

DAIKIN



TECHNICAL DATA

Split-Sky Air



RYP-B7



**Twin/Triple/Double
Twin Application**

Split Sky Air



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



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



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DAIKIN EUROPE NV Zandvoordestraat 300, B-8400 Oostende

Internet <http://www.daikin.be>



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1 Features



Outdoor units for twin/triple/double twin application.

- It is possible to connect 2, 3 or 4 indoor units to one single outdoor unit. The indoor units may be of different types (e.g. ceiling mounted cassette, wall mounted,...) and even different capacities (e.g. 45 and 60 class). All indoor units are operated together within the same mode (cooling or heating) from one remote control. This allows an equal air distribution in larger rooms, even if they are irregularly shaped.
- Daikin outdoor units are neat and sturdy and can be mounted easily on a roof or terrace or simply placed against an outside wall. The ozone friendly outdoor units are fitted with either a swing or rotary compressor, renowned for low noise and high energy efficiency. A special acryl precoated fin for anti-corrosion treatment on the heat exchanger ensures greater resistance against severe weather conditions.

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2 Specifications



TECHNICAL SPECIFICATIONS									
OUTDOOR UNITS				RYP71B7V1/W1	RYP100B7V1/W1	RYP125B7W1	RYP200B7W1	RYP250B7W1	
DIMENSIONS	Unit	H	mm	860	1,215	1,215	1,220	1,440	
		W	mm	880	880	880	1,290	1,290	
		D	mm	320	320	320	700	700	
WEIGHT			kg	89/86	104/99	102	196	210	
MATERIAL	Unit Painted galvanised steel plate								
COLOUR	Unit Ivory white								
SOUND LEVEL	Sound pressure (1) (cooling/heating)	high	dBA	50/52	53/56	53/56	57/57	57/57	
		low	dBA	–	–	–	–	–	
	Sound power (2) (cooling/heating)			dBA	63/–	66/–	67/–	77/78	77/78
FAN	Air flow rate (cooling)	high	m ³ /min	51	94	94	170	175	
	Air flow rate (heating)	high	m ³ /min	46	82/85	85	–	–	
	Speed	steps			3 steps	3 steps	3 steps	1 step	1 step
		high	rpm		–	–	–	–	–
		low	rpm		–	–	–	–	–
	Type			–	–	–	–	–	
	Qty x model				1 x P47L11S	2 x P47L11S	2 x P47L11S	1 x P55J11F	1 x P55J11F
Qty x motor output			W	1 x 80	1 x (80+85)	1 x (80+85)	1 x (230+190)	1 x (230+190)	
HEAT EXCHANGER	Type			Hi-XA cooling tube, non symm. waffle louvre			ø 8 Sealing		
	Rows x stages x fin pitch		mm	2 x 38 x 2.0	2 x 54 x 2.0	2 x 54 x 2.0	2 x 40 x 2	2 x 50 x 2	
	Face area		m ²	0.719	1.022	1.022	1.57	1.97	
REFRIGERANT CIRCUIT	Refrigerant type			R-407C	R-407C	R-407C	R-407C	R-407C	
	Refrigerant charge		kg	3.1	3.6	3.9	7.5	9.2	
	Number of circuits			–	–	–	–	–	
	Refrigerant control			Expansion valve (electronic type)			Expansion valve		
COMPRESSOR	Type			Hermetically sealed scroll type					
	Qty x model			1xJT90FA-V1N/ 1xJT90FA-YE	1xJT125FA-V1N/ 1xJT125FA-YE	1xJT160FA-YE	1xJT236DA-YE@2	1xJT300DA-YE@2	
	Motor output x no			2,200 x 1	3,000 x 1	3,750 x 1	5,500 x 1	7,500 x 1	
	No. of cylinders			–	–	–	–	–	
	Speed		rpm	–	–	–	2,900	2,900	
	Oil type			DAPHNE FVC68D					
	Oil charge volume		ℓ	1.2	1.5	1.5	4	4	
	Crankcase heater		W	–	–	–	50	72	
PIPING CONNECTIONS	liquid	mm	ø9.5	ø9.5	ø9.5	ø12.7 x 0.90	ø15.9 x 0.95		
	gas	mm	ø15.9	ø19.1	ø19.1	ø28.6 x 1.15	ø28.6 x 1.15		
	drain	mm	ø26 x 3	ø26 x 3	ø26 x 3	ø26 x 6	ø26 x 6		
INSULATION MATERIAL	Heat insulation			Both liquid and gas pipes					
SAFETY DEVICES				High and low pressure switch, thermal protector for indoor and outdoor fan motor, overcurrent relay (compressor), reverse phase protector, fuse			High and low pressure switch, thermal protection for indoor and outdoor fan motor, fuse, overcurrent relay (compressor), reserve phase protection, compr. Thermal protection		


