagrams

RP71B7T1

Note:
Do not operate the unit by short-circuiting S1LP

Field wiring
Terminal
: Connector
: Wire clamp
: Protective earth (screw)
L : Live
N : Neutral

Colours
BLK: Black/ BLU: Blue/ WHT: White/
RED: Red/ ORG: Orange/ YLW:Yellow



L1-RED L2-WHT L3-BLK

A1P,A2P	Printed circuit board	H1P,H2P	Light emitting diode (service monitor red)	R3T	Thermistor (discharge pipe)	TC	Signal transmission circuit
BS1	Push button (pump down)	K1M	Magnetic contactor (M1C)	RC	Signal receiver circuit	X1M	Terminal strip
C1R	Capacitor (M1F)	M1C	Motor (compressor)	RyC	Magnetic relay (K1M)	Y1E	Expansion valve (electronic type)
DS2	Selector switch (various see PCB)	M1F	Motor (fan)	RyF1-3	Magnetic relay (M1F)	Y1S	Solenoid valve
DS3	Selector switch (emergency)	PRC	Phase reverse circuit	RyR	Magnetic relay (Y1S)		
F1C	Overcurrent relay (M1C)	Q1L	Thermo switch (M1F)	S1LP	Pressure switch (low)		
F1U,F2U	Fuse (250V, 5A)	Q3E	Earth leak detector	S1PH	Pressure switch (high)		
F3U	Field fuse	R1T	Thermistor (air)	SD	Safety devices input		
HAP	Light emitting diode (service monitor green)	R2T	Thermistor (coil)	T1R	Transformer (220-240V/16V)		

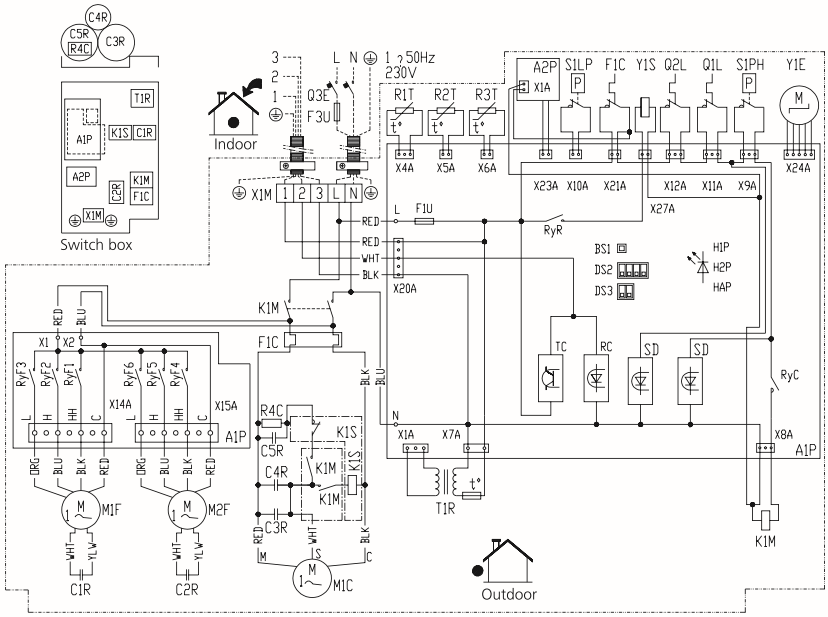
2TW23306-1

RP100B7V1

Note:
Do not operate the unit by short-circuiting S1LP

Field wiring
Terminal
: Connector
: Wire clamp
: Protective earth (screw)
L : Live
N : Neutral

Colours
BLK: Black/ BLU: Blue/ WHT: White/
RED: Red/ ORG: Orange/ YLW:Yellow



L-RED N-BLU

A1P,A2P	Printed circuit board	F3U	Field fuse	R1T	Thermistor (air)	S1PH	Pressure switch (high)
BS1	Push button (pump down)	HAP	Light emitting diode (service monitor green)	R2T	Thermistor (coil)	SD	Safety devices input
C1R,C2R	Capacitor (M1F-M2F)	H1P,H2P	Light emitting diode (service monitor red)	R3T	Thermistor (discharge pipe)	T1R	Transformer (220-240V/16V)
C3R,C4R	Capacitor (M1C)	K1M	Magnetic contactor (M1C)	R4C	Resistor	TC	Signal transmission circuit
C5R	Starting capacitor (M1C)	K1S	Starting contactor (M1C)	RC	Signal receiver circuit	X1M	Terminal strip
DS2	Selector switch (various see PCB)	M1C	Motor (compressor)	RyC	Magnetic relay (K1M)	Y1E	Expansion valve (electronic type)
DS3	Selector switch (emergency)	M1F,M2F	Motor (fan)	RyF1-6	Magnetic relay (M1F-M2F)	Y1S	Solenoid valve
F1C	Overcurrent relay (M1C)	Q1L,Q2L	Thermo switch (M1F, M2F)	RyR	Magnetic relay (Y1S)		
F1U	Fuse (250V, 5A)	Q3E	Earth leak detector	S1LP	Pressure switch (low)		

