



# technical data

**RP-L7/B7**



**Pair Application**

air conditioning systems

# Split Sky Air

# 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 N.V. 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 N.V. participates in the Eurovent Certification Programme for Air Conditioners (AC), Liquid Chilling Packages (LCP) and Fan Coil Units (FC); the certified data of certified models are listed in the Eurovent Directory.

Specifications are subject to change without prior notice.

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# 1 Features



## 1 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 a scroll compressor, renowned for low noise and high energy efficiency.
- The piping connections can be accessed from underneath, front, side or rear.
- The service valves are hidden inside the casing.
- A special acryl precoated fin for anti-corrosion treatment on the heat exchanger ensures greater resistance against severe weather conditions.



# 2 Specifications



2

TECHNICAL SPECIFICATIONS							
OUTDOOR UNITS			RP71L7V1/W1	RP71B7T1	RP100L7V1/W1	RP100B7T1	
DIMENSIONS	Unit	H	mm	770	860	1,170	1,215
		W	mm	900	880	900	900
		D	mm	320		320	
WEIGHT		kg	79/78	88/85/85	100/99	103/98/98	
MATERIAL	Unit	Painted galvanised steel plate					
COLOUR	Unit	Ivory white					
SOUND LEVEL	Sound pressure (1)	high	dB(A)	50		53	
	Sound power (2)	high	dB(A)	63		66	
FAN	Air flow rate	high	m <sup>3</sup> /min	48	51	55	94
	Speed	steps		3 steps			
		high	rpm	-	-	-	-
	Qty x model			1xP47L11S		2xP47L11S	
Qty x motor output	W		1 x 65	1 x 80	1 x 55	85 + 65	
HEAT EXCHANGER	Type			Hi-XSS cooling tube, non sym. waffle fin	Hi-XA U-cooling tube, non symm. waffle louvre	Hi-XSS cooling tube, non sym. waffle fin	Hi-XA U-cooling tube, non symm. waffle louvre
	Rows x stages x fin pitch	mm		2 x 34 x 2.0	2 x 38 x 2.0	2 x 52 x 2.0	2 x 54 x 2.0
	Face area	m <sup>2</sup>		0.634	0.719	0.983	1,022
REFRIGERANT CIRCUIT	Refrigerant type	R-407C					
	Refrigerant charge	kg		2.8	3.1	3.7	3.6
	Minimum/maximum allowable distance between indoor and outdoor	m		5/70	70 For connection with EKRPER: 50 m, (70 m equivalent)	5/70	70 For connection with EKRPER: 50 m, (70 m equivalent)
	Additional refrigerant charge	g/m		Please refer to item 12 'Installation' of this chapter	25 g/m for total piping length > 30 m	Please refer to item 12 'Installation' of this chapter	25 g/m for total piping length > 30 m
	Maximum allowable level difference	m		30			
Refrigerant control	Expansion valve (electronic type)						
COMPRESSOR	Type	Hermetically sealed scroll type					
	Qty x model			1 x JT90FA-V1N	1 x JT90FA-V1N 1 x JT90FA-YE 1 x JT90FA-T1	1 x JT125FA-V1N	1 x JT125FA-V1N 1 x JT125FA-YE 1 x JT125FA-T1
	Motor output x no	W		2,200 x 1	2,200 x 1	3,000 x 1	3,000 x 1
	Oil type	DAPHNE FVC68D					
Oil charge volume	ℓ		1,200	1,200	1,500		
PIPING CONNECTIONS		liquid	mm	Φ9.5			
		gas	mm	Φ15.9		Φ19.1	
		drain	mm	Φ26 x 3	26	Φ26 x 3	
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					

3TW25161-1B  
3TW25211-1B  
3TW25171-1A  
3TW25221-1A  
3TW25231-1A

# 2 Specifications



2

TECHNICAL SPECIFICATIONS							
OUTDOOR UNITS			RP125L7W1	RP125B7T1	RP200B7W1	RP250B7W1	
DIMENSIONS	Unit	H	mm	1,170	1,215	1,220	1,440
		W	mm	900	880	1,290	
		D	mm	320		700	
WEIGHT		kg	104	100	194	206	
MATERIAL	Unit	Painted galvanised steel plate					
COLOUR	Unit	Ivory white					
SOUND LEVEL	Sound pressure (1)	high	dB(A)	53		56	
	Sound power (2)	high	dB(A)	67		77	
FAN	Air flow rate	high	m <sup>3</sup> /min	89	94	170	175
	Speed	steps		3 steps		1 step	
		high	rpm	-	-	-	-
	Qty x model			2 x P47L11S		1 x P55J11F	
Qty x motor output	W		85 + 65	1 x (80 + 85)	1 x (230 + 190)	1 x (230 + 140)	
HEAT EXCHANGER	Type			Hi-XSS cooling tube, non sym. waffle fin	Hi-XA U-cooling tube, non symm. waffle louvre		
	Rows x stages x fin pitch	mm		2 x 52 x 2.0	2 x 54 x 2.0	2 x 40 x 2	2 x 50 x 2
	Face area	m <sup>2</sup>		0.983	1,022	1.57	1.97
REFRIGERANT CIRCUIT	Refrigerant type	R-407C					
	Refrigerant charge	kg		3.7	3.9	7.5	9.2
	Minimum/maximum allowable distance between indoor and outdoor	m		5/70	70 For connection with EKRPER: 50 m, (70 m equivalent)	50 (70m equivalent)	
	Additional refrigerant charge	g/m		Please refer to item 12 'Installation' of this chapter	25 g/m for total piping length > 30 m	60 g/m for total piping length > 30 m	90 g/m for total piping length > 30 m
	Maximum allowable level difference	m		30			
Refrigerant control				Expansion valve (electronic type)		Expansion valve	
COMPRESSOR	Type	Hermetically sealed scroll type					
	Qty x model			1 x JT60FA-YE	1 x JT160FA-YE 1 x JT160FA-T1	1 x JT236DA-YE@2	1 x JT300DA-YE@2
	Motor output x no	W		3,750 x 1	3,750 x 1	5,500 x 1	7,500 x 1
	Oil type	DAPHNE*PVC68D					
	Oil charge volume	ℓ		1,500	1,500	4,000	
Crankcase heater	W		-	-	50	72	
PIPING CONNECTIONS		liquid	mm	Φ9.5		Φ12.7 x 0.90	Φ15.9 x 0.95
		gas	mm	Φ19.1		Φ28.60 x 1.15	
		drain	mm	Φ26 x 3		Φ26 x 6	
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					

3TW23351-1  
3TW23391-1  
3TW23611-1A  
3TW23621-1A

## 2 Specifications



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ELECTRICAL SPECIFICATIONS				RP71L7V1/W1	RP71B7T1	RP100L7V1/W1	RP100B7T1
OUTDOOR UNITS							
CURRENT	Nominal running current	cooling/heating	A	Please refer to electrical data			
	Max. running current	cooling/heating	A	Please refer to electrical data			
	Starting current	cooling/heating	A	Please refer to electrical data			
POWER SUPPLY				V1/W1	T1	W1	V1/W1/T1
NOMINAL DISTRIBUTION SYSTEM VOLTAGE	Phase			1~/3N~	3~	3N~	1~/3N~/3~
	Frequency	Hz		50	50	50	50
	Voltage	V		230/400	230	400	230

ELECTRICAL SPECIFICATIONS				RP125L7W1	RP125B7W1/T1	RP200B7W1	RP250B7W1
OUTDOOR UNITS							
CURRENT	Nominal running current	cooling/heating	A	Please refer to electrical data			
	Max. running current	cooling/heating	A	Please refer to electrical data			
	Starting current	cooling/heating	A	Please refer to electrical data			
POWER SUPPLY				W1	W1/T1	W1	W1
NOMINAL DISTRIBUTION SYSTEM VOLTAGE	Phase			3N~	3N~/3~	3N~	3N~
	Frequency	Hz		50	50	50	50
	Voltage	V		400	400/230	400	400

### NOTES

- 1 The sound pressure level is measured in an anechoic room at 1m 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.

# 2 Specifications



## 2 ELECTRICAL DATA

### RP71L7V1/W1-RP71B7T1

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	RP71L7V1	50-230	Max. 50Hz-264V Min. 50Hz-198V	15.1	23.2	32	72	11.1	0.065	0.6	0.045	0.6
FUYP71	RP71L7V1	50-230		15.0	23.2	32	72	11.0	0.065	0.6	0.045	0.6
FHYP71	RP71L7V1	50-230		15.0	23.2	32	72	11.0	0.065	0.6	0.062	0.6
FHYKP71	RP71L7V1	50-230		14.6	23.1	32	72	10.8	0.065	0.6	0.045	0.5
FAYP71	RP71L7V1	50/230		14.5	22.9	32	72	10.9	0.065	0.6	0.046	0.3
FHYBP71	RP71L7V1	50-230		15.1	23.5	32	72	10.9	0.065	0.6	0.125	0.9
FDYMP71	RP71L7V1	50-230		15.1	23.5	32	72	10.9	0.065	0.6	0.125	0.9
FHYCP71	RP71L7W1	50-400/230	Max. 50Hz-440/253V Min. 50Hz-360/197V	6.6	11.2	16	37	4.3	0.065	0.6	0.045	0.6
FUYP71	RP71L7W1	50-400/230		6.6	11.2	16	37	4.3	0.065	0.6	0.045	0.6
FHYP71	RP71L7W1	50-400/230		6.6	11.2	16	37	4.3	0.065	0.6	0.062	0.6
FHYKP71	RP71L7W1	50-400/230		6.4	11.1	16	37	4.2	0.065	0.6	0.045	0.5
FAYP71	RP71L7W1	50-400/230		6.3	10.9	16	37	4.3	0.065	0.6	0.046	0.3
FHYBP71	RP71L7W1	50-400/230		6.8	11.5	16	37	4.2	0.065	0.6	0.125	0.9
FDYMP71	RP71L7W1	50-400/230		6.8	11.5	16	37	4.2	0.065	0.6	0.125	0.9
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

3TW25169-2  
3TW23189-2A

### 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
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/19.5°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  
 $MCA = 1.25 \times RLA + \text{all FLA, MFA} < 2.25 \times RLA + \text{all FLA}$  (next lower standard fuse rating Min. 16A)
6. Select wire size based on the larger value of MCA or TOCA
7. Instead of fuse, use circuit breaker
8. For more details concerning conditional connections, see <http://www.daikineurope.com/extranet>, select "Daikin Documentation" and select "conditional connection", "the requested product type" and "English" from the drop down lists, click the search button.  
Finally, click on the document title of your choice.



# 2 Specifications



## ELECTRICAL DATA

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### RP100L7V1W1-RP100B7T1

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	RP100L7V1	50-230	Max. 50Hz-264V Min. 50Hz-198V		22.7	34.8	40	97	16.7	0.090	0.8	0.090	1.0
FUYP100	RP100L7V1	50-230			22.4	34.8	40	97	16.5	0.090	0.8	0.090	1.0
FHYP100	RP100L7V1	50-230			22.5	34.5	40	97	16.8	0.090	0.8	0.130	0.7
FAYP100	RP100L7V1	50-230			21.7	34.2	40	97	16.4	0.090	0.8	0.049	0.4
FHYBP100	RP100L7V1	50-230			22.6	34.8	40	97	16.6	0.090	0.8	0.135	1.0
FDYMP100	RP100L7V1	50-230			22.4	34.8	40	97	16.5	0.090	0.8	0.135	1.0
FHYCP100	RP100L7W1	50-400/230	Max. 50Hz-440/253V Min. 50Hz-360/197V		9.2	11.8	16	47	5.9	0.090	0.8	0.090	1.0
FUYP100	RP100L7W1	50-400/230			9.4	11.8	16	47	6.1	0.090	0.8	0.090	1.0
FHYP100	RP100L7W1	50-400/230			9.3	11.5	16	47	6.2	0.090	0.8	0.130	0.7
FAYP100	RP100L7W1	50-400/230			8.7	11.2	16	47	6.0	0.090	0.8	0.049	0.4
FHYBP100	RP100L7W1	50-400/230			9.3	11.8	16	47	6.0	0.090	0.8	0.135	1.0
FDYMP100	RP100L7W1	50-400/230			9.4	11.8	16	47	6.1	0.090	0.8	0.135	1.0
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

3TW25179-2  
3TW23229-2A

### 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
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/19.5°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  
 $MCA = 1.25 \times RLA + \text{all FLA}$ ,  $MFA = < 2.25 \times RLA + \text{all FLA}$  (next lower standard fuse rating Min. 16A)
6. Select wire size based on the larger value of MCA or TOCA
7. Instead of fuse, use circuit breaker
8. For more details concerning conditional connections, see <http://www.daikineurope.com/extranet>, select "Daikin Documentation" and select "conditional connection", "the requested product type" and "English" from the drop down lists, click the search button.  
Finally, click on the document title of your choice.

# 2 Specifications



## 2

### ELECTRICAL DATA

#### RP125L7W1-RP25B7T1

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	RP125L7W1	50-400/230	Max. 50Hz-440/253V Min. 50Hz-360/197V	11.6	15.3	20	59	7.4	0.065 + 0.085	0.6 + 0.7	0.09	1.0
FUYP125	RP125L7W1	50-400/230		11.6	15.3	20	59	7.4	0.065 + 0.085	0.6 + 0.7	0.09	1.0
FHYP125	RP125L7W1	50-400/230		11.4	15.0	20	59	7.5	0.065 + 0.085	0.6 + 0.7	0.13	0.7
FHYBP125	RP125L7W1	50-400/230		12.1	15.7	20	59	7.5	0.065 + 0.085	0.6 + 0.7	0.225	1.4
FDYMP125	RP125L7W1	50-400/230		12.1	15.7	20	59	7.5	0.065 + 0.085	0.6 + 0.7	0.225	1.4
FDYP125	RP125L7W1	50-400/230		14.9	18.5	20	59	7.5	0.065 + 0.085	0.6 + 0.7	0.5	4.2
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

3TW25239-2  
3TW23269-2

#### RP200-250B7W1

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 (Outdoor)	16 (Indoor)	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 (Outdoor)	16 (Indoor)	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
- 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/19.5°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 + all FLA, MFA = < 2.25 x RLA + all FLA (next lower standard fuse rating Min. 16A)
6. Select wire size based on the larger value of MCA or TOCA
7. Instead of fuse, use circuit breaker
8. For more details concerning conditional connections, see <http://www.daikineurope.com/extranet>, select "Daikin Documentation" and select "conditional connection", "the requested product type" and "English" from the drop down lists, click the search button.  
Finally, click on the document title of your choice.

# 3 Capacity tables



**FHYKP71BV1 + RP71L7V1  
RP71L7W1**

**Cooling capacity**

**V1/T1: 230V [50Hz]  
W1: 400V [50Hz]**

Outdoor	Indoor		Outdoor temperature (°CDB)																	
	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	1.79	6.1	4.8	2.05	5.7	4.7	2.22	5.5	4.6	2.39	5.3	4.5	2.65	4.9	4.2	2.90
	14.0	20.0	6.6	4.9	1.88	6.5	4.8	2.13	6.0	4.7	2.30	5.9	4.6	2.39	5.5	4.5	2.65	5.3	4.2	2.90
	16.0	22.0	7.2	5.0	1.88	7.0	4.9	2.13	6.5	4.8	2.30	6.3	4.7	2.47	6.0	4.6	2.73	5.5	4.3	2.99
	18.0	25.0	7.7	5.2	1.96	7.5	5.0	2.13	7.2	4.9	2.39	6.8	4.8	2.56	6.4	4.6	2.73	6.0	4.5	3.07
	19.0	27.0	8.0	5.3	1.96	7.7	5.2	2.13	7.3	5.0	2.39	7.1	4.8	2.56	6.6	4.7	2.82	6.2	4.6	3.07
	19.5	27.0	8.0	5.3	1.96	7.9	5.2	2.13	7.4	5.0	2.39	7.2	4.8	2.56	6.7	4.7	2.82	6.3	4.6	3.07
	22.0	30.0	8.7	5.4	2.05	8.5	5.3	2.22	8.0	5.2	2.47	7.9	4.9	2.65	7.4	4.8	2.82	6.8	4.6	3.16
	24.0	32.0	9.4	5.4	2.05	9.1	5.3	2.22	8.6	5.2	2.56	8.4	5.0	2.65	8.0	4.8	2.90	7.4	4.6	3.24

3TW25162-7A

**FHYKP71BV1 + RP71B7W1  
RP71B7V1**

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

**Caution:**  
TC and SHC are shown by kW

**NOTES**

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

Model		FHYKP
71	AFR	17
	BF	0.07

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

Model	Supply	FHYKP
71	V1	0.07
	W1	0
	T1	0

# 3 Capacity tables



## 3

FAYP71-100BV1 + RP71-100L7V1  
RP71-100L7W1

Cooling capacity

V1/T1: 230V [50Hz]  
W1: 400V [50Hz]

Outdoor	Indoor		Outdoor temperature (°CDB)																	
	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	1.78	6.1	4.8	2.03	5.7	4.7	2.20	5.5	4.6	2.37	5.3	4.5	2.62	4.9	4.2	2.88
	14.0	20.0	6.6	4.9	1.86	6.5	4.8	2.12	6.0	4.7	2.29	5.9	4.6	2.37	5.5	4.5	2.62	5.3	4.2	2.88
	16.0	22.0	7.2	5.0	1.86	7.0	4.9	2.12	6.5	4.8	2.29	6.3	4.7	2.46	6.0	4.6	2.71	5.5	4.3	2.96
	18.0	25.0	7.7	5.2	1.95	7.5	5.0	2.12	7.2	4.9	2.37	6.8	4.8	2.54	6.4	4.6	2.71	6.0	4.5	3.05
	19.0	27.0	8.0	5.3	1.95	7.7	5.2	2.12	7.3	5.0	2.37	7.1	4.8	2.54	6.6	4.7	2.79	6.2	4.6	3.05
	19.5	27.0	8.0	5.3	1.95	7.9	5.2	2.12	7.4	5.0	2.37	7.2	4.8	2.54	6.7	4.7	2.79	6.3	4.6	3.05
	22.0	30.0	8.7	5.4	2.03	8.5	5.3	2.20	8.0	5.2	2.46	7.9	4.9	2.62	7.4	4.8	2.79	6.8	4.6	3.13
	24.0	32.0	9.4	5.4	2.03	9.1	5.3	2.20	8.6	5.2	2.54	8.4	5.0	2.62	8.0	4.8	2.88	7.4	4.6	3.22
100	12.0	18.0	8.4	7.2	2.60	8.3	7.1	2.79	8.1	6.9	3.18	7.8	6.8	3.37	7.5	6.4	3.76	6.9	6.2	4.14
	14.0	20.0	8.9	7.2	2.70	8.8	7.1	2.79	8.7	6.9	3.18	8.4	6.8	3.37	7.8	6.4	3.76	7.5	6.2	4.14
	16.0	22.0	10.1	7.3	2.70	9.8	7.2	2.89	9.1	7.0	3.28	8.9	6.9	3.47	8.5	6.5	3.85	7.8	6.3	4.24
	18.0	25.0	10.8	7.6	2.70	10.5	7.5	2.89	9.8	7.1	3.28	9.6	7.0	3.47	9.0	6.8	3.85	8.4	6.4	4.34
	19.0	27.0	11.1	7.7	2.70	10.8	7.6	2.99	10.1	7.2	3.37	10.0	7.1	3.56	9.4	6.9	3.95	8.7	6.5	4.43
	19.5	27.0	11.2	7.7	2.70	11.0	7.6	2.99	10.3	7.2	3.37	10.1	7.1	3.56	9.5	6.9	3.95	8.8	6.5	4.43
	22.0	30.0	12.2	7.8	2.79	11.8	7.7	2.99	11.2	7.3	3.47	11.0	7.2	3.66	10.4	7.1	4.05	9.6	6.8	4.43
	24.0	32.0	13.0	7.9	2.89	12.7	7.8	3.08	11.9	7.5	3.56	11.6	7.3	3.76	11.1	7.2	4.14	10.3	6.9	4.53

3TW25162-6A

### SYMBOLS

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

**Caution:**  
TC and SHC are shown by kW

### NOTES

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

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

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

Model	Supply	FAYP
71	V1	0.06
	W1	0
100	V1	0.06
	W1	0
	T1	0

# 3 Capacity tables



## FAYP100BV1 + RP100B7T1

### Cooling capacity

3

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	4.9	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 <sup>3</sup> /min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°CWB)
EDB:	Entering dry bulb temp.	(°CDB)
DB*:	Dry bulb temp.	(°CDB)
TC:	Total cooling capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input	(kW)
	(comp.+indoor+outdoor fan motor)	

**Caution:**  
TC and SHC are shown by kW

### NOTES

- Ratings shown are net capacities. Influence of fan motor heat is included.
- Shows nominal capacities
- SHC is based on each EWB and EDB  
 $SHC^* = SHC \text{ correction for other dry bulb}$   
 $= 0.29 \times 60 \times AFR \text{ (m}^3\text{/min)} \times (1-BF) \times (DB^*-EDB)/860$   
 Add SHC\* to SHC if SHC > TC, then TC equal SHC
- Direct interpolation is permissible. Do not extrapolate.
- Capacities are based on following conditions:  
 Corresponding refrigerant piping length: 7.5 m  
 Level difference: 0 m
- Air flow rate and BF are tabulated below.

