

Air Conditioning Technical Data

ERQ-AW1



- > ERQ125A7W1B
- > ERQ200A7W1B
- > ERQ250A7W1B

TABLE OF CONTENTS

ERQ-AW1

1	Features	2
2	Specifications	3
	Technical Specifications	3
	Electrical Specifications	4
3	Options	6
4	Combination table	7
5	Capacity tables	8
	Cooling Capacity Tables	8
	Heating Capacity Tables	14
	Integrated Heating Capacity Correction Factor	20
	Capacity Correction Factor	21
6	Dimensional drawings	22
	Dimensional Drawings	22
	Dimensional Drawings with Accessories	23
7	Centre of gravity	24
8	Piping diagrams	26
9	Wiring diagrams	29
	Wiring Diagrams - Single Phase	29
10	External connection diagrams	32
11	Sound data	33
	Sound Power Spectrum	33
	Sound Pressure Spectrum	34
12	Installation	35
	Installation Method	35
	Fixation and Foundation of Units	36
13	Operation range	37

1 Features

- Benefit from the high efficiency and fast response to changing loads of ERQ condensing units
- Inverter controlled outdoor unit
- Predefined combinations with Daikin Modular air handling unit offer ready to use 'fresh air packages'
- R-410A heat pump



2 Specifications

2-1 Technical Specifications					ERQ125AW1		ERQ200AW1		ERQ250AW1	
Capacity range				HP	5		8		10	
Cooling capacity	Nom.			kW	14.0 (1)		22.4 (1)		28.0 (1)	
Heating capacity	Nom.			kW	16.0 (2)		25.0 (2)		31.5 (2)	
Power input	Cooling	Nom.		kW	3.52 (1)		5.22 (1)		7.42 (1)	
	Heating	Nom.		kW	4.00 (2)		5.56 (2)		7.70 (2)	
Capacity control	Method				Inverter controlled					
	Cooling	Max.		%	100					
EER					3.98 (1)		4.29 (1)		3.77 (1)	
COP					4.00 (2)		4.50 (2)		4.09 (2)	
Dimensions	Unit	Height	mm		1,680					
		Width	mm		635		930			
		Depth	mm		765					
	Packed unit	Height	mm		1,855					
		Width	mm		704		995			
		Depth	mm		860					
Weight	Unit			kg	159		187		240	
	Packed unit			kg	182		217		273	
Packing	Material				Carton					
	Weight			kg	3.8		4.02			
Packing 2	Material				Wood					
	Weight			kg	19.15		20.85			
Packing 3	Material				Plastic					
	Weight			kg	0.215		0.265			
Casing	Colour				Daikin White					
	Material				Painted galvanized steel plate					
Heat exchanger	Length			mm	1,483		1,778			
	Rows	Quantity			54					
	Fin pitch			mm	2					
	Passes	Quantity			8		18			
	Face area			m²	1.762		2.112			
	Stages	Quantity			2					
	Empty tubeplate hole	Quantity			0					
	Tube type				ø8 Hi-XSS					
	Fin	Type			Non-symmetric waffle louver					
		Treatment			Hydrophilic and corrosion resistant					
Compressor	Quantity				1				2	
	Model				Inverter					
	Type				Hermetically sealed scroll compressor					
	Speed			rpm	6,300		7,980		6,300	
	Output			W	2,800		3,800		1,200	
	Crankcase heater			W	33					
Compressor 2	Model				-				ON - OFF	
	Type				-				Hermetically sealed scroll compressor	
	Speed			rpm	-				2,900	
	Output			W	-				4,500	
	Crankcase heater			W	-				33	
Fan	Type				Propeller fan					
	Discharge direction				Vertical					
	Quantity				1					
	Air flow rate	Cooling	Nom.	m³/min	95		171		185	
		Heating	Nom.	m³/min	95		171		185	
	External static pressure	Max.			Pa	78				
Fan motor	Quantity				1					
	Model				Brushless DC motor					
	Output			W	350		750			
Sound power level	Nom.			dBA	72		78			

2 Specifications

2-1 Technical Specifications					ERQ125AW1		ERQ200AW1		ERQ250AW1	
Sound pressure level	Nom.			dBA	54		57		58	
Operation range	Cooling	Min.		°CDB	-5					
		Max.		°CDB	43					
	Heating	Min.		°CWB	-20					
		Max.		°CWB	15					
	On coil temperature	Heating	Min.	°CDB	10					
		Cooling	Max.	°CDB	35					
Refrigerant	Type				R-410A					
	Charge			kg	6.2		7.7		8.4	
				TCO ₂ eq	12.9		16.1		17.5	
	GWP				2,087.5					
	Control				Electronic expansion valve					
	Circuits	Quantity			1					
Refrigerant oil	Type				Synthetic (ether) oil					
	Charged volume			l	1.7		2.1		4.3	
Piping connections	Liquid	Type			Braze connection					
		OD		mm	9.52					
	Gas	Type			Braze connection					
		OD		mm	15.9		19.1		22.2	
	Piping length	OU - IU	Max.	m	55					
	Heat insulation				Both liquid and gas pipes					
Defrost method					Reversed cycle					
Defrost control					Sensor for outdoor heat exchanger temperature					
Safety devices	Item	01			High pressure switch					
		02			Fan motor driver overload protector					
		03			Overcurrent relay					
		04			Inverter overload protector					
		05			PC board fuse					
PED	Category				Category II					

Standard Accessories : Installation manual; Quantity : 1;

Standard Accessories : Operation manual; Quantity : 1;

Standard Accessories : Connection pipes; Quantity : 4;

2-2 Electrical Specifications				ERQ125AW1		ERQ200AW1		ERQ250AW1	
Power supply	Name			W1					
	Phase			3N~					
	Frequency		Hz	50					
	Voltage		V	400					
	Voltage range	Min.	%	-10					
		Max.	%	10					
Current	Nominal running current (RLA)	Cooling	A	5.1		7.5		11.3	
		Heating	A	5.8		8.2		11.1	
	Starting current	Cooling	A	-				74 (1)	
	Zmax	Text	Ω	-		0.27			
	Minimum circuit amps (MCA)		A	11.9		18.5		21.6	
	Maximum fuse amps (MFA)		A	16		25			
	Total overcurrent amps (TOCA)		A	15.6		16.5		31.5	
	Full load amps (FLA)	Fan motor	A	0.4		0.7		0.9	
	Minimum Ssc value			kVa	-		910		838
Wiring connections	For power supply	Quantity		5					
		Remark		Earth wire included					
	For connection with indoor	Quantity		2					
		Remark		F1,F2					
Power supply intake				Both indoor and outdoor unit					

2 Specifications

Notes

(1) Cooling: indoor temp. 27°CDB, 19.0°CWB; outdoor temp. 35°CDB; equivalent piping length: 5m; level difference: 0m

(2) Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m; level difference: 0m

Sound values are measured in a semi-anechoic room.

Sound power level is an absolute value that a sound source generates.

Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings.

MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker).

Maximum allowable voltage range variation between phases is 2%.

RLA is based on following conditions: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB

Select wire size based on the value of MCA

TOCA means the total value of each OC set.

Voltage range: units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits.

FLA means the full load amps of the fan motor.

In accordance with EN/IEC 61000-3-11, respectively EN/IEC 61000-3-12, it may be necessary to consult the distribution network operator to ensure that the equipment is connected only to a supply with $Z_{sys} \leq Z_{max}$, respectively $S_{sc} \geq \text{minimum } S_{sc} \text{ value}$.

EN/IEC 61000-3-11: European/international technical standard setting the limits for voltage changes, voltage fluctuations and flicker in public low-voltage supply systems for equipment with rated $\leq 75A$

EN/IEC 61000-3-12: European/international technical standard setting the limits for harmonic currents produced by equipment connected to public low-voltage system with input current $I_N > 16A$ and $\leq 75A$ per phase

Short-circuit power

system impedance

Contains fluorinated greenhouse gases

MSC means the maximum current during start up of the compressor

3 Options

3 - 1 Options

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ERQ-AW1

N°	Item	ERQ125A7W1B	ERQ200A7W1B ERQ250A7W1B
1	Cool/heat selector	KRC19-26A6	
2	One option per module is required	KJB111A	
3	Central drain pan kit	KWC26B160	KWC26B280

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Notes:

1. All options are kits.
2. Only 1 option per installation is needed.
3. One option per module is required
4. The option should be installed inside the outdoor unit.

4 Combination table

4 - 1 Combination Table

ERQ-AW1

Combination table

		Control box		Expansion valve kit						
Outdoor unit		EKEQDCBV3	EKEQFCBV3	EKEXV63	EKEXV80	EKEXV100	EKEXV125	EKEXV140	EKEXV200	EKEXV250
1 ph	ERQ100	P	P	P	P	P	P	-	-	-
	ERQ125	P	P	P	P	P	P	P	-	-
	ERQ140	P	P	-	P	P	P	P	-	-
3 ph	ERQ125	P	P	P	P	P	P	P	-	-
	ERQ200	P	P	-	-	P	P	P	P	P
	ERQ250	P	P	-	-	-	P	P	P	P

Heat pump

P: Pair: Combination depending on AHU heat exchanger volume and capacity

EKEXV Class	Allowed heat exchanger volume (dm ³)		Allowed heat exchanger capacity (kW)	
	Minimum	Maximum	Minimum	Maximum
63	1.66	2.08	6.3	7.8
80	2.09	2.64	7.9	9.9
100	2.65	3.3	10	12.3
125	3.31	4.12	12.4	15.4
140	4.13	4.62	15.5	17.6
200	4.63	6.6	17.7	24.6
250	6.61	8.25	24.7	30.8

Saturated suction temperature (SST) = 6°C, Superheat (SH) = 5K

Air temperature = 27°CDB/19°CWB

If conflicting result occurs, capacity selection has priority over volume.

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5 Capacity tables

5 - 1 Cooling Capacity Tables

ERQ125AW1

Cooling

TC: Total capacity; kW; PI: Power Input; kW (Comp. + Outdoor fan motor)

Combination % kW (Capacity index)	Outdoor air temp. (°CDB)	Indoor air temp. °CWB															
		14.0 °CWB		16.0 °CWB		18.0 °CWB		19.0 °CWB		20.0 °CWB		22.0 °CWB		24.0 °CWB			
		20.0 °CDB		23.0 °CDB		26.0 °CDB		27.0 °CDB		28.0 °CDB		30.0 °CDB		32.0 °CDB			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100% 14.00 kW (125)	10	9.45	1.21	11.3	1.47	13.1	1.74	14.0	1.88	14.9	2.02	16.7	2.31	17.7	2.39		
	12	9.45	1.23	11.3	1.50	13.1	1.78	14.0	1.92	14.9	2.06	16.7	2.36	17.5	2.38		
	14	9.45	1.26	11.3	1.53	13.1	1.81	14.0	1.95	14.9	2.10	16.7	2.40	17.2	2.37		
	16	9.45	1.28	11.3	1.55	13.1	1.84	14.0	1.99	14.9	2.14	16.7	2.43	17.0	2.41		
	18	9.45	1.30	11.3	1.58	13.1	1.88	14.0	2.03	14.9	2.19	16.4	2.51	16.8	2.53		
	20	9.45	1.33	11.3	1.62	13.1	1.94	14.0	2.13	14.9	2.34	16.2	2.64	16.6	2.66		
	21	9.45	1.34	11.3	1.63	13.1	2.01	14.0	2.21	14.9	2.43	16.1	2.70	16.4	2.72		
	23	9.45	1.38	11.3	1.74	13.1	2.15	14.0	2.37	14.9	2.60	15.9	2.82	16.2	2.84		
	25	9.45	1.47	11.3	1.86	13.1	2.30	14.0	2.54	14.9	2.79	15.6	2.94	16.0	2.97		
	27	9.45	1.56	11.3	1.98	13.1	2.46	14.0	2.71	14.9	2.98	15.4	3.07	15.8	3.09		
	29	9.45	1.67	11.3	2.12	13.1	2.62	14.0	2.90	14.9	3.16	15.2	3.19	15.5	3.22		
	31	9.45	1.77	11.3	2.26	13.1	2.80	14.0	3.09	14.6	3.29	15.0	3.32	15.3	3.34		
	33	9.45	1.89	11.3	2.40	13.1	2.99	14.0	3.30	14.4	3.41	14.7	3.44	15.1	3.47		
	35	9.45	2.00	11.3	2.56	13.1	3.18	14.0	3.52	14.2	3.54	14.5	3.57	14.9	3.60		
	37	9.45	2.13	11.3	2.72	13.1	3.39	13.8	3.64	13.9	3.66	14.3	3.69	14.6	3.73		
	39	9.45	2.26	11.3	2.90	13.1	3.61	13.5	3.77	13.7	3.79	14.1	3.82	14.4	3.85		
90% 12.60 kW (113)	10	8.50	1.09	10.1	1.31	11.8	1.55	12.6	1.67	13.4	1.79	15.1	2.05	16.7	2.31		
	12	8.50	1.10	10.1	1.33	11.8	1.57	12.6	1.70	13.4	1.83	15.1	2.09	16.7	2.35		
	14	8.50	1.12	10.1	1.36	11.8	1.60	12.6	1.73	13.4	1.86	15.1	2.13	16.7	2.40		
	16	8.50	1.14	10.1	1.38	11.8	1.63	12.6	1.76	13.4	1.90	15.1	2.17	16.7	2.44		
	18	8.50	1.16	10.1	1.41	11.8	1.67	12.6	1.80	13.4	1.94	15.1	2.21	16.4	2.51		
	20	8.50	1.18	10.1	1.44	11.8	1.70	12.6	1.84	13.4	2.01	15.1	2.38	16.2	2.63		
	21	8.50	1.20	10.1	1.45	11.8	1.73	12.6	1.90	13.4	2.08	15.1	2.46	16.1	2.70		
	23	8.50	1.22	10.1	1.51	11.8	1.85	12.6	2.03	13.4	2.23	15.1	2.64	15.9	2.82		
	25	8.50	1.28	10.1	1.61	11.8	1.98	12.6	2.18	13.4	2.38	15.1	2.83	15.6	2.94		
	27	8.50	1.37	10.1	1.72	11.8	2.11	12.6	2.32	13.4	2.55	15.1	3.03	15.4	3.07		
	29	8.50	1.45	10.1	1.83	11.8	2.25	12.6	2.48	13.4	2.72	14.9	3.17	15.2	3.19		
	31	8.50	1.55	10.1	1.95	11.8	2.40	12.6	2.65	13.4	2.90	14.7	3.29	15.0	3.31		
	33	8.50	1.64	10.1	2.07	11.8	2.56	12.6	2.82	13.4	3.10	14.4	3.41	14.7	3.44		
	35	8.50	1.74	10.1	2.21	11.8	2.73	12.6	3.01	13.4	3.30	14.2	3.54	14.5	3.57		
	37	8.50	1.85	10.1	2.35	11.8	2.90	12.6	3.20	13.4	3.52	14.0	3.66	14.3	3.69		
	39	8.50	1.96	10.1	2.49	11.8	3.09	12.6	3.41	13.4	3.75	13.7	3.79	14.0	3.82		
80% 11.20 kW (100)	10	7.56	0.96	9.02	1.15	10.5	1.36	11.2	1.46	11.9	1.57	13.4	1.79	14.8	2.01		
	12	7.56	0.98	9.02	1.17	10.5	1.38	11.2	1.49	11.9	1.60	13.4	1.82	14.8	2.05		
	14	7.56	1.00	9.02	1.19	10.5	1.41	11.2	1.51	11.9	1.63	13.4	1.86	14.8	2.09		
	16	7.56	1.01	9.02	1.22	10.5	1.43	11.2	1.54	11.9	1.66	13.4	1.89	14.8	2.13		
	18	7.56	1.03	9.02	1.24	10.5	1.46	11.2	1.57	11.9	1.69	13.4	1.93	14.8	2.17		
	20	7.56	1.05	9.02	1.26	10.5	1.49	11.2	1.60	11.9	1.72	13.4	2.00	14.8	2.33		
	21	7.56	1.06	9.02	1.27	10.5	1.50	11.2	1.62	11.9	1.76	13.4	2.07	14.8	2.41		
	23	7.56	1.08	9.02	1.30	10.5	1.58	11.2	1.73	11.9	1.88	13.4	2.22	14.8	2.58		
	25	7.56	1.11	9.02	1.38	10.5	1.68	11.2	1.84	11.9	2.01	13.4	2.37	14.8	2.77		
	27	7.56	1.18	9.02	1.47	10.5	1.79	11.2	1.97	11.9	2.15	13.4	2.54	14.8	2.96		
	29	7.56	1.26	9.02	1.57	10.5	1.91	11.2	2.10	11.9	2.29	13.4	2.71	14.8	3.16		
	31	7.56	1.33	9.02	1.67	10.5	2.04	11.2	2.24	11.9	2.45	13.4	2.89	14.6	3.29		
	33	7.56	1.42	9.02	1.77	10.5	2.17	11.2	2.38	11.9	2.61	13.4	3.09	14.4	3.41		
	35	7.56	1.50	9.02	1.88	10.5	2.31	11.2	2.54	11.9	2.78	13.4	3.29	14.2	3.53		
	37	7.56	1.59	9.02	2.00	10.5	2.45	11.2	2.70	11.9	2.96	13.4	3.51	13.9	3.66		
	39	7.56	1.69	9.02	2.12	10.5	2.61	11.2	2.87	11.9	3.15	13.4	3.73	13.7	3.78		
70% 9.80 kW (88)	10	6.61	0.85	7.89	1.01	9.16	1.17	9.80	1.26	10.4	1.35	11.7	1.54	13.0	1.73		
	12	6.61	0.86	7.89	1.02	9.16	1.19	9.80	1.28	10.4	1.38	11.7	1.56	13.0	1.76		
	14	6.61	0.87	7.89	1.04	9.16	1.22	9.80	1.31	10.4	1.40	11.7	1.59	13.0	1.79		
	16	6.61	0.89	7.89	1.06	9.16	1.24	9.80	1.33	10.4	1.43	11.7	1.62	13.0	1.83		
	18	6.61	0.90	7.89	1.08	9.16	1.26	9.80	1.36	10.4	1.45	11.7	1.66	13.0	1.86		
	20	6.61	0.92	7.89	1.10	9.16	1.28	9.80	1.38	10.4	1.48	11.7	1.69	13.0	1.92		
	21	6.61	0.93	7.89	1.11	9.16	1.30	9.80	1.40	10.4	1.50	11.7	1.71	13.0	1.98		
	23	6.61	0.94	7.89	1.13	9.16	1.32	9.80	1.44	10.4	1.57	11.7	1.84	13.0	2.12		
	25	6.61	0.96	7.89	1.17	9.16	1.41	9.80	1.54	10.4	1.67	11.7	1.96	13.0	2.27		
	27	6.61	1.01	7.89	1.25	9.16	1.50	9.80	1.64	10.4	1.79	11.7	2.09	13.0	2.43		
	29	6.61	1.08	7.89	1.32	9.16	1.60	9.80	1.75	10.4	1.90	11.7	2.23	13.0	2.59		
	31	6.61	1.14	7.89	1.41	9.16	1.70	9.80	1.86	10.4	2.03	11.7	2.38	13.0	2.77		
	33	6.61	1.21	7.89	1.49	9.16	1.81	9.80	1.98	10.4	2.16	11.7	2.54	13.0	2.95		
	35	6.61	1.28	7.89	1.58	9.16	1.92	9.80	2.11	10.4	2.30	11.7	2.70	13.0	3.14		
	37	6.61	1.35	7.89	1.68	9.16	2.04	9.80	2.24	10.4	2.44	11.7	2.88	13.0	3.35		
	39	6.61	1.43	7.89	1.78	9.16	2.17	9.80	2.38	10.4	2.60	11.7	3.06	13.0	3.57		

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NOTES - ANMERKUNGEN - Σημειώσεις - NOTAS - REMARQUES - NOTE - OPMERKINGEN - примечания - NOTLAR

- The above table shows the average value of conditions which may occur.
Die obige Tabelle zeigt den Durchschnittswert der Bedingungen, die auftreten können.
Στον παραπάνω πίνακα αναγράφεται η μέση τιμή για συνθήκες που μπορεί να προκύψουν.
La tabla de arriba muestra el valor medio de condiciones que pueden ocurrir.
Le tableau ci-dessus donne la valeur moyenne pour des conditions qui peuvent survenir.
La tabella in alto mostra il valore delle condizioni medie che si possono riscontrare.
De tabel hierboven geeft de gemiddelde waarde aan van situaties die kunnen voorvallen.
Таблица расположенная выше показывает среднее значение условий, которые могут наступить.
Yukarıdaki tablo meydana gelebilecek koşulların ortalama değerini göstermektedir.

