WALL MOUNTED ETHEREA
INVERTER+
SILVER PLATED / WHITE

Etherea with enhanced Econavi sensor and new Nanoe-G air-purifying system: outstanding efficiency, comfort and healthy air combined with state-of-the-art design.

Econavi features an in-built human activity sensor and a new sunlight detection technology to adjust output thereby giving you the best comfort at anytime whilst saving energy. Econavi not only optimizes air flow orientation and volume according to human presence, it also reduces cooling power automatically by no/less sunshine. With Econavi, energy savings of up to 38% are possible, whilst increasing your comfort. Furthermore, the Nanoe-G revolutionary air-purifying system utilises nano technology fine particles to remove and deactivate 99% of both airborne and adhesive micro-organisms like bacteria, viruses and mould.

iF product design award 2013

Awarded with the prestigious IF Design Award 2013

Internet Control Ready	Energy saving	7.60 A++ SEER	4.80 A++ SCOP	Air purifier 99% removal bacteria · virus · mold	Up to 38% energy savings (cooling)	Improved comfort	Perfect humidity control	Silent air 20 dB	Easy control by BMS	Possible to use on R22 pipings	5 year compressor warranty
INTERNET CONTROL	INVERTER+	SEASONAL ENERGY EFFICIENCY RATIO	SEASONAL COEFFICIENT OF PERFORMANCE	nanoe-G	ECONAVI	AUTOCOMFORT	MILD DRY	SUPER QUIET	CONNECTIVITY	R22 RENEWAL	

INTERNET CONTROL READY: Optional. SEER and SCOP: For KIT-XE12-QKE and KIT-E12-QKE. MILD DRY: Maintains a Relative Humidity up to 10% higher than cooling operation. Ideal when sleeping with the air conditioner on. SUPER QUIET: For XE7, XE9, XE12, E7, E9 and XE12. 5 YEARS COMPRESSOR WARRANTY: Only for PRO partners.