2TW23336-1

7 Wiring diagrams

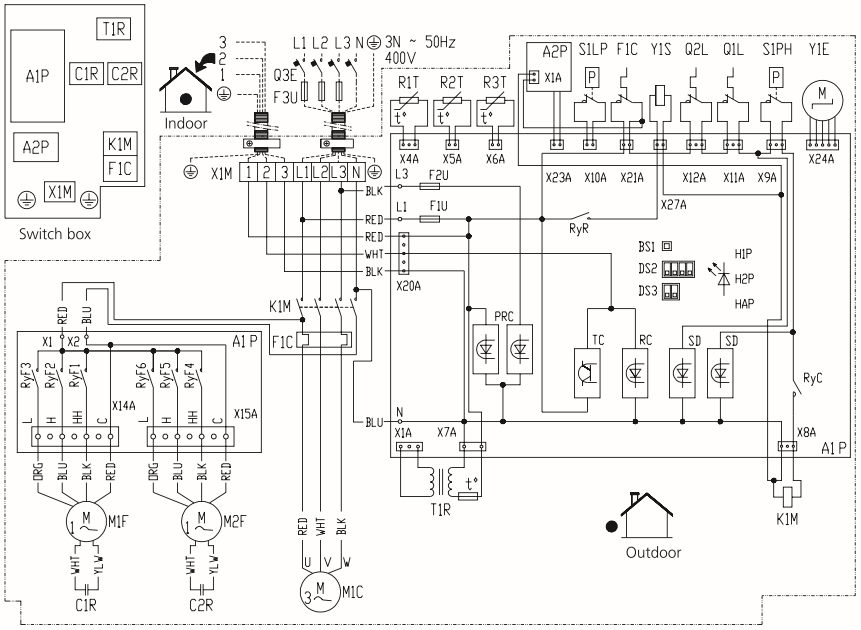
7

RP100-125B7W1

Note:
Do not operate the unit by short-circuiting S1LP

Field wiring
Terminal
: Connector
: Wire clamp
: Protective earth (screw)
L : Live
N : Neutral

Colours
BLK: Black/ BLU: Blue/ WHT: White/
RED: Red/ ORG: Orange/ YLW:Yellow



L1-RED L2-WHT L3-BLK N-BLU

A1P,A2P	Printed circuit board	H1P,H2P	Light emitting diode (service monitor red)	R3T	Thermistor (discharge pipe)	TC	Signal transmission circuit
BS1	Push button (pump down)	K1M	Magnetic contactor (M1C)	RC	Signal receiver circuit	X1M	Terminal strip
C1R,C2R	Capacitor (M1F-M2F)	M1C	Motor (compressor)	RyC	Magnetic relay (K1M)	Y1E	Expansion valve (electronic type)
DS2	Selector switch (various see PCB)	M1F,M2F	Motor (fan)	RyF1-6	Magnetic relay (M1F-M2F)	Y1S	Solenoid valve
DS3	Selector switch (emergency)	PRC	Phase reverse circuit	RyR	Magnetic relay (Y1S)		
F1C	Overcurrent relay (M1C)	Q1L,Q2L	Thermo switch (M1F, M2F)	S1LP	Pressure switch (low)		
F1U,F2U	Fuse (250V, 5A)	Q3E	Earth leak detector	S1PH	Pressure switch (high)		
F3U	Field fuse	R1T	Thermistor (air)	SD	Safety devices input		
HAP	Light emitting diode (service monitor green)	R2T	Thermistor (coil)	T1R	Transformer (220-240V/16V)		

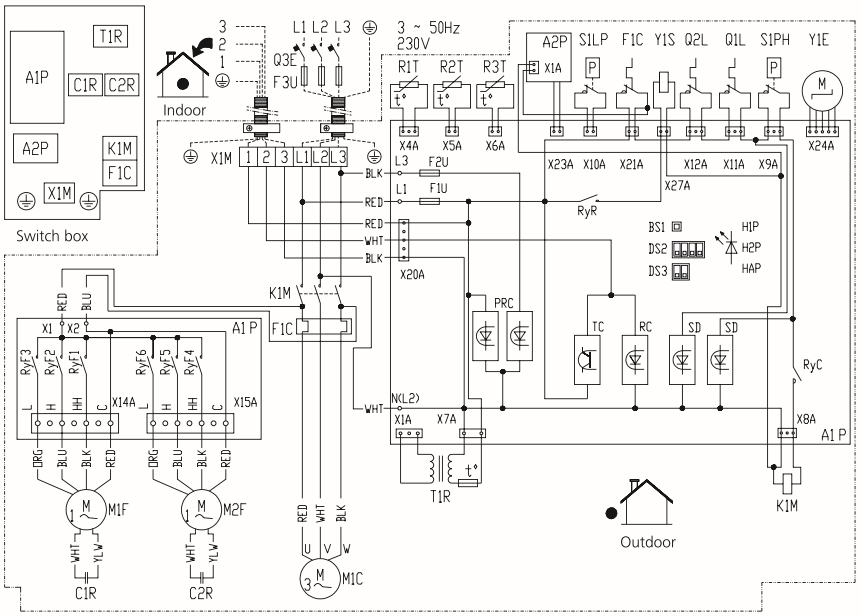
2TW23346-1

RP100-125B7T1

Note:
Do not operate the unit by short-circuiting S1LP

Field wiring
Terminal
: Connector
: Wire clamp
: Protective earth (screw)
L : Live
N : Neutral