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

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

Model	Supply	FAYP
71	V1	0.06
	W1	0
100	V1	0.06
	W1	0
	T1	0

# 3 Capacity tables



3

FHYCP71-125B7V1 + RP71-100L7V1  
RP71-125L7W1

Cooling capacity

V1/T1: 230V [50Hz]  
W1: 400V [50Hz]

Outdoor	Indoor		Outdoor temperature (°CDB)																	
	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	1.86	6.1	4.7	2.13	5.7	4.6	2.31	5.5	4.5	2.48	5.3	4.4	2.75	4.9	4.1	3.01
	14.0	20.0	6.6	4.8	1.95	6.5	4.7	2.22	6.0	4.6	2.39	5.9	4.5	2.48	5.5	4.4	2.75	5.3	4.1	3.01
	16.0	22.0	7.2	4.9	1.95	7.0	4.8	2.22	6.5	4.7	2.39	6.3	4.6	2.57	6.0	4.5	2.84	5.5	4.2	3.10
	18.0	25.0	7.7	5.1	2.04	7.5	4.9	2.22	7.2	4.8	2.48	6.8	4.7	2.66	6.4	4.5	2.84	6.0	4.4	3.19
	19.0	27.0	8.0	5.2	2.04	7.7	5.1	2.22	7.3	4.9	2.48	7.1	4.7	2.66	6.6	4.6	2.93	6.2	4.5	3.19
	19.5	27.0	8.0	5.2	2.04	7.9	5.1	2.22	7.4	4.9	2.48	7.2	4.7	2.66	6.7	4.6	2.93	6.3	4.5	3.19
	22.0	30.0	8.7	5.3	2.13	8.5	5.2	2.31	8.0	5.1	2.57	7.9	4.8	2.75	7.4	4.7	2.93	6.8	4.5	3.28
24.0	32.0	9.4	5.3	2.13	9.1	5.2	2.31	8.6	5.1	2.66	8.4	4.9	2.75	8.0	4.7	3.01	7.4	4.5	3.37	
100	12.0	18.0	8.4	7.0	2.60	8.3	6.9	2.79	8.1	6.7	3.18	7.8	6.6	3.37	7.5	6.2	3.75	6.9	6.0	4.14
	14.0	20.0	8.9	7.0	2.69	8.8	6.9	2.79	8.7	6.7	3.18	8.4	6.6	3.37	7.8	6.2	3.75	7.5	6.0	4.14
	16.0	22.0	10.1	7.1	2.69	9.8	7.0	2.89	9.1	6.8	3.27	8.9	6.7	3.46	8.5	6.3	3.85	7.8	6.1	4.23
	18.0	25.0	10.8	7.4	2.69	10.5	7.3	2.89	9.8	6.9	3.27	9.6	6.8	3.46	9.0	6.6	3.85	8.4	6.2	4.33
	19.0	27.0	11.1	7.5	2.69	10.8	7.4	2.98	10.1	7.0	3.37	10.0	6.9	3.56	9.4	6.7	3.94	8.7	6.3	4.43
	19.5	27.0	11.2	7.5	2.69	11.0	7.4	2.98	10.3	7.0	3.37	10.1	6.9	3.56	9.5	6.7	3.94	8.8	6.3	4.43
	22.0	30.0	12.2	7.6	2.79	11.8	7.5	2.98	11.2	7.1	3.46	11.0	7.0	3.66	10.4	6.9	4.04	9.6	6.6	4.43
24.0	32.0	13.0	7.7	2.89	12.7	7.6	3.08	11.9	7.3	3.56	11.6	7.1	3.75	11.1	7.0	4.14	10.3	6.7	4.52	
125	12.0	18.0	11.1	9.1	3.37	10.8	8.8	3.67	10.0	8.3	3.97	9.7	8.2	4.26	9.2	8.0	4.66	8.6	7.6	5.35
	14.0	20.0	11.8	9.1	3.47	11.4	8.8	3.67	10.7	8.3	4.06	10.4	8.2	4.36	9.8	8.0	4.76	9.2	7.6	5.35
	16.0	22.0	12.7	9.2	3.47	12.1	8.9	3.77	11.4	8.4	4.06	11.1	8.3	4.46	10.4	8.1	4.86	9.7	7.7	5.45
	18.0	25.0	13.3	9.5	3.57	13.0	9.1	3.77	12.1	8.7	4.16	11.8	8.6	4.56	11.2	8.3	4.96	10.4	8.0	5.45
	19.0	27.0	13.6	9.6	3.67	13.3	9.1	3.87	12.7	8.8	4.26	12.2	8.6	4.56	11.5	8.4	5.06	10.8	8.1	5.55
	19.5	27.0	13.8	9.6	3.67	13.5	9.1	3.87	12.8	8.8	4.26	12.4	8.7	4.56	11.7	8.4	5.06	11.0	8.1	5.55
	22.0	30.0	15.1	9.7	3.77	14.6	9.4	3.87	13.7	9.0	4.36	13.4	8.9	4.66	12.9	8.7	5.15	12.0	8.3	5.75
24.0	32.0	15.9	9.8	3.77	15.5	9.5	3.97	14.6	9.1	4.46	14.3	9.0	4.76	13.6	8.8	5.25	12.9	8.6	5.85	

3TW25162-1A

### SYMBOLS

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

**Caution:**  
TC and SHC are shown by kW

### NOTES

1. Ratings shown are net capacities. Influence of fan motor heat is included.
2.   Shows nominal capacities
3. SHC is based on each EWB and EDB  
SHC\* = SHC correction for other dry bulb  
= 0.29 x 60 x AFR (m<sup>3</sup>/min) x (1-BF) 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 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	0.06
	W1	0.00
	T1	0.00
100	V1	0.27
	W1	0.00
	T1	0.00
125	W1	0.00
	T1	0.00

# 3 Capacity tables



## FHYCP71-125B7V1 + RP71-125B7T1

### Cooling capacity

3

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	1.81	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 <sup>3</sup> /min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°CWB)
EDB:	Entering dry bulb temp.	(°CDB)
DB*:	Dry bulb temp.	(°CDB)
TC:	Total cooling capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input	(kW)
	(comp.+indoor+outdoor fan motor)	

**Caution:**  
TC and SHC are shown by kW

### NOTES

- Ratings shown are net capacities. Influence of fan motor heat is included.
- Shows nominal capacities
- SHC is based on each EWB and EDB  
 $SHC^* = SHC \text{ correction for other dry bulb}$   
 $= 0.29 \times 60 \times AFR \text{ (m}^3\text{/min)} \times (1-BF) \times (DB^*-EDB)/860$   
 Add SHC\* to SHC if SHC > TC, then TC equal SHC
- Direct interpolation is permissible. Do not extrapolate.
- Capacities are based on following conditions:  
 Corresponding refrigerant piping length: 7.5 m  
 Level difference: 0 m
- 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

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

Model	Supply	FHYCP
71	V1	0.06
	W1	0.00
	T1	0.00
100	V1	0.27
	W1	0.00
	T1	0.00
125	W1	0.00
	T1	0.00

# 3 Capacity tables



## 3

FHYBP71-125B7V1 + RP71-100L7V1  
RP71-125L7W1

Cooling capacity

V1/T1: 230V [50Hz]  
W1: 400V [50Hz]

Outdoor	Indoor		Outdoor temperature (°CDB)																	
	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	1.82	6.1	4.7	2.08	5.7	4.6	2.25	5.5	4.5	2.43	5.3	4.4	2.69	4.9	4.1	2.95
	14.0	20.0	6.6	4.8	1.91	6.5	4.7	2.17	6.0	4.6	2.34	5.9	4.5	2.43	5.5	4.4	2.69	5.3	4.1	2.95
	16.0	22.0	7.2	4.9	1.91	7.0	4.8	2.17	6.5	4.7	2.34	6.3	4.6	2.51	6.0	4.5	2.77	5.5	4.2	3.03
	18.0	25.0	7.7	5.1	1.99	7.5	4.9	2.17	7.2	4.8	2.43	6.8	4.7	2.60	6.4	4.5	2.77	6.0	4.4	3.12
	19.0	27.0	8.0	5.2	1.99	7.7	5.1	2.17	7.3	4.9	2.43	7.1	4.7	2.60	6.6	4.6	2.86	6.2	4.5	3.12
	19.5	27.0	8.0	5.2	1.99	7.9	5.1	2.17	7.4	4.9	2.43	7.2	4.7	2.60	6.7	4.6	2.86	6.3	4.5	3.12
	22.0	30.0	8.7	5.3	2.08	8.5	5.2	2.25	8.0	5.1	2.51	7.9	4.8	2.69	7.4	4.7	2.86	6.8	4.5	3.21
24.0	32.0	9.4	5.3	2.08	9.1	5.2	2.25	8.6	5.1	2.60	8.4	4.9	2.69	8.0	4.7	2.95	7.4	4.5	3.29	
100	12.0	18.0	8.4	7.0	2.69	8.3	6.9	2.88	8.1	6.7	3.28	7.8	6.6	3.48	7.5	6.2	3.88	6.9	6.0	4.28
	14.0	20.0	8.9	7.0	2.78	8.8	6.9	2.88	8.7	6.7	3.28	8.4	6.6	3.48	7.8	6.2	3.88	7.5	6.0	4.28
	16.0	22.0	10.1	7.1	2.78	9.8	7.0	2.98	9.1	6.8	3.38	8.9	6.7	3.58	8.5	6.3	3.98	7.8	6.1	4.38
	18.0	25.0	10.8	7.4	2.78	10.5	7.3	2.98	9.8	6.9	3.38	9.6	6.8	3.58	9.0	6.6	3.98	8.4	6.2	4.48
	19.0	27.0	11.1	7.5	2.78	10.8	7.4	3.08	10.1	7.0	3.48	10.0	6.9	3.68	9.4	6.7	4.08	8.7	6.3	4.58
	19.5	27.0	11.2	7.5	2.78	11.0	7.4	3.08	10.3	7.0	3.48	10.1	6.9	3.68	9.5	6.7	4.08	8.8	6.3	4.58
	22.0	30.0	12.2	7.6	2.88	11.8	7.5	3.08	11.2	7.1	3.58	11.0	7.0	3.78	10.4	6.9	4.18	9.6	6.6	4.58
24.0	32.0	13.0	7.7	2.98	12.7	7.6	3.18	11.9	7.3	3.68	11.6	7.1	3.88	11.1	7.0	4.28	10.3	6.7	4.67	
125	12.0	18.0	11.1	9.1	3.41	10.8	8.8	3.72	10.0	8.3	4.02	9.7	8.2	4.32	9.2	8.0	4.72	8.6	7.6	5.42
	14.0	20.0	11.8	9.1	3.52	11.4	8.8	3.72	10.7	8.3	4.12	10.4	8.2	4.42	9.8	8.0	4.82	9.2	7.6	5.42
	16.0	22.0	12.7	9.2	3.52	12.1	8.9	3.82	11.4	8.4	4.12	11.1	8.3	4.52	10.4	8.1	4.92	9.7	7.7	5.52
	18.0	25.0	13.3	9.5	3.62	13.0	9.1	3.82	12.1	8.7	4.22	11.8	8.6	4.62	11.2	8.3	5.02	10.4	8.0	5.52
	19.0	27.0	13.6	9.6	3.72	13.3	9.1	3.92	12.7	8.8	4.32	12.2	8.6	4.62	11.5	8.4	5.12	10.8	8.1	5.62
	19.5	27.0	13.8	9.6	3.72	13.5	9.1	3.92	12.8	8.8	4.32	12.4	8.7	4.62	11.7	8.4	5.12	11.0	8.1	5.62
	22.0	30.0	15.1	9.7	3.82	14.6	9.4	3.92	13.7	9.0	4.42	13.4	8.9	4.72	12.9	8.7	5.22	12.0	8.3	5.83
24.0	32.0	15.9	9.8	3.82	15.5	9.5	4.02	14.6	9.1	4.52	14.3	9.0	4.82	13.6	8.8	5.32	12.9	8.6	5.93	

3TW25162-2

### SYMBOLS

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

**Caution:**  
TC and SHC are shown by kW

### NOTES

- Ratings shown are net capacities. Influence of fan motor heat is included.
- Shows nominal capacities
- SHC is based on each EWB and EDB  
SHC\* = SHC correction for other dry bulb  
= 0.29 x 60 x AFR (m<sup>3</sup>/min) x (1-BF) x (DB\*-EDB)/860  
Add SHC\* to SHC if SHC > TC, then TC equal SHC
- Direct interpolation is permissible. Do not extrapolate.
- Capacities are based on following conditions:  
Corresponding refrigerant piping length: 7.5 m  
Level difference: 0 m
- 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

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

Model	Supply	FHYBP
71	V1	0.06
	W1	0.00
	T1	0.00
100	V1	0.10
	W1	0.00
	T1	0.00
125	W1	0.00
	T1	0.00



# 3 Capacity tables



## FHYBP71-125B7V1 + RP71-125B7

### 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	4.9	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 <sup>3</sup> /min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°CWB)
EDB:	Entering dry bulb temp.	(°CDB)
DB*:	Dry bulb temp.	(°CDB)
TC:	Total cooling capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input	(kW)
	(comp.+indoor+outdoor fan motor)	

**Caution:**  
TC and SHC are shown by kW

### NOTES

- Ratings shown are net capacities. Influence of fan motor heat is included.
- Shows nominal capacities
- SHC is based on each EWB and EDB  
 $SHC^* = SHC \text{ correction for other dry bulb}$   
 $= 0.29 \times 60 \times AFR \text{ (m}^3\text{/min)} \times (1-BF) \times (DB^*-EDB)/860$   
 Add SHC\* to SHC if SHC > TC, then TC equal SHC
- Direct interpolation is permissible. Do not extrapolate.
- Capacities are based on following conditions:  
 Corresponding refrigerant piping length: 7.5 m  
 Level difference: 0 m
- 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

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

Model	Supply	FHYBP
71	V1	0.06
	W1	0.00
	T1	0.00
100	V1	0.10
	W1	0.00
	T1	0.00
125	W1	0.00
	T1	0.00

# 3 Capacity tables



3

FDYMP71-125L7V1 + RP71-100L7V1  
RP71-125L7W1

Cooling capacity

V1/T1: 230V [50Hz]  
W1: 400V [50Hz]

Outdoor	Indoor		Outdoor temperature (°CDB)																	
	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	1.82	6.1	4.7	2.08	5.7	4.6	2.25	5.5	4.5	2.43	5.3	4.4	2.69	4.9	4.1	2.95
	14.0	20.0	6.6	4.8	1.91	6.5	4.7	2.17	6.0	4.6	2.34	5.9	4.5	2.43	5.5	4.4	2.69	5.3	4.1	2.95
	16.0	22.0	7.2	4.9	1.91	7.0	4.8	2.17	6.5	4.7	2.34	6.3	4.6	2.51	6.0	4.5	2.77	5.5	4.2	3.03
	18.0	25.0	7.7	5.1	1.99	7.5	4.9	2.17	7.2	4.8	2.43	6.8	4.7	2.60	6.4	4.5	2.77	6.0	4.4	3.12
	19.0	27.0	8.0	5.2	1.99	7.7	5.1	2.17	7.3	4.9	2.43	7.1	4.7	2.60	6.6	4.6	2.86	6.2	4.5	3.12
	19.5	27.0	8.0	5.2	1.99	7.9	5.1	2.17	7.4	4.9	2.43	7.2	4.7	2.60	6.7	4.6	2.86	6.3	4.5	3.12
	22.0	30.0	8.7	5.3	2.08	8.5	5.2	2.25	8.0	5.1	2.51	7.9	4.8	2.69	7.4	4.7	2.86	6.8	4.5	3.21
24.0	32.0	9.4	5.3	2.08	9.1	5.2	2.25	8.6	5.1	2.60	8.4	4.9	2.69	8.0	4.7	2.95	7.4	4.5	3.29	
100	12.0	18.0	8.4	7.0	2.71	8.3	6.9	2.92	8.1	6.7	3.32	7.8	6.6	3.52	7.5	6.2	3.92	6.9	6.0	4.32
	14.0	20.0	8.9	7.0	2.82	8.8	6.9	2.92	8.7	6.7	3.32	8.4	6.6	3.52	7.8	6.2	3.92	7.5	6.0	4.32
	16.0	22.0	10.1	7.1	2.82	9.8	7.0	3.02	9.1	6.8	3.42	8.9	6.7	3.62	8.5	6.3	4.02	7.8	6.1	4.42
	18.0	25.0	10.8	7.4	2.82	10.5	7.3	3.02	9.8	6.9	3.42	9.6	6.8	3.62	9.0	6.6	4.02	8.4	6.2	4.52
	19.0	27.0	11.1	7.5	2.82	10.8	7.4	3.12	10.1	7.0	3.52	10.0	6.9	3.72	9.4	6.7	4.12	8.7	6.3	4.62
	19.5	27.0	11.2	7.5	2.82	11.0	7.4	3.12	10.3	7.0	3.52	10.1	6.9	3.72	9.5	6.7	4.12	8.8	6.3	4.62
	22.0	30.0	12.2	7.6	2.92	11.8	7.5	3.12	11.2	7.1	3.62	11.0	7.0	3.82	10.4	6.9	4.22	9.6	6.6	4.62
24.0	32.0	13.0	7.7	3.02	12.7	7.6	3.22	11.9	7.3	3.72	11.6	7.1	3.92	11.1	7.0	4.32	10.3	6.7	4.73	
125	12.0	18.0	11.1	9.1	3.41	10.8	8.8	3.72	10.0	8.3	4.02	9.7	8.2	4.32	9.2	8.0	4.72	8.6	7.6	5.42
	14.0	20.0	11.8	9.1	3.52	11.4	8.8	3.72	10.7	8.3	4.12	10.4	8.2	4.42	9.8	8.0	4.82	9.2	7.6	5.42
	16.0	22.0	12.7	9.2	3.52	12.1	8.9	3.82	11.4	8.4	4.12	11.1	8.3	4.52	10.4	8.1	4.92	9.7	7.7	5.52
	18.0	25.0	13.3	9.5	3.62	13.0	9.1	3.82	12.1	8.7	4.22	11.8	8.6	4.62	11.2	8.3	5.02	10.4	8.0	5.52
	19.0	27.0	13.6	9.6	3.72	13.3	9.1	3.92	12.7	8.8	4.32	12.2	8.6	4.62	11.5	8.4	5.12	10.8	8.1	5.62
	19.5	27.0	13.8	9.6	3.72	13.5	9.1	3.92	12.8	8.8	4.32	12.4	8.7	4.62	11.7	8.4	5.12	11.0	8.1	5.62
	22.0	30.0	15.1	9.7	3.82	14.6	9.4	3.92	13.7	9.0	4.42	13.4	8.9	4.72	12.9	8.7	5.22	12.0	8.3	5.83
24.0	32.0	15.9	9.8	3.82	15.5	9.5	4.02	14.6	9.1	4.52	14.3	9.0	4.82	13.6	8.8	5.32	12.9	8.6	5.93	

3TW25162-3

### SYMBOLS

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

**Caution:**  
TC and SHC are shown by kW

### NOTES

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

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

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

Model	Supply	FDYMP
71	V1	0.06
	W1	0
	T1	0.00
100	V1	0.03
	W1	0
	T1	0.00
125	W1	0
	T1	0.00

# 3 Capacity tables



## FDYMP71-125L7V1 + RP71-125B7T1

### Cooling capacity

V1/T1: 230V [50Hz]  
W1: 400V [50Hz]

3

Outdoor	Indoor		Outdoor temperature (°CDB)																	
	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

3TW23282-9

### SYMBOLS

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

**Caution:**  
TC and SHC are shown by kW

### NOTES

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

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

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

Model	Supply	FDYMP
71	V1	0.06
	W1	0
	T1	0.00
100	V1	0.03
	W1	0
	T1	0.00
125	W1	0
	T1	0.00

# 3 Capacity tables



## 3

FHYP71-125BV1 + RP71-100L7V1  
RP71-100L7W1

Cooling capacity

V1/T1: 230V [50Hz]  
W1: 400V [50Hz]