5 Capacity tables

5 - 1 Cooling Capacity Tables

ERQ125AW1

Cooling

TC: Total capacity; kW; PI: Power Input; kW (Comp. + Outdoor fan motor)

Combination % kW (Capacity index)	Outdoor air temp. (°CDB)	Indoor air temp. °CWB															
		14.0 °CWB		16.0 °CWB		18.0 °CWB		19.0 °CWB		20.0 °CWB		22.0 °CWB		24.0 °CWB			
		20.0 °CDB		23.0 °CDB		26.0 °CDB		27.0 °CDB		28.0 °CDB		30.0 °CDB		32.0 °CDB			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60% 8.40 kW (75)	10	5.67	0.74	6.76	0.87	7.85	1.00	8.40	1.07	8.95	1.14	10.0	1.29	11.1	1.45		
	12	5.67	0.75	6.76	0.88	7.85	1.02	8.40	1.09	8.95	1.16	10.0	1.32	11.1	1.48		
	14	5.67	0.76	6.76	0.89	7.85	1.03	8.40	1.11	8.95	1.18	10.0	1.34	11.1	1.50		
	16	5.67	0.77	6.76	0.91	7.85	1.05	8.40	1.13	8.95	1.21	10.0	1.37	11.1	1.53		
	18	5.67	0.78	6.76	0.92	7.85	1.07	8.40	1.15	8.95	1.23	10.0	1.39	11.1	1.56		
	20	5.67	0.79	6.76	0.94	7.85	1.09	8.40	1.17	8.95	1.25	10.0	1.42	11.1	1.59		
	21	5.67	0.80	6.76	0.95	7.85	1.10	8.40	1.18	8.95	1.26	10.0	1.43	11.1	1.61		
	23	5.67	0.81	6.76	0.96	7.85	1.12	8.40	1.20	8.95	1.29	10.0	1.49	11.1	1.71		
	25	5.67	0.83	6.76	0.98	7.85	1.16	8.40	1.26	8.95	1.37	10.0	1.59	11.1	1.83		
	27	5.67	0.86	6.76	1.04	7.85	1.24	8.40	1.35	8.95	1.46	10.0	1.70	11.1	1.95		
	29	5.67	0.91	6.76	1.10	7.85	1.32	8.40	1.43	8.95	1.55	10.0	1.81	11.1	2.08		
	31	5.67	0.96	6.76	1.17	7.85	1.40	8.40	1.52	8.95	1.65	10.0	1.92	11.1	2.22		
	33	5.67	1.02	6.76	1.24	7.85	1.48	8.40	1.62	8.95	1.75	10.0	2.05	11.1	2.36		
	35	5.67	1.08	6.76	1.31	7.85	1.58	8.40	1.72	8.95	1.86	10.0	2.18	11.1	2.51		
	37	5.67	1.14	6.76	1.39	7.85	1.67	8.40	1.82	8.95	1.98	10.0	2.31	11.1	2.67		
	39	5.67	1.20	6.76	1.47	7.85	1.77	8.40	1.93	8.95	2.10	10.0	2.46	11.1	2.84		
50% 7.00 kW (63)	10	4.72	0.63	5.63	0.73	6.54	0.84	7.00	0.89	7.46	0.95	8.37	1.07	9.28	1.19		
	12	4.72	0.64	5.63	0.74	6.54	0.85	7.00	0.91	7.46	0.97	8.37	1.09	9.28	1.21		
	14	4.72	0.65	5.63	0.75	6.54	0.87	7.00	0.92	7.46	0.98	8.37	1.10	9.28	1.23		
	16	4.72	0.66	5.63	0.77	6.54	0.88	7.00	0.94	7.46	1.00	8.37	1.12	9.28	1.25		
	18	4.72	0.67	5.63	0.78	6.54	0.89	7.00	0.95	7.46	1.02	8.37	1.14	9.28	1.28		
	20	4.72	0.68	5.63	0.79	6.54	0.91	7.00	0.97	7.46	1.03	8.37	1.16	9.28	1.30		
	21	4.72	0.68	5.63	0.80	6.54	0.92	7.00	0.98	7.46	1.04	8.37	1.18	9.28	1.31		
	23	4.72	0.69	5.63	0.81	6.54	0.93	7.00	1.00	7.46	1.06	8.37	1.20	9.28	1.34		
	25	4.72	0.70	5.63	0.82	6.54	0.95	7.00	1.02	7.46	1.09	8.37	1.26	9.28	1.43		
	27	4.72	0.71	5.63	0.85	6.54	1.00	7.00	1.08	7.46	1.16	8.37	1.34	9.28	1.53		
	29	4.72	0.76	5.63	0.90	6.54	1.06	7.00	1.15	7.46	1.24	8.37	1.42	9.28	1.63		
	31	4.72	0.80	5.63	0.96	6.54	1.13	7.00	1.22	7.46	1.31	8.37	1.51	9.28	1.73		
	33	4.72	0.84	5.63	1.01	6.54	1.19	7.00	1.29	7.46	1.39	8.37	1.61	9.28	1.84		
	35	4.72	0.89	5.63	1.07	6.54	1.26	7.00	1.37	7.46	1.48	8.37	1.71	9.28	1.95		
	37	4.72	0.94	5.63	1.13	6.54	1.34	7.00	1.45	7.46	1.57	8.37	1.81	9.28	2.08		
	39	4.72	0.99	5.63	1.19	6.54	1.42	7.00	1.53	7.46	1.66	8.37	1.92	9.28	2.20		

5 Capacity tables

5 - 1 Cooling Capacity Tables

ERQ200AW1

Cooling

TC: Total capacity; kW; PI: Power Input; kW (Comp. + Outdoor fan motor)

Combination % kW (Capacity index)	Outdoor air temp. (°CDB)	Indoor air temp. °CWB															
		14.0 °CWB 20.0 °CDB		16.0 °CWB 23.0 °CDB		18.0 °CWB 26.0 °CDB		19.0 °CWB 27.0 °CDB		20.0 °CWB 28.0 °CDB		22.0 °CWB 30.0 °CDB		24.0 °CWB 32.0 °CDB			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100% 22.40 kW (200)	10	15.1	1.80	18.0	2.18	20.9	2.58	22.4	2.79	23.9	3.00	26.8	3.43	28.3	3.55		
	12	15.1	1.83	18.0	2.22	20.9	2.63	22.4	2.84	23.9	3.06	26.8	3.50	28.0	3.53		
	14	15.1	1.86	18.0	2.26	20.9	2.68	22.4	2.90	23.9	3.12	26.8	3.56	27.6	3.51		
	16	15.1	1.90	18.0	2.31	20.9	2.73	22.4	2.96	23.9	3.18	26.7	3.61	27.2	3.57		
	18	15.1	1.93	18.0	2.35	20.9	2.79	22.4	3.01	23.9	3.24	26.3	3.73	26.9	3.75		
	20	15.1	1.97	18.0	2.40	20.9	2.87	22.4	3.17	23.9	3.47	26.0	3.91	26.5	3.94		
	21	15.1	1.99	18.0	2.42	20.9	2.97	22.4	3.28	23.9	3.60	25.8	4.00	26.3	4.03		
	23	15.1	2.04	18.0	2.58	20.9	3.19	22.4	3.51	23.9	3.86	25.4	4.18	25.9	4.21		
	25	15.1	2.18	18.0	2.76	20.9	3.41	22.4	3.76	23.9	4.13	25.0	4.36	25.6	4.40		
	27	15.1	2.32	18.0	2.94	20.9	3.64	22.4	4.02	23.9	4.42	24.7	4.55	25.2	4.58		
90% 20.16 kW (180)	29	15.1	2.47	18.0	3.14	20.9	3.89	22.4	4.30	23.8	4.69	24.3	4.73	24.9	4.77		
	31	15.1	2.63	18.0	3.35	20.9	4.15	22.4	4.59	23.4	4.88	23.9	4.92	24.5	4.96		
	33	15.1	2.80	18.0	3.56	20.9	4.43	22.4	4.89	23.0	5.06	23.6	5.10	24.1	5.15		
	35	15.1	2.97	18.0	3.79	20.9	4.72	22.4	5.22	22.7	5.24	23.2	5.29	23.8	5.34		
	37	15.1	3.16	18.0	4.04	20.9	5.03	22.0	5.40	22.3	5.43	22.9	5.48	23.4	5.53		
	39	15.1	3.35	18.0	4.29	20.9	5.35	21.7	5.59	21.9	5.61	22.5	5.67	23.0	5.72		
	10	13.6	1.61	16.2	1.94	18.8	2.29	20.2	2.47	21.5	2.68	24.1	3.04	26.7	3.42		
	12	13.6	1.64	16.2	1.98	18.8	2.33	20.2	2.52	21.5	2.71	24.1	3.09	26.7	3.49		
	14	13.6	1.67	16.2	2.01	18.8	2.38	20.2	2.57	21.5	2.76	24.1	3.15	26.7	3.55		
	16	13.6	1.69	16.2	2.05	18.8	2.42	20.2	2.62	21.5	2.81	24.1	3.22	26.7	3.61		
80% 17.92 kW (160)	18	13.6	1.73	16.2	2.09	18.8	2.47	20.2	2.67	21.5	2.87	24.1	3.28	26.3	3.73		
	20	13.6	1.76	16.2	2.13	18.8	2.52	20.2	2.72	21.5	2.98	24.1	3.52	25.9	3.91		
	21	13.6	1.77	16.2	2.15	18.8	2.56	20.2	2.82	21.5	3.08	24.1	3.65	25.8	4.00		
	23	13.6	1.81	16.2	2.24	18.8	2.74	20.2	3.02	21.5	3.30	24.1	3.92	25.4	4.18		
	25	13.6	1.90	16.2	2.39	18.8	2.93	20.2	3.23	21.5	3.53	24.1	4.19	25.0	4.36		
	27	13.6	2.03	16.2	2.55	18.8	3.13	20.2	3.45	21.5	3.78	24.1	4.49	24.7	4.55		
	29	13.6	2.16	16.2	2.72	18.8	3.34	20.2	3.68	21.5	4.04	23.8	4.70	24.3	4.73		
	31	13.6	2.29	16.2	2.89	18.8	3.56	20.2	3.93	21.5	4.31	23.4	4.88	23.9	4.92		
	33	13.6	2.44	16.2	3.08	18.8	3.80	20.2	4.19	21.5	4.59	23.1	5.06	23.6	5.10		
	35	13.6	2.59	16.2	3.27	18.8	4.04	20.2	4.46	21.5	4.90	22.7	5.25	23.2	5.29		
70% 15.68 kW (140)	37	13.6	2.74	16.2	3.48	18.8	4.30	20.2	4.75	21.5	5.22	22.4	5.43	22.8	5.48		
	39	13.6	2.91	16.2	3.70	18.8	4.58	20.2	5.06	21.5	5.56	22.0	5.62	22.5	5.66		
	10	12.1	1.43	14.4	1.71	16.8	2.01	17.9	2.17	19.1	2.33	21.4	2.65	23.7	2.99		
	12	12.1	1.45	14.4	1.74	16.8	2.05	17.9	2.21	19.1	2.37	21.4	2.70	23.7	3.04		
	14	12.1	1.48	14.4	1.77	16.8	2.08	17.9	2.25	19.1	2.41	21.4	2.75	23.7	3.10		
	16	12.1	1.50	14.4	1.80	16.8	2.12	17.9	2.29	19.1	2.46	21.4	2.81	23.7	3.16		
	18	12.1	1.53	14.4	1.84	16.8	2.16	17.9	2.33	19.1	2.51	21.4	2.86	23.7	3.22		
	20	12.1	1.55	14.4	1.87	16.8	2.21	17.9	2.38	19.1	2.56	21.4	2.97	23.7	3.45		
	21	12.1	1.57	14.4	1.89	16.8	2.23	17.9	2.40	19.1	2.61	21.4	3.07	23.7	3.57		
	23	12.1	1.60	14.4	1.93	16.8	2.34	17.9	2.56	19.1	2.79	21.4	3.29	23.7	3.83		
	25	12.1	1.65	14.4	2.05	16.8	2.49	17.9	2.73	19.1	2.99	21.4	3.52	23.7	4.10		
	27	12.1	1.75	14.4	2.18	16.8	2.66	17.9	2.92	19.1	3.19	21.4	3.76	23.7	4.39		
	29	12.1	1.86	14.4	2.32	16.8	2.84	17.9	3.11	19.1	3.40	21.4	4.02	23.7	4.69		
	31	12.1	1.98	14.4	2.47	16.8	3.02	17.9	3.32	19.1	3.63	21.4	4.29	23.4	4.87		
	33	12.1	2.10	14.4	2.63	16.8	3.22	17.9	3.53	19.1	3.86	21.4	4.58	23.0	5.06		
	35	12.1	2.23	14.4	2.79	16.8	3.42	17.9	3.76	19.1	4.12	21.4	4.88	22.7	5.24		
	37	12.1	2.36	14.4	2.96	16.8	3.64	17.9	4.00	19.1	4.38	21.4	5.20	22.3	5.43		
	39	12.1	2.50	14.4	3.15	16.8	3.87	17.9	4.26	19.1	4.66	21.4	5.54	21.9	5.61		
	10	10.6	1.26	12.6	1.49	14.7	1.74	15.7	1.87	16.7	2.00	18.7	2.28	20.8	2.56		
	12	10.6	1.28	12.6	1.52	14.7	1.77	15.7	1.90	16.7	2.04	18.7	2.32	20.8	2.61		
	14	10.6	1.30	12.6	1.54	14.7	1.80	15.7	1.94	16.7	2.08	18.7	2.36	20.8	2.66		
	16	10.6	1.32	12.6	1.57	14.7	1.83	15.7	1.97	16.7	2.12	18.7	2.41	20.8	2.71		
	18	10.6	1.34	12.6	1.60	14.7	1.87	15.7	2.01	16.7	2.16	18.7	2.45	20.8	2.76		
	20	10.6	1.36	12.6	1.62	14.7	1.90	15.7	2.05	16.7	2.20	18.7	2.50	20.8	2.84		
	21	10.6	1.37	12.6	1.64	14.7	1.92	15.7	2.07	16.7	2.22	18.7	2.54	20.8	2.94		
	23	10.6	1.40	12.6	1.67	14.7	1.96	15.7	2.14	16.7	2.33	18.7	2.72	20.8	3.15		
	25	10.6	1.42	12.6	1.74	14.7	2.09	15.7	2.28	16.7	2.48	18.7	2.91	20.8	3.37		
	27	10.6	1.50	12.6	1.85	14.7	2.23	15.7	2.43	16.7	2.65	18.7	3.11	20.8	3.60		
	29	10.6	1.59	12.6	1.96	14.7	2.37	15.7	2.59	16.7	2.82	18.7	3.31	20.8	3.85		
	31	10.6	1.69	12.6	2.09	14.7	2.52	15.7	2.76	16.7	3.01	18.7	3.53	20.8	4.10		
	33	10.6	1.79	12.6	2.21	14.7	2.68	15.7	2.94	16.7	3.20	18.7	3.76	20.8	4.38		
	35	10.6	1.90	12.6	2.35	14.7	2.85	15.7	3.12	16.7	3.40	18.7	4.01	20.8	4.66		
	37	10.6	2.01	12.6	2.49	14.7	3.03	15.7	3.32	16.7	3.62	18.7	4.27	20.8	4.97		
	39	10.6	2.13	12.6	2.64	14.7	3.22	15.7	3.52	16.7	3.85	18.7	4.54	20.8	5.29		

4TW32032-1

NOTES - ANMERKUNGEN - Σημειώσεις - NOTAS - REMARQUES - NOTE - OPMERKINGEN - примечания - NOTLAR

- The above table shows the average value of conditions which may occur.
Die obige Tabelle zeigt den Durchschnittswert der Bedingungen, die auftreten können.
Στον παραπάνω πίνακα αναγράφεται η μέση τιμή για συνθήκες που μπορεί να προκύψουν.
La tabla de arriba muestra el valor medio de condiciones que pueden ocurrir.
Le tableau ci-dessus donne la valeur moyenne pour des conditions qui peuvent survenir.
La tabella in alto mostra il valore delle condizioni medie che si possono riscontrare.
De tabel hierboven geeft de gemiddelde waarde aan van situaties die kunnen voorvallen.
Таблица расположенная выше показывает среднее значение условий, которые могут наступить.
Yukarıdaki tablo meydana gelebilecek koşulların ortalama değerini göstermektedir.

5 Capacity tables

5 - 1 Cooling Capacity Tables

ERQ200AW1

Cooling

TC: Total capacity; kW; PI: Power Input; kW (Comp. + Outdoor fan motor)

Combination % kW (Capacity index)	Outdoor air temp. (°CDB)	Indoor air temp. °CWB															
		14.0 °CWB		16.0 °CWB		18.0 °CWB		19.0 °CWB		20.0 °CWB		22.0 °CWB		24.0 °CWB			
		20.0 °CDB		23.0 °CDB		26.0 °CDB		27.0 °CDB		28.0 °CDB		30.0 °CDB		32.0 °CDB			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60% 13.44 kW (120)	10	9.1	1.09	10.8	1.28	12.6	1.48	13.4	1.59	14.3	1.70	16.1	1.92	17.8	2.15		
	12	9.1	1.11	10.8	1.30	12.6	1.51	13.4	1.62	14.3	1.73	16.1	1.95	17.8	2.19		
	14	9.1	1.12	10.8	1.32	12.6	1.53	13.4	1.64	14.3	1.76	16.1	1.99	17.8	2.23		
	16	9.1	1.14	10.8	1.34	12.6	1.56	13.4	1.67	14.3	1.79	16.1	2.03	17.8	2.27		
	18	9.1	1.16	10.8	1.37	12.6	1.59	13.4	1.70	14.3	1.82	16.1	2.06	17.8	2.32		
	20	9.1	1.18	10.8	1.39	12.6	1.62	13.4	1.73	14.3	1.86	16.1	2.10	17.8	2.36		
	21	9.1	1.19	10.8	1.40	12.6	1.63	13.4	1.75	14.3	1.87	16.1	2.12	17.8	2.39		
	23	9.1	1.21	10.8	1.43	12.6	1.66	13.4	1.78	14.3	1.91	16.1	2.21	17.8	2.54		
	25	9.1	1.23	10.8	1.45	12.6	1.73	13.4	1.87	14.3	2.03	16.1	2.36	17.8	2.71		
	27	9.1	1.27	10.8	1.54	12.6	1.84	13.4	2.00	14.3	2.16	16.1	2.51	17.8	2.89		
	29	9.1	1.35	10.8	1.63	12.6	1.95	13.4	2.12	14.3	2.30	16.1	2.68	17.8	3.09		
	31	9.1	1.43	10.8	1.73	12.6	2.07	13.4	2.26	14.3	2.45	16.1	2.85	17.8	3.29		
	33	9.1	1.51	10.8	1.84	12.6	2.20	13.4	2.40	14.3	2.60	16.1	3.03	17.8	3.50		
	35	9.1	1.59	10.8	1.95	12.6	2.34	13.4	2.54	14.3	2.76	16.1	3.23	17.8	3.73		
	37	9.1	1.69	10.8	2.06	12.6	2.48	13.4	2.70	14.3	2.93	16.1	3.43	17.8	3.97		
	39	9.1	1.78	10.8	2.18	12.6	2.63	13.4	2.86	14.3	3.11	16.1	3.64	17.8	4.22		
50% 11.20 kW (100)	10	7.56	0.94	9.0	1.09	10.5	1.24	11.2	1.33	11.9	1.41	13.4	1.58	14.8	1.76		
	12	7.56	0.95	9.0	1.10	10.5	1.26	11.2	1.35	11.9	1.43	13.4	1.61	14.8	1.79		
	14	7.56	0.96	9.0	1.12	10.5	1.28	11.2	1.37	11.9	1.46	13.4	1.64	14.8	1.83		
	16	7.56	0.98	9.0	1.14	10.5	1.30	11.2	1.39	11.9	1.48	13.4	1.67	14.8	1.86		
	18	7.56	0.99	9.0	1.15	10.5	1.32	11.2	1.41	11.9	1.51	13.4	1.70	14.8	1.89		
	20	7.56	1.01	9.0	1.17	10.5	1.35	11.2	1.44	11.9	1.53	13.4	1.73	14.8	1.93		
	21	7.56	1.01	9.0	1.18	10.5	1.36	11.2	1.45	11.9	1.55	13.4	1.74	14.8	1.95		
	23	7.56	1.03	9.0	1.20	10.5	1.38	11.2	1.48	11.9	1.57	13.4	1.78	14.8	1.99		
	25	7.56	1.04	9.0	1.22	10.5	1.41	11.2	1.51	11.9	1.62	13.4	1.87	14.8	2.13		
	27	7.56	1.06	9.0	1.26	10.5	1.48	11.2	1.60	11.9	1.73	13.4	1.99	14.8	2.27		
	29	7.56	1.12	9.0	1.34	10.5	1.58	11.2	1.70	11.9	1.83	13.4	2.11	14.8	2.41		
	31	7.56	1.18	9.0	1.42	10.5	1.67	11.2	1.81	11.9	1.95	13.4	2.25	14.8	2.57		
	33	7.56	1.25	9.0	1.50	10.5	1.77	11.2	1.91	11.9	2.07	13.4	2.38	14.8	2.73		
	35	7.56	1.32	9.0	1.58	10.5	1.87	11.2	2.03	11.9	2.19	13.4	2.53	14.8	2.90		
	37	7.56	1.39	9.0	1.67	10.5	1.98	11.2	2.15	11.9	2.32	13.4	2.69	14.8	3.08		
	39	7.56	1.47	9.0	1.77	10.5	2.10	11.2	2.28	11.9	2.46	13.4	2.85	14.8	3.27		