Colours
BLK: Black/ BLU: Blue/ WHT: White/
RED: Red/ ORG: Orange/ YLW:Yellow



L1-RED L2-WHT L3-BLK

A1P,A2P	Printed circuit board	H1P,H2P	Light emitting diode (service monitor red)	R3T	Thermistor (discharge pipe)	TC	Signal transmission circuit
BS1	Push button (pump down)	K1M	Magnetic contactor (M1C)	RC	Signal receiver circuit	X1M	Terminal strip
C1R,C2R	Capacitor (M1F-M2F)	M1C	Motor (compressor)	RyC	Magnetic relay (K1M)	Y1E	Expansion valve (electronic type)
DS2	Selector switch (various see PCB)	M1F,M2F	Motor (fan)	RyF1-6	Magnetic relay (M1F-M2F)	Y1S	Solenoid valve
DS3	Selector switch (emergency)	PRC	Phase reverse circuit	RyR	Magnetic relay (Y1S)		
F1C	Overcurrent relay (M1C)	Q1L,Q2L	Thermo switch (M1F, M2F)	S1LP	Pressure switch (low)		
F1U,F2U	Fuse (250V, 5A)	Q3E	Earth leak detector	S1PH	Pressure switch (high)		
F3U	Field fuse	R1T	Thermistor (air)	SD	Safety devices input		
HAP	Light emitting diode (service monitor green)	R2T	Thermistor (coil)	T1R	Transformer (220-240V/16V)		

2TW23356-1

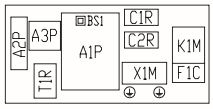
7 Wiring diagrams

RP200-250B7W1

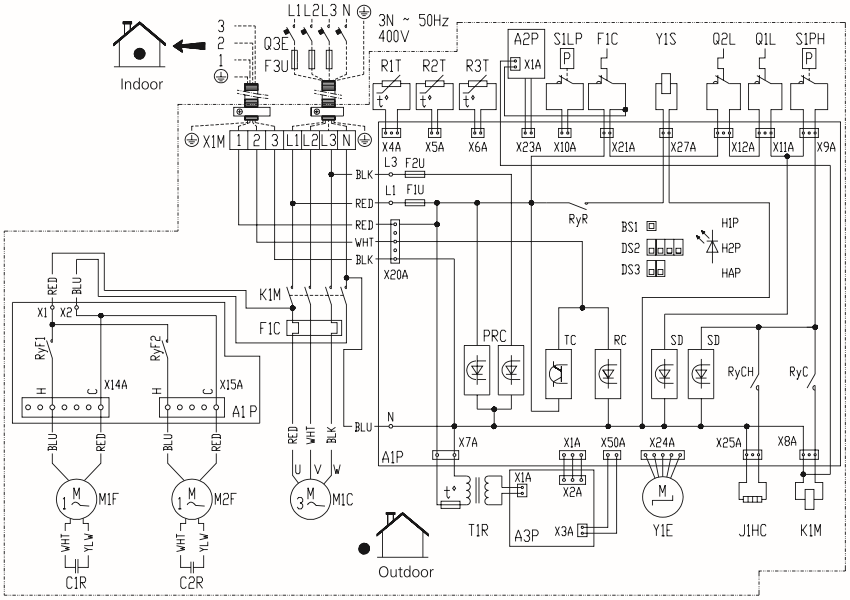
Note:
Do not operate the unit by short-circuiting S1LP

Field wiring
Terminal
: Connector
: Wire clamp
: Protective earth (screw)
L : Live
N : Neutral

Colours
BLK: Black/ BLU: Blue/ WHT: White/
RED: Red/ ORG: Orange/ YLW:Yellow



Switch box



L1-RED L2-WHT L3-BLK N-BLU

A1P,A2P,A3P	Printed circuit board
BS1	Push button (pump down)
C1R,C2R	Capacitor (M1F-M2F)
DS2	Selector switch (various see PCB)
DS3	Selector switch (emergency)
F1C	Overcurrent relay (M1C)
F1U,F2U	Fuse (250V, 5A)
F3U	Field fuse
HAP	Light emitting diode (service monitor green)
H1P,H2P	Light emitting diode (service monitor red)
J1HC	Crankcase heater
K1M	Magnetic contactor (M1C)
M1C	Motor (compressor)
M1F,M2F	Motor (fan)
PRC	Phase reverse circuit
Q1L,Q2L	Thermo switch (M1F, M2F)
Q3E	Earth leak detector
R1T	Thermistor (air)
R2T	Thermistor (coil)
R3T	Thermistor (discharge pipe)
RC	Signal receiver circuit
RyC	Magnetic relay (K1M)
RyCH	Magnetic relay (J1HC)
RyF1-2	Magnetic relay (M1F-M2F)
RyR	Magnetic relay (Y1S)
S1LP	Pressure switch (low)
S1PH	Pressure switch (high)
SD	Safety devices input
T1R	Transformer (220-240V/16V)
TC	Signal transmission circuit
X1M	Terminal strip
Y1E	Expansion valve (electronic type)
Y1S	Solenoid valve

2TW23616-1A

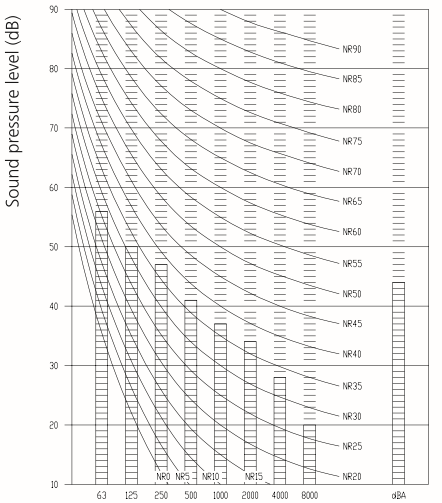
8 Sound level

8-1 Sound level data

Model	Sound pressure level			Sound power level (H)
	230V 50Hz		Measuring location	
	H	L		
R25GZ7	44	–	Location of microphone Outdoor unit  Center	58
R35GZ7	48	–		61
R45GZ7	51	–		64
R60GZ7	55	–		67
RP71B7	50	–		63
RP100B7	53	–		66
RP125B7	53	–		67
RP200B7	56	–		77
RP250B7	56	–		77