Outdoor	Indoor		Outdoor temperature (°CDB)																	
	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	1.83	6.1	4.7	2.10	5.7	4.6	2.27	5.5	4.5	2.45	5.3	4.4	2.71	4.9	4.1	2.97
	14.0	20.0	6.6	4.8	1.92	6.5	4.7	2.18	6.0	4.6	2.36	5.9	4.5	2.45	5.5	4.4	2.71	5.3	4.1	2.97
	16.0	22.0	7.2	4.9	1.92	7.0	4.8	2.18	6.5	4.7	2.36	6.3	4.6	2.53	6.0	4.5	2.79	5.5	4.2	3.06
	18.0	25.0	7.7	5.1	2.01	7.5	4.9	2.18	7.2	4.8	2.45	6.8	4.7	2.62	6.4	4.5	2.79	6.0	4.4	3.14
	19.0	27.0	8.0	5.2	2.01	7.7	5.1	2.18	7.3	4.9	2.45	7.1	4.7	2.62	6.6	4.6	2.88	6.2	4.5	3.14
	19.5	27.0	8.0	5.2	2.01	7.9	5.1	2.18	7.4	4.9	2.45	7.2	4.7	2.62	6.7	4.6	2.88	6.3	4.5	3.14
	22.0	30.0	8.7	5.3	2.10	8.5	5.2	2.27	8.0	5.1	2.53	7.9	4.8	2.71	7.4	4.7	2.88	6.8	4.5	3.23
24.0	32.0	9.4	5.3	2.10	9.1	5.2	2.27	8.6	5.1	2.62	8.4	4.9	2.71	8.0	4.7	2.97	7.4	4.5	3.32	
100	12.0	18.0	8.4	7.0	2.71	8.3	6.9	2.92	8.1	6.7	3.32	7.8	6.6	3.52	7.5	6.2	3.92	6.9	6.0	4.32
	14.0	20.0	8.9	7.0	2.82	8.8	6.9	2.92	8.7	6.7	3.32	8.4	6.6	3.52	7.8	6.2	3.92	7.5	6.0	4.32
	16.0	22.0	10.1	7.1	2.82	9.8	7.0	3.02	9.1	6.8	3.42	8.9	6.7	3.62	8.5	6.3	4.02	7.8	6.1	4.42
	18.0	25.0	10.8	7.4	2.82	10.5	7.3	3.02	9.8	6.9	3.42	9.6	6.8	3.62	9.0	6.6	4.02	8.4	6.2	4.52
	19.0	27.0	11.1	7.5	2.82	10.8	7.4	3.12	10.1	7.0	3.52	10.0	6.9	3.72	9.4	6.7	4.12	8.7	6.3	4.62
	19.5	27.0	11.2	7.5	2.82	11.0	7.4	3.12	10.3	7.0	3.52	10.1	6.9	3.72	9.5	6.7	4.12	8.8	6.3	4.62
	22.0	30.0	12.2	7.6	2.92	11.8	7.5	3.12	11.2	7.1	3.62	11.0	7.0	3.82	10.4	6.9	4.22	9.6	6.6	4.62
24.0	32.0	13.0	7.7	3.02	12.7	7.6	3.22	11.9	7.3	3.72	11.6	7.1	3.92	11.1	7.0	4.32	10.3	6.7	4.73	
125	12.0	18.0	11.1	9.1	3.35	10.8	8.8	3.64	10.0	8.3	3.94	9.7	8.2	4.23	9.2	8.0	4.63	8.6	7.6	5.32
	14.0	20.0	11.8	9.1	3.45	11.4	8.8	3.64	10.7	8.3	4.04	10.4	8.2	4.33	9.8	8.0	4.73	9.2	7.6	5.32
	16.0	22.0	12.7	9.2	3.45	12.1	8.9	3.74	11.4	8.4	4.04	11.1	8.3	4.43	10.4	8.1	4.83	9.7	7.7	5.42
	18.0	25.0	13.3	9.5	3.55	13.0	9.1	3.74	12.1	8.7	4.14	11.8	8.6	4.53	11.2	8.3	4.92	10.4	8.0	5.42
	19.0	27.0	13.6	9.6	3.64	13.3	9.1	3.84	12.7	8.8	4.23	12.2	8.6	4.53	11.5	8.4	5.02	10.8	8.1	5.51
	19.5	27.0	13.8	9.6	3.64	13.5	9.1	3.84	12.8	8.8	4.23	12.4	8.7	4.53	11.7	8.4	5.02	11.0	8.1	5.51
	22.0	30.0	15.1	9.7	3.74	14.6	9.4	3.84	13.7	9.0	4.33	13.4	8.9	4.63	12.9	8.7	5.12	12.0	8.3	5.71
24.0	32.0	15.9	9.8	3.74	15.5	9.5	3.94	14.6	9.1	4.43	14.3	9.0	4.73	13.6	8.8	5.22	12.9	8.6	5.81	

3TW25162-4A

### SYMBOLS

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

**Caution:**  
TC and SHC are shown by kW

### NOTES

- Ratings shown are net capacities. Influence of fan motor heat is included.
- Shows nominal capacities
- SHC is based on each EWB and EDB  
SHC\* = SHC correction for other dry bulb  
= 0.29 x 60 x AFR (m<sup>3</sup>/min) x (1-BF) x (DB\*-EDB)/860  
Add SHC\* to SHC if SHC > TC, then TC equal SHC
- Direct interpolation is permissible. Do not extrapolate.
- Capacities are based on following conditions:  
Corresponding refrigerant piping length: 7.5 m  
Level difference: 0 m
- 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

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

Model	Supply	FHYP
71	V1	0.06
	W1	0
	T1	0.00
100	V1	0.03
	W1	0
	T1	0.00
125	W1	0
	T1	0.00

# 3 Capacity tables



## FHYP71-125BV1 + RP71-125B7T1

### 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	1.83	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	4.9	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 <sup>3</sup> /min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°CWB)
EDB:	Entering dry bulb temp.	(°CDB)
DB*:	Dry bulb temp.	(°CDB)
TC:	Total cooling capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input	(kW)
	(comp.+indoor+outdoor fan motor)	

**Caution:**  
TC and SHC are shown by kW

### NOTES

- Ratings shown are net capacities. Influence of fan motor heat is included.
- Shows nominal capacities
- SHC is based on each EWB and EDB  
SHC\* = SHC correction for other dry bulb  
= 0.29 x 60 x AFR (m<sup>3</sup>/min) x (1-BF) x (DB\*-EDB)/860  
Add SHC\* to SHC if SHC > TC, then TC equal SHC
- Direct interpolation is permissible. Do not extrapolate.
- Capacities are based on following conditions:  
Corresponding refrigerant piping length: 7.5 m  
Level difference: 0 m
- 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

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

Model	Supply	FHYP
71	V1	0.06
	W1	0
	T1	0.00
100	V1	0.03
	W1	0
	T1	0.00
125	W1	0
	T1	0.00

# 3 Capacity tables



3

FUYP71-125BV1 + RP71-100L7V1  
RP71-125L7W1

Cooling capacity

V1/T1: 230V [50Hz]  
W1: 400V [50Hz]

Outdoor	Indoor		Outdoor temperature (°CDB)																	
	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	8.4	7.2	2.79	8.3	7.1	3.00	8.1	6.9	3.42	7.8	6.8	3.62	7.5	6.4	4.04	6.9	6.2	4.45
	14.0	20.0	8.9	7.2	2.90	8.8	7.1	3.00	8.7	6.9	3.42	8.4	6.8	3.62	7.8	6.4	4.04	7.5	6.2	4.45
	16.0	22.0	10.1	7.3	2.90	9.8	7.2	3.11	9.1	7.0	3.52	8.9	6.9	3.73	8.5	6.5	4.14	7.8	6.3	4.55
	18.0	25.0	10.8	7.6	2.90	10.5	7.5	3.11	9.8	7.1	3.52	9.6	7.0	3.73	9.0	6.8	4.14	8.4	6.4	4.66
	19.0	27.0	11.1	7.7	2.90	10.8	7.6	3.21	10.1	7.2	3.62	10.0	7.1	3.83	9.4	6.9	4.24	8.7	6.5	4.76
	19.5	27.0	11.2	7.7	2.90	11.0	7.6	3.21	10.3	7.2	3.62	10.1	7.1	3.83	9.5	6.9	4.24	8.8	6.5	4.76
	22.0	30.0	12.2	7.8	3.00	11.8	7.7	3.21	11.2	7.3	3.73	11.0	7.2	3.93	10.4	7.1	4.35	9.6	6.8	4.76
24.0	32.0	13.0	7.9	3.11	12.7	7.8	3.31	11.9	7.5	3.83	11.6	7.3	4.04	11.1	7.2	4.45	10.3	6.9	4.87	
125	12.0	18.0	11.1	9.5	3.39	10.8	9.2	3.69	10.0	8.7	3.99	9.7	8.6	4.29	9.2	8.4	4.69	8.6	8.0	5.39
	14.0	20.0	11.8	9.5	3.49	11.4	9.2	3.69	10.7	8.7	4.09	10.4	8.6	4.39	9.8	8.4	4.79	9.2	8.0	5.39
	16.0	22.0	12.7	9.6	3.49	12.1	9.3	3.79	11.4	8.8	4.09	11.1	8.7	4.49	10.4	8.5	4.89	9.7	8.1	5.49
	18.0	25.0	13.3	9.9	3.59	13.0	9.5	3.79	12.1	9.1	4.19	11.8	9.0	4.59	11.2	8.7	4.99	10.4	8.4	5.49
	19.0	27.0	13.6	10.0	3.69	13.3	9.5	3.89	12.7	9.2	4.29	12.2	9.0	4.59	11.5	8.8	5.09	10.8	8.5	5.59
	19.5	27.0	13.8	10.0	3.69	13.5	9.5	3.89	12.8	9.2	4.29	12.4	9.1	4.59	11.7	8.8	5.09	11.0	8.5	5.59
	22.0	30.0	15.1	10.1	3.79	14.6	9.8	3.89	13.7	9.4	4.39	13.4	9.3	4.69	12.9	9.1	5.19	12.0	8.7	5.79
24.0	32.0	15.9	10.2	3.79	15.5	9.9	3.99	14.6	9.5	4.49	14.3	9.4	4.79	13.6	9.2	5.29	12.9	9.0	5.89	

3TW25162-5

## SYMBOLS

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

**Caution:**  
TC and SHC are shown by kW

## NOTES

- Ratings shown are net capacities. Influence of fan motor heat is included.
- Shows nominal capacities
- SHC is based on each EWB and EDB  
SHC\* = SHC correction for other dry bulb  
= 0.29 x 60 x AFR (m<sup>3</sup>/min) x (1-BF) x (DB\*-EDB)/860  
Add SHC\* to SHC if SHC > TC, then TC equal SHC
- Direct interpolation is permissible. Do not extrapolate.
- Capacities are based on following conditions:  
Corresponding refrigerant piping length: 7.5 m  
Level difference: 0 m
- 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

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

Model	Supply	FUYP
71	V1	0.06
	W1	0
	T1	0
100	V1	0
	W1	0
	T1	0
125	W1	0
	T1	0

# 3 Capacity tables



## FUYP71-125BV1 + RP71-125B7T1

### Cooling capacity

3

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	1.85	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 <sup>3</sup> /min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°CWB)
EDB:	Entering dry bulb temp.	(°CDB)
DB*:	Dry bulb temp.	(°CDB)
TC:	Total cooling capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input	(kW)
	(comp.+indoor+outdoor fan motor)	

**Caution:**  
TC and SHC are shown by kW

### NOTES

- Ratings shown are net capacities. Influence of fan motor heat is included.
- Shows nominal capacities
- SHC is based on each EWB and EDB  
SHC\* = SHC correction for other dry bulb  
= 0.29 x 60 x AFR (m<sup>3</sup>/min) x (1-BF) x (DB\*-EDB)/860  
Add SHC\* to SHC if SHC > TC, then TC equal SHC
- Direct interpolation is permissible. Do not extrapolate.
- Capacities are based on following conditions:  
Corresponding refrigerant piping length: 7.5 m  
Level difference: 0 m
- 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

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

Model	Supply	FUYP
71	V1	0.06
	W1	0
	T1	0
100	V1	0
	W1	0
	T1	0
125	W1	0
	T1	0

# 3 Capacity tables



## 3 FDYP125B7V1 + RP125L7W1

### Cooling capacity

V1/T1: 230V [50Hz]  
W1: 400V [50Hz]

Outdoor	Indoor		Outdoor temperature (°CDB)																	
	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	11.1	10.4	3.46	10.8	10.1	3.76	10.0	9.6	4.07	9.7	9.5	4.37	9.2	9.3	4.78	8.6	8.9	5.49
	14.0	20.0	11.8	10.4	3.56	11.4	10.1	3.76	10.7	9.6	4.17	10.4	9.5	4.48	9.8	9.3	4.88	9.2	8.9	5.49
	16.0	22.0	12.7	10.5	3.56	12.1	10.2	3.87	11.4	9.7	4.17	11.1	9.6	4.58	10.4	9.4	4.99	9.7	9.0	5.60
	18.0	25.0	13.3	10.8	3.66	13.0	10.4	3.87	12.1	10.0	4.27	11.8	9.9	4.68	11.2	9.6	5.09	10.4	9.3	5.60
	19.0	27.0	13.6	10.9	3.76	13.3	10.4	3.97	12.7	10.1	4.37	12.2	9.9	4.68	11.5	9.7	5.19	10.8	9.4	5.70
	19.5	27.0	13.8	10.9	3.76	13.5	10.4	3.97	12.8	10.1	4.37	12.4	10.0	4.68	11.7	9.7	5.19	11.0	9.4	5.70
	22.0	30.0	15.1	11.0	3.87	14.6	10.7	3.97	13.7	10.3	4.48	13.4	10.2	4.78	12.9	10.0	5.29	12.0	9.6	5.90
	24.0	32.0	15.9	11.1	3.87	15.5	10.8	4.07	14.6	10.4	4.58	14.3	10.3	4.88	13.6	10.1	5.39	12.9	9.9	6.00

3TW25232-6

## FDYP125B7V1 + RP125B7W1 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 <sup>3</sup> /min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°CWB)
EDB:	Entering dry bulb temp.	(°CDB)
DB*:	Dry bulb temp.	(°CDB)
TC:	Total cooling capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input	(kW)
	(comp.+indoor+outdoor fan motor)	

**Caution:**  
TC and SHC are shown by kW

### NOTES

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

Model		FDYP
125	AFR	45
	BF	0.25



### 3 Capacity tables



**FDYP200-250B7V1 + RP200-250B7W1**

**Cooling capacity**

Model	FDYP200	FDYP250
AFR	69	89
BF	0.25	0.25

**3**

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
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
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 <sup>3</sup> /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	(kW)
	(comp.+indoor+outdoor fan motor)	

**NOTES**

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

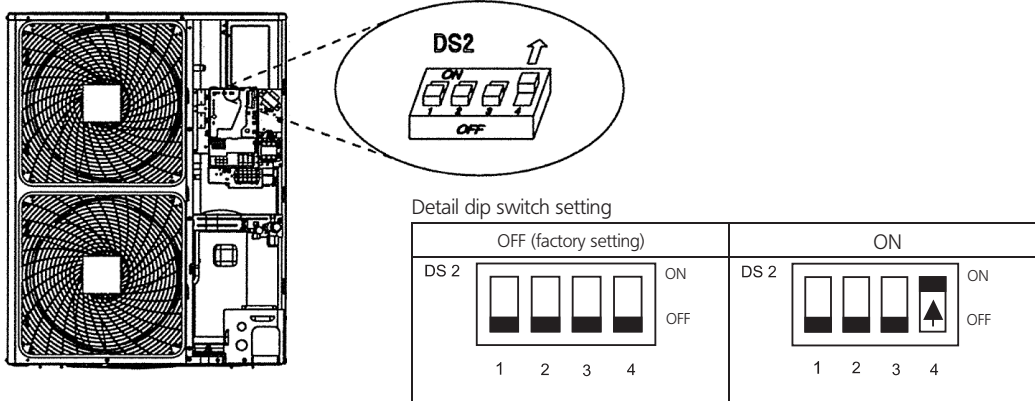


### 3 Capacity tables

#### 3-1 Cooling capacity in low latent heat application

#### 3 Method and illustration

3-1 The capacity will be increased when the dip switch DS2-4, mounted on the outdoor PCB, is set to ON.



#### Capacity result at low temperature

The capacity increases when outdoor temperature drops below 21°C as indicated on table below

	Dip switch OFF (factory setting)	Dip switch ON
Capacity low temperature	100%*	150 ~ 200%

\*This is a relative comparison to indicate an increase of 50 to 100% capacity with the dipswitch ON.

#### Caution

- Finally the capacity result will depend on the total condition of the installation site. This is the responsibility of the customer.
- There is additional limitation for the relative humidity when operating this switch. Finally, it will depend on the total condition of the installation site and is responsibility of the customer.
- Evaluation is necessary for each installation site by a professional responsible installer.
- Only use the switch for capacity increase in the area indicated on the graph of page 4.
- Do not set the switch in combination with the option EKRPER, this is only for use of Daikin indoor units.

#### Reason for limitation

When operating with switch ON, there will be a change of freeze protection control see table on next page. By this there will be some risk of

- Ice building up at indoor heat exchanger.
- Water blown off from the unit into the room.

### 3 Capacity tables

#### 3-2 Details about software change

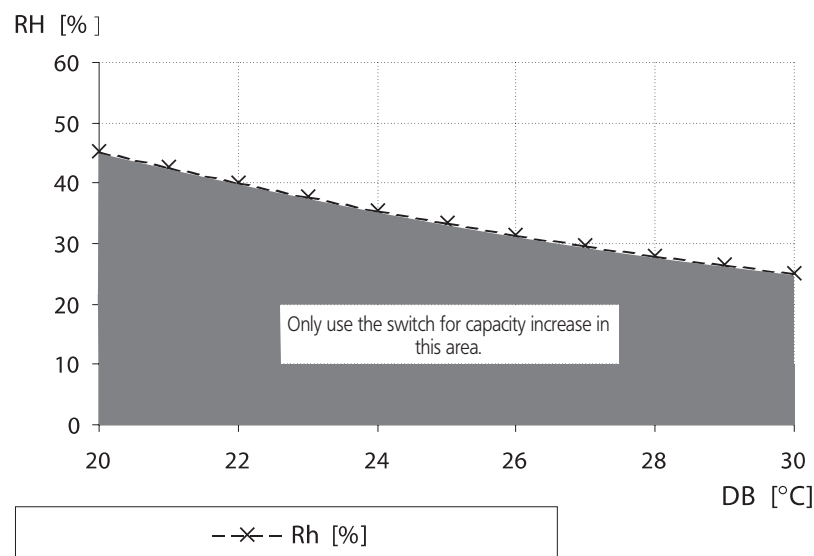


DAIKIN

DAIKIN

		B-type	L-type	
			Dip switch OFF (factory setting)	Dip switch ON
Function: capacity increase at low temperature		Not present	Not activated	Activated
Freeze protection (partly)	IN condition	OR { <ul style="list-style-type: none"> <li>● Intelligent control</li> <li>● Indoor decision</li> <li>● 25min integrated coil temp <math>\leq -1^{\circ}\text{C}</math></li> <li>● coil temp <math>\leq "A"^{\circ}\text{C}</math> continuous 1min</li> <li>● 20min continuous comp operation time</li> </ul> & { <ul style="list-style-type: none"> <li>● coil temp <math>\leq -1^{\circ}\text{C}</math> continuous 1min</li> </ul> "A": depend on each indoor type Ex.: FHY...-3 $^{\circ}\text{C}$ FHYC...-5 $^{\circ}\text{C}$	OR { <ul style="list-style-type: none"> <li>● Indoor decision</li> <li>● 25min integrated coil temp <math>\leq -1^{\circ}\text{C}</math></li> <li>● coil temp <math>\leq "A"^{\circ}\text{C}</math> continuous 1min</li> </ul> & { <ul style="list-style-type: none"> <li>● 20min continuous comp operation time</li> <li>● coil temp <math>\leq -1^{\circ}\text{C}</math> continuous 1min</li> </ul> "A": depend on each indoor type Ex.: FHY...-3 $^{\circ}\text{C}$ FHYC...-5 $^{\circ}\text{C}$	OR { <ul style="list-style-type: none"> <li>● 25min integrated coil temp <math>\leq -1^{\circ}\text{C}</math></li> <li>● coil temp <math>\leq "A"^{\circ}\text{C}</math> continuous 1min</li> </ul> & { <ul style="list-style-type: none"> <li>● 20min continuous comp operation time</li> <li>● coil temp <math>\leq -1^{\circ}\text{C}</math> continuous 1min</li> </ul> "A": depend on each indoor type Ex.: FHY...-3 $^{\circ}\text{C}$ FHYC...-5 $^{\circ}\text{C}$
	OUT condition	Coil temp $>10^{\circ}\text{C}$ continuous $\geq 10\text{min}$	←	Coil temp $>7^{\circ}\text{C}$ continuous $\geq 3\text{min}$
Discharge temp (TK) control limitation				