2 Specifications



ELECTRICAL SPECIFICATIONS								
OUTDOOR UNITS				RYP71B7V1/W1	RYP100B7V1/W1	RYP125B7W1	RYP200B7W1	RYP250B7W1
CURRENT	Nominal running current	cooling	A	-	-	-	14.4	17.2
	Starting current	cooling	A	-	-	-	-	-
	Maximum running current	cooling	A	-	-	-	17.9	27.5

OUTDOOR UNITS				RYP71B7V1/W1	RYP100B7V1/W1	RYP125B7W1	RYP200B7W1	RYP250B7W1
POWER SUPPLY				V1/W1	V1/W1	W1	W1	W1
NOMINAL DISTRIBUTION SYSTEM VOLTAGE	Phase			1~/3N~	1~/3N~	3N~	3N~	3N~
	Frequency		Hz	50	50	50	50	50
	Voltage		V	230/400	230/400	400	400	400

NOTES

- 1 The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value, depending on the distance and acoustic environment. For measuring conditions: please refer to item 9 of this chapter.
- 2 The sound power level is an absolute value indicating the "power" which a sound source generates.
- 3 Maximum allowable distance between indoor and outdoor unit: 70m (for RYP71-125B7), 50m (for RYP200-250B7); 70m equivalent. Maximum allowable level difference: 30m.
- 4  Additional refrigerant charge 100 g/m for total piping length >30 m (for RYP200B7), 140 g/m for total piping length >30 m (for RYP250B7). For RYP71-125B7: no additional refrigerant charge.

ELECTRICAL DATA

See chapter RY-EAZ7 / RYP-B7 for the electrical data of RYP71-100-125-200-250B7

3 Combination table



Possible combinations and standard capacity for twin, triple and double twin operation

RYP71-100-125B7W1

		Possible indoor combination					
		Simultaneous operation					
Outdoor models	Twin			Triple			
RYP71B7V1/W1	35-35 (KHRP79BA7)						
RYP100B7V1/W1	45-45 (KHRP79BA7)	45-60 (KHRP79BA7)	35-71 (KHRP79BA7)	35-35-35 (KHRP86HA7)			
RYP125B7W1	60-60 (KHRP79BA7)	45-71 (KHRP79BA7)		45-45-45 (KHRP86HA7)			

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NOTES

- Possible indoor units: FHYCP35-71, FHYP35-71, FHYBP35-71, FUYP71, FAYP71, FHYKP71
- Individual indoor capacities are not given because the combinations are for simultaneous operation (=indoor units installed in same room).
- When different indoor models are used in combination, designate the remote controller that is equipped with the most functions as the main unit.
In note 1 are the indoor units mentioned in order of the possible function (most functions are on FHYC, less functions are on FHYB).
- Between brackets are the required Refnet kits mentioned, that are necessary to install the combination.
- For unit specification of the outdoor units and the indoor units refer to the unit specifications mentioned for pair systems.
- Nominal cooling capacities are based on the following conditions: Indoor air temperature: 27°CDB, 19.0°CWB, outdoor temperature 35°CDB.
Nominal heating capacities are based on the following conditions: Indoor air temperature : 20°CDB, outdoor temperature : 7°CDB, 6°CWB.

3 Combination table



Possible combinations for twin, triple and double twin application

		Possible indoor combination											
		Simultaneous operation											
Outdoor models	Capacity [kW]		Twin		Triple						Double twin		
	Cooling	Heating											
RYP200B7W1	19.5	-	100-100 (KHRP102BA7)	71-125 (KHRP102BA7)	71-71-71 (KHRP127HA7)	60-60-60 (KHRP127HA7)	45-71-71 (KHRP127HA7)	45-45-100 (KHRP127HA7)	35-71-100 (KHRP127HA7)	35-35-125 (KHRP127HA7)	45-60-100 (KHRP127HA7)	71-60-60 (KHRP127HA7)	45-45-45-45 (2 x KHRP79BA7 + KHRP102BA7)
RYP250B7W1	25.0	27.0	125-125 (KHRP102BA7)		45-100-100 (KHRP127HA7)	60-60-125 (KHRP127HA7)	125-45-71 (KHRP127HA7)		100-71-71 (KHRP127HA7)		60-60-60-60 (2 x KHRP79BA7 + KHRP102BA7)		

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NOTES

- Possible indoor units: FHYCP35-125, FUYP71-125, FHYKP35-71, FAYP71-100, FHYP35-60, FHYP71-125, FHYB(P)35-125, FDY(P)125-250
- Individual indoor capacities are not given because the combinations are for simultaneous operation (=indoor units installed in same room).
- When different indoor models are used in combination, designate the remote controller that is equipped with the most functions as the main unit.
Note 1 mentions the indoor units in order of the possible function (most functions are on FHYC).
- Between brackets are the required Refnet kits mentioned, that are necessary to install the combination.
- For unit specification of the outdoor units and the indoor units refer to the unit specifications mentioned for pair systems.
- Nominal cooling capacities are based on: indoor temperature: 27°CDB/19°CWB * outdoor temperature: 35°CDB.
Nominal heating capacities are based on: indoor temperature: 20°CDB/12°CWB * outdoor temperature: 7°CDB/6°CWB.