8-2 Sound pressure spectrum

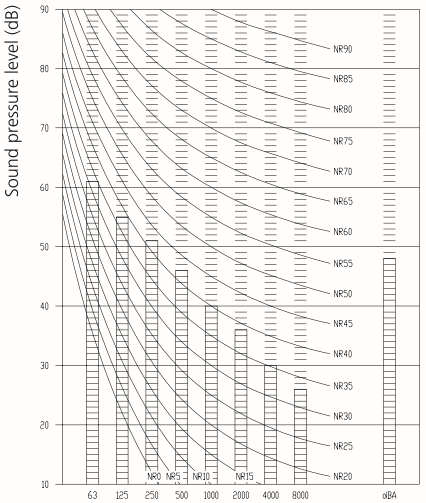
R25GZ7



3TW00877-1A

Octave band center frequency (Hz)

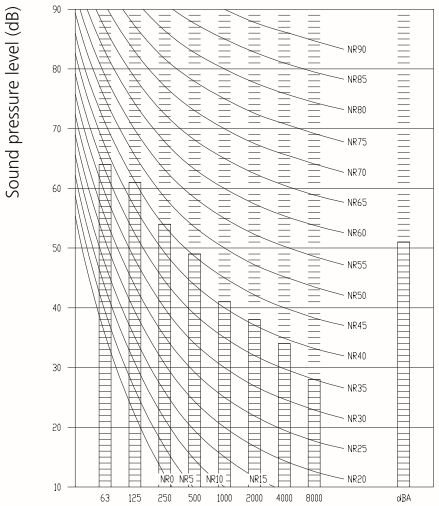
R35GZ7



3TW00907-1A

Octave band center frequency (Hz)

R45GZ7



3TW01927-1

Octave band center frequency (Hz)

Legend

High speed

Low speed

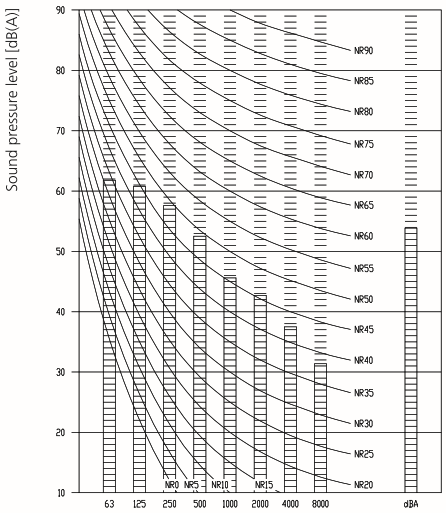
Notes

- Data is valid at free field condition for 230V/50Hz
- Operation sound levels are valid at nominal operation condition
- dBA = A-weighted sound pressure level (A-scale according to IEC)
- Reference acoustic pressure 0dB = 20µPa

8 Sound level

8-2 Sound pressure spectrum

R60GZ7

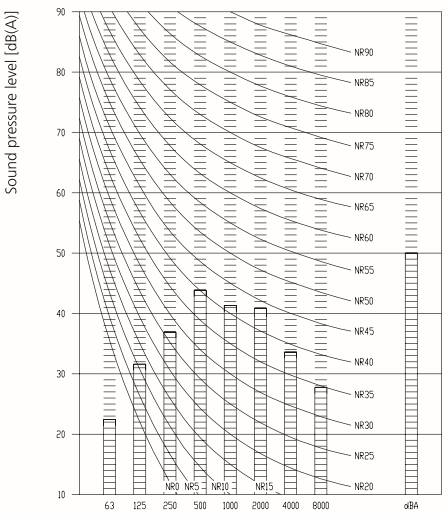


3TW02107-1

Octave band center frequency (Hz)

① 50Hz, 220V
② 50Hz, 240V

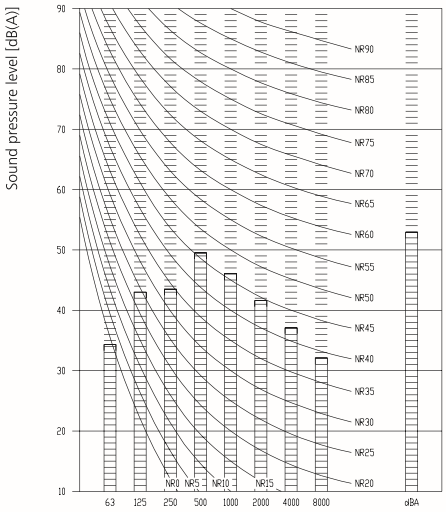
RP71B7



3TW23287-1

Octave band center frequency (Hz)