#### Humidity limitation



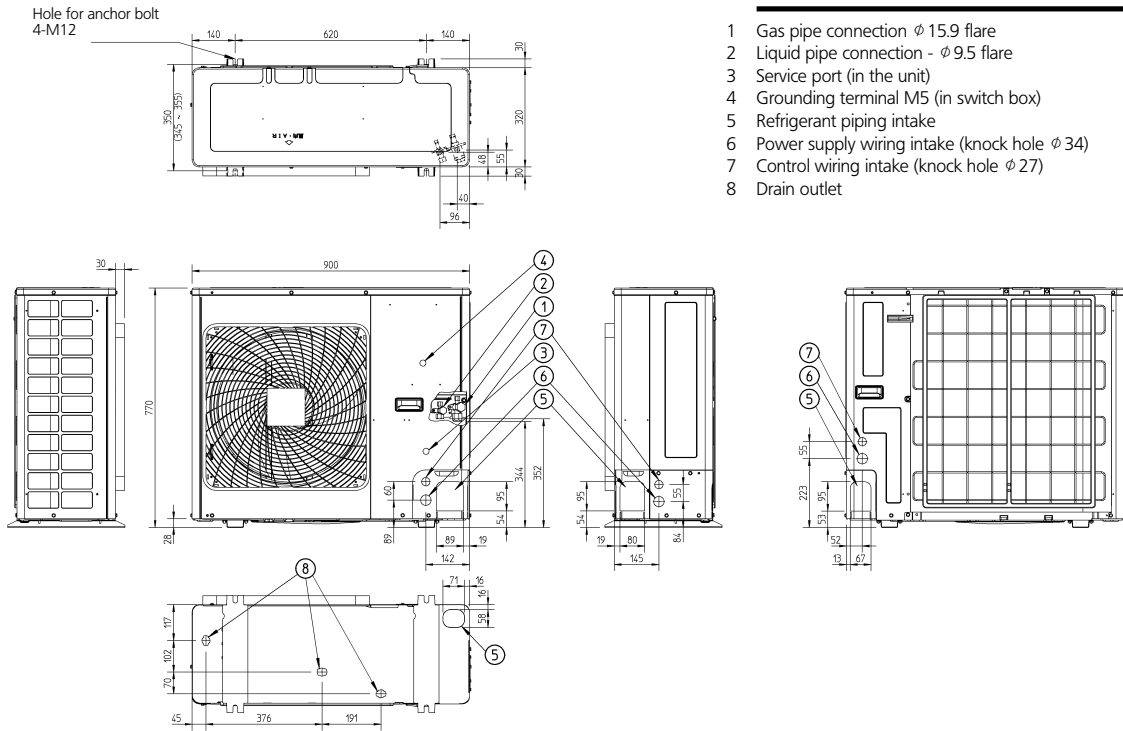
# 4 Dimensional drawings



4

## RP71L7V1/W1

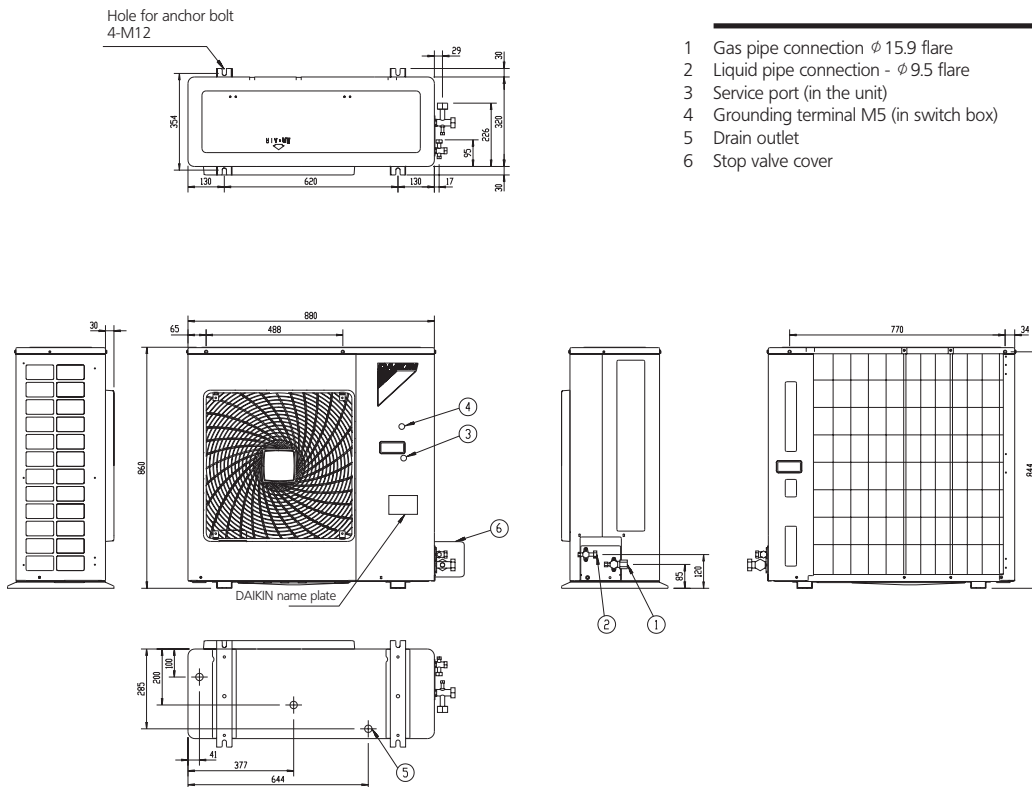
unit (mm)



3TW25144-1

## RP71B7T1

unit (mm)

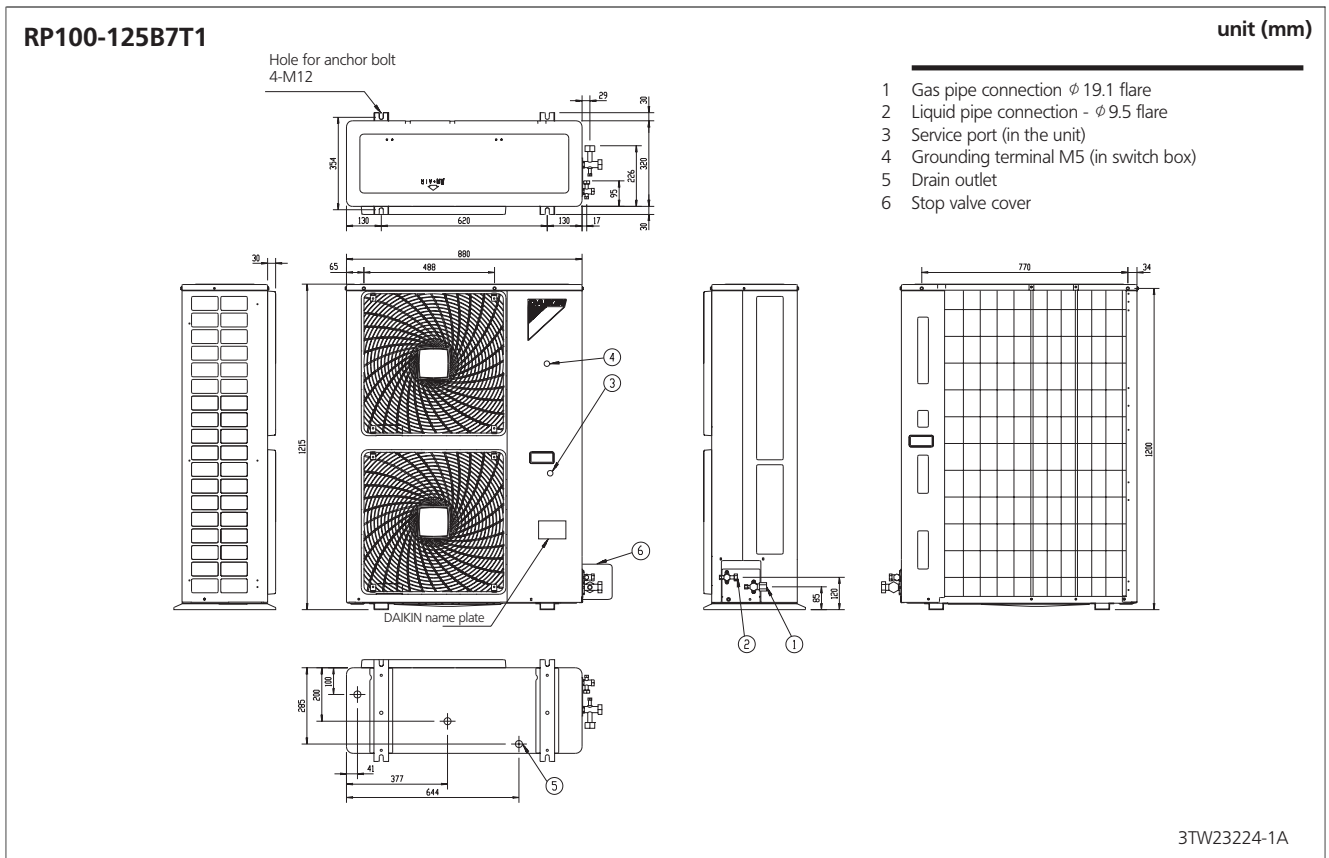
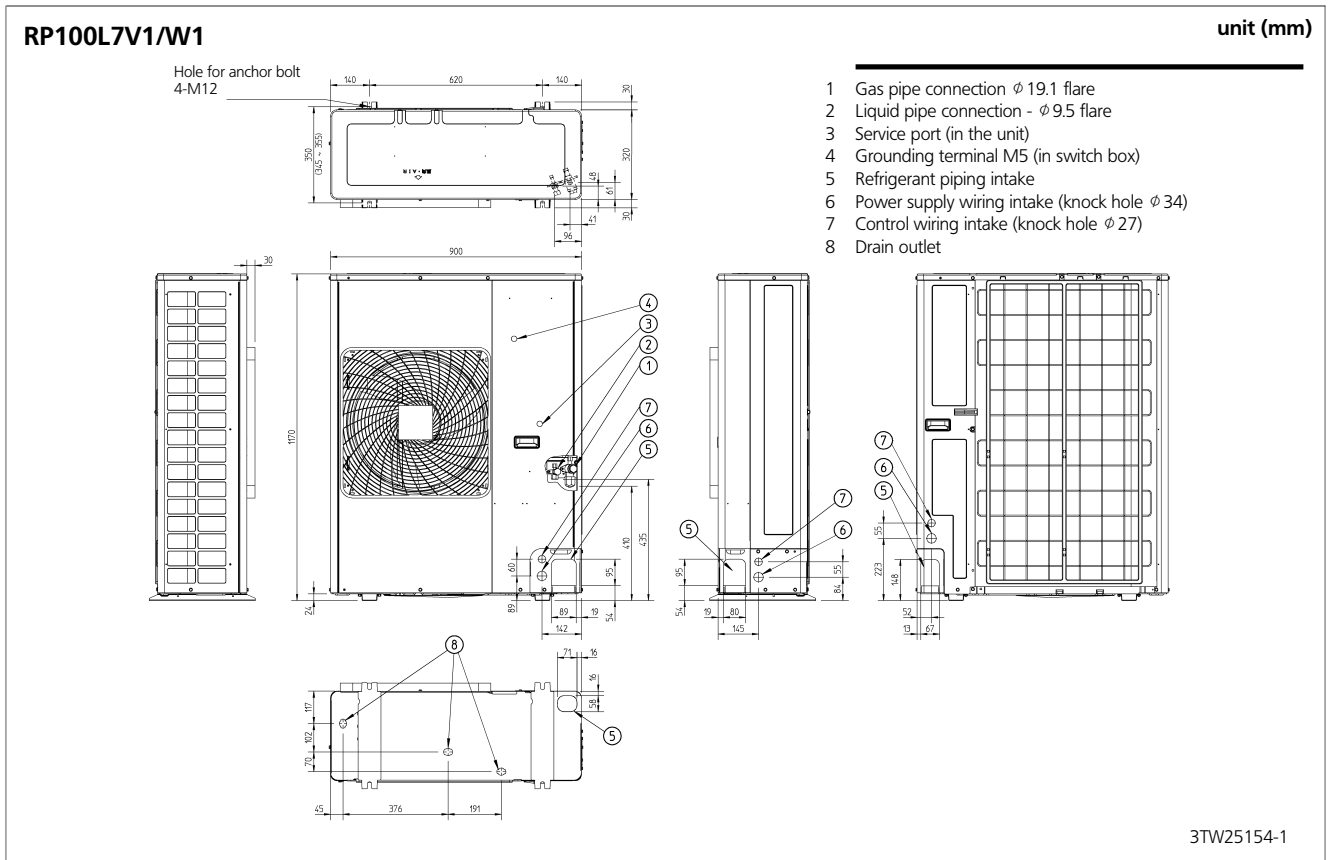


3TW23184-1A

# 4 Dimensional drawings



4



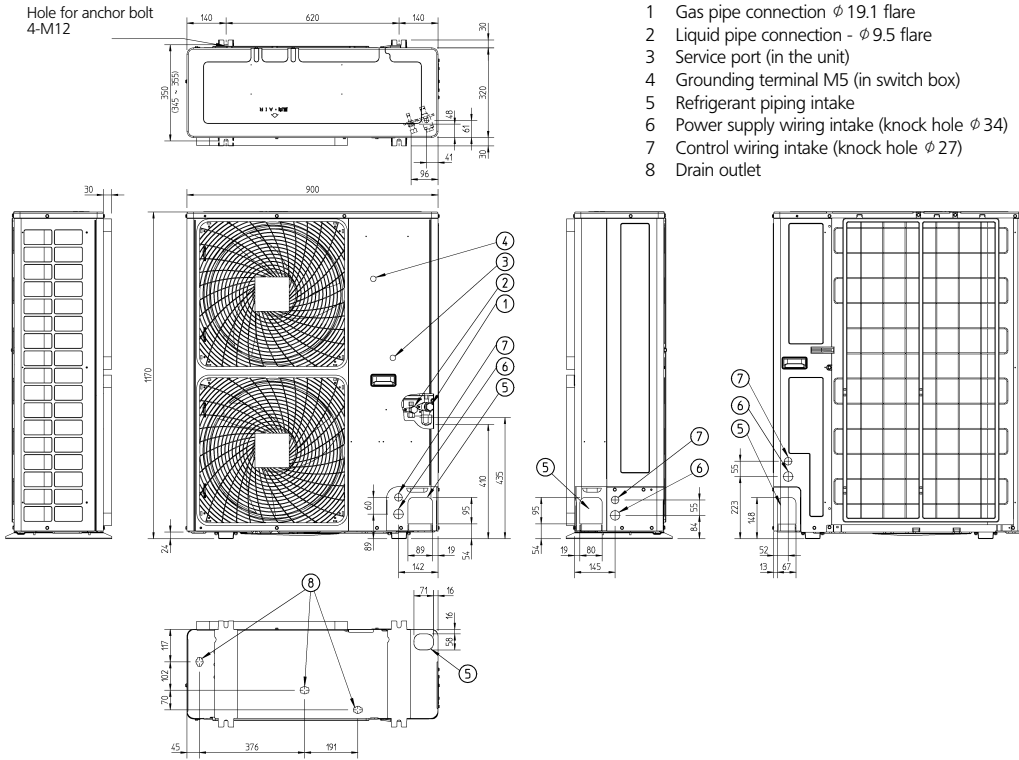
# 4 Dimensional drawings



4

RP125L7T1

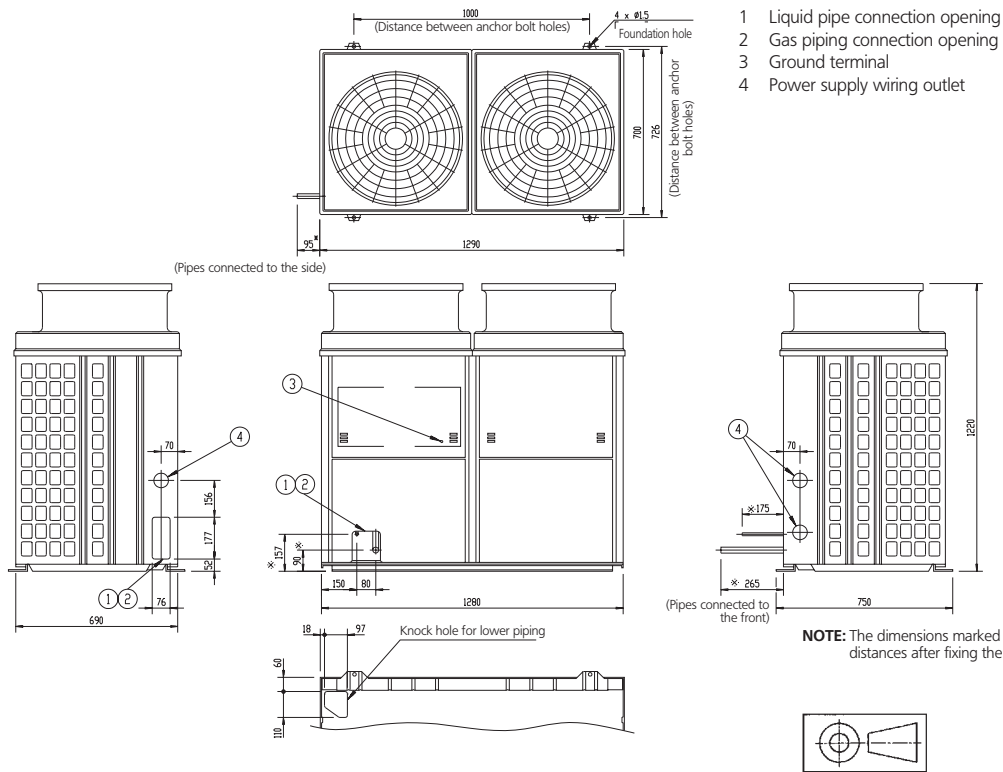
unit (mm)



3TW25204-1

RP200B7T1

unit (mm)



3TW21484-1C

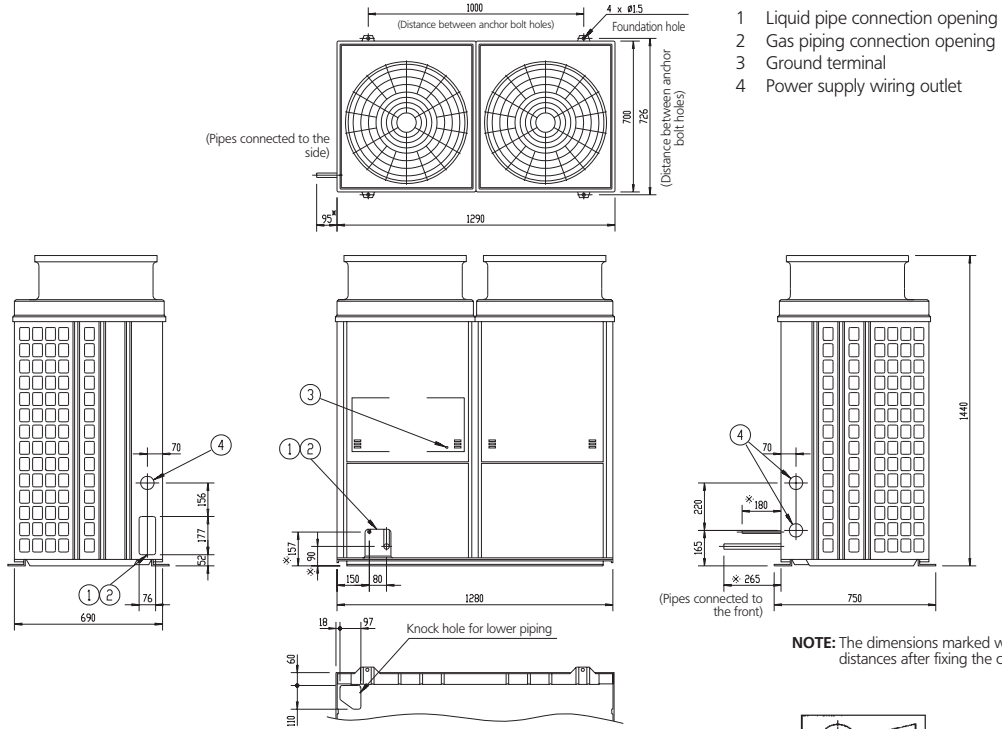
# 4 Dimensional drawings



RP250B7T1

unit (mm)

4



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

NOTE: The dimensions marked with  $\times$  refer to distances after fixing the connection pipes.



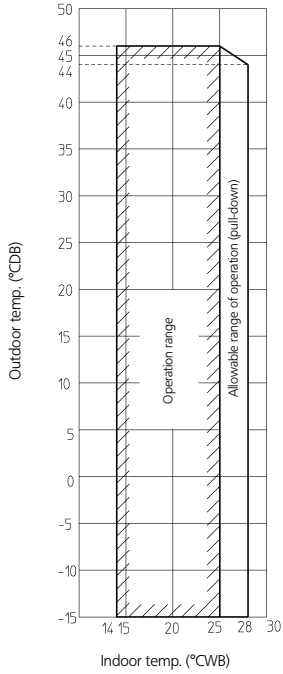
3TW21494-1C

# 5 Operation range



5

## RP71-125L7V1/W1



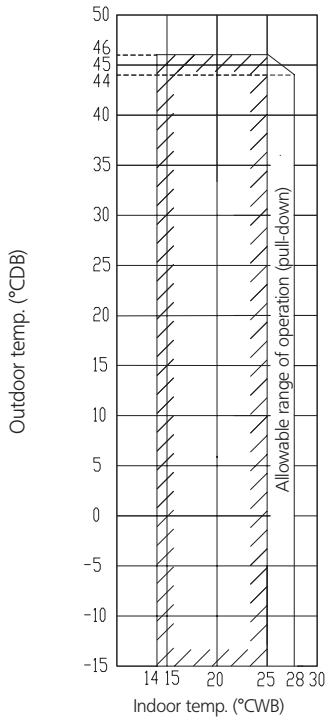
Model name		
RP71L7V1	RP100L7V1	RP125L7W1
RP71L7W1	RP100L7W1	

**Notes:**

- Depending on operation and installation conditions, the indoor unit can change over to freeze-up operation (indoor de-icing).
- To reduce the freeze-up operation (indoor de-icing) frequency, it is recommended to install the outdoor unit in a location not exposed to wind.