4 Capacity tables



Simultaneous operation RYP71-100-125B7

Cooling capacity

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

Outdoor	Indoor		Outdoor temperature (°C)											
	EWB (°C)	EDB (°C)	20		25		32		35		40		46	
			TC	PI o	TC	PI o	TC	PI o	TC	PI o	TC	PI o	TC	PI o
RYP71	12.0	18.0	6.2	1.7	6.1	2.0	5.7	2.1	5.5	2.3	5.2	2.6	4.9	2.8
	14.0	20.0	6.6	1.8	6.5	2.1	6.0	2.2	5.9	2.3	5.5	2.6	5.2	2.8
	16.0	22.0	7.2	1.8	7.0	2.1	6.5	2.2	6.4	2.4	6.0	2.7	5.5	2.9
	18.0	25.0	7.7	1.9	7.5	2.1	7.2	2.3	6.8	2.5	6.4	2.7	6.0	3.0
	19.0	27.0	7.9	1.9	7.7	2.1	7.3	2.3	7.1	2.5	6.6	2.8	6.2	3.0
	22.0	30.0	8.7	2.0	8.5	2.1	8.0	2.4	7.8	2.6	7.4	2.8	6.8	3.1
	24.0	32.0	9.4	2.0	9.2	2.1	8.6	2.5	8.4	2.6	7.9	2.8	7.4	3.2
RYP100	12.0	18.0	8.4	2.5	8.3	2.8	8.1	3.2	7.8	3.4	7.5	3.7	6.9	4.1
	14.0	20.0	8.9	2.6	8.8	2.8	8.7	3.2	8.4	3.4	7.8	3.7	7.5	4.1
	16.0	22.0	10.1	2.6	9.8	2.9	9.1	3.3	8.9	3.5	8.5	3.8	7.8	4.2
	18.0	25.0	10.8	2.7	10.5	2.9	9.8	3.3	9.6	3.5	9.0	3.8	8.4	4.3
	19.0	27.0	11.1	2.7	10.8	3.0	10.1	3.4	10.0	3.6	9.4	3.9	8.7	4.4
	22.0	30.0	12.2	2.8	11.8	3.0	11.2	3.5	11.0	3.6	10.4	4.0	9.5	4.5
	24.0	32.0	13.0	2.9	12.7	3.1	11.9	3.6	11.6	3.7	11.1	4.1	10.3	4.6
RYP125	12.0	18.0	11.0	3.4	10.7	3.6	10.0	4.0	9.7	4.3	9.2	4.7	8.6	5.4
	14.0	20.0	11.8	3.4	11.4	3.6	10.7	4.1	10.4	4.4	9.8	4.8	9.2	5.5
	16.0	22.0	12.7	3.4	12.1	3.7	11.4	4.1	11.0	4.5	10.4	4.9	9.7	5.5
	18.0	25.0	13.4	3.5	13.0	3.8	12.1	4.2	11.8	4.6	11.1	5.0	10.4	5.6
	19.0	27.0	13.7	3.6	13.4	3.9	12.7	4.3	12.2	4.6	11.5	5.1	10.7	5.7
	22.0	30.0	15.1	3.7	14.5	3.9	13.8	4.4	13.5	4.7	12.9	5.2	12.0	5.7
	24.0	32.0	15.9	3.8	15.5	4.0	14.6	4.5	14.3	4.8	13.7	5.3	12.9	5.8

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SYMBOLS

- EWB: Entering wet bulb temp. (°CWB)
 - EDB: Entering dry bulb temp. (°CDB)
 - TC: Total capacity cooling (kW)
 - PI o: Power input of outdoor unit (kW)
 - PI corr1: Correction factor for Pi depending on voltage of outdoor (kW)
 - PI corr2: Correction factor for Pi depending used indoor units (kW)
 - PI: Total power input (kW)
- $PI = PI\ o + PI\ corr1 + \sum PI\ corr2$
 e.g. RYP100B7V1 + FHYBP71B7V1 + FHYP35B7V1
 $PI = 3.3 + 0.2 + 0.21 + 0.14 = 3.85\ kW$