5 Capacity tables

5 - 1 Cooling Capacity Tables

ERQ250AW1

Cooling

TC: Total capacity; kW; PI: Power Input; kW (Comp. + Outdoor fan motor)

Combination % kW (Capacity index)	Outdoor air temp. (°CDB)	Indoor air temp. °CWB															
		14.0 °CWB		16.0 °CWB		18.0 °CWB		19.0 °CWB		20.0 °CWB		22.0 °CWB		24.0 °CWB			
		20.0 °CDB		23.0 °CDB		26.0 °CDB		27.0 °CDB		28.0 °CDB		30.0 °CDB		32.0 °CDB			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100% 28.00 kW (250)	10	18.9	2.56	22.5	3.10	26.2	3.67	28.0	3.97	29.8	4.27	33.5	4.88	35.4	5.05		
	12	18.9	2.60	22.5	3.16	26.2	3.74	28.0	4.04	29.8	4.35	33.5	4.97	34.9	5.02		
	14	18.9	2.65	22.5	3.22	26.2	3.81	28.0	4.12	29.8	4.43	33.5	5.07	34.5	4.99		
	16	18.9	2.70	22.5	3.28	26.2	3.89	28.0	4.20	29.8	4.52	33.3	5.13	34.0	5.08		
	18	18.9	2.75	22.5	3.34	26.2	3.96	28.0	4.28	29.8	4.61	32.9	5.20	33.6	5.14		
	20	18.9	2.80	22.5	3.41	26.2	4.03	28.0	4.36	29.8	4.70	32.4	5.27	33.1	5.20		
	21	18.9	2.83	22.5	3.44	26.2	4.06	28.0	4.39	29.8	4.73	32.2	5.29	32.9	5.22		
	23	18.9	2.90	22.5	3.51	26.2	4.13	28.0	4.46	29.8	4.80	31.8	5.34	32.4	5.27		
	25	18.9	2.97	22.5	3.58	26.2	4.20	28.0	4.53	29.8	4.87	31.3	5.39	32.0	5.30		
	27	18.9	3.03	22.5	3.64	26.2	4.26	28.0	4.59	29.8	4.93	30.8	5.44	31.5	5.35		
90% 25.20 kW (225)	29	18.9	3.10	22.5	3.71	26.2	4.33	28.0	4.66	29.7	5.00	30.4	5.49	31.1	5.40		
	31	18.9	3.17	22.5	3.78	26.2	4.40	28.0	4.73	29.3	5.07	30.0	5.54	30.6	5.45		
	33	18.9	3.24	22.5	3.85	26.2	4.47	28.0	4.80	28.8	5.14	29.5	5.59	30.2	5.50		
	35	18.9	3.31	22.5	3.92	26.2	4.54	28.0	4.87	28.3	5.21	29.0	5.64	29.7	5.55		
	37	18.9	3.38	22.5	4.00	26.2	4.61	27.5	4.94	27.9	5.28	28.6	5.69	29.2	5.60		
	39	18.9	3.45	22.5	4.07	26.2	4.68	27.1	5.01	27.4	5.35	28.1	5.74	28.8	5.65		
	10	17.0	2.29	20.3	2.76	23.6	3.26	25.2	3.52	26.8	3.78	30.1	4.32	33.4	4.87		
	12	17.0	2.33	20.3	2.81	23.6	3.32	25.2	3.58	26.8	3.85	30.1	4.40	33.4	4.96		
	14	17.0	2.37	20.3	2.86	23.6	3.38	25.2	3.65	26.8	3.92	30.1	4.48	33.4	5.05		
	16	17.0	2.41	20.3	2.91	23.6	3.45	25.2	3.72	26.8	4.00	30.1	4.57	33.3	5.14		
80% 22.40 kW (200)	18	17.0	2.45	20.3	2.97	23.6	3.51	25.2	3.79	26.8	4.08	30.1	4.66	32.9	5.20		
	20	17.0	2.50	20.3	3.03	23.6	3.58	25.2	3.87	26.8	4.23	30.1	4.75	32.4	5.25		
	21	17.0	2.52	20.3	3.06	23.6	3.64	25.2	3.90	26.8	4.30	30.1	4.78	32.2	5.27		
	23	17.0	2.57	20.3	3.12	23.6	3.70	25.2	3.97	26.8	4.37	30.1	4.85	31.7	5.32		
	25	17.0	2.62	20.3	3.18	23.6	3.76	25.2	4.03	26.8	4.43	30.1	4.91	31.3	5.37		
	27	17.0	2.67	20.3	3.24	23.6	3.82	25.2	4.09	26.8	4.49	30.1	4.97	30.8	5.42		
	29	17.0	2.72	20.3	3.30	23.6	3.88	25.2	4.15	26.8	4.55	30.1	5.03	30.4	5.47		
	31	17.0	2.77	20.3	3.36	23.6	3.94	25.2	4.21	26.8	4.61	30.1	5.09	30.0	5.52		
	33	17.0	2.82	20.3	3.42	23.6	4.00	25.2	4.27	26.8	4.67	29.9	5.15	29.5	5.57		
	35	17.0	2.87	20.3	3.48	23.6	4.06	25.2	4.33	26.8	4.73	29.9	5.21	29.0	5.62		
70% 19.60 kW (175)	37	17.0	2.92	20.3	3.54	23.6	4.12	25.2	4.39	26.8	4.79	29.9	5.27	28.6	5.67		
	39	17.0	2.97	20.3	3.60	23.6	4.18	25.2	4.45	26.8	4.85	29.9	5.33	28.1	5.72		
	10	15.1	2.03	18.0	2.43	20.9	2.86	22.4	3.08	23.9	3.30	26.8	3.77	29.7	4.25		
	12	15.1	2.06	18.0	2.47	20.9	2.91	22.4	3.14	23.9	3.37	26.8	3.84	29.7	4.33		
	14	15.1	2.10	18.0	2.52	20.9	2.96	22.4	3.19	23.9	3.43	26.8	3.91	29.7	4.41		
	16	15.1	2.13	18.0	2.56	20.9	3.02	22.4	3.25	23.9	3.49	26.8	3.99	29.7	4.49		
	18	15.1	2.17	18.0	2.61	20.9	3.08	22.4	3.32	23.9	3.56	26.8	4.07	29.7	4.58		
	20	15.1	2.21	18.0	2.66	20.9	3.14	22.4	3.38	23.9	3.63	26.8	4.15	29.7	4.66		
	21	15.1	2.23	18.0	2.68	20.9	3.17	22.4	3.42	23.9	3.71	26.8	4.20	29.7	4.70		
	23	15.1	2.27	18.0	2.74	20.9	3.23	22.4	3.48	23.9	3.77	26.8	4.26	29.7	4.76		

4TW32032-1

NOTES - ANMERKUNGEN - Σημειώσεις - NOTAS - REMARQUES - NOTE - OPMERKINGEN - примечания - NOTLAR

- The above table shows the average value of conditions which may occur.
Die obige Tabelle zeigt den Durchschnittswert der Bedingungen, die auftreten können.
Στον παραπάνω πίνακα αναγράφεται η μέση τιμή για συνθήκες που μπορεί να προκύψουν.
La tabla de arriba muestra el valor medio de condiciones que pueden ocurrir.
Le tableau ci-dessus donne la valeur moyenne pour des conditions qui peuvent survenir.
La tabella in alto mostra il valore delle condizioni medie che si possono riscontrare.
De tabel hierboven geeft de gemiddelde waarde aan van situaties die kunnen voorvallen.
Таблица расположенная выше показывает среднее значение условий, которые могут наступить.
Yukarıdaki tablo meydana gelebilecek koşulların ortalama değerini göstermektedir.

5 Capacity tables

5 - 1 Cooling Capacity Tables

ERQ250AW1

Cooling

TC: Total capacity; kW; PI: Power Input; kW (Comp. + Outdoor fan motor)

Combination % kW (Capacity index)	Outdoor air temp. (°CDB)	Indoor air temp. °CWB															
		14.0 °CWB		16.0 °CWB		18.0 °CWB		19.0 °CWB		20.0 °CWB		22.0 °CWB		24.0 °CWB			
		20.0 °CDB		23.0 °CDB		26.0 °CDB		27.0 °CDB		28.0 °CDB		30.0 °CDB		32.0 °CDB			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60% 16.80 kW (150)	10	11.3	1.55	13.5	1.82	15.7	2.11	16.8	2.26	17.9	2.41	20.1	2.73	22.3	3.06		
	12	11.3	1.58	13.5	1.85	15.7	2.15	16.8	2.30	17.9	2.45	20.1	2.78	22.3	3.11		
	14	11.3	1.60	13.5	1.88	15.7	2.18	16.8	2.34	17.9	2.50	20.1	2.83	22.3	3.17		
	16	11.3	1.62	13.5	1.91	15.7	2.22	16.8	2.38	17.9	2.54	20.1	2.88	22.3	3.23		
	18	11.3	1.65	13.5	1.94	15.7	2.26	16.8	2.42	17.9	2.59	20.1	2.93	22.3	3.29		
	20	11.3	1.67	13.5	1.98	15.7	2.30	16.8	2.47	17.9	2.64	20.1	2.99	22.3	3.36		
	21	11.3	1.69	13.5	1.99	15.7	2.32	16.8	2.49	17.9	2.66	20.1	3.02	22.3	3.39		
	23	11.3	1.71	13.5	2.03	15.7	2.36	16.8	2.54	17.9	2.71	20.1	3.14	22.3	3.61		
	25	11.3	1.74	13.5	2.06	15.7	2.45	16.8	2.66	17.9	2.88	20.1	3.35	22.3	3.85		
	27	11.3	1.81	13.5	2.19	15.7	2.61	16.8	2.84	17.9	3.07	20.1	3.57	22.3	4.11		
	29	11.3	1.91	13.5	2.32	15.7	2.78	16.8	3.02	17.9	3.27	20.1	3.81	22.3	4.39		
	31	11.3	2.03	13.5	2.46	15.7	2.95	16.8	3.21	17.9	3.48	20.1	4.05	22.3	4.67		
	33	11.3	2.14	13.5	2.61	15.7	3.13	16.8	3.41	17.9	3.70	20.1	4.31	22.3	4.98		
	35	11.3	2.27	13.5	2.77	15.7	3.32	16.8	3.62	17.9	3.93	20.1	4.59	22.3	5.30		
	37	11.3	2.40	13.5	2.93	15.7	3.52	16.8	3.84	17.9	4.17	20.1	4.88	22.3	5.64		
	39	11.3	2.53	13.5	3.10	15.7	3.73	16.8	4.07	17.9	4.43	20.1	5.18	22.3	6.00		
50% 14.00 kW (125)	10	9.45	1.34	11.3	1.55	13.1	1.77	14.0	1.89	14.9	2.00	16.7	2.25	18.6	2.51		
	12	9.45	1.35	11.3	1.57	13.1	1.80	14.0	1.91	14.9	2.04	16.7	2.29	18.6	2.55		
	14	9.45	1.37	11.3	1.59	13.1	1.82	14.0	1.95	14.9	2.07	16.7	2.33	18.6	2.60		
	16	9.45	1.39	11.3	1.61	13.1	1.85	14.0	1.98	14.9	2.10	16.7	2.37	18.6	2.64		
	18	9.45	1.41	11.3	1.64	13.1	1.88	14.0	2.01	14.9	2.14	16.7	2.41	18.6	2.69		
	20	9.45	1.43	11.3	1.66	13.1	1.91	14.0	2.04	14.9	2.18	16.7	2.45	18.6	2.74		
	21	9.45	1.44	11.3	1.68	13.1	1.93	14.0	2.06	14.9	2.20	16.7	2.48	18.6	2.77		
	23	9.45	1.46	11.3	1.70	13.1	1.96	14.0	2.10	14.9	2.24	16.7	2.52	18.6	2.83		
	25	9.45	1.48	11.3	1.73	13.1	2.00	14.0	2.14	14.9	2.31	16.7	2.65	18.6	3.02		
	27	9.45	1.51	11.3	1.80	13.1	2.11	14.0	2.28	14.9	2.45	16.7	2.82	18.6	3.22		
	29	9.45	1.59	11.3	1.90	13.1	2.24	14.0	2.42	14.9	2.61	16.7	3.00	18.6	3.43		
	31	9.45	1.68	11.3	2.01	13.1	2.37	14.0	2.57	14.9	2.77	16.7	3.19	18.6	3.65		
	33	9.45	1.78	11.3	2.13	13.1	2.52	14.0	2.72	14.9	2.94	16.7	3.39	18.6	3.88		
	35	9.45	1.88	11.3	2.25	13.1	2.66	14.0	2.88	14.9	3.11	16.7	3.60	18.6	4.12		
	37	9.45	1.98	11.3	2.38	13.1	2.82	14.0	3.05	14.9	3.30	16.7	3.82	18.6	4.38		
	39	9.45	2.09	11.3	2.51	13.1	2.98	14.0	3.23	14.9	3.50	16.7	4.05	18.6	4.65		

5 Capacity tables

5 - 2 Heating Capacity Tables

ERQ125AW1

Heating

TC: Total capacity; kW; PI: Power Input; kW (Comp. + Outdoor fan motor)

Combination % kW (Capacity index)	Outdoor air temp.		Indoor air temp. °CWB											
			16.0		18.0		20.0		21.0		22.0		24.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100% 14.00 kW (125)	°CDB	°CWB												
	-19.8	-20.0	10.4	3.61	10.4	3.76	10.4	3.91	10.3	3.98	10.3	4.06	10.3	4.20
	-18.8	-19.0	10.7	3.69	10.7	3.84	10.7	3.98	10.7	4.05	10.6	4.12	10.6	4.27
	-16.7	-17.0	11.3	3.84	11.3	3.98	11.3	4.11	11.3	4.18	11.3	4.25	11.2	4.38
	-13.7	-15.0	12.0	3.97	11.9	4.10	11.9	4.23	11.9	4.29	11.9	4.36	11.9	4.49
	-11.8	-13.0	12.6	4.09	12.6	4.21	12.5	4.34	12.5	4.40	12.5	4.46	12.5	4.58
	-9.8	-11.0	13.2	4.20	13.2	4.32	13.2	4.43	13.2	4.49	13.1	4.55	13.1	4.66
	-9.5	-10.0	13.5	4.25	13.5	4.36	13.5	4.48	13.5	4.53	13.5	4.59	13.4	4.70
	-8.5	-9.1	13.8	4.30	13.8	4.41	13.8	4.52	13.7	4.57	13.7	4.63	13.7	4.74
	-7.0	-7.6	14.3	4.36	14.3	4.47	14.2	4.58	14.2	4.63	14.2	4.68	13.9	4.67
	-5.0	-5.6	14.9	4.45	14.9	4.55	14.9	4.65	14.8	4.70	14.8	4.76	13.9	4.42
	-3.0	-3.7	15.5	4.52	15.5	4.62	15.5	4.72	15.4	4.77	15.0	4.60	13.9	4.21
	0.0	-0.7	16.4	4.63	16.4	4.72	16.0	4.63	15.5	4.45	15.0	4.27	13.9	3.92
	3.0	2.2	17.4	4.72	17.0	4.68	16.0	4.34	15.5	4.17	15.0	4.00	13.9	3.68
	5.0	4.1	18.0	4.78	17.0	4.49	16.0	4.16	15.5	4.00	15.0	3.84	13.9	3.54
90% 12.60 kW (113)	7.0	6.0	18.1	4.63	17.0	4.31	16.0	4.00	15.5	3.85	15.0	3.70	13.9	3.40
	9.0	7.9	18.1	4.45	17.0	4.15	16.0	3.85	15.5	3.71	15.0	3.56	13.9	3.28
	11.0	9.8	18.1	4.29	17.0	4.00	16.0	3.71	15.5	3.57	15.0	3.44	13.9	3.17
	13.0	11.8	18.1	4.13	17.0	3.85	16.0	3.58	15.5	3.45	15.0	3.32	13.9	3.06
	15.0	13.7	18.1	3.99	17.0	3.72	16.0	3.46	15.5	3.33	15.0	3.21	13.9	2.96
	-19.8	-20.0	10.4	3.87	10.3	4.00	10.3	4.14	10.3	4.20	10.3	4.27	10.3	4.40
	-18.8	-19.0	10.7	3.94	10.6	4.07	10.6	4.20	10.6	4.27	10.6	4.33	10.6	4.46
	-16.7	-17.0	11.3	4.08	11.3	4.20	11.2	4.32	11.2	4.38	11.2	4.44	11.2	4.57
	-13.7	-15.0	11.9	4.20	11.9	4.31	11.9	4.43	11.9	4.49	11.8	4.54	11.8	4.66
	-11.8	-13.0	12.6	4.31	12.5	4.42	12.5	4.53	12.5	4.58	12.5	4.63	12.4	4.74
	-9.8	-11.0	13.2	4.40	13.2	4.51	13.1	4.61	13.1	4.66	13.1	4.72	12.5	4.52
	-9.5	-10.0	13.5	4.45	13.5	4.55	13.4	4.65	13.4	4.70	13.4	4.75	12.5	4.39
	-8.5	-9.1	13.8	4.49	13.7	4.59	13.7	4.69	13.7	4.74	13.5	4.67	12.5	4.28
	-7.0	-7.6	14.2	4.55	14.2	4.65	14.2	4.74	13.9	4.66	13.5	4.47	12.5	4.10
	-5.0	-5.6	14.9	4.63	14.8	4.72	14.4	4.60	13.9	4.42	13.5	4.24	12.5	3.90
	-3.0	-3.7	15.5	4.70	15.3	4.73	14.4	4.38	13.9	4.21	13.5	4.04	12.5	3.72
80% 11.20 kW (100)	0.0	-0.7	16.3	4.72	15.3	4.40	14.4	4.08	13.9	3.92	13.5	3.77	12.5	3.47
	3.0	2.2	16.3	4.42	15.3	4.12	14.4	3.82	13.9	3.68	13.5	3.53	12.5	3.26
	5.0	4.1	16.3	4.24	15.3	3.95	14.4	3.67	13.9	3.53	13.5	3.40	12.5	3.13
	7.0	6.0	16.3	4.07	15.3	3.80	14.4	3.53	13.9	3.40	13.5	3.27	12.5	3.02
	9.0	7.9	16.3	3.92	15.3	3.66	14.4	3.40	13.9	3.28	13.5	3.16	12.5	2.91
	11.0	9.8	16.3	3.78	15.3	3.53	14.4	3.29	13.9	3.17	13.5	3.05	12.5	2.82
	13.0	11.8	16.3	3.65	15.3	3.41	14.4	3.17	13.9	3.06	13.5	2.94	12.5	2.72
	15.0	13.7	16.3	3.52	15.3	3.29	14.4	3.07	13.9	2.96	13.5	2.85	12.5	2.64
	-19.8	-20.0	10.3	4.13	10.3	4.25	10.3	4.37	10.3	4.43	10.2	4.49	10.2	4.60
	-18.8	-19.0	10.6	4.20	10.6	4.31	10.6	4.43	10.6	4.48	10.6	4.54	10.5	4.66
	-16.7	-17.0	11.2	4.32	11.2	4.42	11.2	4.53	11.2	4.59	11.2	4.64	11.2	4.75
	-13.7	-15.0	11.9	4.42	11.9	4.53	11.8	4.63	11.8	4.68	11.8	4.73	11.2	4.43
	-11.8	-13.0	12.5	4.52	12.5	4.62	12.5	4.71	12.4	4.73	12.0	4.54	11.2	4.16
	-9.8	-11.0	13.1	4.61	13.1	4.70	12.8	4.63	12.4	4.45	12.0	4.27	11.2	3.92
	-9.5	-10.0	13.4	4.65	13.4	4.74	12.8	4.50	12.4	4.32	12.0	4.15	11.2	3.81
	-8.5	-9.1	13.7	4.68	13.6	4.73	12.8	4.38	12.4	4.21	12.0	4.04	11.2	3.72
	-7.0	-7.6	14.2	4.74	13.6	4.53	12.8	4.20	12.4	4.04	12.0	3.88	11.2	3.57
	-5.0	-5.6	14.4	4.62	13.6	4.30	12.8	3.99	12.4	3.84	12.0	3.69	11.2	3.39
	-3.0	-3.7	14.4	4.40	13.6	4.10	12.8	3.80	12.4	3.66	12.0	3.52	11.2	3.24
	0.0	-0.7	14.4	4.09	13.6	3.82	12.8	3.55	12.4	3.41	12.0	3.28	11.2	3.03
	3.0	2.2	14.4	3.84	13.6	3.58	12.8	3.33	12.4	3.21	12.0	3.09	11.2	2.85
	5.0	4.1	14.4	3.68	13.6	3.44	12.8	3.20	12.4	3.09	12.0	2.97	11.2	2.75
	7.0	6.0	14.4	3.55	13.6	3.31	12.8	3.09	12.4	2.97	12.0	2.86	11.2	2.65
	9.0	7.9	14.4	3.42	13.6	3.19	12.8	2.98	12.4	2.87	12.0	2.77	11.2	2.56
	11.0	9.8	14.4	3.30	13.6	3.09	12.8	2.88	12.4	2.78	12.0	2.67	11.2	2.48
	13.0	11.8	14.4	3.18	13.6	2.98	12.8	2.78	12.4	2.68	12.0	2.59	11.2	2.40
	15.0	13.7	14.4	3.08	13.6	2.88	12.8	2.69	12.4	2.60	12.0	2.51	11.2	2.32