3TW25163-1A

## RP71-100-125B7T1



Model name	
RP71B7V1	RP100B7W1
RP71B7W1	RP100B7T1
RP71B7T1	RP125B7W1
RP100B7V1	RP125B7T1

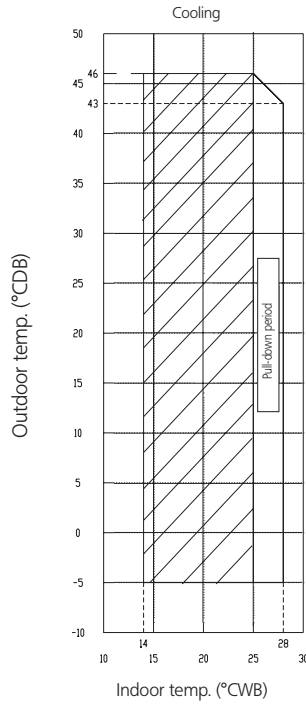
3TW23183-1A



# 5 Operation range



## RP200-250B7T1



**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<sup>3</sup>/min (200 class)  
90m<sup>3</sup>/min (250 class)

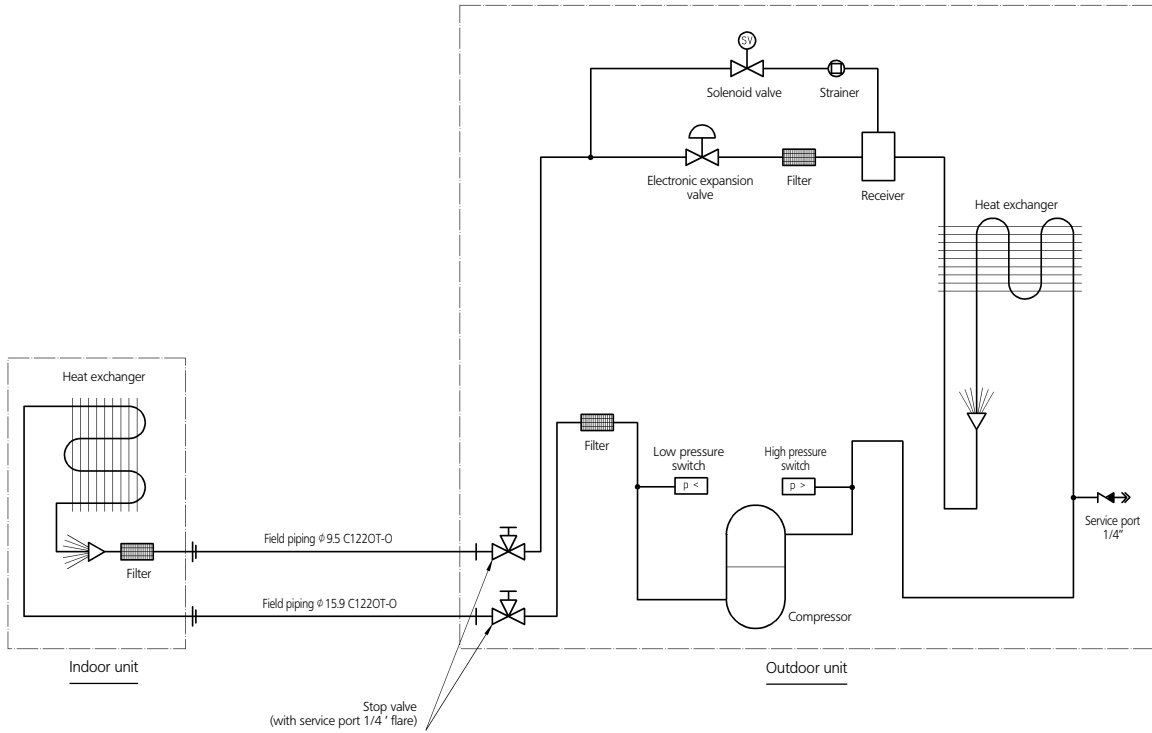
3TW23613-1

# 6 Piping diagrams



6

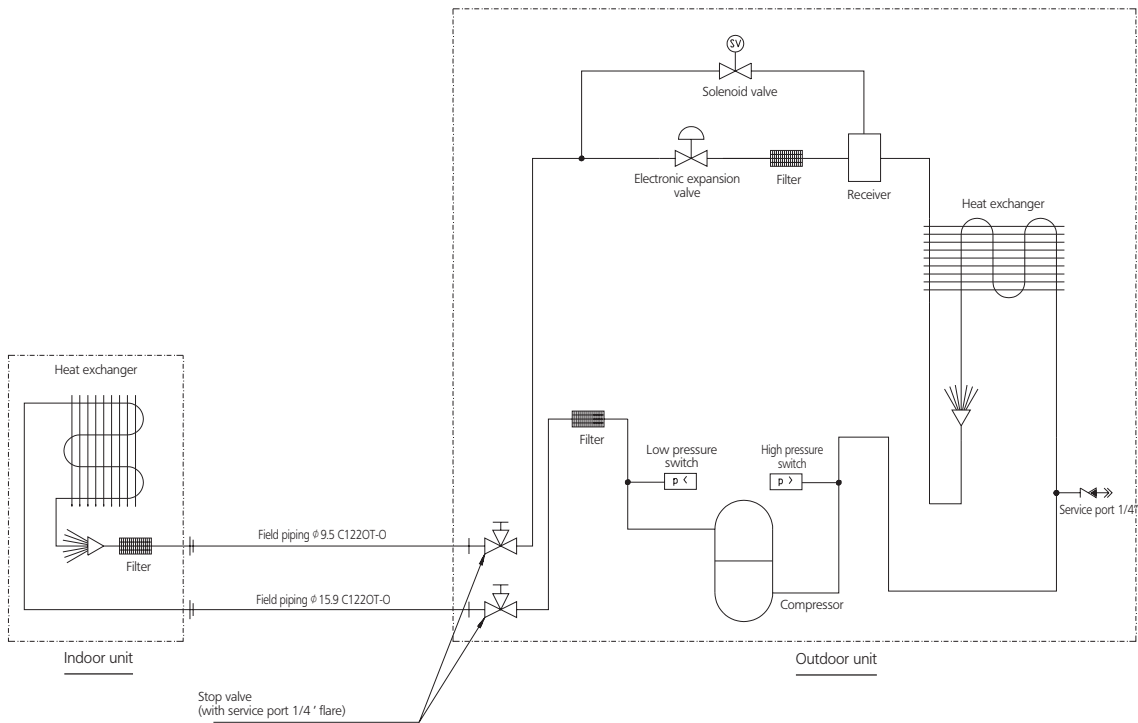
RP71L7V1/W1



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

3TW25165-1

RP71B7T1



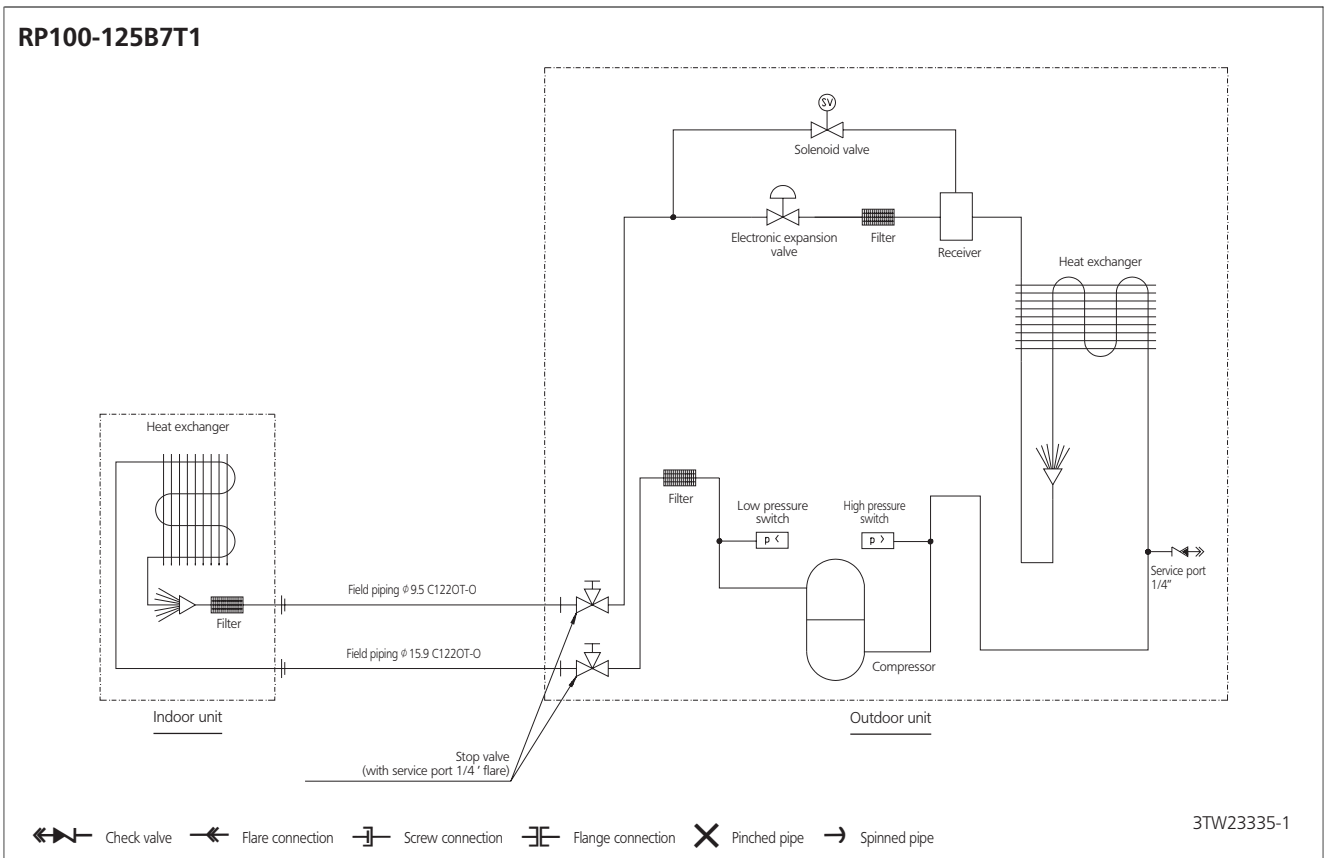
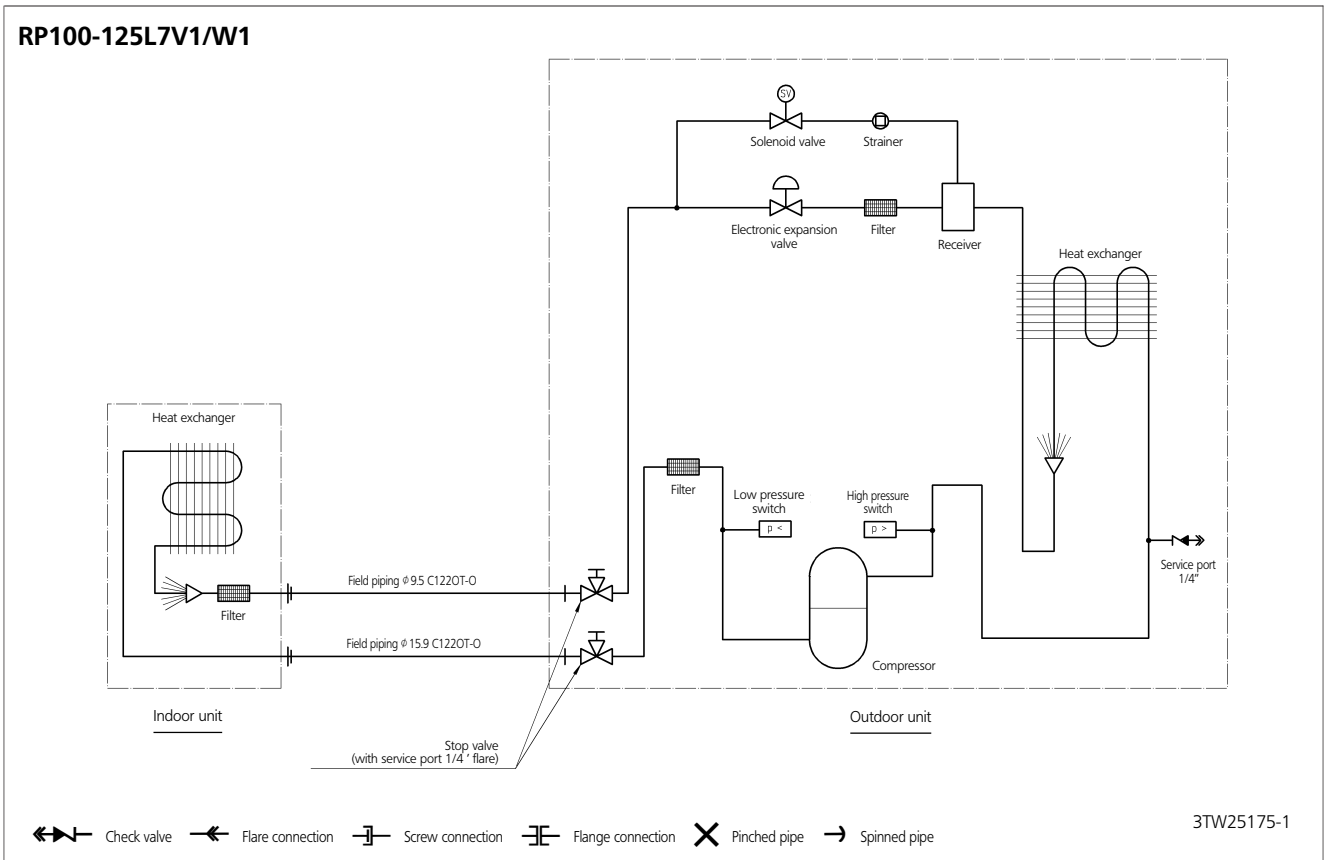
Check valve  
 Flare connection  
 Screw connection  
 Flange connection  
 Pinched pipe  
 Spinned pipe

3TW23285-1

# 6 Piping diagrams



6

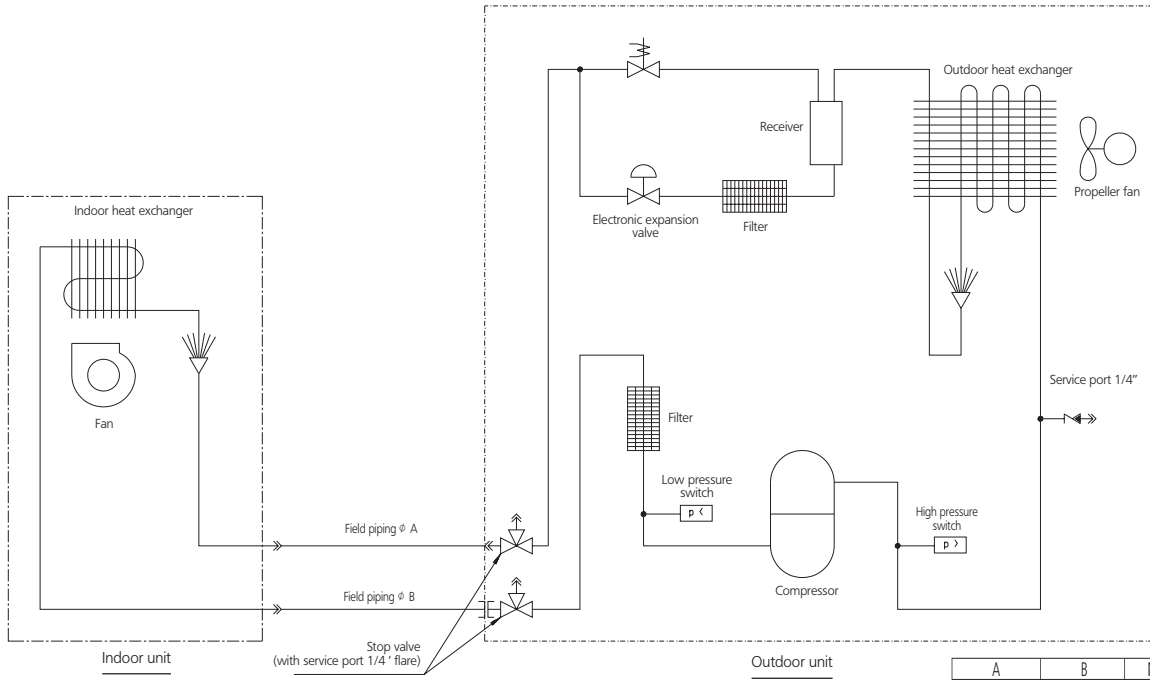


# 6 Piping diagrams



6

RP200-250B7W1



A	B	Model
12.7	28.6	RP200
15.9	28.6	RP250

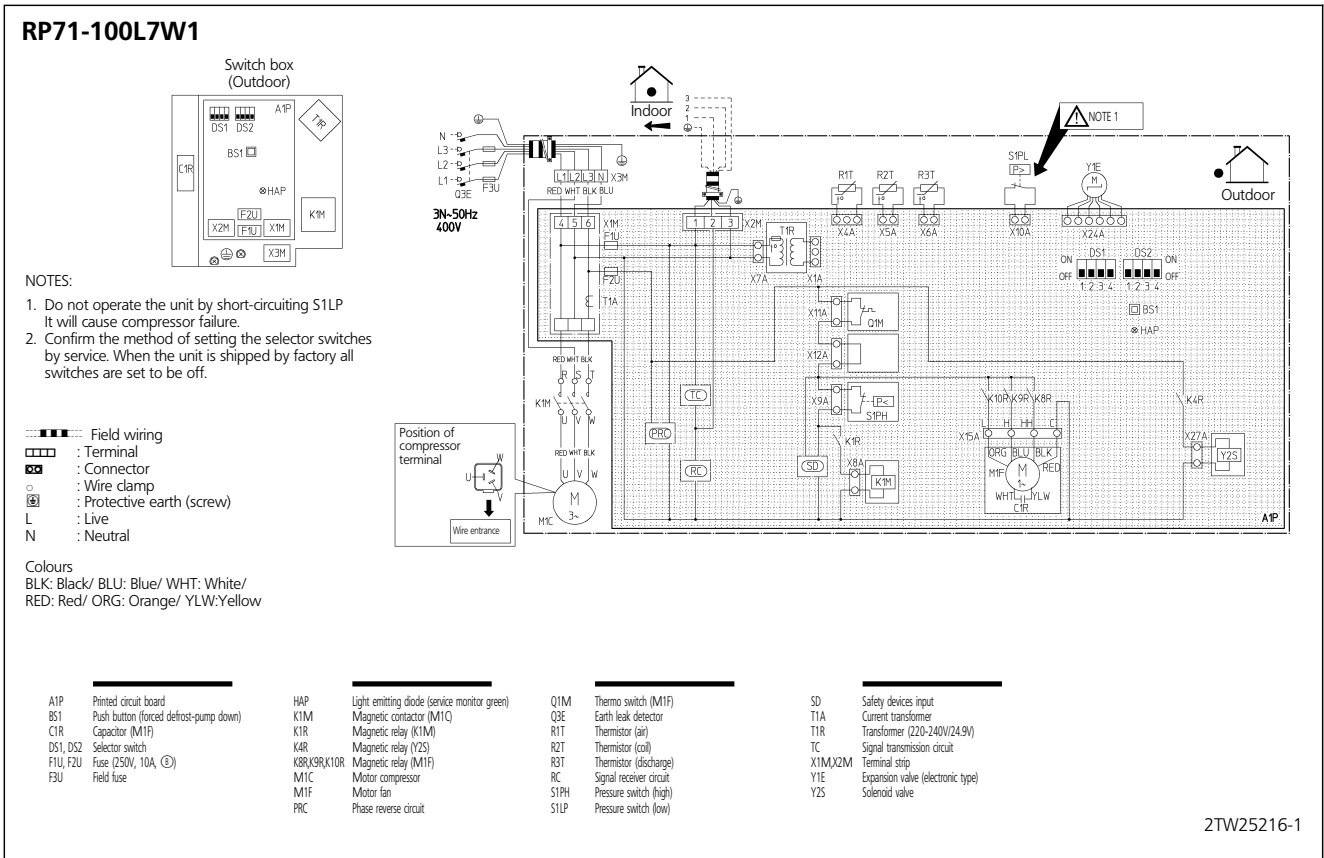
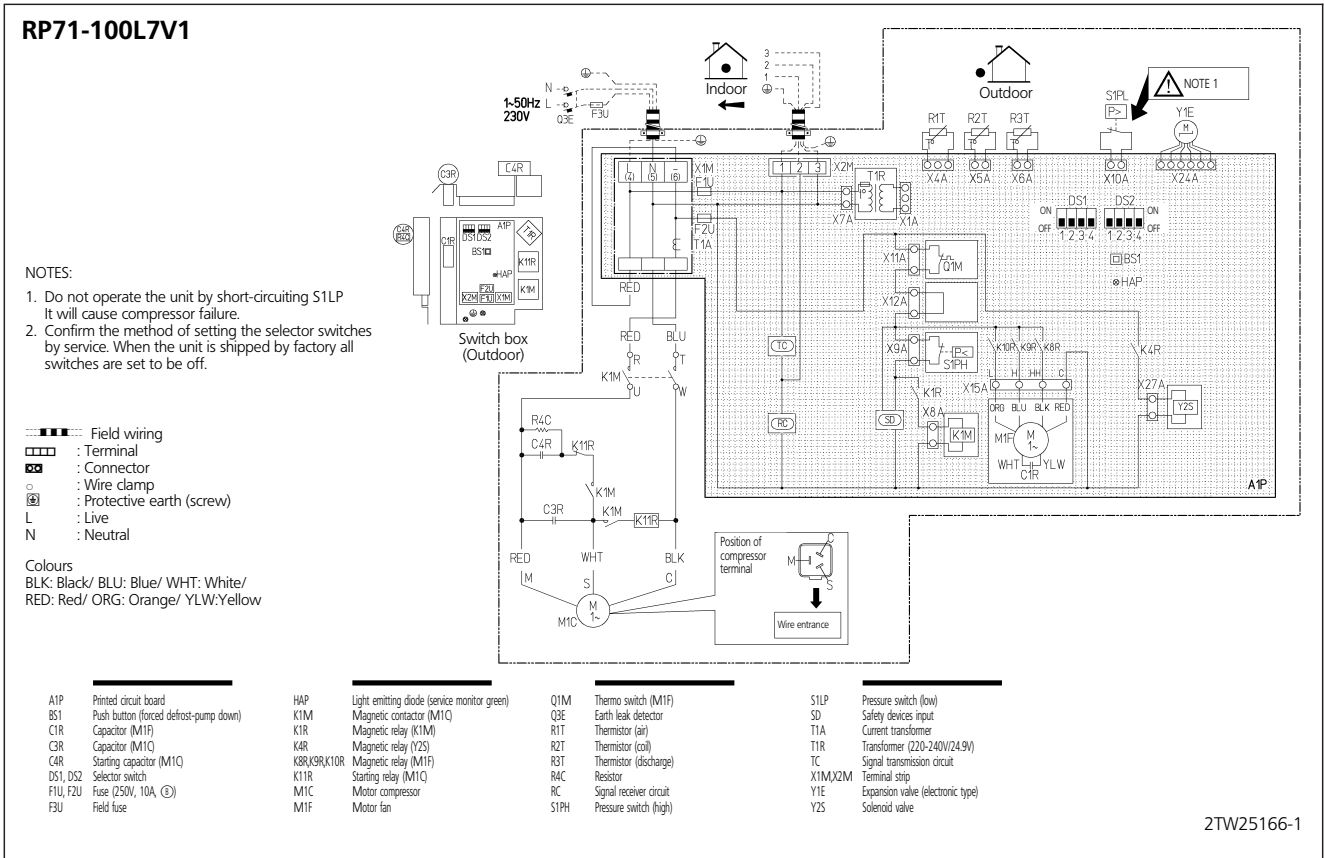
Check valve  
 Flare connection  
 Screw connection  
 Flange connection  
 Pinched pipe  
 Spinned pipe