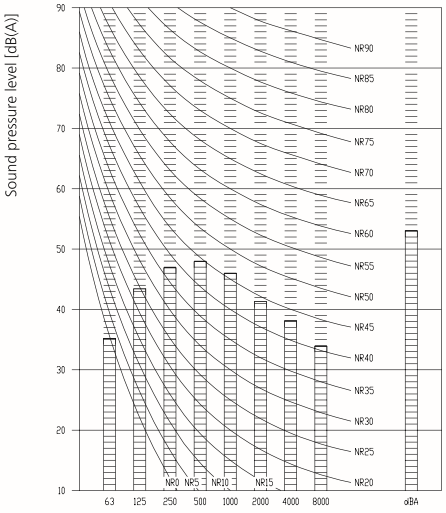
RP100B7



3TW23337-1

Octave band center frequency (Hz)

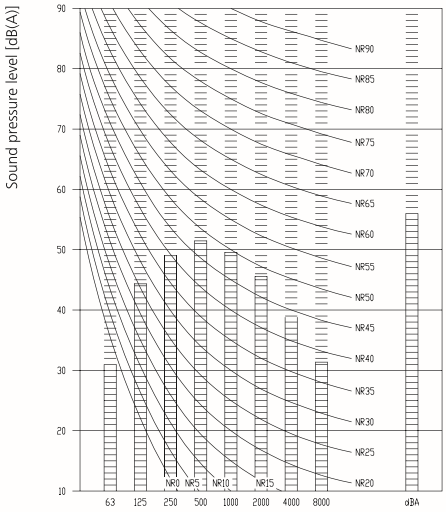
RP125B7



3TW23387-1

Octave band center frequency (Hz)

RP200B7W1



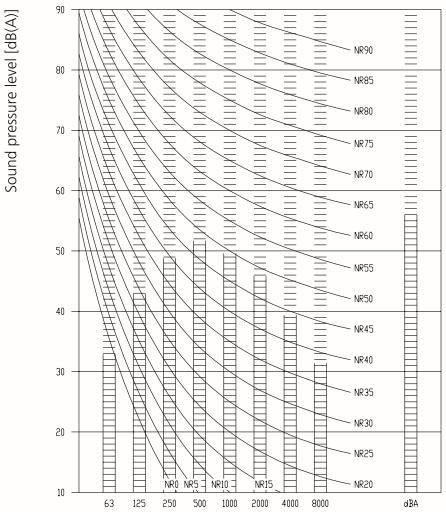
3TW23617-1

Octave band center frequency (Hz)

Notes

- Data is valid at free field condition
- Operation sound levels are valid at nominal operation condition
- dBA = A-weighted sound pressure level (A-scale according to IEC)
- Reference acoustic pressure 0dB = 20µPa

RP250B7



3TW23627-1

Octave band center frequency (Hz)

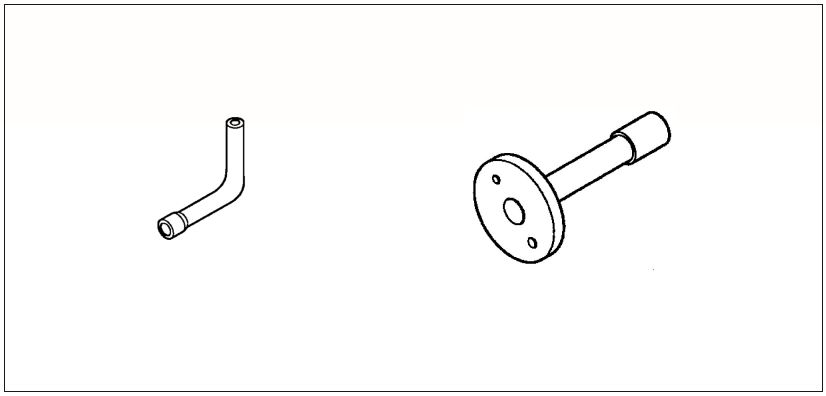
9 Accessories

9-1 Standard accessories

R25-45GZ7: Low ambient temperature kit: KIS111Z7

RP200-205B7

Check if the following accessories (gas pipes) are included with your unit.



9 Accessories

9-2 Optional accessories

R25-35GZ7V11/R45GZ7V11/W11

Description	Option
Drain piping kit - one drain outlet	KIS95

Available options for RP71-125B7(V1,W1,T1)

Name of option		Kit name		
		RP71B7	RP100B7	RP125B7
Central drain plug		KKPJ5F180		
Refrigerant branch piping	Twin	KHRP79BA7		
	Triple	–	KHRP96H7	