4TW32032-2

NOTES - ANMERKUNGEN - Σημειώσεις - NOTAS - REMARQUES - NOTE - OPMERKINGEN - примечания - NOTLAR

- is shown as reference
When selecting the unit models, avoid the outdoor air temperature range shown by ■
■ dient als Verweis.
Vermeiden Sie bei der Auswahl der Gerätemodelle den als ■ markierten Temperaturbereich der Außenluft.
■ εμφανίζεται σαν τιμή αναφοράς.
Κατά την επιλογή μοντέλων μονάδων, αποφύγετε την περιοχή θερμοκρασίας εξωτερικού αέρα που εμφανίζεται στο. ■
■ se muestra a modo de referencia.
Cuando seleccione los modelos de unidad, evite el intervalo de temperaturas del aire exterior indicado mediante ■
■ est indiqué à titre de référence.
Lors de la sélection des modèles d'unité, évitez la plage de température d'air extérieur repérée par ■
■ viene mostrato come riferimento.
Nel selezionare i modelli delle unità, non considerare i valori di temperatura dell'aria esterna indicati con il colore ■
■ wordt ter referentie opgegeven
Bij selectie van de modellen dient u het gemarkeerde ■ bereik voor de buitenluchttemperatuur te vermijden.
■ приведено для справки
При выборе моделей блоков избегайте диапазон температура наружного воздуха, показанный в ■
- referans olarak görülmektedir.
Ünite modellerini seçerken, görülen dış hava sıcaklığı aralığından kaçının ■
The above table shows the average value of conditions which may occur.
Die obige Tabelle zeigt den Durchschnittswert der Bedingungen, die auftreten können.
Στον παραπάνω πίνακα αναγράφεται η μέση τιμή για συνθήκες που μπορεί να προκύψουν.
La tabla de arriba muestra el valor medio de condiciones que pueden ocurrir.
Le tableau ci-dessus donne la valeur moyenne pour des conditions qui peuvent survenir.
La tabella in alto mostra il valore delle condizioni medie che si possono riscontrare.
De tabel hierboven geeft de gemiddelde waarde aan van situaties die kunnen voorvallen.
Таблица расположенная выше показывает среднее значение условий, которые могут наступить.
Yukarıdaki tablo meydana gelebilecek koşulların ortalama değerini göstermektedir.

5 Capacity tables
5 - 2 Heating Capacity Tables

ERQ125AW1

Heating

TC: Total capacity; kW; PI: Power Input; kW (Comp. + Outdoor fan motor)

Combination % kW (Capacity index)	Outdoor air temp.		Indoor air temp. °CWB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°CDB	°CWB	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
70% 9.80 kW (88)	-19.8	-20.0	10.3	4.39	10.2	4.49	10.2	4.60	10.2	4.65	10.2	4.70	9.8	4.50
	-18.8	-19.0	10.6	4.45	10.6	4.55	10.5	4.65	10.5	4.70	10.5	4.73	9.8	4.33
	-16.7	-17.0	11.2	4.55	11.2	4.65	11.2	4.74	10.8	4.58	10.5	4.40	9.8	4.03
	-13.7	-15.0	11.8	4.65	11.8	4.74	11.2	4.46	10.8	4.28	10.5	4.11	9.8	3.78
	-11.8	-13.0	12.5	4.73	11.9	4.51	11.2	4.18	10.8	4.02	10.5	3.86	9.8	3.55
	-9.8	-11.0	12.6	4.56	11.9	4.24	11.2	3.94	10.8	3.79	10.5	3.64	9.8	3.35
	-9.5	-10.0	12.6	4.43	11.9	4.12	11.2	3.83	10.8	3.68	10.5	3.54	9.8	3.26
	-8.5	-9.1	12.6	4.31	11.9	4.02	11.2	3.73	10.8	3.59	10.5	3.45	9.8	3.18
	-7.0	-7.6	12.6	4.14	11.9	3.86	11.2	3.59	10.8	3.45	10.5	3.32	9.8	3.06
	-5.0	-5.6	12.6	3.93	11.9	3.67	11.2	3.41	10.8	3.28	10.5	3.16	9.8	2.92
	-3.0	-3.7	12.6	3.75	11.9	3.50	11.2	3.26	10.8	3.14	10.5	3.02	9.8	2.79
	0.0	-0.7	12.6	3.49	11.9	3.27	11.2	3.04	10.8	2.93	10.5	2.83	9.8	2.61
	3.0	2.2	12.6	3.28	11.9	3.07	11.2	2.86	10.8	2.76	10.5	2.66	9.8	2.47
	5.0	4.1	12.6	3.16	11.9	2.96	11.2	2.76	10.8	2.66	10.5	2.57	9.8	2.38
	7.0	6.0	12.6	3.04	11.9	2.85	11.2	2.66	10.8	2.57	10.5	2.48	9.8	2.30
	9.0	7.9	12.6	2.94	11.9	2.75	11.2	2.57	10.8	2.48	10.5	2.39	9.8	2.22
	11.0	9.8	12.6	2.84	11.9	2.66	11.2	2.49	10.8	2.40	10.5	2.32	9.8	2.15
	13.0	11.8	12.6	2.74	11.9	2.57	11.2	2.41	10.8	2.32	10.5	2.24	9.8	2.08
	15.0	13.7	12.6	2.66	11.9	2.49	11.2	2.33	10.8	2.25	10.5	2.18	9.8	2.02
60% 8.40 kW (75)	-19.8	-20.0	10.2	4.65	10.2	4.74	9.6	4.41	9.3	4.23	9.0	4.06	8.4	3.73
	-18.8	-19.0	10.5	4.70	10.2	4.58	9.6	4.24	9.3	4.08	9.0	3.92	8.4	3.60
	-16.7	-17.0	10.8	4.58	10.2	4.26	9.6	3.95	9.3	3.80	9.0	3.65	8.4	3.36
	-13.7	-15.0	10.8	4.28	10.2	3.99	9.6	3.70	9.3	3.56	9.0	3.43	8.4	3.16
	-11.8	-13.0	10.8	4.02	10.2	3.75	9.6	3.48	9.3	3.35	9.0	3.23	8.4	2.98
	-9.8	-11.0	10.8	3.79	10.2	3.53	9.6	3.29	9.3	3.17	9.0	3.05	8.4	2.82
	-9.5	-10.0	10.8	3.68	10.2	3.44	9.6	3.20	9.3	3.08	9.0	2.97	8.4	2.74
	-8.5	-9.1	10.8	3.59	10.2	3.35	9.6	3.12	9.3	3.01	9.0	2.90	8.4	2.68
	-7.0	-7.6	10.8	3.45	10.2	3.23	9.6	3.01	9.3	2.90	9.0	2.79	8.4	2.58
	-5.0	-5.6	10.8	3.28	10.2	3.07	9.6	2.86	9.3	2.76	9.0	2.66	8.4	2.46
	-3.0	-3.7	10.8	3.14	10.2	2.94	9.6	2.74	9.3	2.64	9.0	2.55	8.4	2.36
	0.0	-0.7	10.8	2.93	10.2	2.75	9.6	2.57	9.3	2.48	9.0	2.39	8.4	2.22
	3.0	2.2	10.8	2.76	10.2	2.59	9.6	2.42	9.3	2.34	9.0	2.26	8.4	2.10
	5.0	4.1	10.8	2.66	10.2	2.50	9.6	2.34	9.3	2.26	9.0	2.18	8.4	2.03
	7.0	6.0	10.8	2.57	10.2	2.41	9.6	2.26	9.3	2.18	9.0	2.11	8.4	1.96
	9.0	7.9	10.8	2.48	10.2	2.33	9.6	2.18	9.3	2.11	9.0	2.04	8.4	1.90
	11.0	9.8	10.8	2.40	10.2	2.26	9.6	2.12	9.3	2.05	9.0	1.98	8.4	1.84
	13.0	11.8	10.8	2.32	10.2	2.18	9.6	2.05	9.3	1.98	9.0	1.92	8.4	1.79
	15.0	13.7	10.8	2.25	10.2	2.12	9.6	1.99	9.3	1.93	9.0	1.86	8.4	1.74
50% 7.00 kW (63)	-19.8	-20.0	9.0	4.09	8.5	3.81	8.0	3.54	7.7	3.41	7.5	3.28	7.0	3.03
	-18.8	-19.0	9.0	3.94	8.5	3.68	8.0	3.42	7.7	3.29	7.5	3.17	7.0	2.92
	-16.7	-17.0	9.0	3.68	8.5	3.43	8.0	3.20	7.7	3.08	7.5	2.96	7.0	2.74
	-13.7	-15.0	9.0	3.45	8.5	3.22	8.0	3.00	7.7	2.89	7.5	2.79	7.0	2.58
	-11.8	-13.0	9.0	3.24	8.5	3.04	8.0	2.83	7.7	2.73	7.5	2.63	7.0	2.44
	-9.8	-11.0	9.0	3.07	8.5	2.87	8.0	2.68	7.7	2.59	7.5	2.49	7.0	2.31
	-9.5	-10.0	9.0	2.98	8.5	2.80	8.0	2.61	7.7	2.52	7.5	2.43	7.0	2.25
	-8.5	-9.1	9.0	2.91	8.5	2.73	8.0	2.55	7.7	2.46	7.5	2.38	7.0	2.21
	-7.0	-7.6	9.0	2.81	8.5	2.63	8.0	2.46	7.7	2.38	7.5	2.29	7.0	2.13
	-5.0	-5.6	9.0	2.68	8.5	2.51	8.0	2.35	7.7	2.27	7.5	2.19	7.0	2.04
	-3.0	-3.7	9.0	2.56	8.5	2.41	8.0	2.25	7.7	2.18	7.5	2.10	7.0	1.96
	0.0	-0.7	9.0	2.40	8.5	2.26	8.0	2.12	7.7	2.05	7.5	1.98	7.0	1.84
	3.0	2.2	9.0	2.27	8.5	2.14	8.0	2.00	7.7	1.94	7.5	1.87	7.0	1.75
	5.0	4.1	9.0	2.19	8.5	2.06	8.0	1.94	7.7	1.87	7.5	1.81	7.0	1.69
	7.0	6.0	9.0	2.12	8.5	1.99	8.0	1.87	7.7	1.81	7.5	1.76	7.0	1.64
	9.0	7.9	9.0	2.05	8.5	1.93	8.0	1.82	7.7	1.76	7.5	1.70	7.0	1.59
	11.0	9.8	9.0	1.99	8.5	1.87	8.0	1.76	7.7	1.71	7.5	1.65	7.0	1.55
	13.0	11.8	9.0	1.93	8.5	1.82	8.0	1.71	7.7	1.66	7.5	1.60	7.0	1.50
	15.0	13.7	9.0	1.87	8.5	1.77	8.0	1.66	7.7	1.61	7.5	1.56	7.0	1.46

4TW32032-2

5 Capacity tables

5 - 2 Heating Capacity Tables

ERQ200AW1

Heating

TC: Total capacity; kW; PI: Power Input; kW (Comp. + Outdoor fan motor)

Combination % kW (Capacity index)	Outdoor air temp.		Indoor air temp. °CWB															
			16.0		18.0		20.0		21.0		22.0		24.0					
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100% 22.40 kW (200)	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
	-19.8	-20.0	16.0	4.84	16.0	5.05	15.9	5.26	15.9	5.36	15.9	5.46	15.8	5.67				
	-18.8	-19.0	16.5	4.96	16.4	5.16	16.4	5.36	16.4	5.46	16.3	5.56	16.3	5.75				
	-16.7	-17.0	17.4	5.16	17.4	5.35	17.4	5.54	17.3	5.63	17.3	5.73	17.3	5.92				
	-13.7	-15.0	18.4	5.35	18.4	5.53	18.3	5.70	18.3	5.79	18.3	5.88	18.2	6.06				
	-11.8	-13.0	19.4	5.51	19.3	5.68	19.3	5.85	19.3	5.94	19.2	6.02	19.2	6.19				
	-9.8	-11.0	20.3	5.66	20.3	5.82	20.2	5.99	20.2	6.07	20.2	6.15	20.1	6.31				
	-9.5	-10.0	20.8	5.73	20.8	5.89	20.7	6.05	20.7	6.13	20.7	6.20	20.6	6.36				
	-8.5	-9.1	21.2	5.79	21.2	5.95	21.1	6.10	21.1	6.18	21.1	6.25	21.1	6.41				
	-7.0	-7.6	22.0	5.89	21.9	6.04	21.9	6.19	21.8	6.26	21.8	6.33	21.8	6.48				
	-5.0	-5.6	22.9	6.01	22.9	6.15	22.8	6.29	22.8	6.36	22.8	6.43	21.8	6.15				
	-3.0	-3.7	23.8	6.11	23.8	6.25	23.7	6.38	23.7	6.45	23.4	6.39	21.8	5.86				
	0.0	-0.7	25.3	6.26	25.2	6.39	25.0	6.44	24.2	6.19	23.4	5.94	21.8	5.45				
	3.0	2.2	26.7	6.39	26.6	6.50	25.0	6.03	24.2	5.79	23.4	5.56	21.8	5.11				
	5.0	4.1	27.6	6.47	26.6	6.24	25.0	5.78	24.2	5.56	23.4	5.34	21.8	4.91				
90% 20.16 kW (180)	7.0	6.0	28.2	6.44	26.6	5.99	25.0	5.56	24.2	5.35	23.4	5.14	21.8	4.73				
	9.0	7.9	28.2	6.19	26.6	5.77	25.0	5.35	24.2	5.15	23.4	4.95	21.8	4.56				
	11.0	9.8	28.2	5.96	26.6	5.56	25.0	5.16	24.2	4.97	23.4	4.78	21.8	4.40				
	13.0	11.8	28.2	5.74	26.6	5.35	25.0	4.98	24.2	4.79	23.4	4.61	21.8	4.25				
	15.0	13.7	28.2	5.55	26.6	5.17	25.0	4.81	24.2	4.63	23.4	4.46	21.8	4.11				
	-19.8	-20.0	15.9	5.21	15.9	5.39	15.8	5.58	15.8	5.67	15.8	5.76	15.8	5.95				
	-18.8	-19.0	16.4	5.31	16.4	5.49	16.3	5.67	16.3	5.76	16.3	5.85	16.2	6.03				
	-16.7	-17.0	17.4	5.49	17.3	5.66	17.3	5.83	17.3	5.92	17.2	6.00	17.2	6.17				
	-13.7	-15.0	18.3	5.66	18.3	5.82	18.2	5.98	18.2	6.06	18.2	6.14	18.2	6.30				
	-11.8	-13.0	19.3	5.81	19.2	5.96	19.2	6.11	19.2	6.19	19.2	6.27	19.1	6.42				
	-9.8	-11.0	20.2	5.95	20.2	6.09	20.2	6.24	20.1	6.31	20.1	6.38	19.6	6.28				
	-9.5	-10.0	20.7	6.01	20.7	6.15	20.6	6.29	20.6	6.36	20.6	6.43	19.6	6.10				
	-8.5	-9.1	21.2	6.06	21.1	6.20	21.1	6.34	21.1	6.41	21.0	6.48	19.6	5.95				
	-7.0	-7.6	21.9	6.15	21.8	6.28	21.8	6.42	21.8	6.48	21.1	6.22	19.6	5.71				
	-5.0	-5.6	22.8	6.26	22.8	6.38	22.5	6.39	21.8	6.14	21.1	5.90	19.6	5.41				
80% 17.92 kW (160)	-3.0	-3.7	23.8	6.35	23.7	6.47	22.5	6.09	21.8	5.85	21.1	5.62	19.6	5.17				
	0.0	-0.7	25.2	6.49	23.9	6.11	22.5	5.67	21.8	5.45	21.1	5.24	19.6	4.82				
	3.0	2.2	25.4	6.14	23.9	5.72	22.5	5.31	21.8	5.11	21.1	4.91	19.6	4.53				
	5.0	4.1	25.4	5.89	23.9	5.49	22.5	5.10	21.8	4.91	21.1	4.72	19.6	4.35				
	7.0	6.0	25.4	5.66	23.9	5.28	22.5	4.91	21.8	4.73	21.1	4.55	19.6	4.20				
	9.0	7.9	25.4	5.45	23.9	5.09	22.5	4.73	21.8	4.56	21.1	4.39	19.6	4.05				
	11.0	9.8	25.4	5.26	23.9	4.91	22.5	4.57	21.8	4.40	21.1	4.24	19.6	3.91				
	13.0	11.8	25.4	5.07	23.9	4.73	22.5	4.41	21.8	4.25	21.1	4.09	19.6	3.78				
	15.0	13.7	25.4	4.90	23.9	4.58	22.5	4.27	21.8	4.11	21.1	3.96	19.6	3.66				
	-19.8	-20.0	15.8	5.57	15.8	5.73	15.8	5.90	15.8	5.98	15.7	6.06	15.7	6.22				
	-18.8	-19.0	16.3	5.66	16.3	5.82	16.3	5.98	16.2	6.06	16.2	6.14	16.2	6.30				
	-16.7	-17.0	17.3	5.82	17.2	5.97	17.2	6.12	17.2	6.20	17.2	6.28	17.1	6.43				
	-13.7	-15.0	18.2	5.97	18.2	6.11	18.2	6.26	18.2	6.33	18.1	6.40	17.4	6.16				
	-11.8	-13.0	19.2	6.11	19.2	6.24	19.1	6.38	19.1	6.44	18.7	6.31	17.4	5.78				
	-9.8	-11.0	20.2	6.23	20.1	6.36	20.0	6.44	19.4	6.18	18.7	5.93	17.4	5.45				
	-9.5	-10.0	20.6	6.28	20.6	6.41	20.0	6.25	19.4	6.00	18.7	5.76	17.4	5.29				
	-8.5	-9.1	21.1	6.33	21.0	6.46	20.0	6.09	19.4	5.85	18.7	5.62	17.4	5.16				
	-7.0	-7.6	21.8	6.41	21.3	6.30	20.0	5.84	19.4	5.62	18.7	5.40	17.4	4.96				
	-5.0	-5.6	22.6	6.42	21.3	5.98	20.0	5.54	19.4	5.33	18.7	5.12	17.4	4.72				
	-3.0	-3.7	22.6	6.11	21.3	5.70	20.0	5.29	19.4	5.09	18.7	4.89	17.4	4.51				
	0.0	-0.7	22.6	5.69	21.3	5.30	20.0	4.93	19.4	4.75	18.7	4.57	17.4	4.21				
	3.0	2.2	22.6	5.33	21.3	4.98	20.0	4.63	19.4	4.46	18.7	4.29	17.4	3.96				
	5.0	4.1	22.6	5.12	21.3	4.78	20.0	4.45	19.4	4.29	18.7	4.13	17.4	3.82				
	7.0	6.0	22.6	4.93	21.3	4.60	20.0	4.29	19.4	4.14	18.7	3.98	17.4	3.68				
	9.0	7.9	22.6	4.75	21.3	4.44	20.0	4.14	19.4	3.99	18.7	3.85	17.4	3.56				
	11.0	9.8	22.6	4.58	21.3	4.29	20.0	4.00	19.4	3.86	18.7	3.72	17.4	3.44				
	13.0	11.8	22.6	4.42	21.3	4.14	20.0	3.86	19.4	3.73	18.7	3.59	17.4	3.33				
	15.0	13.7	22.6	4.28	21.3	4.01	20.0	3.74	19.4	3.61	18.7	3.48	17.4	3.23				

4TW32032-2

NOTES - ANMERKUNGEN - Σημειώσεις - NOTAS - REMARQUES - NOTE - OPMERKINGEN - примечания - NOTLAR

- is shown as reference
When selecting the unit models, avoid the outdoor air temperature range shown by ■
■ dient als Verweis.
Vermeiden Sie bei der Auswahl der Gerätemodelle den als ■ markierten Temperaturbereich der Außenluft.
■ εμφανίζεται σαν τιμή αναφοράς.
Κατά την επιλογή μοντέλων μονάδων, αποφύγετε την περιοχή θερμοκρασίας εξωτερικού αέρα που εμφανίζεται στο. ■
■ se muestra a modo de referencia.
Cuando seleccione los modelos de unidad, evite el intervalo de temperaturas del aire exterior indicado mediante ■
■ est indiqué à titre de référence.
Lors de la sélection des modèles d'unité, évitez la plage de température d'air extérieur repérée par ■
■ viene mostrato come riferimento.
Nel selezionare i modelli delle unità, non considerare i valori di temperatura dell'aria esterna indicati con il colore ■
■ wordt ter referentie opgegeven
Bij selectie van de modellen dient u het gemarkeerde ■ bereik voor de buitenluchttemperatuur te vermijden.
■ приведено для справки
При выборе моделей блоков избегайте диапазон температура наружного воздуха, показанный в ■
- referans olarak görülmektedir.
Ünite modellerini seçerken, görülen dış hava sıcaklığı aralığından kaçının ■
The above table shows the average value of conditions which may occur.
Die obige Tabelle zeigt den Durchschnittswert der Bedingungen, die auftreten können.
Στον παραπάνω πίνακα αναγράφεται η μέση τιμή για συνθήκες που μπορεί να προκύψουν.
La tabla de arriba muestra el valor medio de condiciones que pueden ocurrir.
Le tableau ci-dessus donne la valeur moyenne pour des conditions qui peuvent survenir.
La tabella in alto mostra il valore delle condizioni medie che si possono riscontrare.
De tabel hierboven geeft de gemiddelde waarde aan van situaties die kunnen voorvallen.
Таблица расположенная выше показывает среднее значение условий, которые могут наступить.
Yukarıdaki tablo meydana gelebilecek koşulların ortalama değerini göstermektedir.