3TW23615-1

# 7 Wiring diagrams



7



# 7 Wiring diagrams



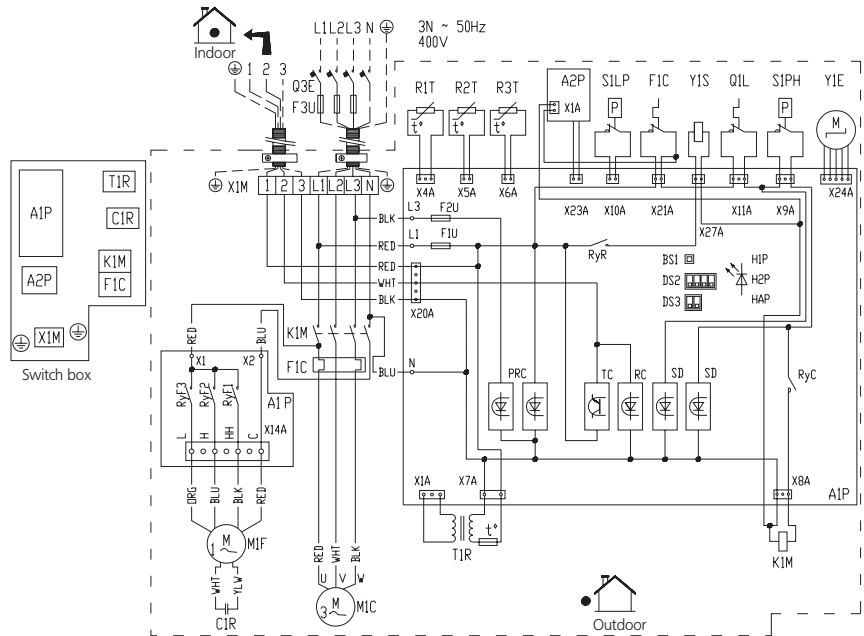
7

## RP71B7T1

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

- Field wiring
- Terminal
- Connector
- Wire clamp
- Protective earth (screw)
- Live
- 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
- BS1 Push button (pump down)
- C1R Capacitor (M1F)
- DS2 Selector switch (various see PCB)
- DS3 Selector switch (emergency)
- F1C Overcurrent relay (M1Q)
- F1U/F2U Fuse (250V, 5A)
- F3U Field fuse
- HAP Light emitting diode (service monitor green)

- H1P/H2P Light emitting diode (service monitor red)
- K1M Magnetic contactor (M1C)
- M1C Motor (compressor)
- M1F Motor (fan)
- PRC Phase reverse circuit
- Q1L Thermo switch (M1F)
- Q3E Earth leak detector
- R1T Thermistor (air)
- R2T Thermistor (coil)

- R3T Thermistor (discharge pipe)
- RC Signal receiver circuit
- RyC Magnetic relay (K1M)
- RyF1-3 Magnetic relay (M1F)
- 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

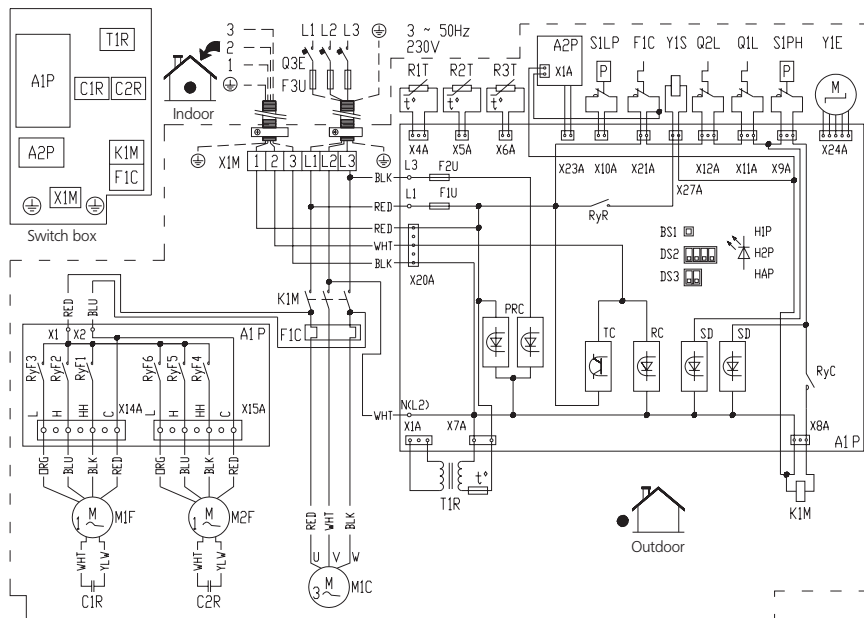
2TW23306-1A

## RP100-125B7T1

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

- Field wiring
- Terminal
- Connector
- Wire clamp
- Protective earth (screw)
- Live
- 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
- BS1 Push button (pump down)
- C1R/C2R Capacitor (M1F-M2F)
- DS2 Selector switch (various see PCB)
- DS3 Selector switch (emergency)
- F1C Overcurrent relay (M1Q)
- F1U/F2U Fuse (250V, 5A)
- F3U Field fuse
- HAP Light emitting diode (service monitor green)

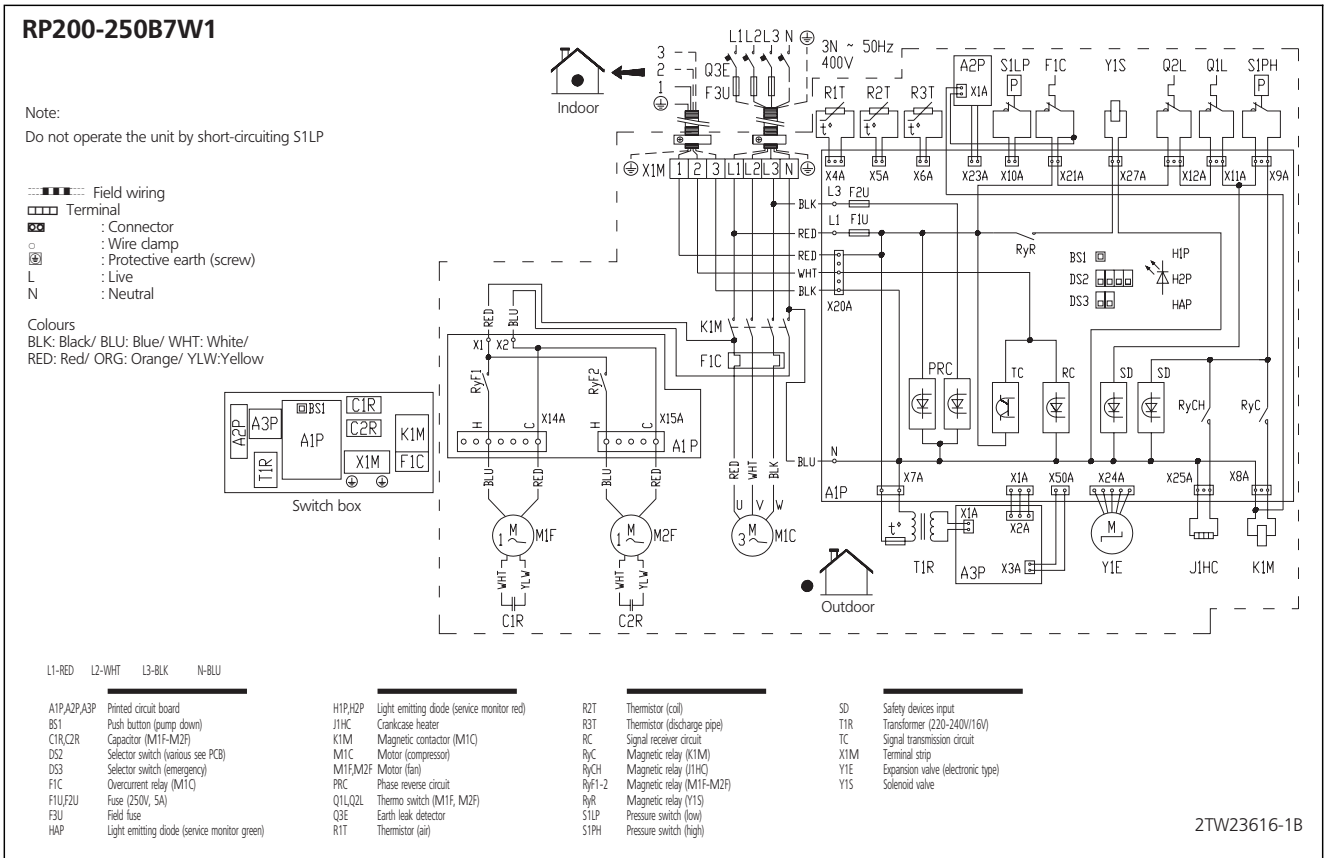
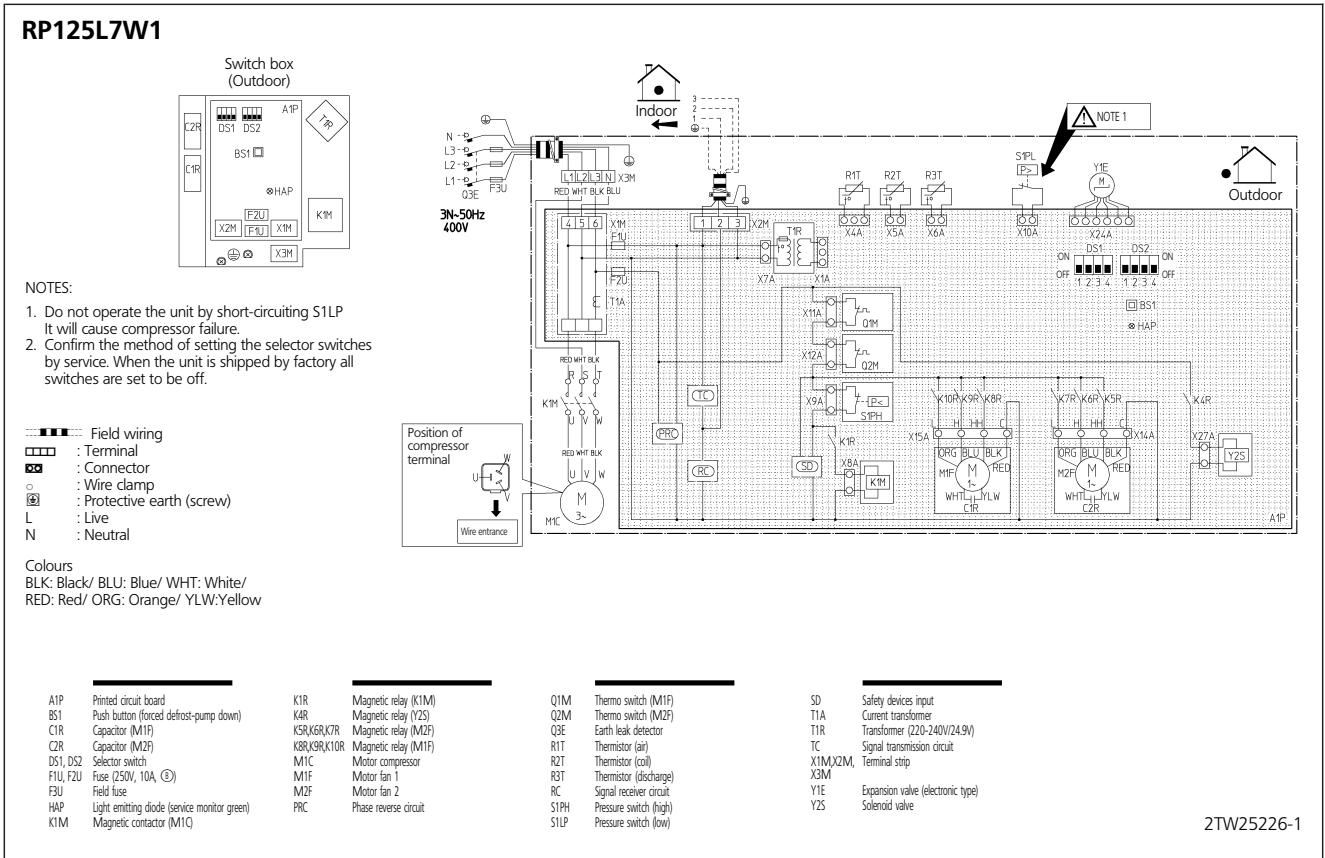
- H1P/H2P Light emitting diode (service monitor red)
- K1M Magnetic contactor (M1C)
- M1C Motor (compressor)
- M1F/M2F Motor (fan)
- PRC Phase reverse circuit
- Q1L/Q2L Thermo switch (M1F, M2F)
- Q3E Earth leak detector
- R1T Thermistor (air)
- R2T Thermistor (coil)

- R3T Thermistor (discharge pipe)
- RC Signal receiver circuit
- RyC Magnetic relay (K1M)
- RyF1-6 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

2TW23356-1A

# 7 Wiring diagrams



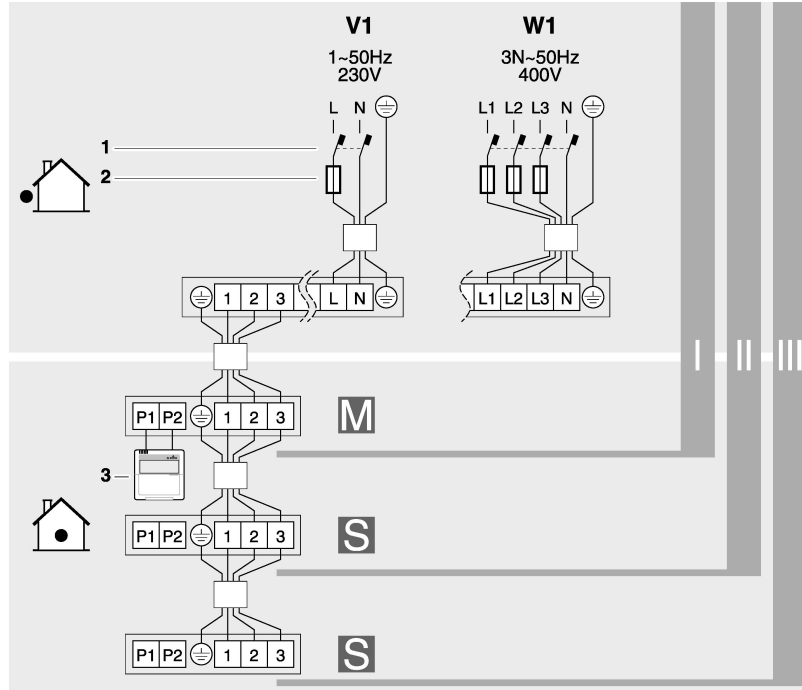
# 7 Wiring diagrams



7

RP71-125L7

Field wire



Symbol explication

- I = Pair
- II = Twin
- III = Triple
- M = Master
- S = Slave
- 1 = Earth leak detector
- 2 = Fuse
- 3 = Remote control

4TW25149-6



# 8 Sound level

## 8-1 Sound level data

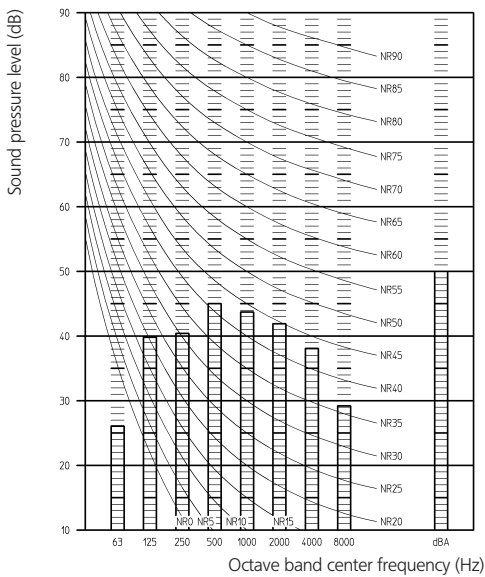


Model	Sound pressure level		Sound power (H) (cooling)
	230V, 50Hz H (cooling)	Measuring location	
RP71L7V1/W1	50		63
RP71B7T1	50		63
RP100L7V1/W1	53		66
RP100B7T1	53		66
RP125L7V1/W1	53		67
RP125B7T1	53		67
RP200B7W1	56		77
RP250B7W1	56		77