Kit Silver Plated			KIT-XE7-QKE	KIT-XE9-QKE	KIT-XE12-QKE	—
Kit Silver Plated / with Smartphone Control			KIT-XE7-QKE-WIFI	KIT-XE9-QKE-WIFI	KIT-XE12-QKE-WIFI	—
Kit White			KIT-E7-QKE	KIT-E9-QKE	KIT-E12-QKE	KIT-E15-QKE
Kit White / with Smartphone Control			KIT-E7-QKE-WIFI	KIT-E9-QKE-WIFI	KIT-E12-QKE-WIFI	KIT-E15-QKE-WIFI
Indoor Silver plated			CS-XE7QKEW	CS-XE9QKEW	CS-XE12QKEW	—
Indoor White			CS-E7QKEW	CS-E9QKEW	CS-E12QKEW	CS-E15QKEW
Outdoor			CU-E7QKE	CU-E9QKE	CU-E12QKE	CU-E15QKE
Cooling capacity	Nominal (Min - Max)	kW	2.05 (0.75 - 2.40)	2.50 (0.85 - 3.00)	3.50 (0.85 - 4.00)	4.20 (0.85 - 5.00)
	Nominal (Min - Max)	kCal/h	1,760 (650 - 2,060)	2,150 (730 - 2,580)	3,010 (730 - 3,440)	3,610 (730 - 4,300)
SEER	Nominal	Energy Saving	6.90 A++	6.90 A++	7.60 A++	6.60 A++
Pdesign (cooling)		kW	2.1	2.5	3.5	4.2
Power input cooling	Nominal (Min - Max)	kW	0.460 (0.240 - 0.565)	0.525 (0.245 - 0.715)	0.835 (0.250 - 1.050)	1.240 (0.260 - 1.540)
Annual electricity consumption (cooling) [1]		kWh/a	107	127	161	223
Heating capacity	Nominal (Min - Max)	kW	2.80 (0.70 - 4.00)	3.40 (0.80 - 5.00)	4.00 (0.80 - 6.00)	5.30 (0.80 - 6.80)
Heating capacity at -7°C	Nominal	kW	2.38	2.95	3.45	4.11
SCOP	Nominal	Energy Saving	4.40 A+	4.70 A++	4.80 A++	4.00 A+
Pdesign at -10°C		kW	2.1	2.7	3.2	3.6
Power input heating	Nominal (Min - Max)	kW	0.625 (0.180 - 1.000)	0.720 (0.190 - 1.270)	0.840 (0.190 - 1.600)	1.420 (0.190 - 1.920)
Annual electricity consumption (heating) [1]		kWh/a	668	804	933	1,260
Indoor Unit						
Power source		V	230	230	230	230
Recommended fuse		A	16	16	16	16
Recommended power cable section		mm²	1.5	1.5	1.5	1.5
Connection indoor / outdoor		mm²	4 x 1.5	4 x 1.5	4 x 1.5	4 x 1.5
Current (Nominal)	Cooling / Heating	A	2.20 / 2.80	2,35 / 3.20	3.80 / 3.90	5.50 / 6.30
Maximum current		A	4.40	5.6	7.40	8.5
Air volume	Cooling / Heating	m³/h	726 / 738	768 / 774	804 / 822	852 / 876
Moisture removal volume		l/h	1.3	1.5	2	2.4
Sound pressure level [2]	Cooling (Hi / Lo / Q-Lo)	dB(A)	37 / 24 / 20	39 / 25 / 20	42 / 28 / 20	43 / 31 / 25
	Heating (Hi / Lo / Q-Lo)	dB(A)	38 / 25 / 20	40 / 27 / 20	42 / 33 / 20	43 / 35 / 29
Sound power level	Cooling / Heating (Hi)	dB	53 / 54	55 / 56	58 / 58	59 / 59
Dimensions	H x W x D	mm	295 x 870 x 255	295 x 870 x 255	295 x 870 x 255	295 x 870 x 255
Net weight		kg	10	10	10	10
Air purifier filter			Nanoe-G	Nanoe-G	Nanoe-G	Nanoe-G
Outdoor Unit						
Air volume	Cooling / Heating	m³/h	2,034 / 2,034	1,788 / 1,788	2,106 / 2,160	1,998 / 1,998
Sound pressure level [2]	Cooling / Heating (Hi)	dB(A)	45 / 46	46 / 47	48 / 50	49 / 51
Sound power level	Cooling / Heating (Hi)	dB	60 / 61	61 / 62	63 / 65	64 / 66
Dimensions [3]	H x W x D	mm	542 x 780 x 289	542 x 780 x 289	619 x 824 x 299	619 x 824 x 299
Net weight		kg	31	33	35	33
Piping connections	Liquid pipe / Gas pipe	inch (mm)	1/4 (6.35) / 3/8 (9.52)	1/4 (6.35) / 3/8 (9.52)	1/4 (6.35) / 3/8 (9.52)	1/4 (6.35) / 1/2 (12.70)
Refrigerant loading	R410A (GWP value)	kg	0.85	1.02	1.15	1.02
Elevation difference (in/out) [4]	Max	m	15	15	15	15
Piping length	Min / Max	m	3 / 15	3 / 15	3 / 15	3 / 15
Precharge length	Max	m	7.5	7.5	7.5	7.5
Additional charge		g/m	20	20	20	20
Operating range	Cooling Min / Max	°C	-10 / +43	-10 / +43	-10 / +43	-10 / +43
	Heating Min / Max	°C	-15 / +24	-15 / +24	-15 / +24	-15 / +24

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb)
Connectivity restriction: JKE units are not compatible with QKE units.

1) The annual energy consumption is calculated in accordance with the ErP directive. 2) The Sound pressure level of the units shows the value measured of a position 1 metre in front of the main body and 0.8 m below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. Q-Lo: Quiet mode. Lo: The lowest fan speed. 3) Add 70 mm for piping port. 4) When installing the outdoor unit at a higher position than the indoor unit.
Specifications subject to change without notice.
For detailed information about ErP, please visit our page http://www.ptc.panasonic.eu