5 Capacity tables

5 - 2 Heating Capacity Tables

ERQ200AW1

Heating

TC: Total capacity; kW; PI: Power Input; kW (Comp. + Outdoor fan motor)

Combination % kW (Capacity index)	Outdoor air temp.		Indoor air temp. °CWB											
			16.0		18.0		20.0		21.0		22.0		24.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70% 15.68 kW (140)	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
	-19.8	-20.0	15.8	5.93	15.7	6.07	15.7	6.22	15.7	6.29	15.7	6.36	15.3	6.25
	-18.8	-19.0	16.2	6.01	16.2	6.15	16.2	6.29	16.2	6.36	16.2	6.43	15.3	6.02
	-16.7	-17.0	17.2	6.15	17.2	6.29	17.1	6.42	16.9	6.37	16.4	6.11	15.3	5.61
	-13.7	-15.0	18.2	6.28	18.1	6.41	17.5	6.19	16.9	5.95	16.4	5.71	15.3	5.25
	-11.8	-13.0	19.1	6.40	18.6	6.27	17.5	5.81	16.9	5.59	16.4	5.37	15.3	4.93
	-9.8	-11.0	19.7	6.34	18.6	5.90	17.5	5.47	16.9	5.27	16.4	5.06	15.3	4.66
	-9.5	-10.0	19.7	6.15	18.6	5.73	17.5	5.32	16.9	5.12	16.4	4.92	15.3	4.53
	-8.5	-9.1	19.7	6.00	18.6	5.59	17.5	5.19	16.9	4.99	16.4	4.80	15.3	4.42
	-7.0	-7.6	19.7	5.75	18.6	5.36	17.5	4.99	16.9	4.80	16.4	4.62	15.3	4.26
	-5.0	-5.6	19.7	5.46	18.6	5.09	17.5	4.74	16.9	4.56	16.4	4.39	15.3	4.05
	-3.0	-3.7	19.7	5.21	18.6	4.86	17.5	4.53	16.9	4.36	16.4	4.20	15.3	3.88
	0.0	-0.7	19.7	4.86	18.6	4.54	17.5	4.23	16.9	4.08	16.4	3.93	15.3	3.63
	3.0	2.2	19.7	4.56	18.6	4.27	17.5	3.98	16.9	3.84	16.4	3.70	15.3	3.43
	5.0	4.1	19.7	4.39	18.6	4.11	17.5	3.83	16.9	3.70	16.4	3.57	15.3	3.30
	7.0	6.0	19.7	4.23	18.6	3.96	17.5	3.70	16.9	3.57	16.4	3.44	15.3	3.19
	9.0	7.9	19.7	4.08	18.6	3.82	17.5	3.57	16.9	3.45	16.4	3.33	15.3	3.09
	11.0	9.8	19.7	3.94	18.6	3.70	17.5	3.46	16.9	3.34	16.4	3.22	15.3	2.99
	13.0	11.8	19.7	3.81	18.6	3.57	17.5	3.34	16.9	3.23	16.4	3.12	15.3	2.90
	15.0	13.7	19.7	3.69	18.6	3.47	17.5	3.24	16.9	3.13	16.4	3.03	15.3	2.81
60% 13.44 kW (120)	-19.8	-20.0	15.7	6.29	15.7	6.41	15.0	6.12	14.5	5.88	14.0	5.65	13.1	5.19
	-18.8	-19.0	16.2	6.36	16.0	6.36	15.0	5.90	14.5	5.67	14.0	5.45	13.1	5.01
	-16.7	-17.0	16.9	6.36	16.0	5.92	15.0	5.50	14.5	5.29	14.0	5.08	13.1	4.68
	-13.7	-15.0	16.9	5.95	16.0	5.54	15.0	5.15	14.5	4.95	14.0	4.76	13.1	4.39
	-11.8	-13.0	16.9	5.58	16.0	5.21	15.0	4.84	14.5	4.66	14.0	4.48	13.1	4.14
	-9.8	-11.0	16.9	5.26	16.0	4.91	15.0	4.57	14.5	4.40	14.0	4.24	13.1	3.91
	-9.5	-10.0	16.9	5.12	16.0	4.78	15.0	4.45	14.5	4.28	14.0	4.13	13.1	3.81
	-8.5	-9.1	16.9	4.99	16.0	4.66	15.0	4.34	14.5	4.18	14.0	4.03	13.1	3.72
	-7.0	-7.6	16.9	4.80	16.0	4.48	15.0	4.18	14.5	4.03	14.0	3.88	13.1	3.59
	-5.0	-5.6	16.9	4.56	16.0	4.27	15.0	3.98	14.5	3.84	14.0	3.70	13.1	3.42
	-3.0	-3.7	16.9	4.36	16.0	4.08	15.0	3.81	14.5	3.67	14.0	3.54	13.1	3.28
	0.0	-0.7	16.9	4.08	16.0	3.82	15.0	3.57	14.5	3.44	14.0	3.32	13.1	3.08
	3.0	2.2	16.9	3.84	16.0	3.60	15.0	3.37	14.5	3.25	14.0	3.14	13.1	2.92
	5.0	4.1	16.9	3.70	16.0	3.47	15.0	3.25	14.5	3.14	14.0	3.03	13.1	2.82
	7.0	6.0	16.9	3.57	16.0	3.35	15.0	3.14	14.5	3.03	14.0	2.93	13.1	2.72
	9.0	7.9	16.9	3.45	16.0	3.24	15.0	3.04	14.5	2.93	14.0	2.84	13.1	2.64
	11.0	9.8	16.9	3.34	16.0	3.14	15.0	2.94	14.5	2.84	14.0	2.75	13.1	2.56
	13.0	11.8	16.9	3.23	16.0	3.04	15.0	2.85	14.5	2.76	14.0	2.66	13.1	2.48
	15.0	13.7	16.9	3.13	16.0	2.95	15.0	2.77	14.5	2.68	14.0	2.59	13.1	2.41
50% 11.20 kW (100)	-19.8	-20.0	14.1	5.68	13.3	5.30	12.5	4.93	12.1	4.74	11.7	4.56	10.9	4.21
	-18.8	-19.0	14.1	5.48	13.3	5.11	12.5	4.75	12.1	4.58	11.7	4.40	10.9	4.06
	-16.7	-17.0	14.1	5.11	13.3	4.77	12.5	4.44	12.1	4.28	11.7	4.12	10.9	3.81
	-13.7	-15.0	14.1	4.79	13.3	4.48	12.5	4.17	12.1	4.02	11.7	3.87	10.9	3.58
	-11.8	-13.0	14.1	4.51	13.3	4.22	12.5	3.94	12.1	3.80	11.7	3.66	10.9	3.39
	-9.8	-11.0	14.1	4.26	13.3	3.99	12.5	3.73	12.1	3.60	11.7	3.47	10.9	3.21
	-9.5	-10.0	14.1	4.15	13.3	3.89	12.5	3.63	12.1	3.50	11.7	3.38	10.9	3.13
	-8.5	-9.1	14.1	4.05	13.3	3.80	12.5	3.55	12.1	3.43	11.7	3.30	10.9	3.07
	-7.0	-7.6	14.1	3.90	13.3	3.66	12.5	3.42	12.1	3.30	11.7	3.19	10.9	2.96
	-5.0	-5.6	14.1	3.72	13.3	3.49	12.5	3.26	12.1	3.15	11.7	3.05	10.9	2.83
	-3.0	-3.7	14.1	3.56	13.3	3.34	12.5	3.13	12.1	3.03	11.7	2.92	10.9	2.72
	0.0	-0.7	14.1	3.34	13.3	3.14	12.5	2.94	12.1	2.85	11.7	2.75	10.9	2.56
	3.0	2.2	14.1	3.15	13.3	2.97	12.5	2.79	12.1	2.70	11.7	2.61	10.9	2.43
	5.0	4.1	14.1	3.05	13.3	2.87	12.5	2.69	12.1	2.61	11.7	2.52	10.9	2.35
	7.0	6.0	14.1	2.94	13.3	2.77	12.5	2.61	12.1	2.52	11.7	2.44	10.9	2.28
	9.0	7.9	14.1	2.85	13.3	2.69	12.5	2.52	12.1	2.45	11.7	2.37	10.9	2.21
	11.0	9.8	14.1	2.76	13.3	2.61	12.5	2.45	12.1	2.37	11.7	2.30	10.9	2.15
	13.0	11.8	14.1	2.68	13.3	2.53	12.5	2.38	12.1	2.30	11.7	2.23	10.9	2.09
	15.0	13.7	14.1	2.60	13.3	2.46	12.5	2.31	12.1	2.24	11.7	2.17	10.9	2.03

4TW32032-2

5 Capacity tables

5 - 2 Heating Capacity Tables

ERQ250AW1

Heating

TC: Total capacity; kW; PI: Power Input; kW (Comp. + Outdoor fan motor)

Combination % kW (Capacity index)	Outdoor air temp.		Indoor air temp. °CWB											
			16.0		18.0		20.0		21.0		22.0		24.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70% 19.60 kW (175)	°CDB	°CWB	-19.8	-20.0	19.8	8.56	19.7	8.76	19.7	8.97	19.7	9.07	19.7	9.18
	-18.8	-19.0	20.1	8.63	20.1	8.83	20.0	9.03	20.0	9.13	20.0	9.24	19.2	8.89
	-16.7	-17.0	20.9	8.77	20.9	8.97	20.8	9.16	20.8	9.26	20.6	9.25	19.2	8.48
	-13.7	-15.0	21.8	8.92	21.7	9.11	21.7	9.30	21.3	9.16	20.6	8.79	19.2	8.06
	-11.8	-13.0	22.7	9.07	22.7	9.25	22.1	9.03	21.3	8.68	20.6	8.33	19.2	7.64
	-9.8	-11.0	23.8	9.22	23.5	9.21	22.1	8.53	21.3	8.20	20.6	7.87	19.2	7.23
	-9.5	-10.0	24.4	9.30	23.5	8.94	22.1	8.28	21.3	7.96	20.6	7.65	19.2	7.03
	-8.5	-9.1	24.9	9.35	23.5	8.70	22.1	8.06	21.3	7.75	20.6	7.45	19.2	6.85
	-7.0	-7.6	24.9	8.93	23.5	8.31	22.1	7.71	21.3	7.42	20.6	7.13	19.2	6.56
	-5.0	-5.6	24.9	8.39	23.5	7.82	22.1	7.26	21.3	6.98	20.6	6.71	19.2	6.19
	-3.0	-3.7	24.9	7.90	23.5	7.37	22.1	6.85	21.3	6.59	20.6	6.34	19.2	5.85
	0.0	-0.7	24.9	7.19	23.5	6.72	22.1	6.25	21.3	6.02	20.6	5.80	19.2	5.36
	3.0	2.2	24.9	6.57	23.5	6.15	22.1	5.73	21.3	5.52	20.6	5.32	19.2	4.92
	5.0	4.1	24.9	6.20	23.5	5.80	22.1	5.42	21.3	5.22	20.6	5.03	19.2	4.66
	7.0	6.0	24.9	5.86	23.5	5.49	22.1	5.12	21.3	4.94	20.6	4.77	19.2	4.42
	9.0	7.9	24.9	5.54	23.5	5.19	22.1	4.85	21.3	4.68	20.6	4.52	19.2	4.19
	11.0	9.8	24.9	5.24	23.5	4.91	22.1	4.60	21.3	4.44	20.6	4.29	19.2	3.98
	13.0	11.8	24.9	4.95	23.5	4.65	22.1	4.35	21.3	4.21	20.6	4.06	19.2	3.78
	15.0	13.7	24.9	4.69	23.5	4.41	22.1	4.13	21.3	4.00	20.6	3.86	19.2	3.60
60% 16.80 kW (150)	-19.8	-20.0	19.7	9.08	19.6	9.25	18.9	8.90	18.3	8.55	17.7	8.21	16.5	7.53
	-18.8	-19.0	20.0	9.14	20.0	9.31	18.9	8.71	18.3	8.37	17.7	8.03	16.5	7.37
	-16.7	-17.0	20.8	9.26	20.1	8.97	18.9	8.31	18.3	7.99	17.7	7.67	16.5	7.05
	-13.7	-15.0	21.3	9.16	20.1	8.82	18.9	7.90	18.3	7.60	17.7	7.30	16.5	6.71
	-11.8	-13.0	21.3	8.67	20.1	8.07	18.9	7.49	18.3	7.21	17.7	6.93	16.5	6.38
	-9.8	-11.0	21.3	8.19	20.1	7.63	18.9	7.09	18.3	6.82	17.7	6.56	16.5	6.05
	-9.5	-10.0	21.3	7.96	20.1	7.42	18.9	6.89	18.3	6.64	17.7	6.38	16.5	5.88
	-8.5	-9.1	21.3	7.75	20.1	7.23	18.9	6.72	18.3	6.47	17.7	6.22	16.5	5.74
	-7.0	-7.6	21.3	7.41	20.1	6.92	18.9	6.43	18.3	6.20	17.7	5.96	16.5	5.51
	-5.0	-5.6	21.3	6.98	20.1	6.52	18.9	6.07	18.3	5.85	17.7	5.63	16.5	5.21
	-3.0	-3.7	21.3	6.59	20.1	6.16	18.9	5.74	18.3	5.54	17.7	5.33	16.5	4.93
	0.0	-0.7	21.3	6.02	20.1	5.64	18.9	5.26	18.3	5.08	17.7	4.89	16.5	4.53
	3.0	2.2	21.3	5.52	20.1	5.18	18.9	4.84	18.3	4.67	17.7	4.51	16.5	4.18
	5.0	4.1	21.3	5.22	20.1	4.90	18.9	4.58	18.3	4.43	17.7	4.27	16.5	3.97
	7.0	6.0	21.3	4.94	20.1	4.64	18.9	4.34	18.3	4.20	17.7	4.06	16.5	3.77
	9.0	7.9	21.3	4.68	20.1	4.40	18.9	4.12	18.3	3.99	17.7	3.85	16.5	3.59
	11.0	9.8	21.3	4.44	20.1	4.18	18.9	3.92	18.3	3.79	17.7	3.66	16.5	3.42
	13.0	11.8	21.3	4.20	20.1	3.96	18.9	3.72	18.3	3.60	17.7	3.48	16.5	3.25
	15.0	13.7	21.3	4.00	20.1	3.76	18.9	3.54	18.3	3.43	17.7	3.32	16.5	3.10
50% 14.00 kW (125)	-19.8	-20.0	17.8	8.26	16.8	7.69	15.8	7.14	15.2	6.88	14.7	6.61	13.7	6.09
	-18.8	-19.0	17.8	8.08	16.8	7.53	15.8	7.00	15.2	6.73	14.7	6.47	13.7	5.97
	-16.7	-17.0	17.8	7.71	16.8	7.19	15.8	6.69	15.2	6.44	14.7	6.20	13.7	5.72
	-13.7	-15.0	17.8	7.34	16.8	6.85	15.8	6.37	15.2	6.14	14.7	5.91	13.7	5.46
	-11.8	-13.0	17.8	6.97	16.8	6.51	15.8	6.06	15.2	5.84	14.7	5.62	13.7	5.20
	-9.8	-11.0	17.8	6.60	16.8	6.17	15.8	5.75	15.2	5.54	14.7	5.34	13.7	4.94
	-9.5	-10.0	17.8	6.42	16.8	6.00	15.8	5.60	15.2	5.40	14.7	5.20	13.7	4.81
	-8.5	-9.1	17.8	6.26	16.8	5.86	15.8	5.46	15.2	5.27	14.7	5.08	13.7	4.70
	-7.0	-7.6	17.8	6.00	16.8	5.62	15.8	5.24	15.2	5.06	14.7	4.88	13.7	4.52
	-5.0	-5.6	17.8	5.66	16.8	5.31	15.8	4.96	15.2	4.79	14.7	4.62	13.7	4.28
	-3.0	-3.7	17.8	5.36	16.8	5.03	15.8	4.70	15.2	4.54	14.7	4.38	13.7	4.07
	0.0	-0.7	17.8	4.92	16.8	4.62	15.8	4.33	15.2	4.18	14.7	4.04	13.7	3.76
	3.0	2.2	17.8	4.53	16.8	4.26	15.8	3.99	15.2	3.86	14.7	3.73	13.7	3.48
	5.0	4.1	17.8	4.30	16.8	4.04	15.8	3.79	15.2	3.67	14.7	3.55	13.7	3.31
	7.0	6.0	17.8	4.08	16.8	3.84	15.8	3.61	15.2	3.49	14.7	3.38	13.7	3.16
	9.0	7.9	17.8	3.87	16.8	3.65	15.8	3.43	15.2	3.33	14.7	3.22	13.7	3.01
	11.0	9.8	17.8	3.68	16.8	3.47	15.8	3.27	15.2	3.17	14.7	3.07	13.7	2.87
	13.0	11.8	17.8	3.50	16.8	3.30	15.8	3.11	15.2	3.02	14.7	2.92	13.7	2.74
	15.0	13.7	17.8	3.33	16.8	3.15	15.8	2.97	15.2	2.88	14.7	2.79	13.7	2.62

4TW32032-2

NOTES - ANMERKUNGEN - Σημειώσεις - NOTAS - REMARQUES - NOTE - OPMERKINGEN - примечания - NOTLAR

- is shown as reference
When selecting the unit models, avoid the outdoor air temperature range shown by ■
■ dient als Verweis.
Vermeiden Sie bei der Auswahl der Gerätemodelle den als ■ markierten Temperaturbereich der Außenluft.
■ εμφανίζεται σαν τιμή αναφοράς.
Κατά την επιλογή μοντέλων μονάδων, αποφύγετε την περιοχή θερμοκρασίας εξωτερικού αέρα που εμφανίζεται στο. ■
■ se muestra a modo de referencia.
Cuando seleccione los modelos de unidad, evite el intervalo de temperaturas del aire exterior indicado mediante ■
■ est indiqué à titre de référence.
Lors de la sélection des modèles d'unité, évitez la plage de température d'air extérieur repérée par ■
■ viene mostrato come riferimento.
Nel selezionare i modelli delle unità, non considerare i valori di temperatura dell'aria esterna indicati con il colore ■
■ wordt ter referentie opgegeven
Bij selectie van de modellen dient u het gemarkeerde ■ bereik voor de buitenluchttemperatuur te vermijden.
■ приведено для справки
При выборе моделей блоков избегайте диапазон температура наружного воздуха, показанный в ■
- referans olarak görülmektedir.
Ünite modellerini seçerken, görülen dış hava sıcaklığı aralığından kaçının ■
The above table shows the average value of conditions which may occur.
Die obige Tabelle zeigt den Durchschnittswert der Bedingungen, die auftreten können.
Στον παραπάνω πίνακα αναγράφεται η μέση τιμή για συνθήκες που μπορεί να προκύψουν.
La tabla de arriba muestra el valor medio de condiciones que pueden ocurrir.
Le tableau ci-dessus donne la valeur moyenne pour des conditions qui peuvent survenir.
La tabella in alto mostra il valore delle condizioni medie che si possono riscontrare.
De tabel hierboven geeft de gemiddelde waarde aan van situaties die kunnen voorvallen.
Таблица расположенная выше показывает среднее значение условий, которые могут наступить.
Yukarıdaki tablo meydana gelebilecek koşulların ortalama değerini göstermektedir.