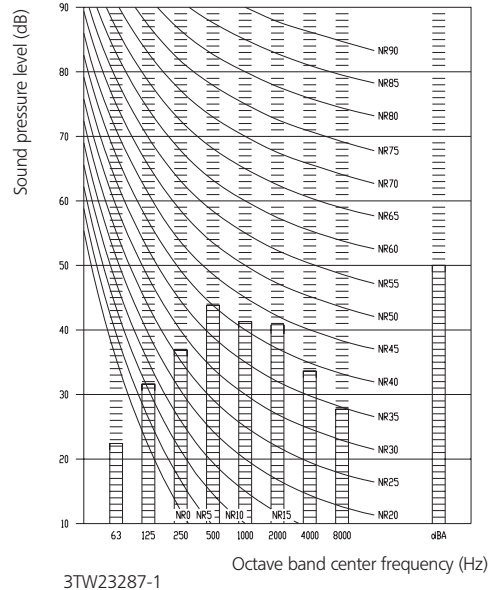
8  
8-1

## 8-2 Sound pressure spectrum

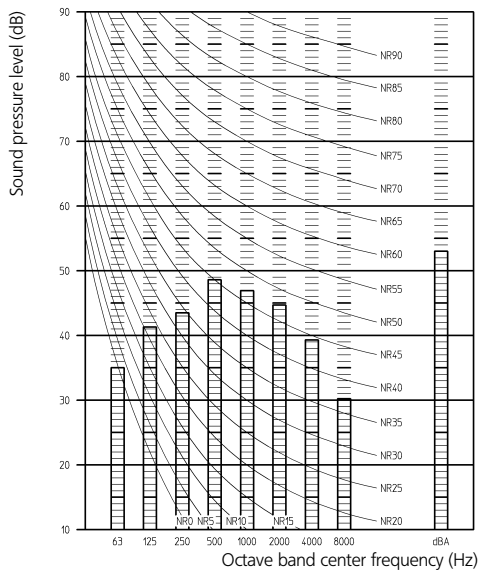
RP71L7V1/W1



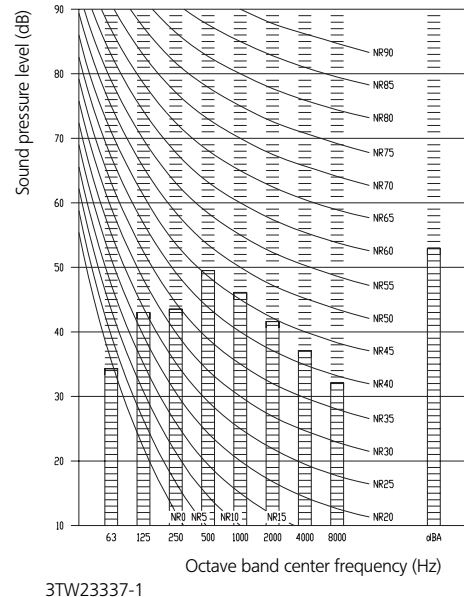
RP71B7T1



RP100L7V1/W1



RP100B7T1

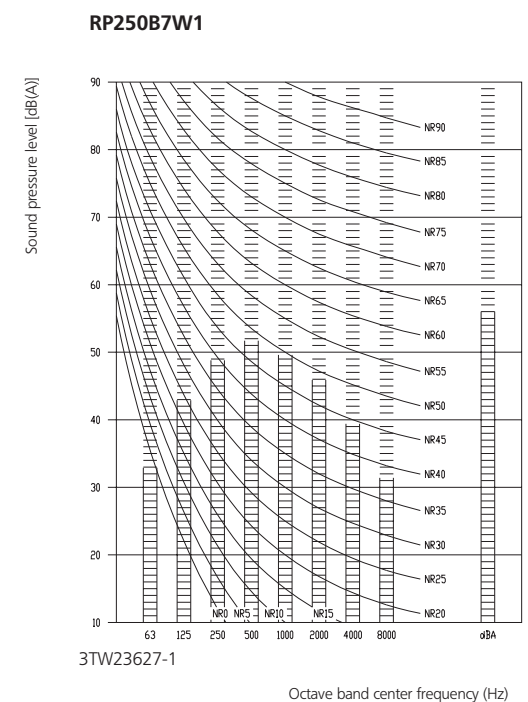
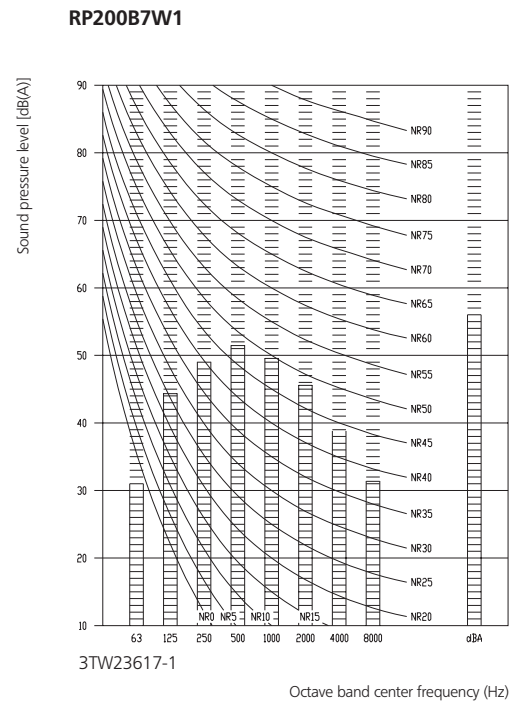
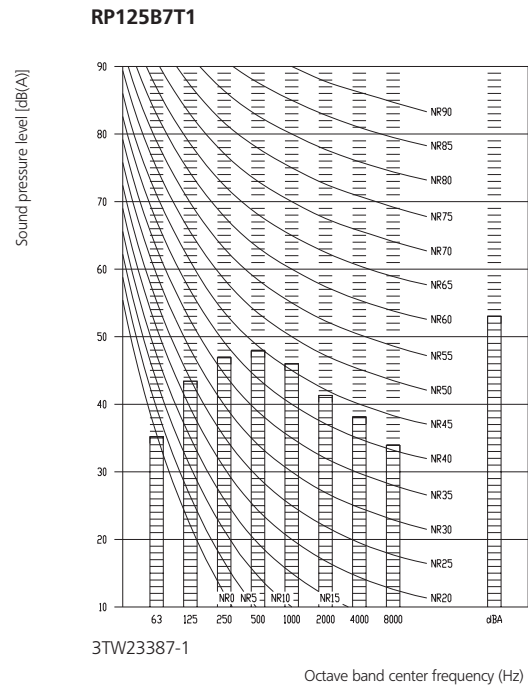
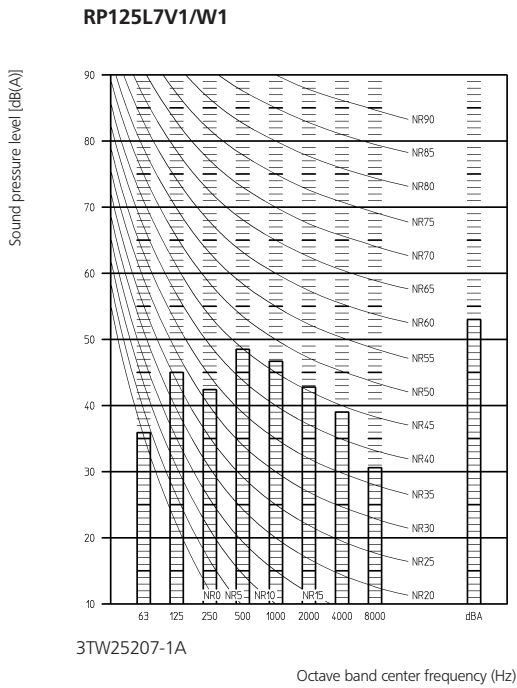


# 8 Sound level

## 8-2 Sound pressure spectrum



8  
8-2

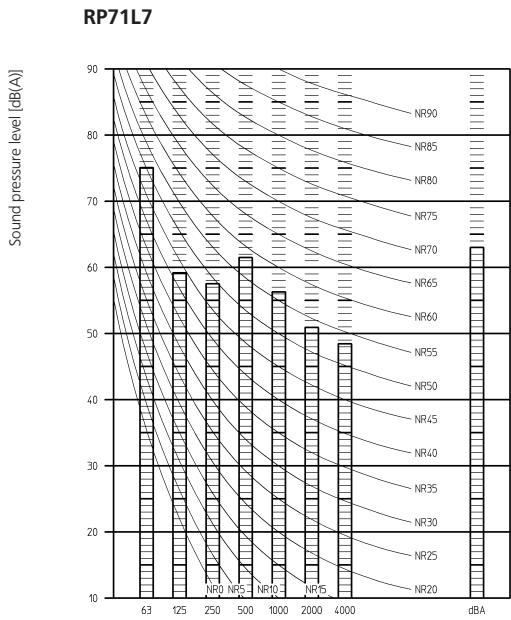


### NOTES

- 1 Data is valid at free field condition
- 2 Data is valid at nominal conditions.
- 3 dB(A) = A-weighted sound pressure level (A-scale according to IEC)
- 4 Reference acoustic pressure 0dB = 20μPa
- 5 Curve for RP71-125L7V1/W1 in cooling mode

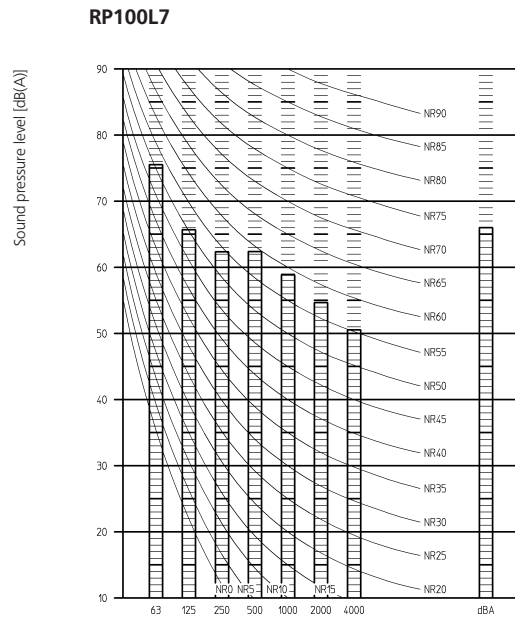
# 8 Sound level

## 8-2 Sound pressure spectrum



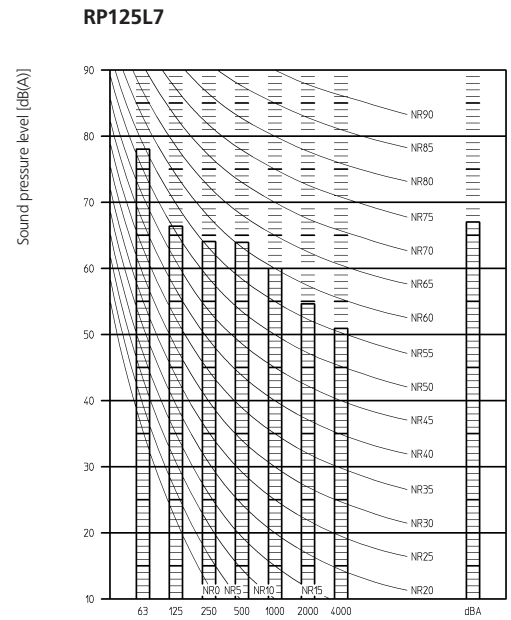
3TW25147-3

Octave band center frequency (Hz)



3TW25157-3

Octave band center frequency (Hz)



3TW25207-3

Octave band center frequency (Hz)

### NOTES

- 1 Data is valid at free field condition
- 2 Data is valid at nominal conditions.
- 3 dB(A) = A-weighted sound pressure level (A-scale according to IEC)
- 4 Reference acoustic pressure 0dB = 20μPa
- 5 Curve for RP71-125L7V1/W1 in cooling mode
- 6 Sound power RP 200 - 250 BF = Not available

# 9 Accessories

## 9-1 Optional accessories



### 9 Available options for RP71-125L7V1,W1

9-1

Name of option		RP71L7/B7	RP100L7/B7	RP125L7/B7
Central drain plug			KKPJ5F180	
Refrigerant branch piping	Twin		KHRQ22M2017	
	Triple	~	KHRP127HB7	
Connection to Air handling unit			EKRPER	

3TW25149-1A  
3TW23189-1A

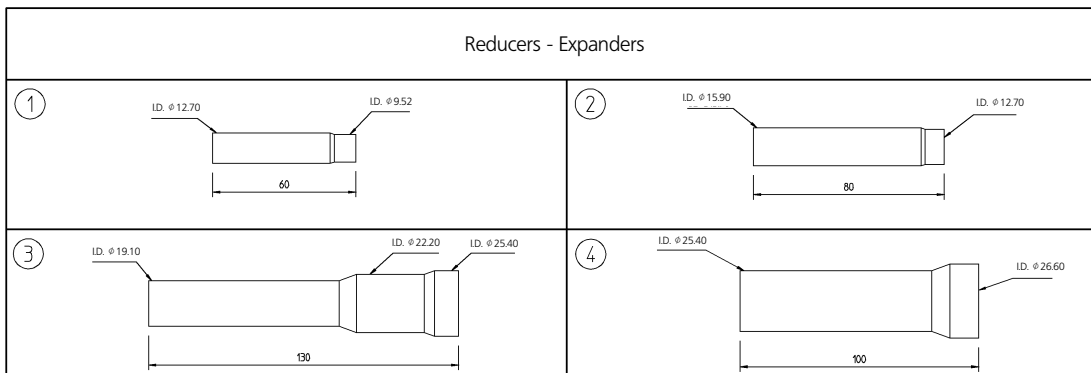
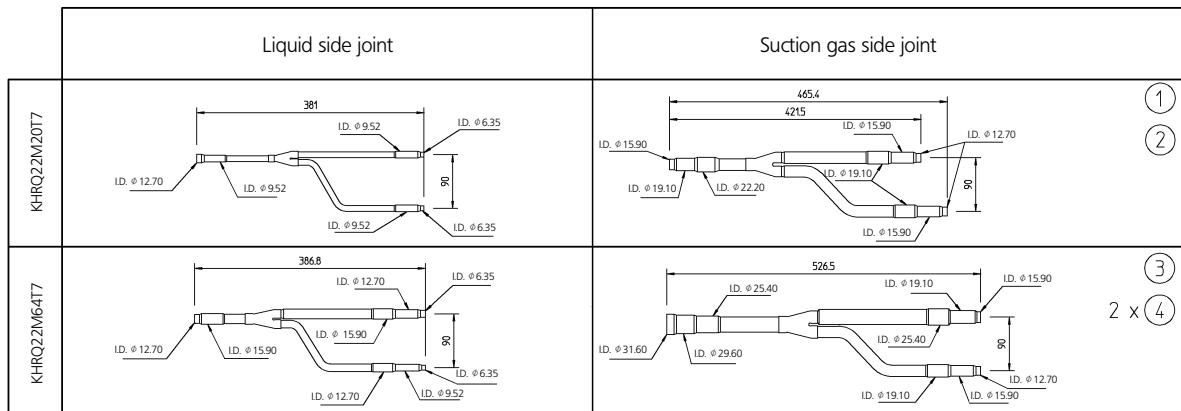
### Available options for RP200-250B7W1

Option	RP200B7	RP250B7
Fan motor size up	NFM22C5	NFM22C10
Refnet	KHRQ22M2017*	
Refnet	KHRQ22M64T7*	
Refnet	KHRP127HB7*	

3TW23619-2A

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

### Refnet kits overview

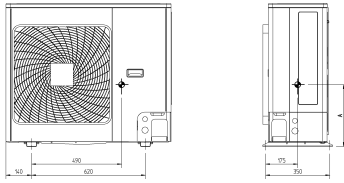


1TW21559-11A

# 10 Center of gravity



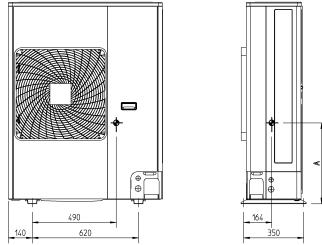
## RP71L7V1/W1



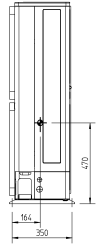
Model	A
RP71L7	335

3TW25149-5

## RP100L7V1/W1

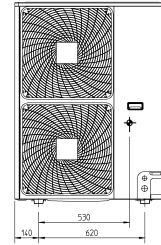


Model	A
RP100-125L7	455

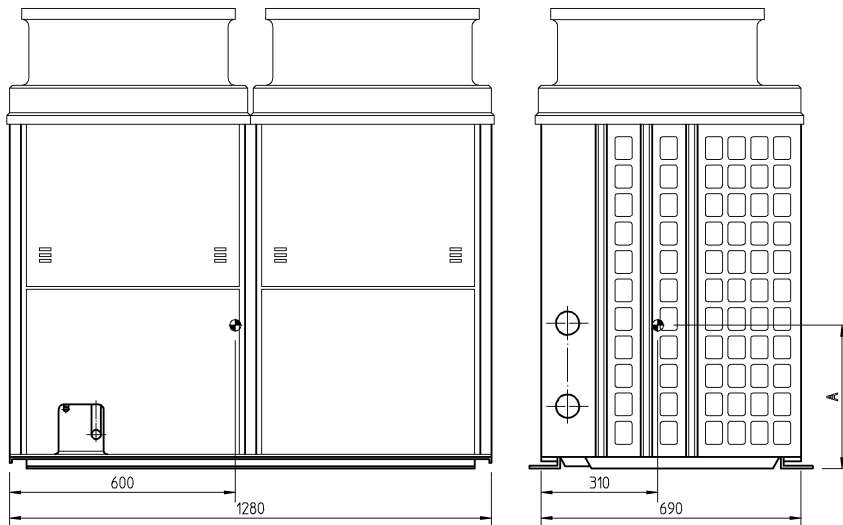


3TW25159-5

## RP125L7W1



## RP200-250



Model	A
RP200B7W1	380
RP250B7W1	510

4TW23619-1

# 11 Safety device settings

## RP71-125L7

Safety device	Model	RP71L7	RP100L7	RP125L7
Fan motor thermal protector			Off 135 ±5°C On 95 ±15°C	
HPS			Off 3.30 ± 0.1 Mpa On 2.55 ± 0.15 Mpa	
LPS			Off -0.03 ± 0.02 Mpa On 0.05 ± 0.02 Mpa	
Max discharge temperature			By thermistor and software control	
Overcurrent relay			By TC on PCB and software control	

4TW25141-2

# 12 Installation



## 12 RP71-125L7/B7

The numerical figures used here represent the dimensions for the models RP71 to 125. The figures inside ( ) indicate the dimensions for the models RP100 and 125. (Unit:mm)

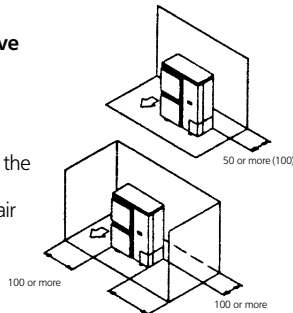
The figures inside <> indicate the dimension of discharge grille when it is installed facing downward

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

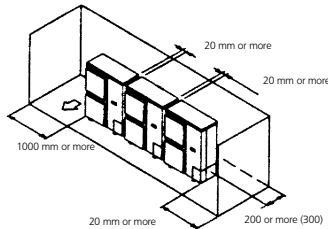
- Where there are no obstacles above the unit

- 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.



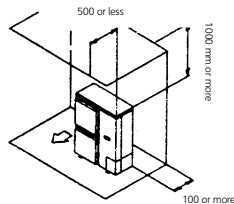
- 2 Installation of multiple units in lateral connection (2 units or more).

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

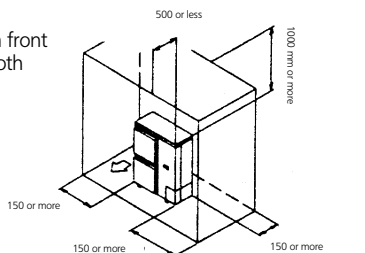


- Where there are obstacles above the unit.

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

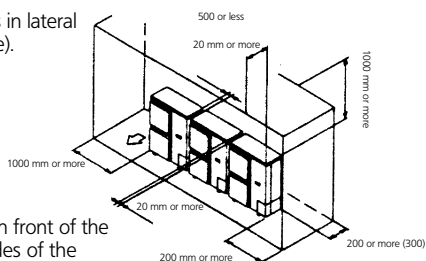


- In case obstacles exist in front of the air inlet and on both sides of the unit.



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

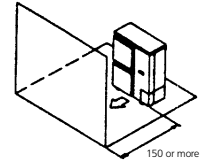
- In case obstacles exist in front of the air inlet and on both sides of the unit.



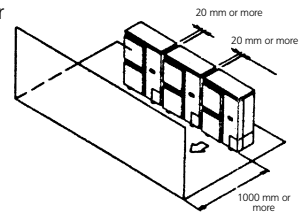
### (B) In case obstacles exist only in front of outlet side

- Where there are no obstacles above the unit.

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

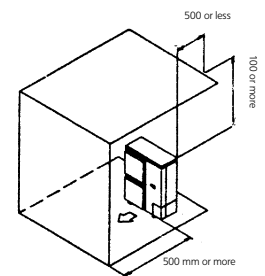


- 2 Installation of multiple units in lateral connection (2 units or more).



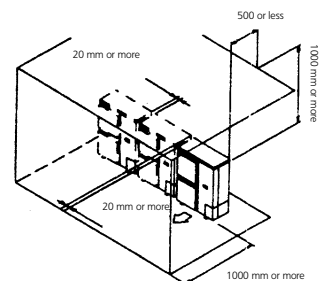
- Where there are obstacles above the unit.

- 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).

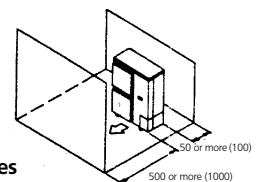
- In case obstacles exist only in front of outlet side.



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

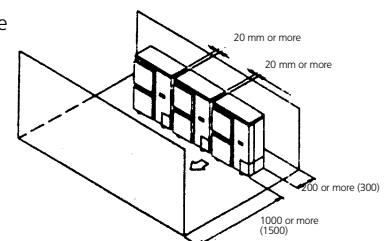
Pattern 1

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).

# 12 Installation



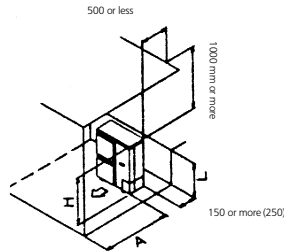
## RP71-125L7/B7

### • 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
$L \leq H$	$0 < L \leq 1/2 H$	750<1250>
	$1/2 H < L$	1000<1500>
$H < L$	Set the frame to be $L \leq H$	

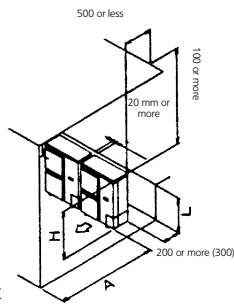


Get the lower part of the frame sealed so that air from the outlet does not bypass

#### 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
$L \leq H$	$0 < L \leq 1/2 H$	1000<1500>
	$1/2 H < L$	1250<1750>
$H < L$	Set the frame to be $L \leq H$	



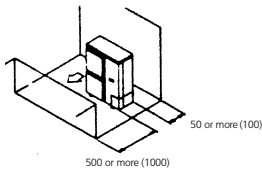
Get the lower part of the frame sealed so that air from the outlet does not bypass  
Do not install more than 2 units

#### Pattern 2

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

### • Where there are no obstacles above the unit.

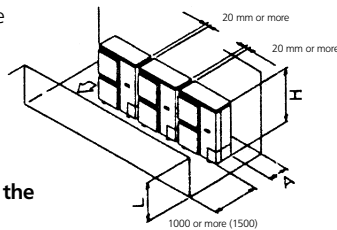
#### 1 Installation of single unit.



#### 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
$L \leq H$	$0 < L \leq 1/2 H$	150 (250)
	$1/2 H < L$	200 (300)

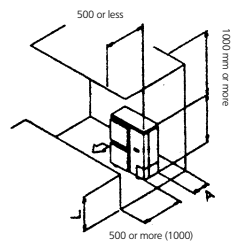


### • Where there are obstacles above the unit.

#### 1 Installation of single unit.

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

	L	A
$L \leq H$	$0 < L \leq 1/2 H$	50 (100)
	$1/2 H < L$	100 (200)
$H < L$	Set the frame to be $L \leq H$	

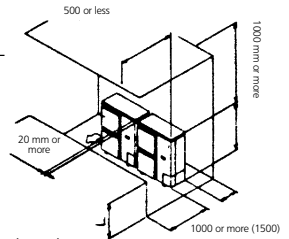


Get the lower part of the frame sealed so that air from the outlet does not bypass

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

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

	L	A
$L \leq H$	$0 < L \leq 1/2 H$	150 (250)
	$1/2 H < L$	200 (300)
$H < L$	Set the frame to be $L \leq H$	



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

Do not install more than 2 units

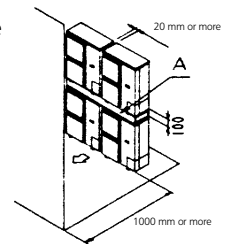
### (D) In case of stacked installation

#### 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.

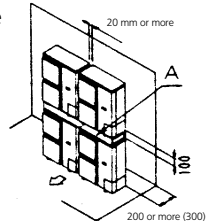


#### 2 In case obstacles exist in front of the air inlet.

Do not stack more than one unit.