CS-E7QKEW // CS-E9QKEW // CS-E12QKEW // CS-E15QKEW

CS-XE7QKEW // CS-XE9QKEW // CS-XE12QKEW

Included with the indoor unit

Optional wired remote control
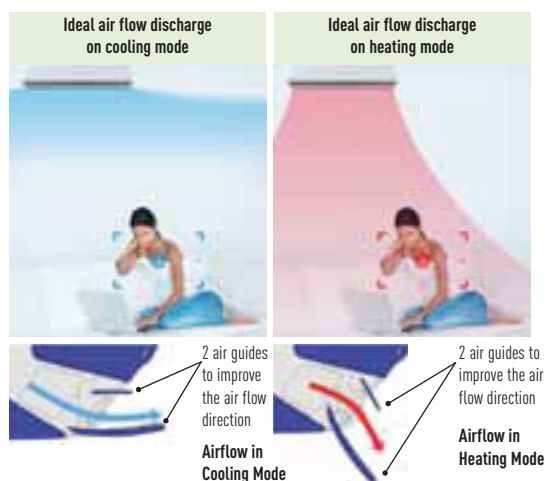CZ-RD514C

SEASONAL EFFICIENCY

SEER **A++**

KIT SILVER PLATED: KIT-XE7-QKE // KIT-XE9-QKE // KIT-XE12-QKE

KIT WHITE: KIT-E7-QKE // KIT-E9-QKE // KIT-E12-QKE // KIT-E15-QKE

Technical focus

- **New!** This units can be installed on R22 pipings
- Maximum efficiency and comfort with Econavi, now with sunlight detection
- Nanoe-G air purifying system, 99% effective on both airborne and adhesive mould, viruses, bacteria and pollen allergen
- Optional smartphone control
- Mild Dry Cooling: prevent a rapid decrease in room humidity
- Super Quiet! Only 20 dB, equivalent to night-time in the countryside (XE7, XE9 XE12, E7, E9 and E12)
- More powerful airflow to quickly reach the desired temperature

NEW AIR FLOW DISCHARGE IDEAL AIR FLOW FOR HEATING AND FOR COOLING

Ideal air flow discharge on cooling mode

Ideal air flow discharge on heating mode

2 air guides to improve the air flow direction

Airflow in Cooling Mode

2 air guides to improve the air flow direction

Airflow in Heating Mode

R2 ROTARY INVERTER COMPRESSOR Panasonic

CU-E7QKE
CU-E9QKE

CU-E12QKE
CU-E15QKE

Features

HEALTHY AIR
- Nanoe-G air purifying system
- Mild Dry Cooling operation mode for increased comfort and prevention of skin moisture loss

ENERGY, EFFICIENCY AND ECOLOGY
- Maximum efficiency Inverter system, for bigger savings
- -45% consumption with Econavi on heat pump, and -38% on cooling mode
- R410A refrigerant gas

COMFORT
- Super Quiet (from 20 dB)
- Powerful mode
- Uniform dispersion of airflow
- Automatic vertical airflow control
- Hot start mode, increased comfort on heat pump mode, no cool airflow when process starts
- Automatic restart after power cut

EASE OF USE
- Real time clock with dual ON&OFF timer
- User friendly infrared remote control
- Optional wired weekly timer with 6 settings per day and 42 settings per week
- Connectivity function (indoor unit equipped with PCB port which can be connected to outside network)
- Optional Smartphone control

EASY INSTALLATION AND MAINTENANCE
- **NEW!** Heating only function by enabling software (only by service partner)
- Removable, washable panel
- 15 m maximum connection distance
- 15 m maximum elevation difference
- Maintenance access through the top panel of the outdoor unit
- Self-diagnosis function

WALL MOUNTED ETHEREA
INVERTER+
SILVER PLATED / WHITE

Etherea with enhanced Econavi sensor and new Nanoe-G air-purifying system: outstanding efficiency, comfort and healthy air combined with state-of-the-art design.

Econavi features an in-built human activity sensor and a new sunlight detection technology to adjust output thereby giving you the best comfort at anytime whilst saving energy. Econavi not only optimizes air flow orientation and volume according to human presence, it also reduces cooling power automatically by no/less sunshine. With Econavi, energy savings of up to 38% are possible, whilst increasing your comfort. Furthermore, the Nanoe-G revolutionary air-purifying system utilises nano technology fine particles to remove and deactivate 99% of both airborne and adhesive micro-organisms like bacteria, viruses and mould.