NOTES

1. Ratings shown are net capacities which include a deduction for indoor fan motor heat
2. Shows nominal capacities
3. Direct interpolation is permissible Do not extrapolate.
4. Capacities are based on the following conditions:
Corresponding refrigerant piping length: 7.5 m
Level difference: 0 m
5. Add the following correction to the power input for the different outdoor units (PI corr1)

6. Add the following correction to the power input for the different outdoor units (PI corr1)

Outdoor model	Power supply	
	V1	W1
RYP71	0.1	0
RYP100	0.2	0

7. Add the following correction to the power input for each connected indoor unit (PI corr2)

Indoor model	Indoor types					
	FHYBP	FH(Y)P	FHYCP	FHYKP	FAYP	FUYP
35	0.12	0.14	0.14	0.046	-	-
45	0.16	0.14	0.14	0.069	-	-
60	0.21	0.14	0.16	0.12	-	-
71	0.21	0.14	0.16	0.12	0.069	0.16

8. For the twin triple combination of RYP125B7 units, add the following correction to the total capacity for the following indoor units (TC corr1)

Indoor model	Indoor types		
	FHYKP	FAYP	FUYP
35	0.08	0.08	0.08
45	0.11	0.11	0.11
60	0.14	0.14	0.14
71	0.17	0.17	0.17

4 Capacity tables



Simultaneous operation RYP71-100-125B7

Heating capacity

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

Outdoor	Indoor		Outdoor temperature (°CWB)											
	EWB (°C)	EDB (°C)	-10		-5		0		6		10		15	
			TC	PI o	TC	PI o	TC	PI o	TC	PI o	TC	PI o	TC	PI o
RYP71	9.0	16.0	6.0	1.9	6.4	2.0	7.1	2.0	7.8	2.1	8.3	2.1	-	-
	11.0	18.0	6.0	1.9	6.4	2.0	7.1	2.1	7.7	2.2	8.3	2.2	-	-
	12.0	20.0	6.0	2.0	6.4	2.1	7.1	2.2	7.7	2.2	8.2	2.3	9.0	2.4
	13.0	21.0	6.0	2.1	6.4	2.1	7.1	2.2	7.7	2.3	8.2	2.4	9.0	2.4
	14.0	22.0	6.0	2.1	6.4	2.2	7.1	2.3	7.7	2.4	8.2	2.4	8.8	2.4
RYP100	9.0	16.0	6.0	2.2	6.4	2.3	7.1	2.4	7.6	2.4	8.2	2.4	8.8	2.5
	11.0	18.0	8.4	3.2	9.1	3.4	10.0	3.5	11.0	3.6	11.6	3.7	-	-
	12.0	20.0	8.3	3.4	9.0	3.5	10.0	3.6	10.9	3.7	11.6	3.8	-	-
	13.0	21.0	8.3	3.5	9.0	3.6	9.8	3.7	10.8	3.8	11.5	3.9	12.5	4.0
	14.0	22.0	8.3	3.6	8.9	3.7	9.8	3.8	10.8	3.9	11.5	4.0	12.5	4.0
RYP125	9.0	16.0	8.3	3.7	8.9	3.8	9.8	3.9	10.8	4.0	11.5	4.0	12.4	4.1
	11.0	18.0	8.2	3.8	8.9	3.9	9.6	4.0	10.6	4.0	11.3	4.1	12.4	4.3
	12.0	20.0	11.1	3.7	12.0	3.9	12.9	4.0	14.1	4.1	15.0	4.3	-	-
	13.0	21.0	11.1	3.8	12.0	4.0	12.9	4.1	14.0	4.3	14.9	4.4	-	-
	14.0	22.0	11.1	3.9	11.8	4.1	12.8	4.2	14.0	4.4	14.9	4.6	16.3	4.7
RYP125	13.0	21.0	11.1	4.0	11.8	4.2	12.8	4.4	14.0	4.5	14.8	4.6	16.0	4.7
	14.0	22.0	11.1	4.1	11.8	4.3	12.8	4.4	14.0	4.6	14.8	4.7	16.0	4.8
	15.0	24.0	10.9	4.2	11.8	4.4	12.7	4.6	13.9	4.7	14.8	4.8	15.8	5.0

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SYMBOLS

- EWB: Entering wet bulb temp. (°CWB)
 - EDB: Entering dry bulb temp. (°CDB)
 - TC: Total capacity cooling (kW)
 - PI o: Power input of outdoor unit (kW)
 - PI corr1: Correction factor for Pi depending on voltage of outdoor (kW)
 - PI corr2: Correction factor for Pi depending used indoor units (kW)
 - PI: Total power input (kW)
- $PI = PI\ o + PI\ corr1 + \sum PI\ corr2$
 e.g. RYP200B7V1 + FHYBP71B7V1 + FHYP35B7V1
 $PI = 3.5 + 0.2 + 0.21 + 0.14 = 4.05\ kW$