3TW23189-1

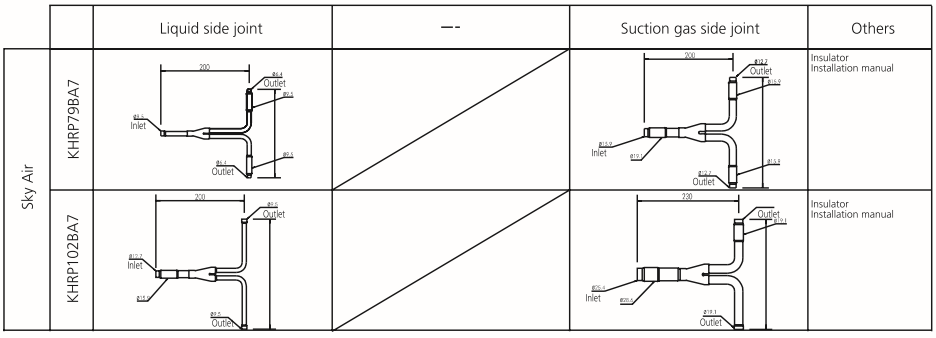
Available options for RP200-250B7W1

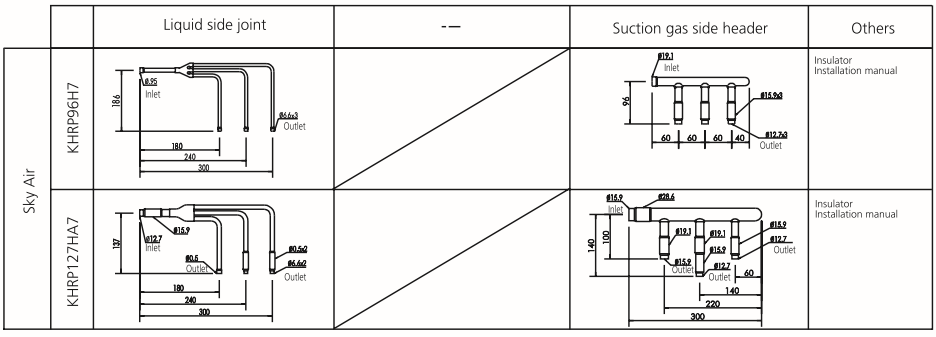
Option	Option name	RP200B7	RP250B7
Fan motor size up	NFM22C5	X	
Fan motor size up	NFM22C10		X
Kit for discharge duct	EKND26A10	X	X
Refnet	KHRP79BA7	Refer to the table with possible indoor combinations*	
Refnet	KHRP102BA7		
Refnet	KHRP127HA7		

3TW23619-2

*Table with possible indoor combinations = combination matrix 3TW23619-1, see chapter RP-B7 (twin / triple / double twin application).

Refnet kits overview





10 Safety device settings

Outdoor units

Model / Safety device	R25GZ7V11	R35GZ7V11	R45GZ7V11	R45GZ7W11	R60GZ7W1
Fan motor Thermal protector	Off 135 ±5°C On 87 ±15°C	Off 145 ±5°C On 75 ±15°C	Off 135 ±5°C On 87 ±15°C	Off 135 ±5°C On 87 ±15°C	Off 135 ±5°C On 86 ±15°C
Compressor Internal protector	–	–	Off 165 ±5°C On 100 ±11°C	~	Off 120 ±5°C On 98 ±11°C
Overload relay	Off 140 ±5°C On 69 ±11°C	Off 150 ±5°C On 69 ±11°C	Off 120 ±3°C On 95 ±10°C	Off 120 ±5°C On 98 ±11°C	~
Overcurrent relay	*Off Minimum 6,7A Maximum 8.7A	*Off Minimum 10,1A Maximum 13.0A	~	Off 5A ±10%	Off 7A ±10%

Note: * shows U/T data (based on air temp. 80°C)

4TW00871-2D

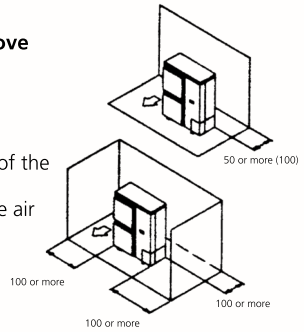
11 Installation

The numerical figures used here represent the dimensions for the models R71 to 125. The figures inside ( ) indicate the dimensions for the models R100 and 125. (Unit:mm)
The figures inside < > indicate the dimension of discharge grille when it is installed facing downward
When installing multiple units in lateral connection, discharge grille cannot be set to discharge air in Left/Right direction

(A) In case obstacles exist in front of the air inlet

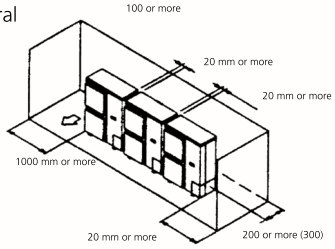
- **Where there are no obstacles above the unit**

1 Installation of single unit
- In case obstacles exist only in front of the air inlet.
- In case obstacles exist in front of the air inlet and on both sides of the unit.



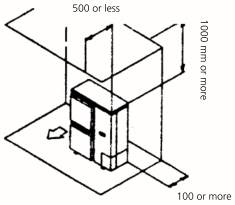
2 Installation of multiple units in lateral connection (2 units or more).

- In case obstacles exist in front of the air inlet and on both sides of the unit.

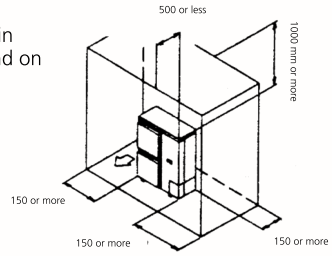


- **Where there are obstacles above the unit.**

1 Installation of single unit
- In case obstacles exist only in front of the air inlet.

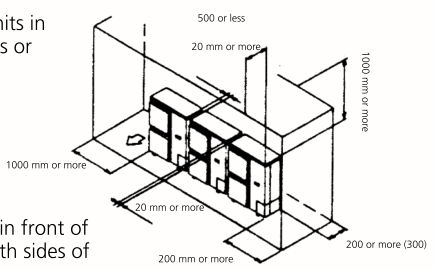


- In case obstacles exist in front of the air inlet and on both sides of the unit.



2 Installation of multiple units in lateral connection (2 units or more).

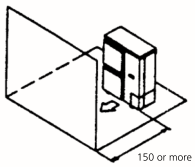
- In case obstacles exist in front of the air inlet and on both sides of the unit.