5 Capacity tables
5 - 2 Heating Capacity Tables

ERQ250AW1

Heating

TC: Total capacity; kW; PI: Power Input; kW (Comp. + Outdoor fan motor)

Combination % kW (Capacity index)	Outdoor air temp.		Indoor air temp. °CWB											
	°CDB	°CWB	16.0		18.0		20.0		21.0		22.0		24.0	
			TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
100% 28.00 kW (250)	19.8	-20.0	20.1	7.00	20.0	7.29	20.0	7.59	19.9	7.74	19.9	7.88	19.8	8.18
	18.8	-19.0	20.4	7.09	20.4	7.38	20.3	7.67	20.3	7.82	20.2	7.97	20.2	8.26
	16.7	-17.0	21.2	7.29	21.1	7.57	21.1	7.85	21.0	7.99	21.0	8.13	21.0	8.41
	-13.7	-15.0	22.1	7.50	22.0	7.77	21.9	8.04	21.9	8.18	21.9	8.31	21.8	8.58
	-11.8	-13.0	23.0	7.72	23.0	7.97	22.9	8.23	22.9	8.36	22.9	8.49	22.8	8.75
	-9.8	-11.0	24.1	7.93	24.0	8.18	24.0	8.42	24.0	8.55	23.9	8.67	23.9	8.91
	-9.5	-10.0	24.7	8.04	24.6	8.28	24.6	8.52	24.5	8.64	24.5	8.76	24.4	9.00
	-8.5	-9.1	25.2	8.13	25.1	8.37	25.1	8.60	25.1	8.72	25.0	8.84	25.0	9.07
	-7.0	-7.6	26.1	8.29	26.1	8.52	26.0	8.74	26.0	8.86	26.0	8.97	25.9	9.20
	-5.0	-5.6	27.5	8.50	27.4	8.71	27.4	8.93	27.3	9.03	27.3	9.14	27.2	9.36
	-3.0	-3.7	28.8	8.69	28.8	8.89	28.7	9.10	28.7	9.20	28.7	9.30	27.5	8.91
	0.0	-0.7	31.1	8.97	31.1	9.16	31.0	9.35	30.5	9.20	29.5	8.82	27.5	8.09
	3.0	2.2	33.6	9.23	33.5	9.40	31.5	8.70	30.5	8.36	29.5	8.03	27.5	7.37
	5.0	4.1	35.3	9.40	33.5	8.83	31.5	8.18	30.5	7.87	29.5	7.56	27.5	6.95
	7.0	6.0	35.5	8.92	33.5	8.30	31.5	7.70	30.5	7.41	29.5	7.12	27.5	6.55
	9.0	7.9	35.5	8.38	33.5	7.81	31.5	7.25	30.5	6.98	29.5	6.71	27.5	6.18
	11.0	9.8	35.5	7.89	33.5	7.36	31.5	6.84	30.5	6.58	29.5	6.33	27.5	5.84
	13.0	11.8	35.5	7.41	33.5	6.92	31.5	6.44	30.5	6.20	29.5	5.97	27.5	5.51
	15.0	13.7	35.5	6.99	33.5	6.53	31.5	6.08	30.5	5.86	29.5	5.64	27.5	5.22
90% 25.20 kW (225)	19.8	-20.0	20.0	7.52	19.9	7.78	19.9	8.05	19.8	8.18	19.8	8.32	19.8	8.58
	18.8	-19.0	20.3	7.60	20.3	7.87	20.2	8.13	20.2	8.26	20.2	8.39	20.1	8.65
	16.7	-17.0	21.1	7.79	21.0	8.04	21.0	8.29	21.0	8.42	20.9	8.54	20.9	8.79
	-13.7	-15.0	22.0	7.98	21.9	8.22	21.9	8.46	21.8	8.58	21.8	8.70	21.8	8.94
	-11.8	-13.0	22.9	8.17	22.9	8.40	22.8	8.63	22.8	8.75	22.8	8.86	22.7	9.09
	-9.8	-11.0	24.0	8.36	24.0	8.58	23.9	8.80	23.9	8.91	23.9	9.03	23.8	9.25
	-9.5	-10.0	24.6	8.46	24.5	8.68	24.5	8.89	24.4	9.00	24.4	9.11	24.4	9.32
	-8.5	-9.1	25.1	8.55	25.1	8.76	25.0	8.97	25.0	9.07	25.0	9.18	24.7	9.27
	-7.0	-7.6	26.0	8.69	26.0	8.89	25.9	9.10	25.9	9.20	25.9	9.30	24.7	8.85
	-5.0	-5.6	27.4	8.88	27.3	9.07	27.3	9.26	27.2	9.36	26.5	9.07	24.7	8.32
	-3.0	-3.7	28.7	9.05	28.7	9.23	28.4	9.27	27.4	8.90	26.5	8.54	24.7	7.84
	0.0	-0.7	31.1	9.31	30.2	9.08	28.4	8.41	27.4	8.08	26.5	7.76	24.7	7.13
	3.0	2.2	32.0	8.87	30.2	8.26	28.4	7.66	27.4	7.37	26.5	7.08	24.7	6.52
	5.0	4.1	32.0	8.34	30.2	7.77	28.4	7.22	27.4	6.94	26.5	6.68	24.7	6.15
	7.0	6.0	32.0	7.84	30.2	7.32	28.4	6.80	27.4	6.55	26.5	6.30	24.7	5.81
	9.0	7.9	32.0	7.39	30.2	6.89	28.4	6.41	27.4	6.18	26.5	5.95	24.7	5.49
	11.0	9.8	32.0	6.96	30.2	6.50	28.4	6.06	27.4	5.84	26.5	5.62	24.7	5.20
	13.0	11.8	32.0	6.55	30.2	6.13	28.4	5.71	27.4	5.51	26.5	5.31	24.7	4.91
	15.0	13.7	32.0	6.19	30.2	5.79	28.4	5.41	27.4	5.22	26.5	5.03	24.7	4.66
80% 22.40 kW (200)	19.8	-20.0	19.9	8.04	19.8	8.27	19.8	8.51	19.8	8.63	19.7	8.75	19.7	8.98
	18.8	-19.0	20.2	8.11	20.2	8.35	20.1	8.58	20.1	8.70	20.1	8.81	20.0	9.05
	16.7	-17.0	21.0	8.28	20.9	8.50	20.9	8.73	20.9	8.84	20.9	8.95	20.8	9.17
	-13.7	-15.0	21.9	8.45	21.8	8.66	21.8	8.88	21.8	8.98	21.7	9.09	21.7	9.31
	-11.8	-13.0	22.8	8.62	22.8	8.83	22.7	9.03	22.7	9.13	22.7	9.24	22.0	8.99
	-9.8	-11.0	23.9	8.79	23.9	8.99	23.8	9.19	23.8	9.28	23.6	9.26	22.0	8.49
	-9.5	-10.0	24.5	8.88	24.4	9.07	24.4	9.26	24.4	9.36	23.6	8.99	22.0	8.24
	-8.5	-9.1	25.0	8.96	25.0	9.15	24.9	9.33	24.4	9.12	23.6	8.75	22.0	8.02
	-7.0	-7.6	25.9	9.09	25.9	9.27	25.2	9.07	24.4	8.71	23.6	8.36	22.0	7.67
	-5.0	-5.6	27.3	9.25	26.8	9.20	25.2	8.52	24.4	8.19	23.6	7.86	22.0	7.22
	-3.0	-3.7	28.4	9.30	26.8	8.66	25.2	8.02	24.4	7.72	23.6	7.41	22.0	6.82
	0.0	-0.7	28.4	8.44	26.8	7.86	25.2	7.30	24.4	7.03	23.6	6.75	22.0	6.22
	3.0	2.2	28.4	7.69	26.8	7.17	25.2	6.67	24.4	6.42	23.6	6.18	22.0	5.70
	5.0	4.1	28.4	7.24	26.8	6.76	25.2	6.29	24.4	6.06	23.6	5.84	22.0	5.39
	7.0	6.0	28.4	6.82	26.8	6.38	25.2	5.94	24.4	5.73	23.6	5.52	22.0	5.10
	9.0	7.9	28.4	6.44	26.8	6.02	25.2	5.61	24.4	5.41	23.6	5.22	22.0	4.83
	11.0	9.8	28.4	6.08	26.8	5.69	25.2	5.31	24.4	5.12	23.6	4.94	22.0	4.58
	13.0	11.8	28.4	5.73	26.8	5.37	25.2	5.02	24.4	4.84	23.6	4.67	22.0	4.33
	15.0	13.7	28.4	5.42	26.8	5.09	25.2	4.76	24.4	4.59	23.6	4.43	22.0	4.12

4TW32032-2

5 Capacity tables

5 - 3 Integrated Heating Capacity Correction Factor

ERQ-AW1

Integrated heating capacity coefficient

The heating capacity tables do not take account of the reduction in capacity, when frost has accumulated or while the defrosting operation is in progress. The capacity values, which take these factors into account, in other words, the integrated heating capacity values, can be calculated as follows

Formula:

Integrated heating capacity = A

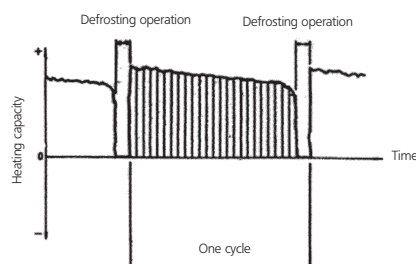
Value given in table of capacity characteristics = B

Integrating correction factor for frost accumulation (kW) = C

$A = B \times C$

Correction factor for finding integrated heating capacity

Inlet port temperature of heat exchanger (°C/RH 85%)	-7	-5	-3	0	3	5	7
Integrating correction factor for frost accumulation	0,96	0,93	0,87	0,81	0,83	0,89	1,0



Note:

1. The figures shows that the integrated heating capacity expresses the integrated capacity for a single cycle (from defrost operation to defrost operation) in terms of time.

Please note that, when there is an accumulation of snow against the outside surface of the outdoor unit heat exchanger, there will always be a temporary reduction in capacity, although this will of course vary in degree in accordance with a number of other factors, such as the outdoor temperature (°CDB), relative humidity (RH) and the amount of frosting which occurs.

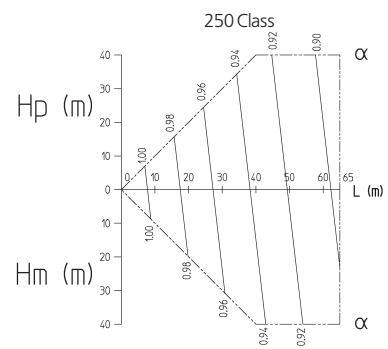
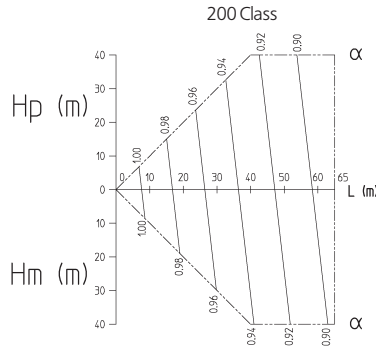
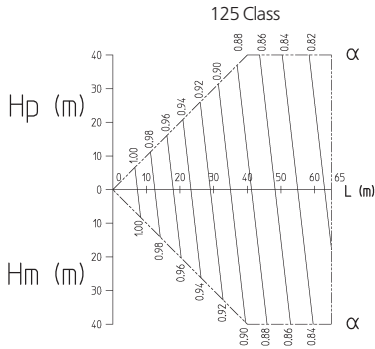
3TW27232-7

5 Capacity tables

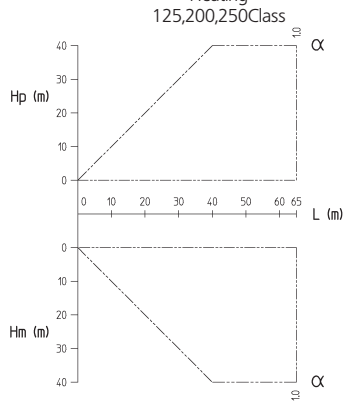
5 - 4 Capacity Correction Factor

ERQ-AW1

Correction factor for piping length (α)
Cooling



Correction factor for piping length (α)
Heating



Explanation of symbols:

Hp: Level difference between air handling unit and outdoor unit when air handling unit is installed below the outdoor unit
Hm: Level difference between air handling unit and outdoor unit when air handling unit is installed above the outdoor unit
L: Equivalent piping length (m)
 α : Capacity correction factor

Diameter of pipes:

Outdoor unit class	Gas	Liquid
125	ϕ 15.9	ϕ 9.5
200	ϕ 19.1	ϕ 9.5
250	ϕ 22.2	ϕ 9.5

Notes:

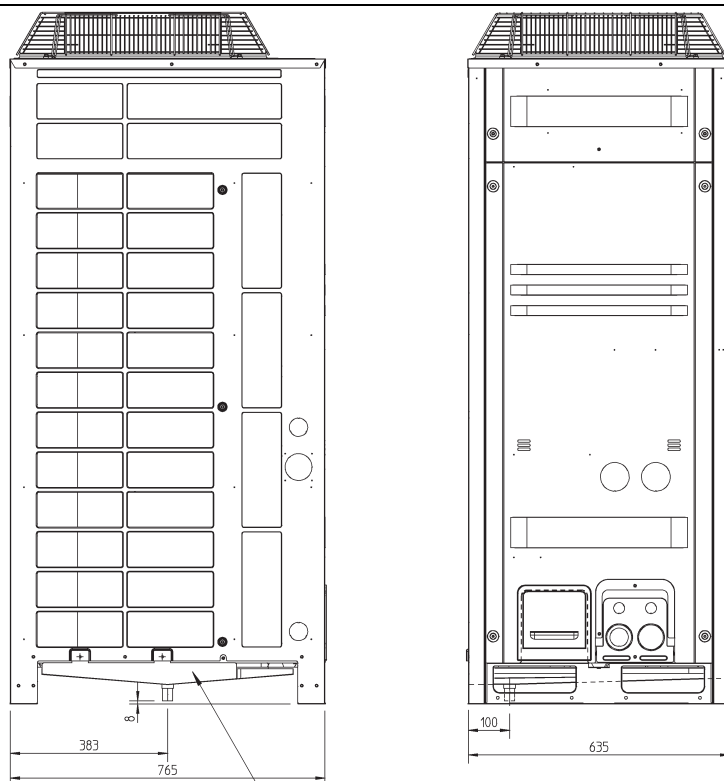
- These figures illustrate the correction factor for piping length of the system at maximum load under standard conditions.
Under partial load conditions there is only minor deviation from the correction factor shown in the figures above.
- Method of calculating cooling capacity (max. capacity)
Cooling capacity = Cooling capacity obtained from the cooling capacity characteristics table X Capacity correction factor
- Method of calculating heating capacity (max. capacity)
Heating capacity = Heating capacity obtained from the heating capacity characteristics table X Capacity correction factor

3TW32032-2

6 Dimensional drawings

6 - 2 Dimensional Drawings with Accessories

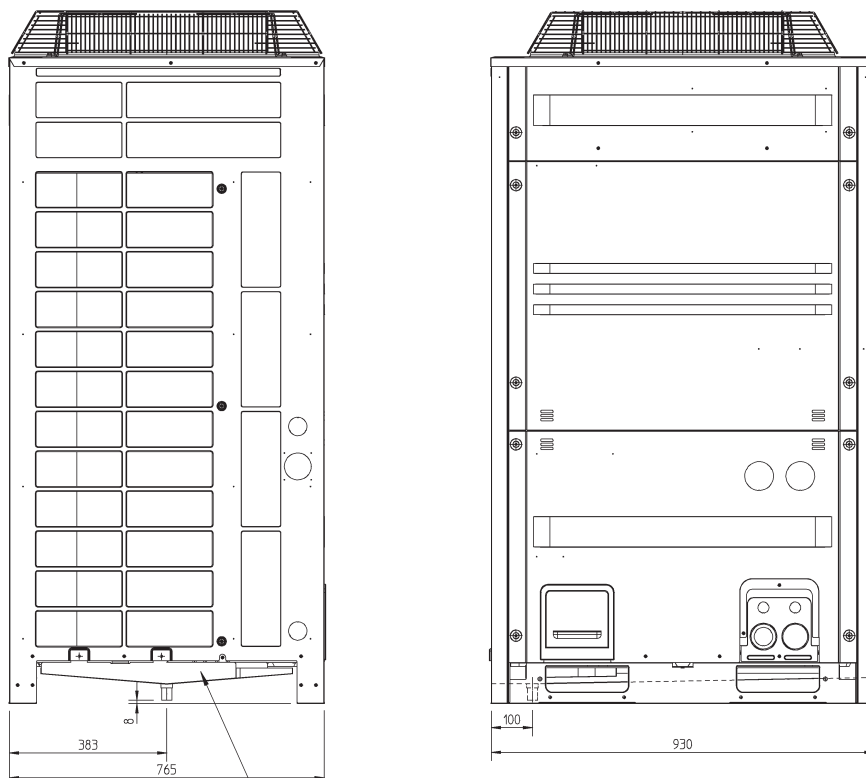
ERQ125AW1



① Central drain pan kit (KWC26B160)