NOTES

- Ratings shown are net capacities which include a deduction for indoor fan motor heat
- Shows nominal capacities
- Direct interpolation is permissible Do not extrapolate.
- Capacities are based on the following conditions:
Corresponding refrigerant piping length: 7.5 m
Level difference: 0 m
Outdoor air: 85% RH. However, when outdoor temperature is 7°CDB, wet bulb temperature is 6°CWB.
- Add the following correction to the power input for the different outdoor units (PI corr1)

- Add the following correction to the power input for the different outdoor units (PI corr1)

Outdoor model	Power supply	
	V1	W1
RYP71	0.1	0
RYP100	0.2	0

- Add the following correction to the power input for each connected indoor unit (PI corr2)

Indoor model	Indoor types					
	FHYBP	FH(Y)P	FHYCP	FHYKP	FAYP	FUYP
35	0.12	0.14	0.14	0.046	-	-
45	0.16	0.14	0.14	0.069	-	-
60	0.21	0.14	0.16	0.12	-	-
71	0.21	0.14	0.16	0.12	0.069	0.16

- For the twin triple combination of RYP100B7 units, add the following correction to the total capacity for the following indoor units (TC corr1)

Indoor model	Indoor types				
	FHYBP	FH(Y)P	FHYCP	FHYKP	FUYP
35	0.14	0.07	0.14	0.07	0.07
45	0.18	0.09	0.18	0.09	0.09
60	0.24	0.12	0.24	0.12	0.12
71	0.28	0.14	0.28	0.14	0.14

- For the twin triple combination of RYP125B7 units, add the following correction to the total capacity for the following indoor units (TC corr1)

Indoor model	Indoor types		
	FHYBP	FHYP	FHYCP
45	0.18	0.22	0.11
60	0.24	0.29	0.14
71	0.28	0.34	0.17

4 Capacity tables



Simultaneous operation RYP200-250B7W1

Cooling capacity

W1: 400V [50Hz]

Outdoor	Indoor		Outdoor temperature (°CDB)											
	EWB (°C)	EDB (°C)	20		25		32		35		40		46	
			TC	PI _o	TC	PI _o	TC	PI _o	TC	PI _o	TC	PI _o	TC	PI _o
RYP200	12.0	18.0	19.3	5.54	18.5	5.98	17.4	6.87	17.0	7.31	16.3	8.08	15.5	9.19
	14.0	20.0	20.6	5.65	19.7	6.09	18.6	6.98	18.2	7.42	17.5	8.19	16.6	9.30
	16.0	22.0	22.0	5.76	21.2	6.20	19.9	7.09	19.5	7.53	18.7	8.31	17.8	9.41
	18.0	25.0	23.5	5.87	22.5	6.31	21.3	7.20	20.8	7.64	20.1	8.53	19.2	9.63
	19.0	27.0	24.1	5.87	23.2	6.42	22.0	7.31	21.5	7.75	20.7	8.53	19.7	9.74
	22.0	30.0	26.6	6.09	25.6	6.64	24.2	7.53	23.7	7.97	22.8	8.86	21.8	9.97
RYP250	12.0	18.0	24.7	6.51	23.7	7.18	22.2	8.18	21.7	8.63	20.8	9.63	19.8	10.85
	14.0	20.0	26.4	6.62	25.3	7.29	23.9	8.29	23.3	8.74	22.4	9.74	21.4	11.07
	16.0	22.0	28.2	6.73	27.1	7.40	25.6	8.40	25.0	8.96	24.0	9.85	22.9	11.19
	18.0	25.0	30.0	6.85	28.9	7.51	27.3	8.63	26.7	9.07	25.7	10.07	24.6	11.41
	19.0	27.0	30.9	6.96	29.7	7.62	28.2	8.63	27.5	9.18	26.5	10.18	25.3	11.52
	22.0	30.0	34.0	7.18	32.7	7.85	31.1	8.96	30.4	9.52	29.2	10.41	28.0	11.85
	24.0	32.0	36.1	7.29	34.8	7.96	33.0	9.07	32.4	9.63	31.2	10.63	29.8	12.08

3TW23612-2A

SYMBOLS

EWB:	Entering wet bulb temp.	(°CWB)
EDB:	Entering dry bulb temp.	(°CDB)
TC:	Total capacity cooling	(kW)
PI _o :	Power input of outdoor unit	(kW)
PI corr:	Correction factor for PI depending used indoor units	(kW)
PI:	Total power input	(kW)
	PI = PI _o + PI corr	
	e.g. RYP200B7W1 + FHYP100 + FHYCP100	
	PI = 7.43 + 0.16 + 0.2 = 7.79 kW	