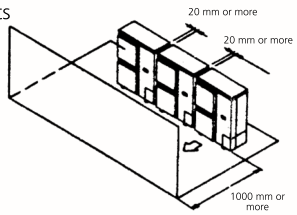
(B) In case obstacles exist only in front of outlet side

- **Where there are no obstacles above the unit.**

1 Installation of single unit
- In case obstacles exist only in front of outlet side.

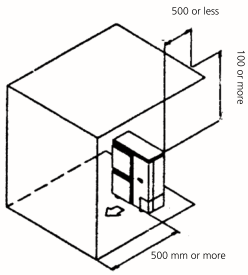


2 Installation of multiple units in lateral connection (2 units or more).



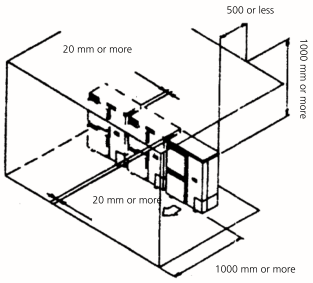
- **Where there are obstacles above the unit.**

1 Installation of single unit
- In case obstacles exist only in front of outlet side.



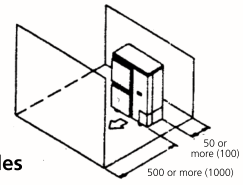
2 Installation of multiple units in lateral connection (2 units or more).

- In case obstacles exist only in front of outlet side.



(C) In case obstacles exist in front of both the air inlet and outlet sides.

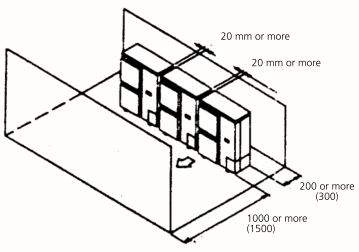
Pattern 1 — Where obstacle in front of the air outlet is higher than the unit.



- **Where there are no obstacles above the unit.**

1 Installation of single unit.

2 Installation of multiple units in lateral connection (2 units or more).



DU427-826

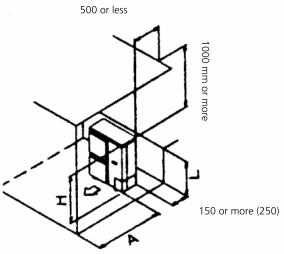
11 Installation

- **Where there are obstacles above the unit.**

1 Installation of single unit.

Relation of dimensions of H, A, and L are shown in the table below.

	L	A
L ≤ H	0 < L ≤ 1/2 H	750<1250>
	1/2 H < L	1000<1500>
H < L	Set the frame to be L<=H	

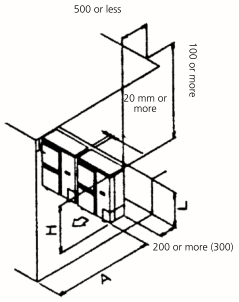


Get the lower part of the frame sealed so that air from the outlet does not bypass

2 Installation of multiple units in lateral connection (2 units or more).

Relation of dimensions of H, A, and L are shown in the table below.

	L	A
L ≤ H	0 < L ≤ 1/2 H	1000<1500>
	1/2 H < L	1250<1750>
H < L	Set the frame to be L<=H	

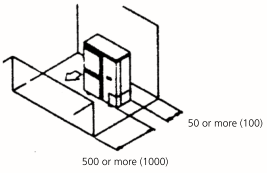


Get the lower part of the frame sealed so that air from the outlet does not bypass
Do not install more than 2 units

Pattern 2 — Where obstacle in front of the air outlet is lower than the unit.

- **Where there are no obstacles above the unit.**

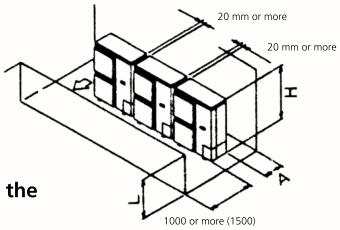
1 Installation of single unit.



2 Installation of multiple units in lateral connection (2 units or more).

Relation of dimensions of H, A, and L are shown in the table below.

L	A
0 < L ≤ 1/2 H	150 (250)
1/2 H < L	200 (300)

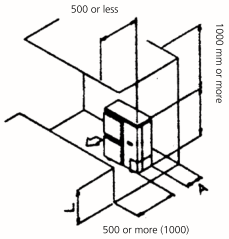


- **Where there are obstacles above the unit.**

1 Installation of single unit.

Relation of dimensions of H, A, and L are shown in the table below.

	L	A
L ≤ H	0 < L ≤ 1/2 H	50 (100)
	1/2 H < L	100 (200)
H < L	Set the frame to be L<=H	

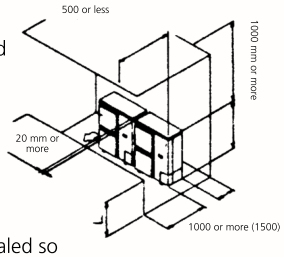


Get the lower part of the frame sealed so that air from the outlet does not bypass

2 Installation of multiple units in lateral connection (2units or less).

Relation of dimensions of H, A, and L are shown in the table below.

	L	A
L ≤ H	0 < L ≤ 1/2 H	150 (250)
	1/2 H < L	200 (300)
H < L	Set the frame to be L<=H	



Get the lower part of the frame sealed so that air from the outlet does not bypass

Do not install more than 2 units

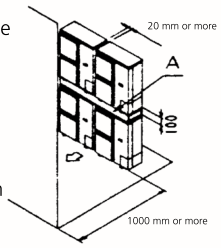
(D) In case of stacked installation

1 In case obstacles exist in front of the outlet side.

Do not stack more than one unit.