3TW27234-1

ERQ200,250AW1



①

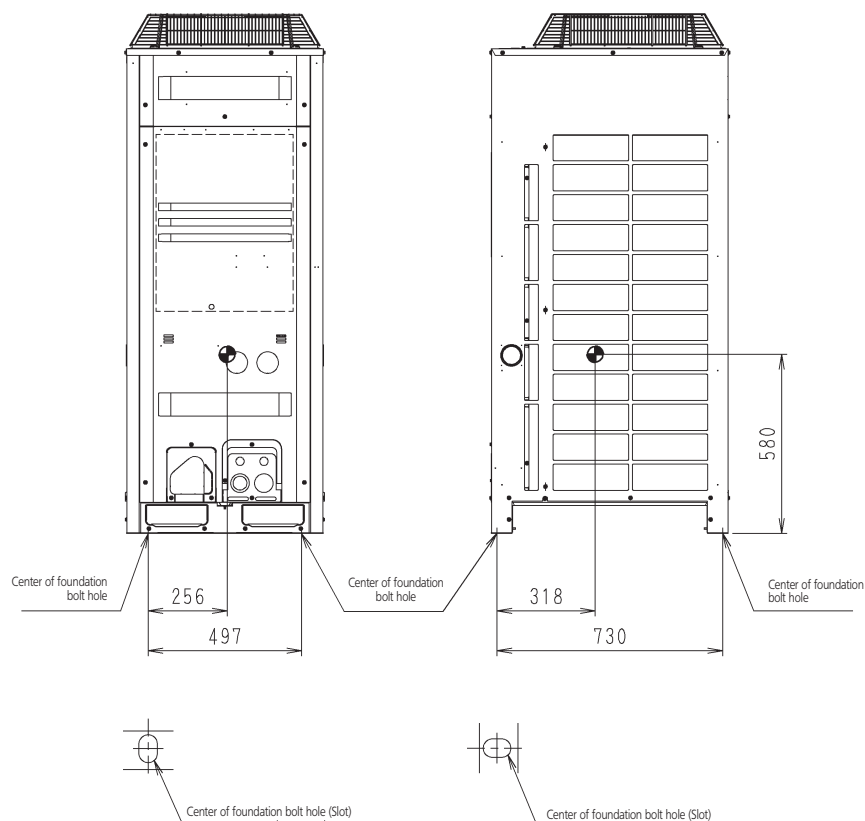
3TW27244-1

7 Centre of gravity

7 - 1 Centre of Gravity

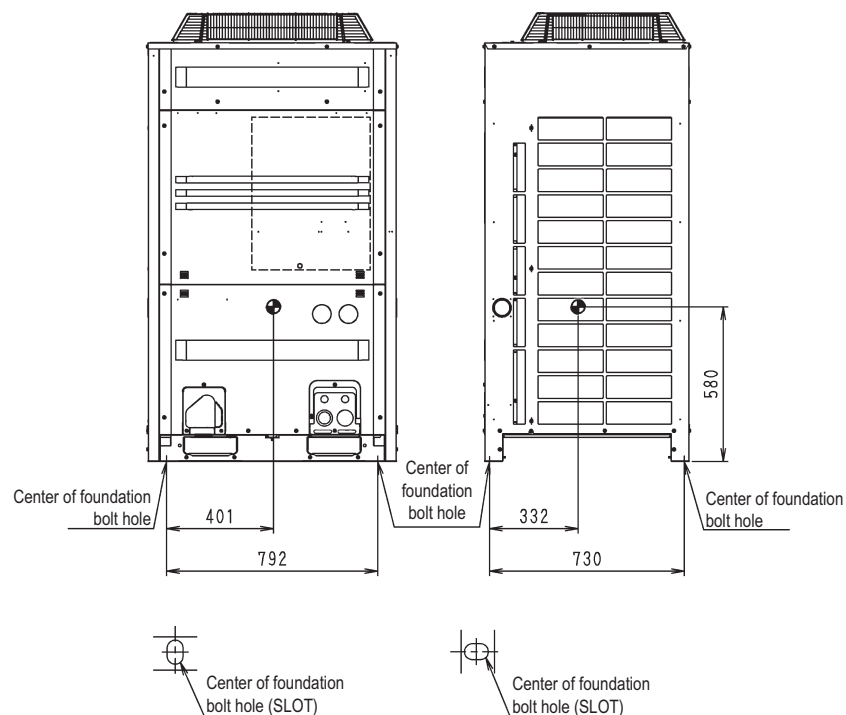
7

ERQ125AW1



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ERQ200AW1

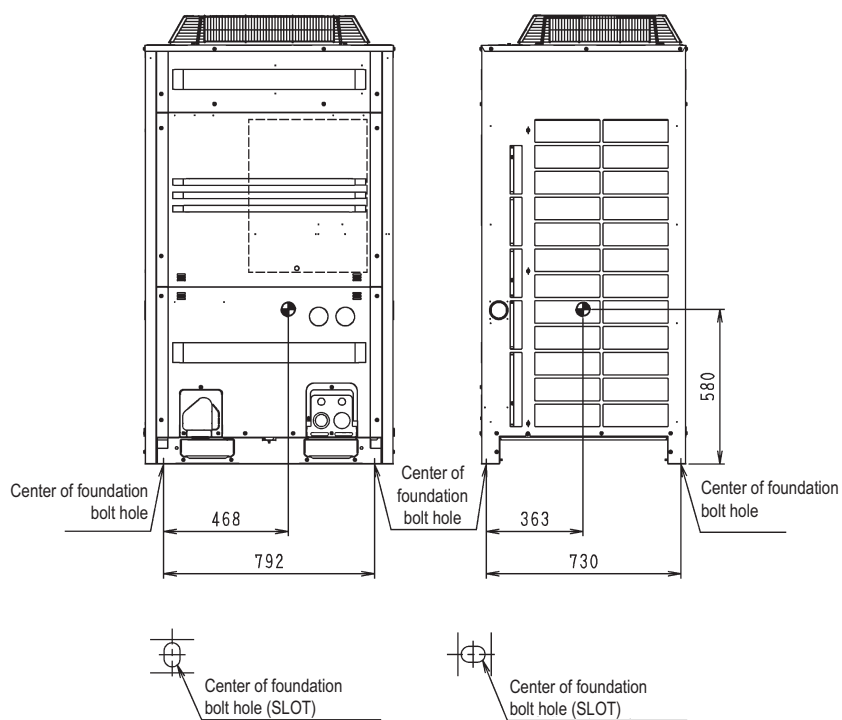


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7 Centre of gravity

7 - 1 Centre of Gravity

ERQ250AW1

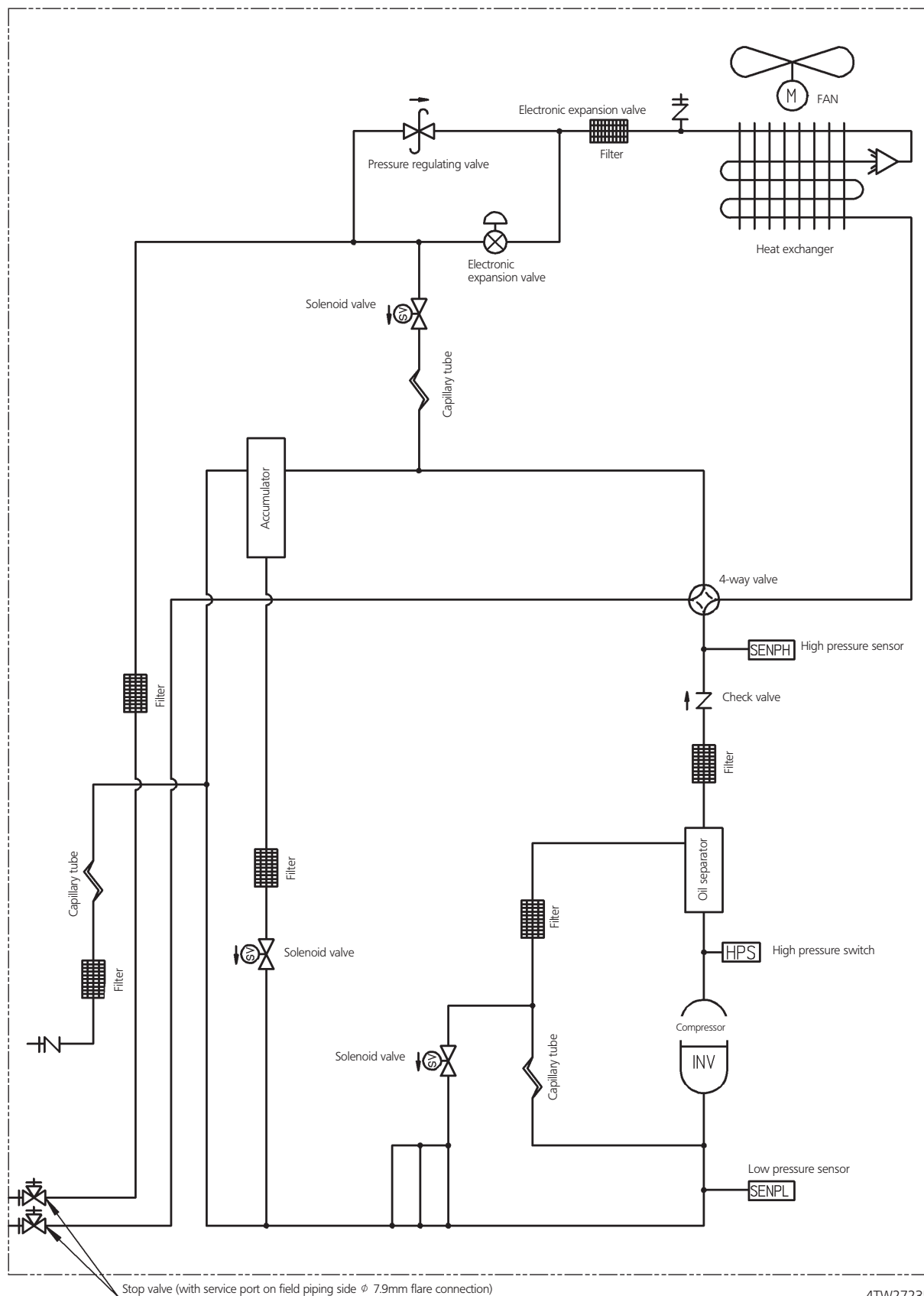


4D052147N

8 Piping diagrams

8 - 1 Piping Diagrams

ERQ125AW1

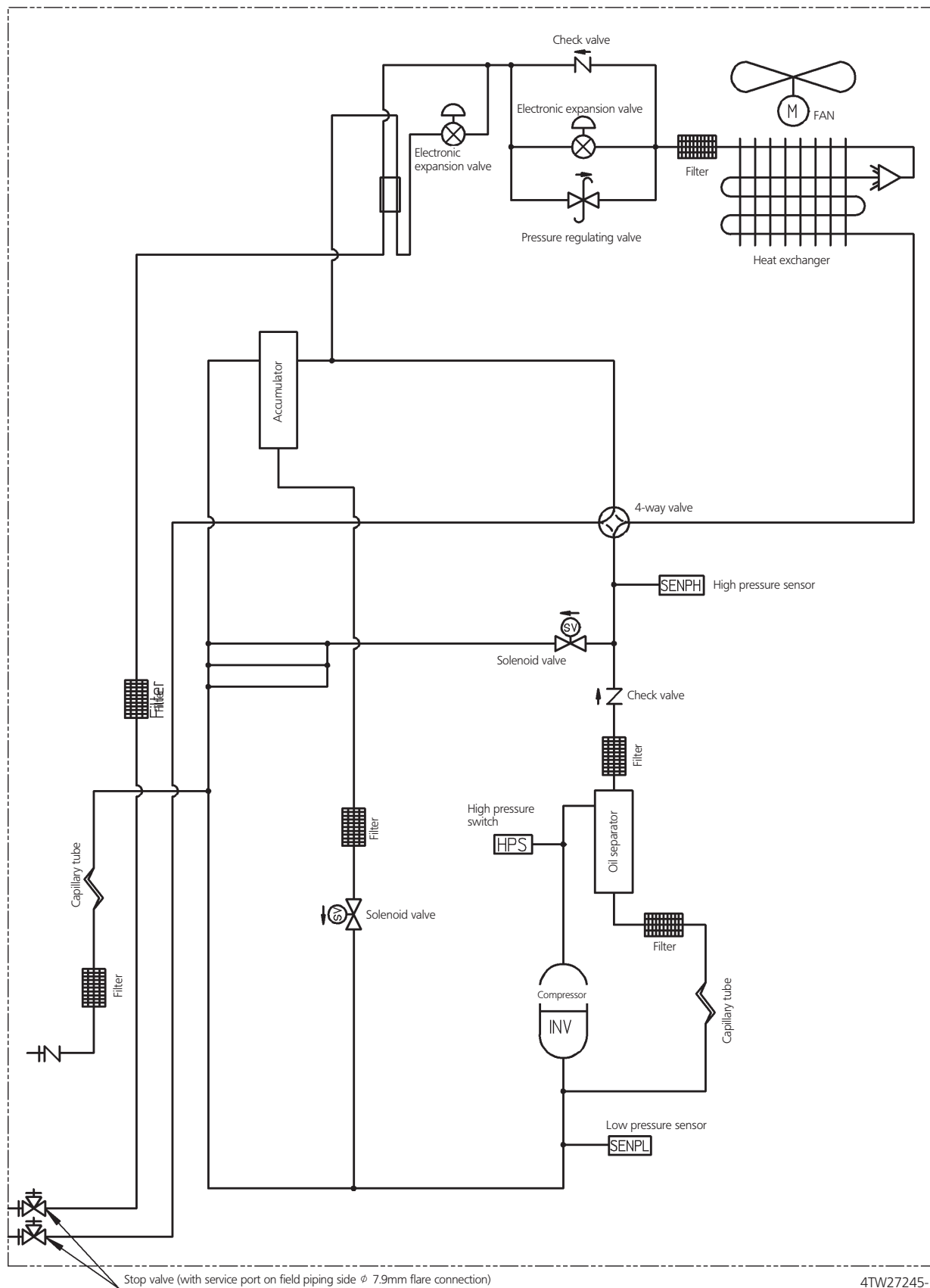


4TW27235-1

8 Piping diagrams

8 - 1 Piping Diagrams

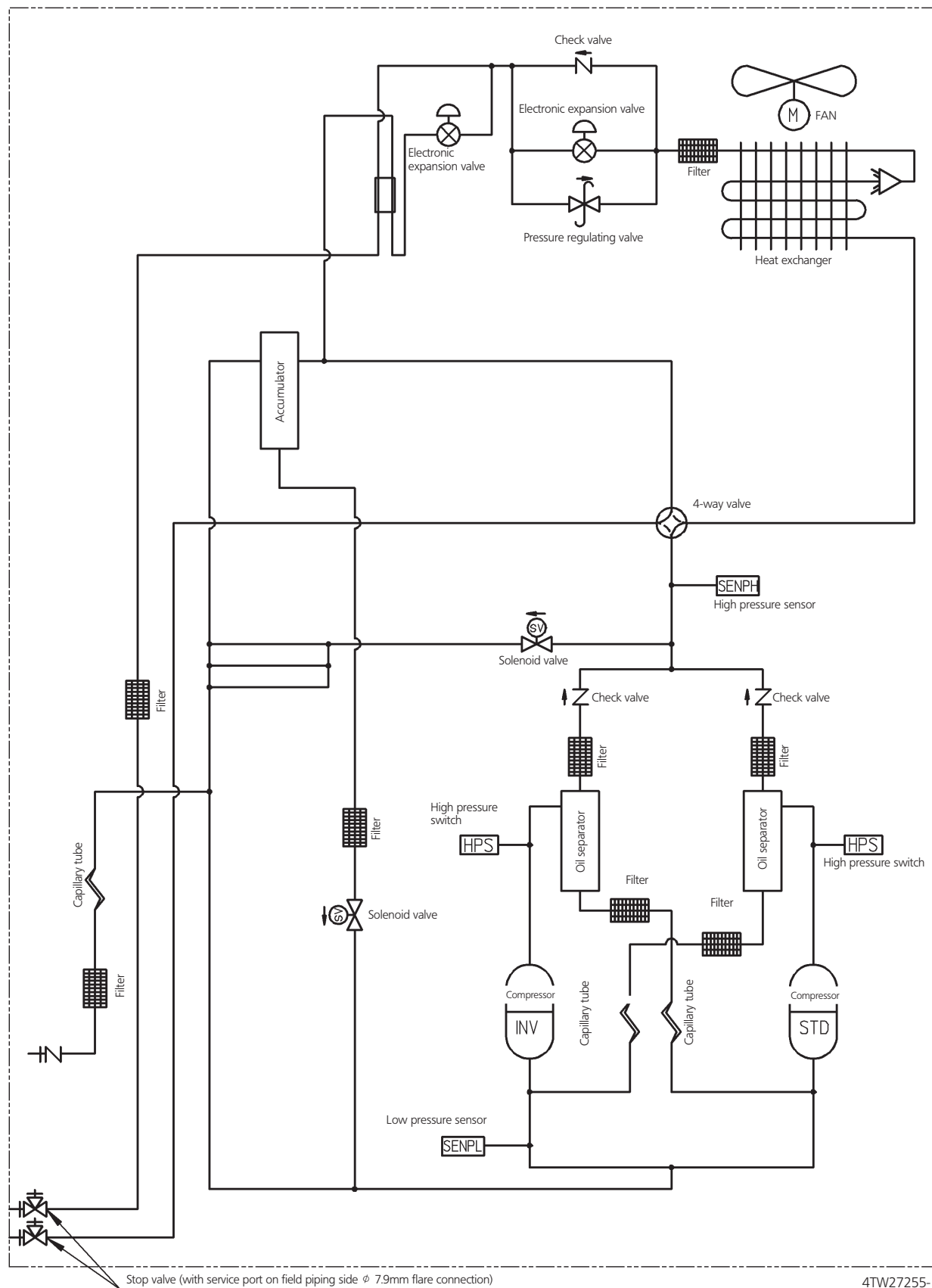
ERQ200AW1



8 Piping diagrams

8 - 1 Piping Diagrams

ERQ250AW1

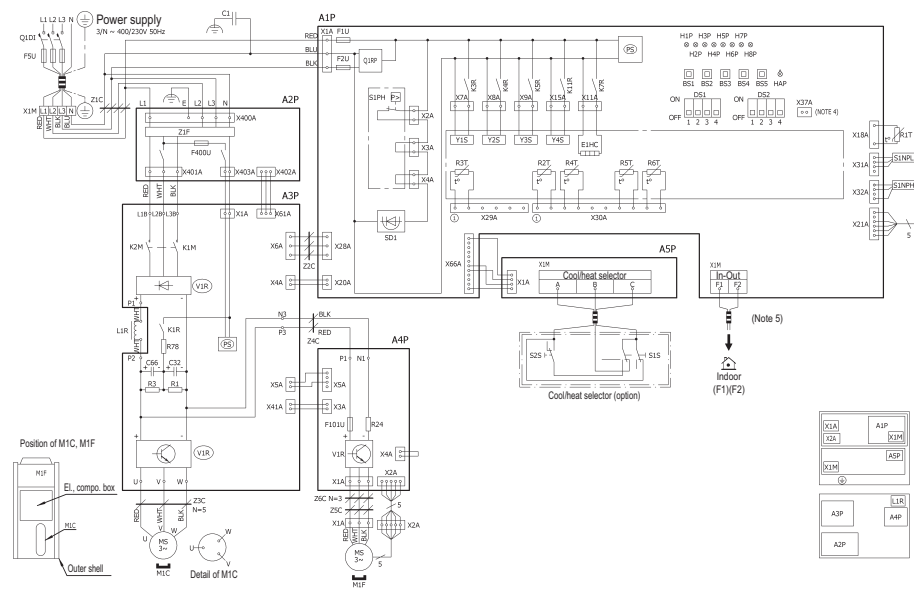


4TW27255-1

9 Wiring diagrams

9 - 1 Wiring Diagrams - Single Phase

ERQ125AW1



NOTES

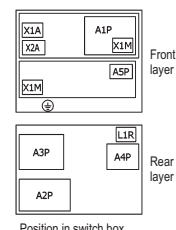
1. This wiring diagram only applies to the outdoor unit.
2.  : field wiring,  : indication of parts outside switchbox
3.  : terminal strip,  : connector,  : terminal,
 : protective earth (screw)
4. When using the option adapter, refer to the installation manual.
5. Refer to the installation manual, for connection wiring to indoor-outdoor transmission F1-F2 and on how to use BS1-BS5 and DS1, DS2 switch.
6. Do not operate the unit by short-circuiting protection device S1PH.
7. BLK: black, RED: red, BLU: blue, WHT: white, PNK: pink, YLW: yellow, BRN: brown, GRY: grey, GRN: green, ORG: orange.