Caution:
TC and SHC are shown by kW

NOTES

- Ratings shown are net capacities which include a deduction for indoor fan motor heat
- Shows nominal capacities
- Direct interpolation is permissible Do not extrapolate.
- Capacities are based on the following conditions:
Corresponding refrigerant piping length: 7.5 m
Level difference: 0 m
- Add the following correction to the power input for the different outdoor units (PI corr1)

Indoor model	Indoor types						
	FHYBP	FHYP	FHYCP	FHYKP	FAYP	FDYP	FUYP
35	0.13	0.09	0.14	0.08			
45	0.14	0.09	0.14	0.08			
60	0.17	0.1	0.16	0.105			
71	0.18	0.1	0.16	0.105	0.05		0.14
100	0.22	0.16	0.2		0.06		0.23
125	0.29	0.18	0.24			0.7	0.23

4 Capacity tables



Simultaneous operation RYP200-250B7W1

Cooling capacity

W1: 400V [50Hz]

Outdoor	Indoor		Outdoor temperature (°CDB)											
	EWB (°C)	EDB (°C)	-10		-5		0		6		10		15	
			TC	PI o	TC	PI o	TC	PI o	TC	PI o	TC	PI o	TC	PI o
RYP200	9.0	16.0	15.0	5.34	16.7	5.34	19.5	5.67	23.4	5.99	26.4	6.32	/	/
	11.0	18.0	14.8	5.45	16.6	5.56	19.4	5.78	23.2	6.21	26.2	6.54	/	/
	12.0	20.0	14.6	5.67	16.3	5.67	19.3	5.99	23.1	6.43	26.0	6.76	30.0	7.30
	13.0	21.0	14.5	5.67	16.2	5.78	19.3	6.10	23.0	6.54	26.0	6.87	29.9	7.41
	14.0	22.0	14.4	5.78	16.0	5.89	19.3	6.21	23.0	6.65	25.9	7.08	29.8	7.52
RYP250	9.0	16.0	17.6	6.22	19.5	6.22	22.9	6.55	27.3	6.98	30.8	7.41	/	/
	11.0	18.0	17.3	6.33	19.4	6.44	22.7	6.76	27.1	7.30	30.6	7.63	/	/
	12.0	20.0	17.1	6.55	19.1	6.65	22.6	6.98	27.0	7.52	30.4	7.95	35.0	8.60
	13.0	21.0	16.9	6.65	18.9	6.76	22.6	7.09	26.9	7.63	30.3	8.06	34.9	8.71
	14.0	22.0	16.8	6.76	18.7	6.87	22.5	7.30	26.9	7.74	30.3	8.28	34.9	8.82
	15.0	24.0	16.6	6.98	18.4	7.09	22.5	7.52	26.8	8.06	30.2	8.49	34.8	9.25

3TW23612-3A

4

SYMBOLS

EWB:	Entering wet bulb temp.	(°CWB)
EDB:	Entering dry bulb temp.	(°CDB)
TC:	Total capacity cooling	(kW)
PI o:	Power input of outdoor unit	(kW)
PI corr:	Correction factor for PI depending used indoor units	(kW)
PI:	Total power input	(kW)
	PI = PI o + PI corr	
	e.g. RYP200B7W1 + FHYP100 + FHYP100	
	PI = 7.43 + 0.16 + 0.2 = 7.79 kW	

Caution:
TC and SHC are shown by kW

NOTES

1. Ratings shown are net capacities which include a deduction for indoor fan motor heat
2. Shows nominal capacities
3. Direct interpolation is permissible Do not extrapolate.
4. Capacities are based on the following conditions:
Corresponding refrigerant piping length: 7.5 m
Level difference: 0 m
5. Add the following correction to the power input for the different outdoor units (PI corr1)

Indoor model	Indoor types						
	FHYBP	FHYP	FHYCP	FHYKP	FAYP	FDYP	FUYP
35	0.13	0.09	0.14	0.08			
45	0.14	0.09	0.14	0.08			
60	0.17	0.1	0.16	0.105			
71	0.18	0.1	0.16	0.105	0.05		0.14
100	0.22	0.16	0.2		0.06		0.23
125	0.29	0.18	0.24			0.7	0.23

5 Dimensional drawings

See chapter RY-EAZ7 / RYP-B7 for the dimensional drawings of RYP71-100-125-200-250B7