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Internet Control Ready	Energy saving	6.90 A++ SEER	4.20 A+ SCOP	Air purifier 99% removal bacteria·virus·mold	Up to 38% energy savings (cooling)	Improved comfort	Perfect humidity control	Easy control by BMS	Possible to use on R22 pipings	5 year compressor warranty
INTERNET CONTROL	INVERTER+	SEASONAL ENERGY EFFICIENCY RATIO	SEASONAL COEFFICIENT OF PERFORMANCE	nanoe-G	ECONAVI	AUTOCOMFORT	MILD DRY	CONNECTIVITY	R22 RENEWAL	

INTERNET CONTROL READY: Optional. SEER and SCOP: For KIT-XE18-QKE and KIT-E18-QKE. MILD DRY: Maintains a Relative Humidity up to 10% higher than cooling operation. Ideal when sleeping with the air conditioner on. 5 YEARS COMPRESSOR WARRANTY: Only for PRO partners.

Kit Silver Plated			KIT-XE18-QKE	—	—	—
Kit Silver Plated / with Smartphone Control			KIT-XE18-QKE-WIFI	—	—	—
Kit White			KIT-E18-QKE	KIT-E21-QKE	KIT-E24-QKE	KIT-E28-QKE
Kit White / with Smartphone Control			KIT-E18-QKE-WIFI	KIT-E21-QKE-WIFI	KIT-E24-QKE-WIFI	KIT-E28-QKE-WIFI
Indoor Silver plated			CS-XE18QKEW	—	—	—
Indoor White			CS-E18QKEW	CS-E21QKEW	CS-E24QKEW	CS-E28QKES
Outdoor			CU-E18QKE	CU-E21QKE	CU-E24QKE	CU-E28QKE
Cooling capacity	Nominal (Min - Max)	kW	5.00 (0.98 - 6.00)	6.30 (0.98 - 7.10)	6.80 (0.98 - 8.10)	7.65 (0.98 - 8.60)
	Nominal (Min - Max)	kCal/h	4,300 (840 - 5,160)	5,420 (840 - 6,110)	5,850 (840 - 6,970)	6,580 (840 - 7,400)
SEER	Nominal	Energy Saving	6.90 A++	6.50 A++	6.10 A++	6.00 A+
Pdesign (cooling)		kW	5.0	6.3	6.8	7.7
Power input cooling	Nominal (Min - Max)	kW	1.440 (0.280 - 1.990)	2.180 (0.280 - 2.500)	2.080 (0.380 - 2.650)	2.520 (0.380 - 2.920)
Annual electricity consumption (cooling) [1]		kWh/a	254	339	390	449
Heating capacity	Nominal (Min - Max)	kW	5.80 (0.98 - 8.00)	7.20 (0.98 - 8.50)	8.60 (0.98 - 9.90)	9.60 (0.98 - 11.00)
Heating capacity at -7°C	Nominal (Min - Max)	kW	4,990 (840 - 6,880)	6,190 (840 - 7,310)	7,400 (840 - 8,510)	8,260 (840 - 9,460)
SCOP	Nominal	Energy Saving	4.20 A+	4.00 A+	3.90 A	3.80 A
Pdesign at -10°C		kW	4.4	4.6	5.5	6.0
Power input heating	Nominal (Min - Max)	kW	1.520 (0.340 - 2.570)	2.090 (0.340 - 2.730)	2.580 (0.450 - 3.100)	3.240 (0.450 - 3.650)
Annual electricity consumption (heating) [1]		kWh/a	1,467	1,610	1,974	2,211
Indoor Unit						
Power source		V	230	230	230	230
Recommended fuse		A	16	20	20	20
Recommended power cable section		mm²	1.5	2.5	2.5	2.5
Connection indoor / outdoor		mm²	4 x 2.5	4 x 2.5	4 x 2.5	4 x 2.5
Current (Nominal)	Cooling / Heating	A	6.4 / 6.8	9.7 / 9.4	9.5 / 11.7	11.5 / 14.5
Maximum current		A	11.3	11.9	14.4	15.5
Air volume	Cooling / Heating	m³/h	1074 / 1158	1,134 / 1,200	1,188 / 1,272	1,266 / 1,314
Moisture removal volume		l/h	2.8	3.5	3.9	4.5
Sound pressure level [2]	Cooling (Hi / Lo / Q-Lo)	dB(A)	44 / 37 / 34	45 / 37 / 34	47 / 38 / 35	49 / 38 / 35
	Heating (Hi / Lo / Q-Lo)	dB(A)	44 / 37 / 34	45 / 37 / 34	47 / 38 / 35	48 / 38 / 35
Sound power level	Cooling / Heating (Hi)	dB	60 / 60	61 / 61	63 / 63	65 / 64
Dimensions	H x W x D	mm	295 x 1,070 x 255	295 x 1,070 x 255	295 x 1,070 x 255	295 x 1,070 x 255
Net weight		kg	13	13	13	13
Air purifier filter			Nanoe-G	Nanoe-G	Nanoe-G	Nanoe-G
Outdoor Unit						
Air volume	Cooling / Heating	m³/h	2,352 / 2,274	2,502 / 2,424	3,012 / 3,012	3,270 / 3,270
Sound pressure level [2]	Cooling / Heating (Hi)	dB(A)	47 / 47	48 / 49	52 / 52	53 / 53
Sound power level	Cooling / Heating (Hi)	dB	61 / 61	62 / 63	66 / 66	67 / 67
Dimensions [3]	H x W x D	mm	695 x 875 x 320	695 x 875 x 320	795 x 875 x 320	795 x 875 x 320
Net weight		kg	46	47	67	67
Piping connections	Liquid pipe / Gas pipe	inch (mm)	1/4" (6.35) / 1/2" (12.70)	1/4" (6.35) / 1/2" (12.70)	1/4" (6.35) / 5/8" (15.88)	1/4" (6.35) / 5/8" (15.88)
Refrigerant loading	R410A	kg	1.24	1.32	1.80	1.80
Elevation difference (in/out)	Max	m	15	15	20	20
Piping length	Min / Max	m	3 / 20	3 / 20	3 / 30	3 / 30
Precharge length	Max	m	7.5	7.5	10	10
Additional charge		g/m	20	20	30	30
Operating range	Cooling Min / Max	°C	-10 / +43	-10 / +43	-10 / +43	-10 / +43
	Heating Min / Max	°C	-15 / +24	-15 / +24	-15 / +24	-15 / +24