A1P-5P	Printed circuit board	
	A1P: Main	A4P: Fan
	A2P: Noise filter	A5P: ABC I/P
	A3P: Inverter	
BS1-BS5	Push button switch (mode, set, return, test, reset)	
C1	Capacitor	
C32, C66	Capacitor	
DS1, DS2	Dip switch	
E1HC	Crankcase heater	
F101U	Fuse (A4P)	
F1U, F2U	Fuse (250V, 3.15A  (A1P))	

F5U	Field fuse
F400U	Fuse (250V, 6.3A Ⓢ) (A2P)
H1P~H8P	Pilot lamp (service monitor-orange) [H2P] prepare, test -- flickering malfunction detection -- light up
HAP	Pilotlamp (service monitor-green)
K1R	Magnetic relay
K1M,K2M	Magnetic contactor (M1C)
K3R~K11R	K3R: Y1S K4R: Y2S K5R: Y3S K7R: E1HC K11R: Y4S
L1R	Reactor
M1C	Motor (compressor)
M1F	Motor (fan)
PS	Switching power supply (A1P, A3P)
Q1RP	Phase reversal detect circuit
Q1DI	Earth leakage breaker
R24	Resistor (current sensor) (A4P)
R1, R3	Resistor
R78	Resistor (current limiting)
R1T~R6T	Thermistor R1T: air (A1P) R2T: suction R3T: M1C discharge R4T: heat exch. deicer R5T: liquid pipe R6T: accumulator
S1NPH	Pressure sensor (high)
S1NPL	Pressure sensor (low)
S1PH	Pressure switch (high)
SD1	Safety devices input
V1R	Power module (A4P)
V1R	Power module (A3P)
X1A, 2A	Connector (M1F)
X1M	Terminal strip (power supply)
X1M	Terminal strip (control) (A1P)
X1M	Terminal strip (A5P)
Y1E	Electronic expansion valve (main)
Y1S~Y4S	Solenoid valve Y1S: hot gas Y2S: oil return Y3S: 4 way valve Y4S: injection
Z1C~Z6C	Noise filter (Ferrite core)
Z1F	Noise filter (with surge absorber)
Cool/heat selector	
S1S	Selector switch (fan/cool-heat)
S2S	Selector switch (cool-heat)

2TW32036-1A

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NOTES

- 2TW32046-1A

9 - 1 Wiring Diagrams - Single Phase

Front layer

Rear layer

Position in switch box

NOTES

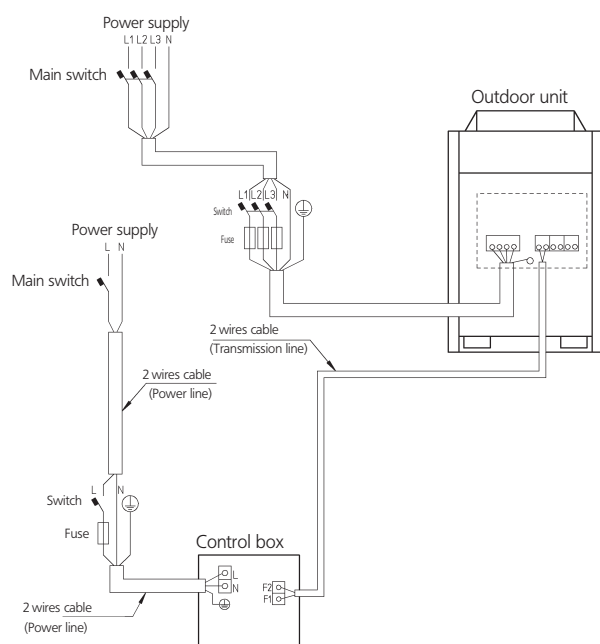
- 2TW32056-1A

10 External connection diagrams

10 - 1 External Connection Diagrams

10

ERQ-AW1

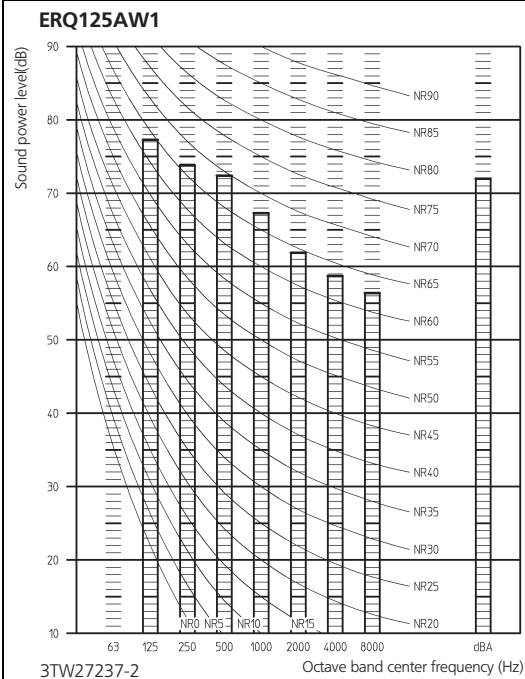


- 1 All wiring, components and materials to be produced on the site must comply with the applicable local and national codes.
- 2 Use copper conductors only.
- 3 For more details, see wiring diagram.
- 4 Install a circuit breaker for safety.
- 5 All field wiring and components must be installed by a licensed electrician.
- 6 All field wiring and components must be provided by a licensed electrician and must comply with the relevant local and national codes.
- 7 Wiring shown are general points-of-connection guides only and are not intended for or to include all details for a specific installation.
- 8 Be sure to install the switch and the fuse to the power line of each equipment.
- 9 Install the main switch that can interrupt all power sources in an integrated manner because this system consists of the equipment utilizing the multiple power sources.
- 10 If there exists the possibility of reversed phase, lose phase, momentary blackout or the power goes on and off while the product is operating, attach a reversed phase protection circuit locally.
- 11 For detailed control box side connection, see control box manual and wiring diagram.

3TW27809-1

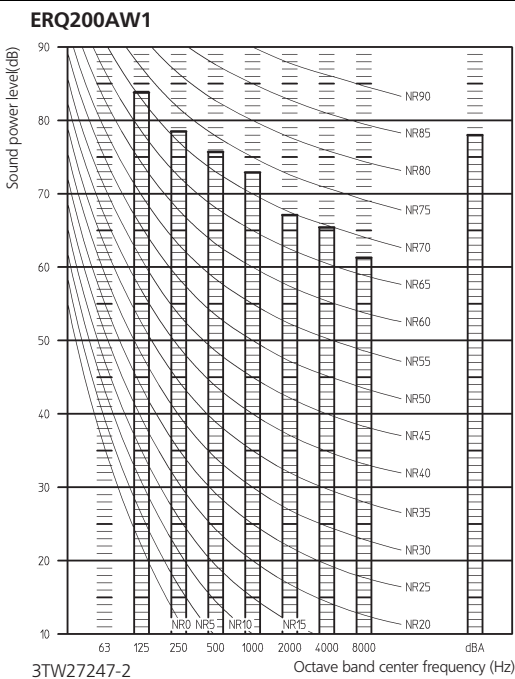
11 Sound data

11 - 1 Sound Power Spectrum



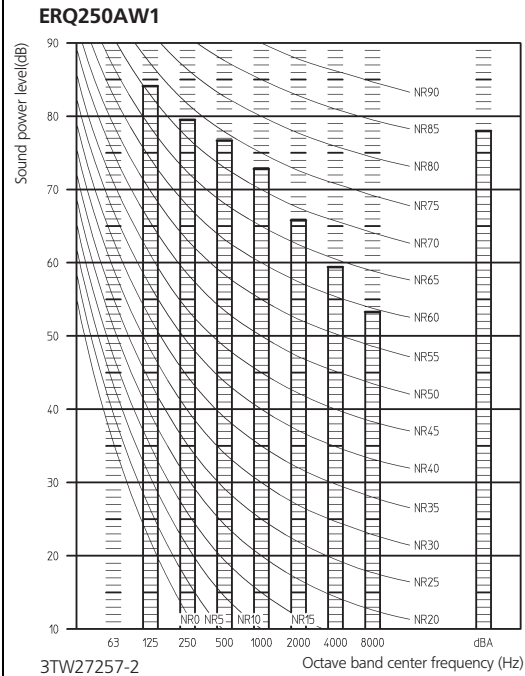
NOTES

- 1 dBA = A-weighted sound power level (A-scale according to IEC)
- 2 Reference acoustic intensity 0dB = 10E-6μW/m²
- 3 Measured according to ISO 3744



NOTES

- 1 dBA = A-weighted sound power level (A-scale according to IEC)
- 2 Reference acoustic intensity 0dB = 10E-6μW/m²
- 3 Measured according to ISO 3744



NOTES

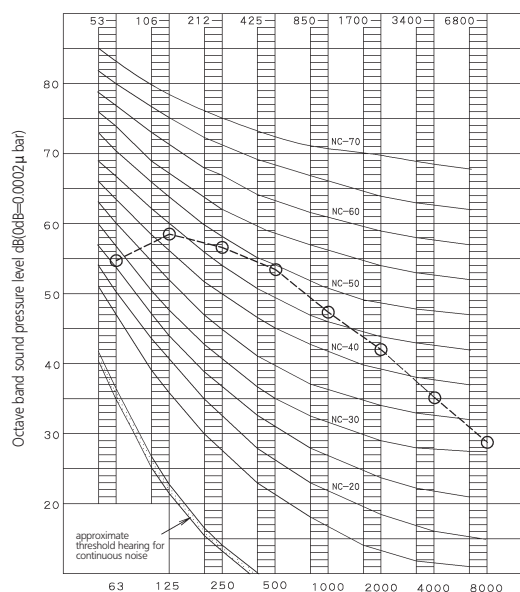
- 1 dBA = A-weighted sound power level (A-scale according to IEC)
- 2 Reference acoustic intensity 0dB = 10E-6μW/m²
- 3 Measured according to ISO 3744

11 Sound data

11 - 2 Sound Pressure Spectrum

11

ERQ125AW1

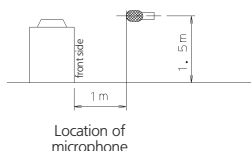


4D052394B

Octave band center frequency (Hz)

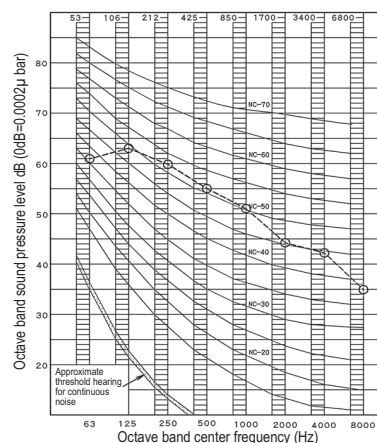
NOTES

- 1 The operating sound is measured in anechoic chamber, if it is measured under the actual installation conditions, it is normally over the set value due to environmental noise and sound reflection.



Location of microphone

ERQ200AW1

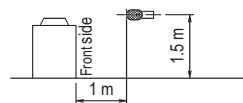


4D052395K

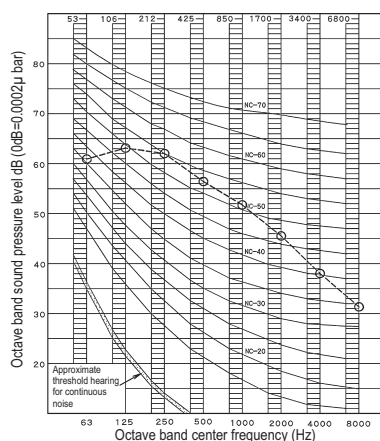
NOTES

- 1 Over All (dB):
(B. G. N is already rectified)
- 2 Operating conditions:
 - Power source Y1: 380-415V 50Hz
 - JIS standard
- 3 Measuring place: anechoic chamber (conversion value)
- 4 The operating sound is measured in anechoic chamber, if it is measured under the actual installation conditions, it is normally over the set value due to environmental noise and sound reflection.
- 5 Location of microphone.

Scale	50Hz
A	57.0
C	66.5



ERQ250AW1

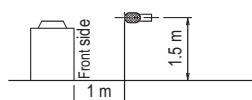


4D052396L

NOTES

- 1 Over All (dB):
(B. G. N is already rectified)
- 2 Operating conditions:
 - Power source Y1: 380-415V 50Hz
 - JIS standard
- 3 Measuring place: anechoic chamber (conversion value)
- 4 The operating sound is measured in anechoic chamber, if it is measured under the actual installation conditions, it is normally over the set value due to environmental noise and sound reflection.
- 5 Location of microphone.

Scale	50Hz
A	58.0
C	67.0

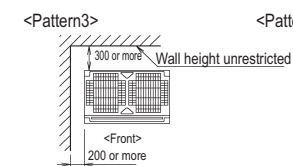
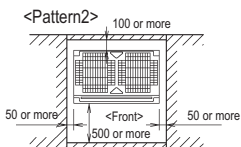
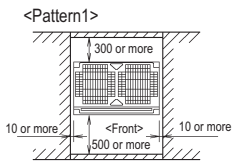


12 Installation

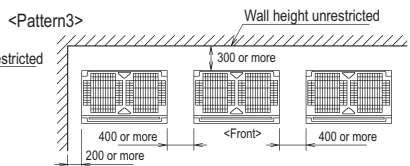
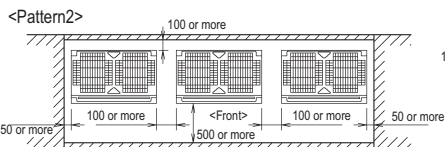
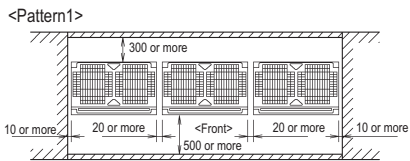
12 - 1 Installation Method

ERQ-AW1B

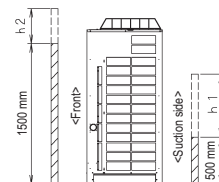
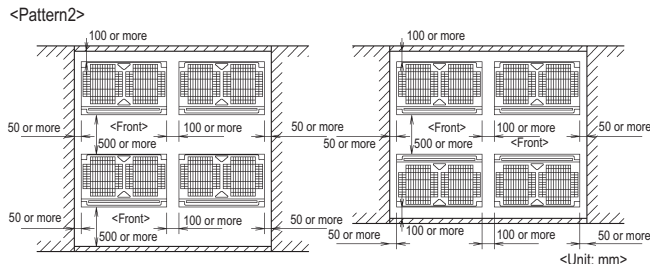
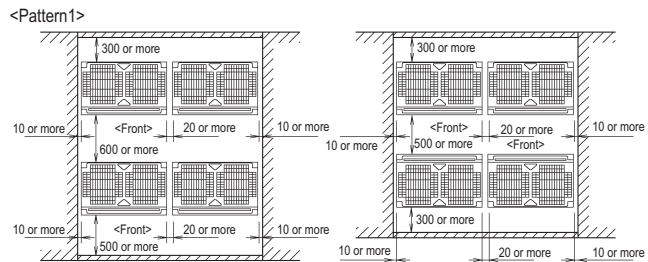
For single unit installation



For installation in rows



For centralized group layout



<Unit: mm>

NOTES

- Heights of walls in case of Patterns 1 and 2:
Front: 1500mm
Suction side: 500mm
Side: Height unrestricted.
Installation space to be shown in this drawing is based on the cooling operation at 35 degrees outdoor air temperature.
When the design outdoor air temperature exceeds 35 degrees or the load exceeds maximum ability because of much generation load of heat in all outdoor unit, take the suction side space more broadly than the space to be shown in this drawing.
- If the above wall heights are exceeded then h2/2 and h1/2 should be added to the front and suction side service spaces respectively as shown in the figure on the right.
- When installing the units most appropriate pattern should be selected from those shown above in order to obtain the best fit in the space available always bearing in mind the need to leave enough space for a person to pass between units and wall and for the air to circulate freely. (If more units are to be installed than are catered for in the above patterns your layout should take account of the possibility of short circuits.)
- The units should be installed to leave sufficient space at the front for the on site refrigerant piping work to be carried out comfortably.

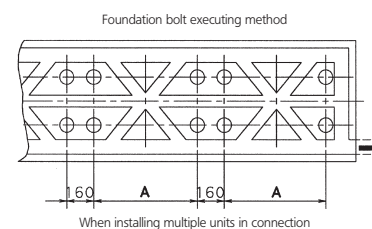
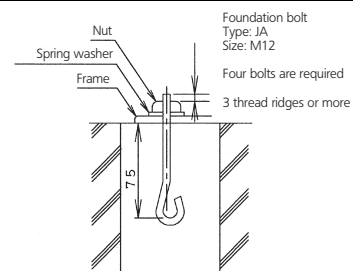
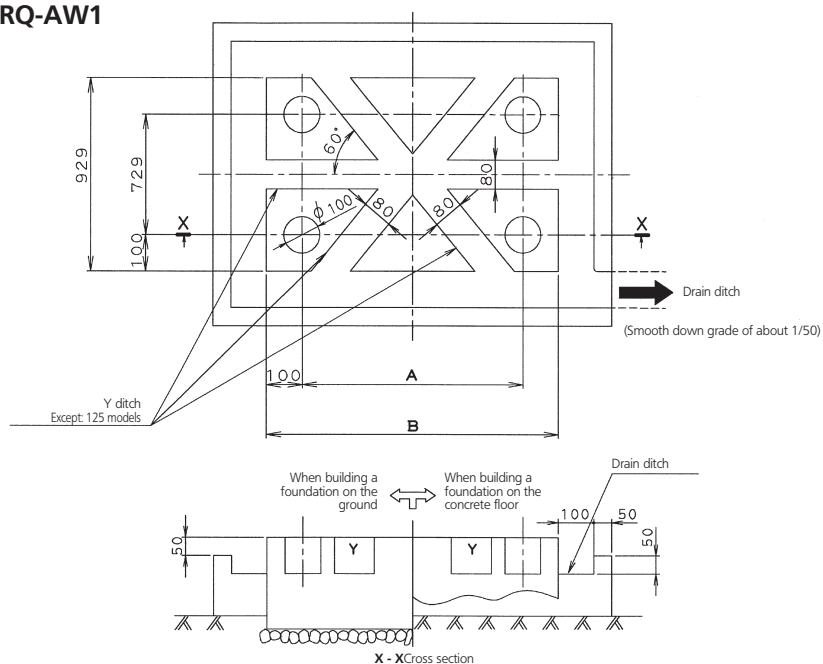
3D051451W

12 Installation

12 - 2 Fixation and Foundation of Units

12

ERQ-AW1



Model	A	B
ERQ125A7W18	497	697
ERQ200A7W18	792	992
ERQ250A7W18	792	992

NOTES

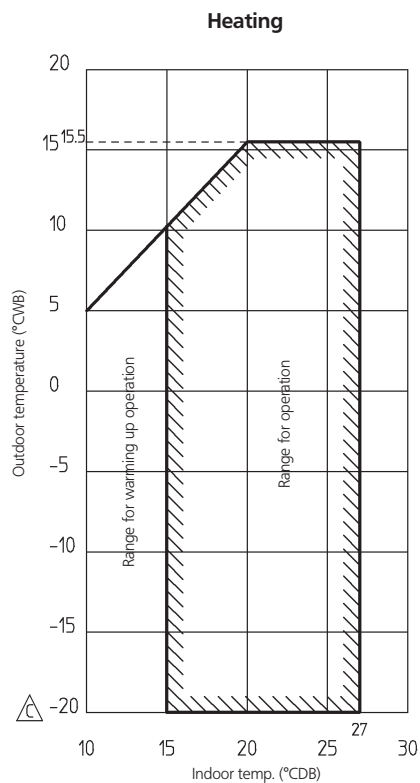
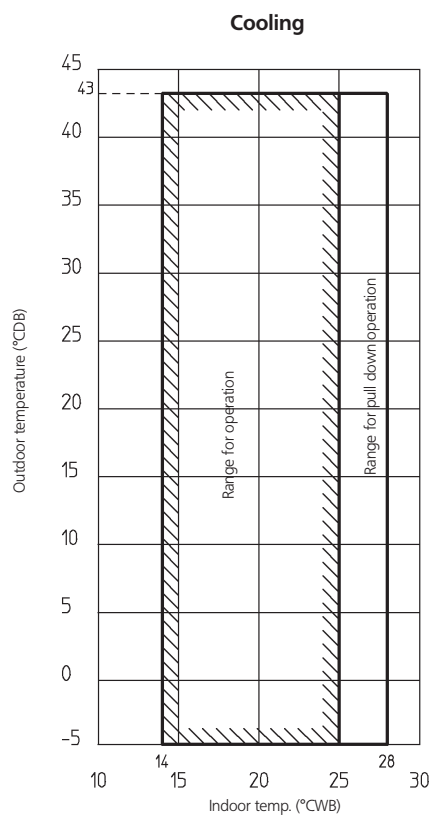
- 1 The proportions of cement: sand: gravel for the concrete shall be 1:2:4, and the reinforcement bars that their diameter are 10mm, (approx. 300mm intervals) shall be placed.
- 2 The surface shall be finished with mortar. The corner edges shall be chamfered.
- 3 When the foundation is built on a concrete floor, rubble is not necessary. However, the surface of the section on which the foundation is built shall have rough finish.
- 4 A drain ditch shall be made around the foundation to thoroughly drain water from the equipment installation area.
- 5 When installing the equipment on a roof, the floor strength shall be checked, and water-proofing measures shall be taken.
- 6 Y Ditch is not necessary for 125 models.

3TW32039-6

13 Operation range

13 - 1 Operation Range

ERQ-AW1



NOTES

1 These figures assume the following operating conditions.

- Indoor and outdoor units:
- Equivalent piping length 7.5m
 - Level difference 0m

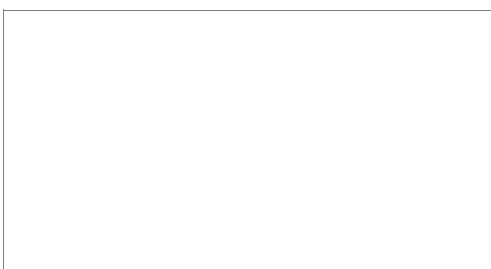
2 Depending on operation and installation conditions, the indoor unit can change over to freeze-up operation (indoor de-icing).

3 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.

4TW25797-3C



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