6 Operation range

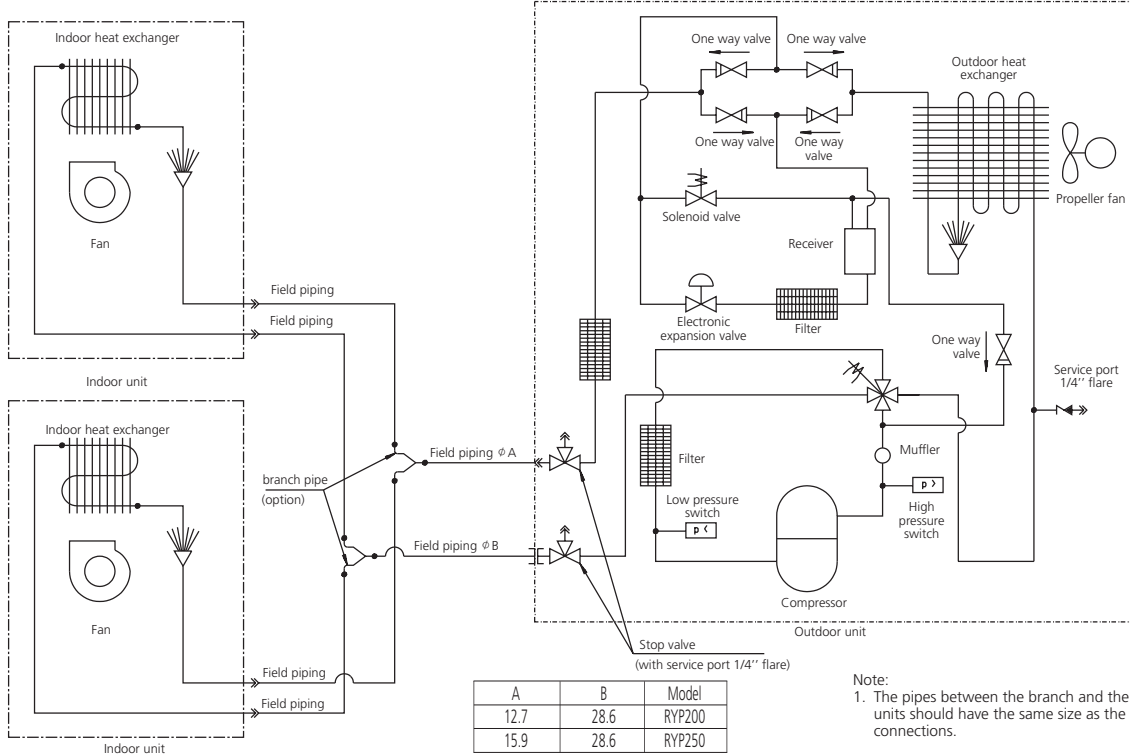
See chapter RY-EAZ7 / RYP-B7 for the operation range of RYP71-100-125-200-250B7