About 100mm is required as the dimension for laying the upper outdoor unit's drain pipe.

Get the portion A sealed so that air from the outlet does not bypass.

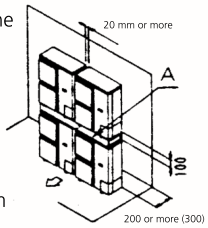


2 In case obstacles exist in front of the air inlet.

Do not stack more than one unit.

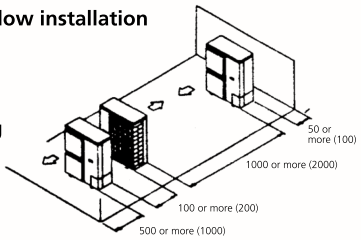
About 100mm is required as the dimension for laying the upper outdoor unit's drain pipe.

Get the portion A sealed so that air from the outlet does not bypass.

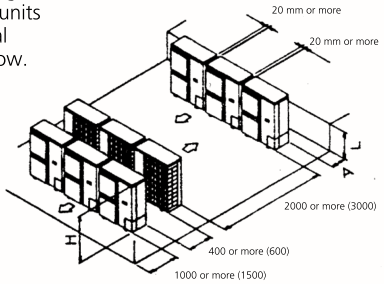


(E) In case of multiple-low installation (for roof top use, etc.).

1 In case of installing one unit per row.



2 In case of installing multiple units (2 units or more) in lateral connection per row.



Relation of dimensions of H, A, and L are shown in the table below.

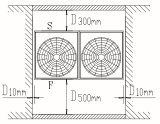
	L	A
L ≤ H	0 < L ≤ 1/2 H	150 (250)
	1/2 H < L	200 (300)
H < L	Installation impossible	

DU427-826

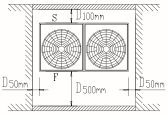
11 Installation

Single installation

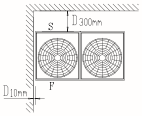
Case 1



Case 2

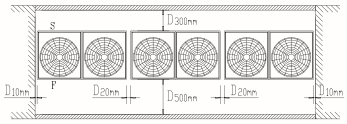


Case 3

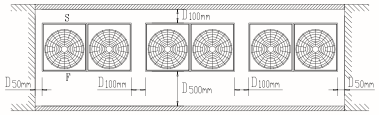


Installation in a row

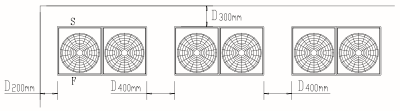
Case 1



Case 2

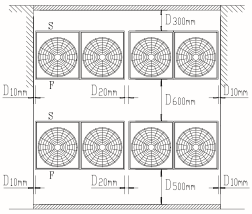


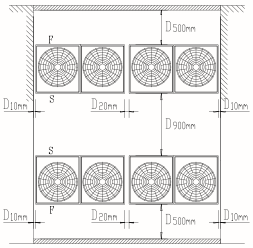
Case 3



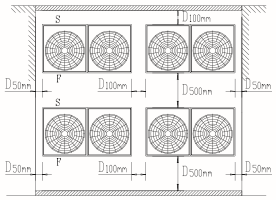
Conentrated installation

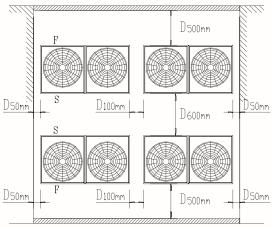
Case 1

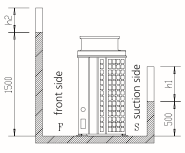




Case 2







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1 Case 1and case 2
- Front wall height is 1500mm
- Suction wall height is 500mm
- Side wall height has no limit
- Case 3 wall height has no limit

2 If the wall is higher than mentioned in note 1: ADO h2/2 (front side) and ANO h1/2 (suction side) to the mentioned values for installation. (h1 and h2: see figure to the left)

3 Before installing, please check the passage of humans and air at the side, and select a place which is suitable for the case. (If there are a lot of units to be installed, take care that there is no shortcircuit of air)

4 Please install considering piping installation at the front side.

11 Installation

Refrigerant pipe size

1. Pair system (fig. 1)

Outdoor unit	Refrigerant pipe size	
	Gas pipe	Liquid pipe
RP200	ϕ 28.8	ϕ 12.7
RP250	ϕ 28.8	ϕ 15.9

Additional charge

The units require additional charging of refrigerant, according to the length of pipe connected at the size.
The correct amount of refrigerant to charge 'G' (kg) can be lound by using the following formulas (If G<O: no addition is required).

1. Pair system

L1 (m) One way length of liquid pipe

RP200	G = (L1-30) • 0.06
RP250	G = (L1-30) • 0.09

Allowable pipe length

See the table below concerning lengths and heights. Refer to the figures. Assume that the longest line in the figure corresponds with the actual longest pipe, and the highest unit in the figure corresponds with the actual highest unit.

Maximum allowable pipe length (figures between parenthesis represent equivalent length)	Pair	L1	50m (70m)
Maximum height between indoor and outdoor	All	H1	30m

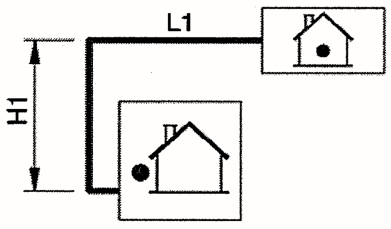

fig. 1: Pair

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