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb)
Connectivity restriction: JKE units are not compatible with QKE units.

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For detailed information about ErP, please visit our page http://www.ptc.panasonic.eu

CS-E18QKEW // CS-E21QKEW // CS-E24QKEW //
CS-E28QKES

CS-XE18QKEW

Included with
the indoor unit

Optional wired remote
control
CZ-RD514C

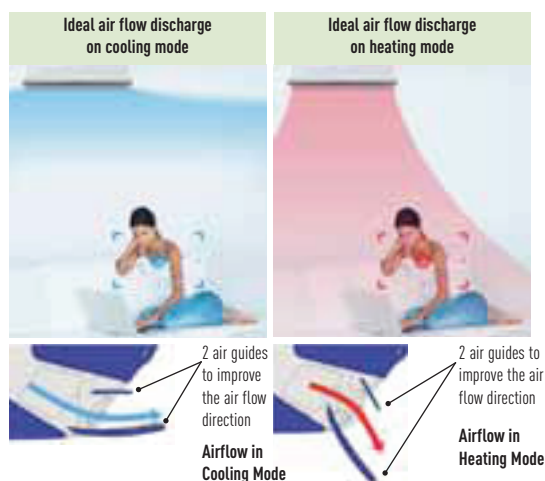**SEASONAL
EFFICIENCY**

SEER
A++

KIT SILVER PLATED: KIT-XE18-QKE

KIT WHITE: KIT-E18-QKE // KIT-E21-QKE // KIT-E24-QKE // KIT-E28-QKE

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- Optional wired weekly timer with 6 settings per day and 42 settings per week
- Connectivity function (indoor unit equipped with PCB port which can be connected to outside network)
- Optional Smartphone control

EASY INSTALLATION AND MAINTENANCE
- Removable, washable panel
- 20 m (for 18 and 21), 30 m (for 24 and 28) maximum connection distance
- 15 m (for 18 and 21), 20 m (for 24 and 28) maximum elevation difference
- Maintenance access through the top panel of the outdoor unit
- Self-diagnosis function

NEW AIR FLOW DISCHARGE IDEAL AIR FLOW FOR HEATING AND FOR COOLING

Ideal air flow discharge
on cooling mode

Ideal air flow discharge
on heating mode

2 air guides
to improve
the air flow
direction

**Airflow in
Cooling Mode**

2 air guides to
improve the air
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R2
ROTARY
INVERTER COMPRESSOR
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CU-E18QKE
CU-E21QKE

CU-E24QKE
CU-E28QKE