7 Piping diagrams



See chapter RY-EAZ7 / RYP-B7 for the piping diagrams of RYP71-100-125-200-250B7

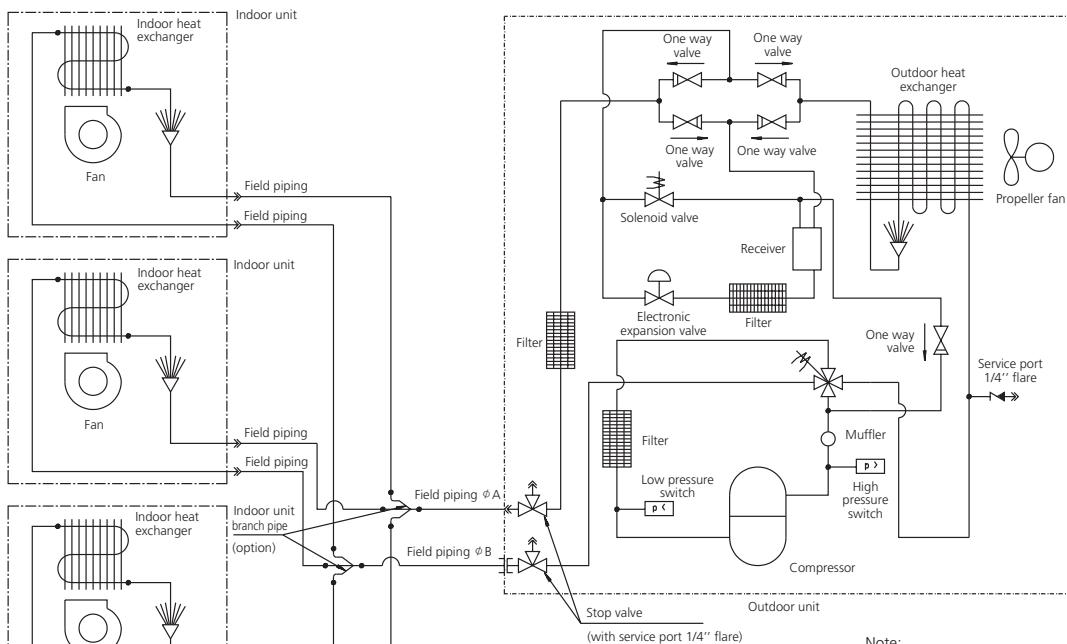
Twin application – RYP200-250B7W1



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

3TW23635-2

Triple application – RYP200-250B7W1

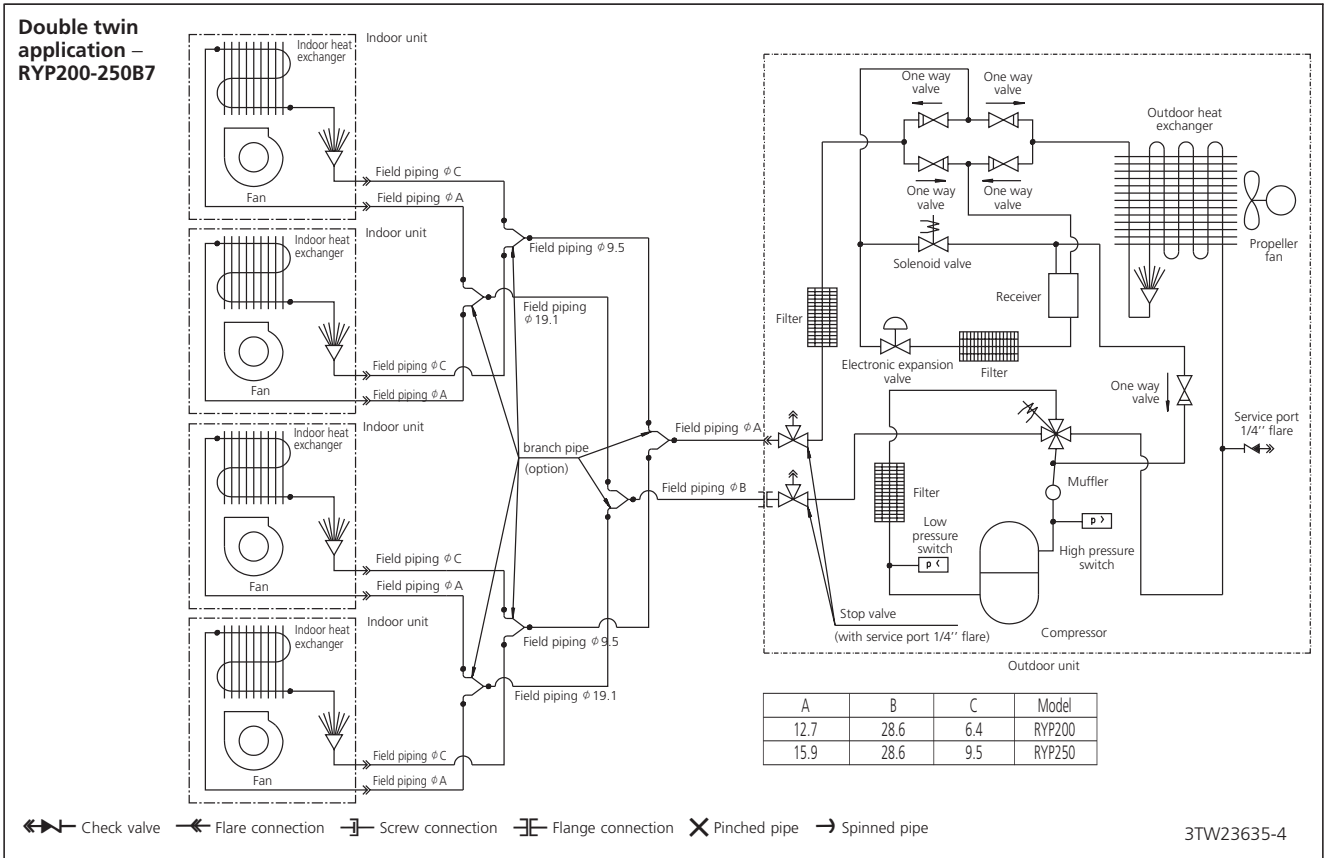


Check valve
 Flare connection
 Screw connection
 Flange connection
 Pinched pipe
 Spinned pipe

3TW23635-3

7 Piping diagrams

See chapter RY-EAZ7 / RYP-B7 for the piping diagrams of RYP71-100-125-200-250B7



7



8 Wiring diagrams

See chapter RY-EAZ7 / RYP-B7 for the wiring diagrams of RYP71-100-125-200-250B7

9 Sound level

See chapter RY-EAZ7/ RYP-B7 for the operation range of RY-EAZ7/RYP-B7

10 Accessories

See chapter RY-EAZ7/RYP-B7 for the accessories of RYP71-100-125-200-250B7

11 Installation

See chapter RY-EAZ7 / RYP-B7 for the installation of RYP71-100-125-200-250B7

8 12 Safety device settings

See chapter RY-EAZ7 / RYP-B7 for the safety device settings of RYP71-100-125-200-250B7