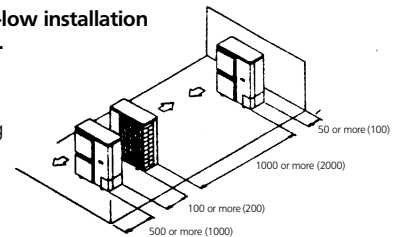
About 100mm is required as the dimension for laying the upper outdoor unit's drain pipe.

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

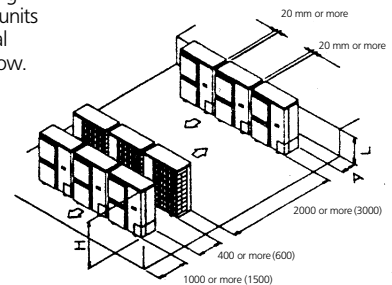


### (E) In case of multiple-low installation (for roof top use, etc.).

#### 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
$L \leq H$	$0 < L \leq 1/2 H$	150 (250)
	$1/2 H < L$	200 (300)
$H < L$	Installation impossible	



# 12 Installation



46

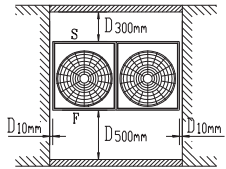
DAIKIN

12  
RP200-250B7

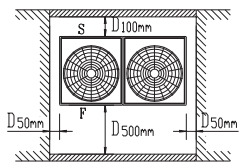
DAIKIN

## Single installation

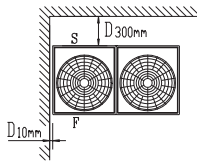
### Case 1



### Case 2

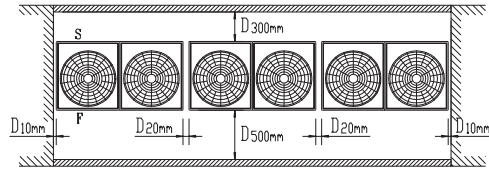


### Case 3

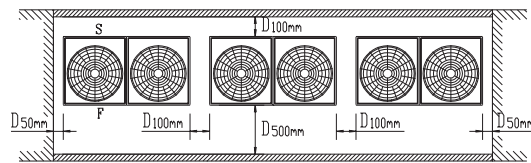


## Installation in a row

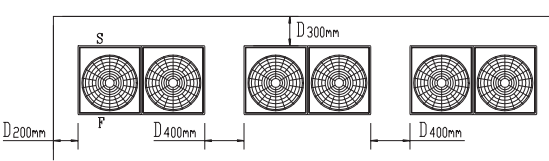
### Case 1



### Case 2

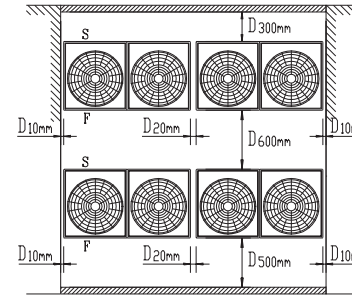


### Case 3

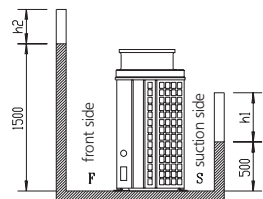
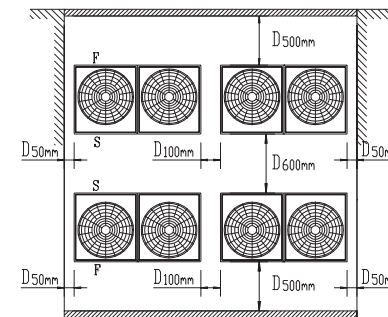
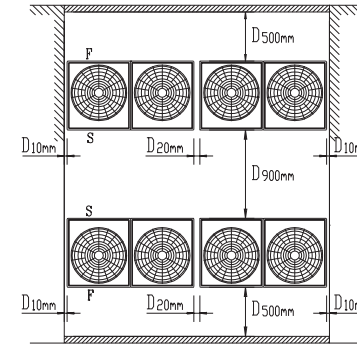
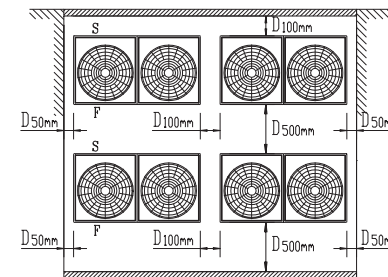


## Concentrated installation

### Case 1



### Case 2



- 1 Case 1 and 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.

3TW23619-4



# 12 Installation



## R(Y)(E)P-L

### A. Non stacked installation

	SSO	DSO	LSO	RSO	TSO		A	B1	B2	C	D1	D2	E	L1/L2	
	✓							≥50(100)							
	✓		✓	✓			≥100	≥100		≥100					
	✓				✓			≥100				≤500	≥1000		
	✓		✓	✓	✓		≥150	≥150		≥150		≤500	≥1000		
		✓				✓			≤500			≥500			
	✓	✓										≥500			
							L1<L2					≥500			
							L2<L1					≥500			
							L1<L2	L1≤H	≥150(250)	≤500		≥750		≥1000	0<L1≤0.5H 0<L1≤0.5H
	✓	✓				✓		x			L1≤H				
						L2<L1	L2≤H	≥50(100) ≥100(200)			≥500 (1000)	≥500	≥1000	0<L2≤0.5H 0.5H<L2≤H	
							x			L2≤H					
	✓		✓	✓			≥200	≥200(300)		≥1000					
	✓		✓	✓	✓		≥200	≥200(300)		≥1000		≤500	≥1000		
		✓							≤500		≥1000		≥1000		
			✓			✓					≥1000				
	✓	✓					L1<L2	≥200(300)			≥1000				
							L2<L1	≥150(250) ≥200(300)			≥1000 (1500)				0<L2≤0.5H 0.5H<L2≤H
							L1<L2	L1≤H	≥200(300)	≤500		≥1000		≥1000	0<L1≤0.5H 0.5H<L1≤H
	✓	✓				✓		x			L1≤H				
							L2<L1	L2≤H	≥150(250) ≥200(300)			≥1000 (1500)	≤500	≥1000	0<L2≤0.5H 0.5H<L2≤H
								x			L2≤H				

### Legend

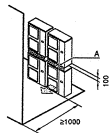
= mm

- SSO Suction side obstacle
- DSO Discharge side obstacle
- LSO Left side obstacle
- RSO Right side obstacle
- TSO Top side obstacle

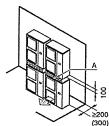
- ✓ Obstacle is present
- In these cases, close the bottom of the installation frame to prevent discharged air from being bypassed.
- In these cases, only 2 units can be installed.
- x This situation is not allowed.
- ( ) Figures between ( ) indicate the dimensions only for the 100-125 class models.

### B. Stacked installation

#### 1. Obstacles exist in front of the outlet side



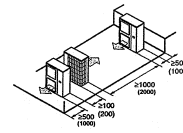
#### 2. Obstacles exist in front of the air inlet



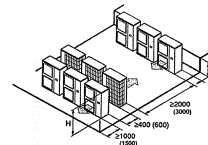
Do not stack more than one unit.  
About 100mm is required as the dimension for laying the upper outdoor unit's drain pipe.  
Get the portion A sealed so that air from the outlet does not bypass.

### C. Stacked installation

#### 1. Installation of one unit per row



#### 2. 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 ≤ 0.5 H 0.5 H < L	150 (250) 200 (300)
H < L	Installation impossible	

# 12 Installation



## 12 Refrigerant pipe size

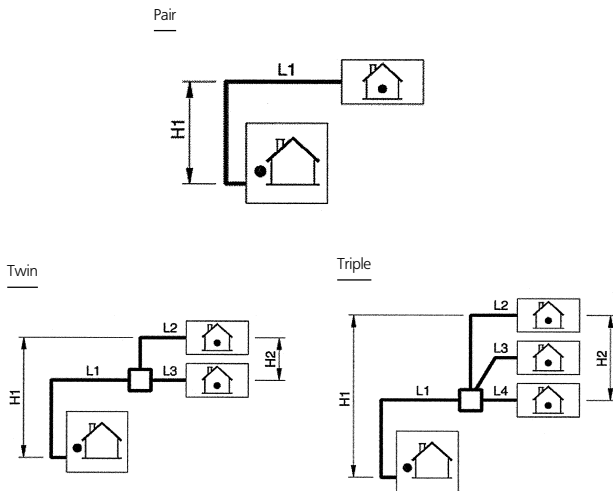
Pair system

Model	Piping length	
	Gas pipe	Liquid pipe
71	φ 15.9x1.0	φ 9.5x0.8
100, 125	φ 19.1x1.0	

The pipes between the outdoor unit and the branch (L1) should have the same size as the outdoor connections. The pipes between the branch and the indoor units (L2-L4) should have the same size as the indoor connections.

### Allowable pipe length and height difference

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.



Allowable pipe length			
Maximum allowable pipe length (figures between parenthesis represent equivalent length)	Pair	L1	70 m
	Twin/Triple	L1+L2	(90 m)
Maximum total one-way pipe length	Twin	L1+L2+L3	80 m
	Triple	L1+L2+L3+L4	
Maximum branch pipe length	Twin/Triple	L2	20 m
Maximum difference between branch lengths	Twin	L2-L3	10 m
	Triple	L2-L4	
Maximum height between indoor and outdoor	All	H1	30 m
Maximum height between indoors	Twin/Triple	H2	0.5 m
Chargeless length	All	L1+L2+L3+L4	≤30 m

The minimal piping length should be 5 m. If installation is performed with less field piping, the system will be overcharged (abnormal HP, etc.). If the distance between indoor and outdoor unit is less than 5 m, please make sure that the piping length is ≥5 m by additional bending of the pipes.

### Charging refrigerant

This unit requires additional charging of refrigerant according to the length of pipe connected at the site. Charge the refrigerant to the liquid pipe in its liquid state. Since R-407C is a mixed refrigerant, its composition changes if charged in a state of gas and normal system operation would no longer be assured.

On this model it is not necessary to charge additionally if the piping length ≤30 m.

On twin/triple application, piping length means sum of main pipe and branch pipe.

Piping length is the 1 way length, gas or liquid.

Over 30 m or for complete recharging, please charge based as shown in the figures, where the pipe length is respectively L1+L2+L3 and L1+L2+L3+L4.

### Additional charging of refrigerant

Over 30 m please, add refrigerant quantity according to following table.

For future servicing, mark with a circle the selected amount on the tables below.

### Pair system

Table 1: Additional charging amount <unit: kg>

	Model	Piping length			
		Class	30~40m	40~50m	50~60m
H/P	71	+0.50	+1.00	+1.50	+2.00
	100-125	+0.75	+1.50	+2.25	+3.00
C/O	71-100-125	+0.25	0.50	+1.75	+1.00

### For twin/triple system

Please charge additionally according to the following calculation. (Additional amount is R1 + R2)

- G1: total length of φ 9.5 mm liquid piping  
G2: total length of φ 6.4 mm liquid piping
- G1 > 30 m  
calculate length over 30 m (+ G1 - 30 m)  
Based on this length decide R1, R2 in the table
  - G ≤ 30 m and G1 + G2 > 30 m  
calculate total length over 30 m (= G1 + G2 - 30 m)  
Total additional charge amount
- Total additional charge amount  
R = R1 + R2 (kg)

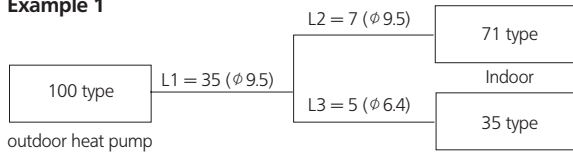
Table 2: Additional charging amount <unit: kg>

	Model	Piping	φ	Length exceeding 30 m					
				0-10	10-20	20-30	30-40	40-50	
H/P	71	Main	9.5	0.50	1.00	1.50	2.00	2.50	R1
			100-125	9.5	0.75	1.50	2.25	3.00	
	71	Branch	9.5	0.30	1.00	1.50	2.00	2.50	R1
			100-125	9.5	0.75	1.50	2.25	3.00	
C/O	71-100-125	Main	9.5	0.25	0.50	0.75	1.00	1.25	R1
			9.5	0.25	0.50	0.75	1.00	1.25	
	71-100-125	Branch	9.5	0.15	0.30	0.45	0.60	0.75	R2
			6.4	0.15	0.30	0.45	0.60	0.75	

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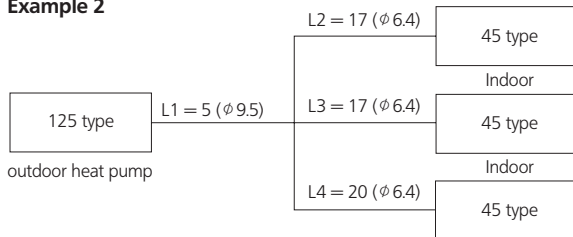


### Example 1



1.  $G1 = L1 + L2 = 35 + 7 = 42\text{ m}$        $G2 = L3 = 5$
2. Over 30 m
  - a  $G1 - 30 = 12\text{ m}$        $\rightarrow \phi 9.5\text{ R1} = 1.50\text{ kg}$
  - b  $G2 = 5\text{ m}$        $\rightarrow \phi 6.4\text{ R2} = 0.30\text{ kg}$
3. Refrigerant charge amount=  $R = R1 + R2 = 1.50 + 0.30 = 1.80\text{ kg}$

### Example 2



1.  $G1 = L1 = 5\text{ m}$        $G2 = L2 + L3 + L4 = 17 + 17 + 20 = 54$
2. Over 30 m
  - a  $G1 = 5\text{ m}$        $\rightarrow R1 = 0.0\text{ kg}$
  - b  $(G1 + G2) - 30 = (5 + 54) - 30 = 29 \rightarrow \phi 6.4\text{ R2} = 0.90\text{ kg}$
3. Refrigerant charge amount=  $R = R1 + R2 = 0.0 + 0.9 = 0.9\text{ kg}$

In case of complete recharge of the refrigerant, please first execute vacuuming. Execute this vacuuming from the service port. Do not use the port of the stop valve for vacuuming. Vacuuming can not be executed completely using such port.

Position of service port:

Heat pump: On the piping between the heat exchanger and the 4-way valve.

Cooling only: On the discharge pipe.

### Complete charging of the refrigerant (after a leak, etc.)

When the entire refrigerant pipe length is within 30 meters, charge the refrigerant in accordance with the amount mentioned in the nameplate, and when the pipe length exceeds 30 meters, the charging amount mentioned in the nameplate and that required for additional charging are to be totalled as the net charging amount.

# 12 Installation



## 12 RP200-250B7

Refrigerant pipe size

### 1. Pair system (fig. 1)

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

### 2. Simultaneous operation system

Twin and triple operation system (fig. 2 / fig. 3)  
 The pipes between the outdoor unit and the branch (L1) should have the same size as the outdoor connections.

The pipes between the branch and the indoor units (L2-L4) should have the same size as the indoor connections.

Branch: see marking '□' on the figures. Double twin operation system (fig. 4)  
 The pipes between the outdoor unit and the branch (L1) should have the same size as the outdoor connections.

The pipes between the branch and the indoor units (L2-L4) should have the same size as the indoor connections.  
 Branch: see marking '□' on the figures.

Outdoor unit	Refrigerant pipe size	
	Gas pipe	Liquid pipe
RP200,250	∅ 19.1	∅ 9.5

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.

	Pair	L1	
	Maximum allowable pipe length (figures between parenthesis represent equivalent length)	Twin/triple	
Maximum total one-way pipe length	Double twin	L1+L2+L4	60m
	Twin	L1+L2+L3	
	Triple	L1+L2+L3+L4	
Maximum branch pipe length	Double twin	L1+L2+L3+L4+L5+L6+L7	20m
	Twin/triple	L2	
	Double twin	L2+L4	
Maximum difference between branch lengths	Twin	L2-L3	10m
	Triple	L2-L4	
	Double twin	(L2+L4)-(L3+L7)	
Maximum difference between each 1st branch	Double twin	L2-L3	10m
Maximum difference between each 2nd branch	Double twin	L4-L5, L6-L7	10m
Maximum height between indoor and outdoor	All	H1	30m
Maximum height between indoors	Twin / triple / double twin	H2	0.5m

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fig. 1: Pair

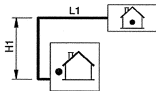


fig. 2: Twin

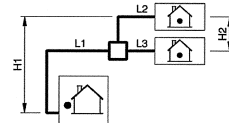


fig. 3: Triple

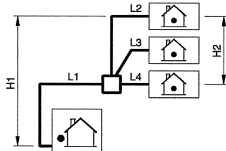
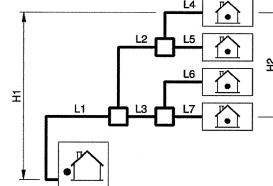


fig. 4: Double twin



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 found by using the following formulas (if G<0: no addition is required).

### 1. Pair system

L1 (m) One way length of liquid pipe

RP200	$G = (L1-30) * 0.06$
RP250	$G = (L1-30) * 0.09$

### 2. Simultaneous operation system

L1 (m) One way length of main liquid pipe

L2-L7 (m) One way length of branched liquid pipes

RP200	$G = (L1-30) * 0.06 + L2*A + L3*A + L4*A + L5*A + L6*A + L7*A$
RP250	$G = (L1-30) * 0.09 + L2*A + L3*A + L4*A + L5*A + L6*A + L7*A$

Outdoor unit	Branched pipe	A
RP200,250	∅ 9.5	0.03 kg/m

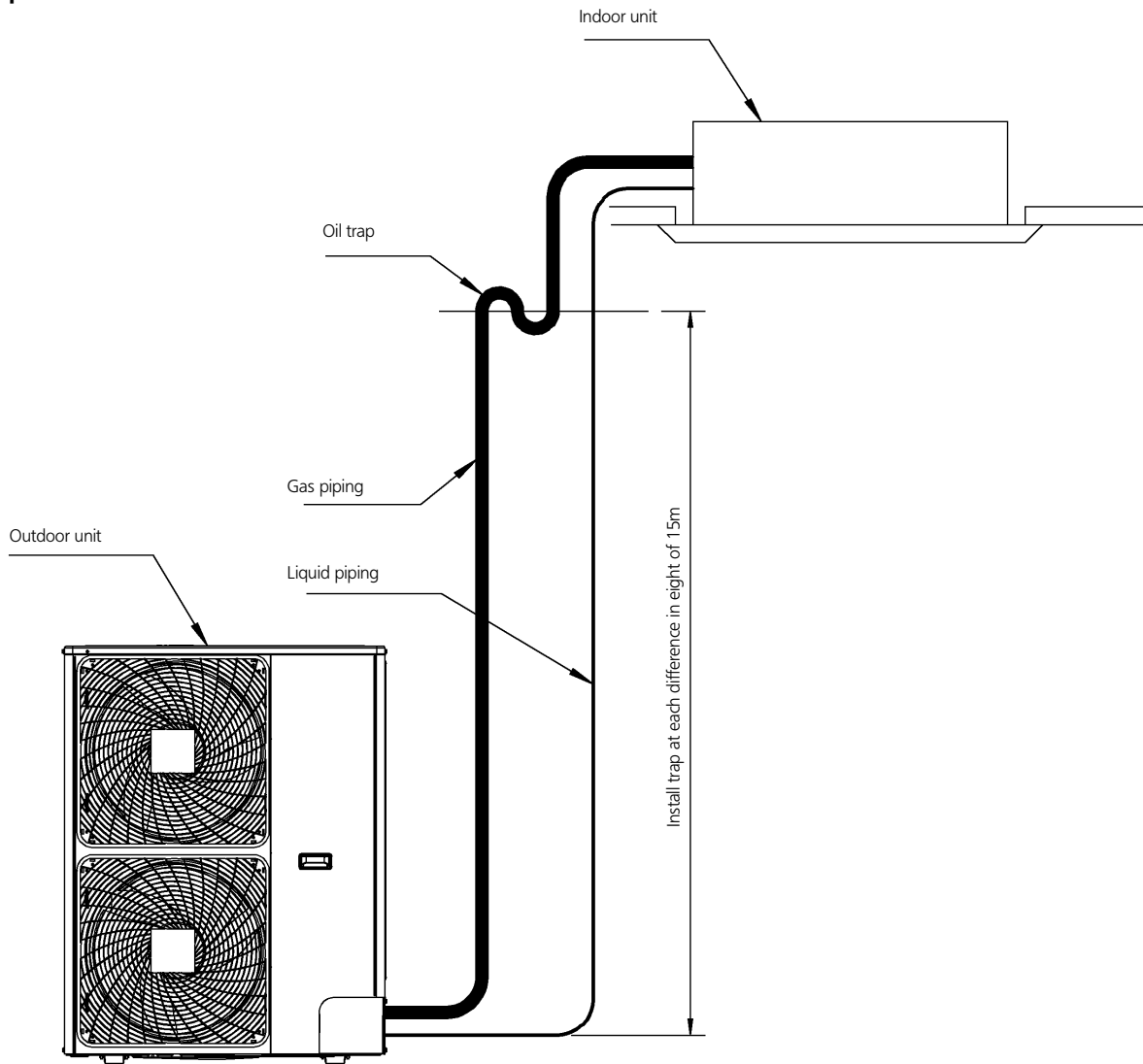
# 12 Installation



RP71-125L7

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## Oil trap



**NOTE:**

Since there is fear of the oil held inside the riser piping flowing back into the compressor when stopped and causing liquid compression phenomenon, or cases of deterioration of oil return, it will be necessary to provide a trap at an appropriate place in

A trap is not necessary when the outdoor unit is installed in a higher position than the indoor unit.

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