



# WALL MOUNTED TE COMPACT STYLE INVERTER • R410A GAS



## TE compact indoor size

The new TE indoor units have a new size. With 799mm of width, you can put the air conditioner on the top of the door.  
New TE Inverter models are powerful and efficient, with an outstanding energy ranking of A++/A+, unique in the market! The TE works up to an outdoor temperature of -15°C in heating mode and -10°C up to an outdoor temperature of -15°C in heating and -10°C in cooling and still with a high efficiency and capacity! Furthermore, the annual energy consumption has never been so low.



CS-TE50TKEW  
CS-TE60TKEW

## Technical focus

- **NEW!** New compact design with 799mm
- Aerowings to control air draft direction
- PM2,5 Filter to create clean and comfort indoor quality
- Complete line-up of standard Inverter models
- Super Quiet! Only 20dB(A)
- High energy savings
- This units can be installed on R22 pipings
- Long connection distance (from 15m up to 30m)
- Wired control (Optional)
- Smartphone control (Optional)

Kit			KIT-TE20-TKE	KIT-TE25-TKE	KIT-TE35-TKE	KIT-TE42-TKE	KIT-TE50-TKE	KIT-TE60-TKE
Cooling capacity	Nominal (Min - Max)	kW	2,00 (0,75 - 2,40)	2,50 (0,85 - 3,00)	3,50 (0,85 - 3,90)	4,20 (0,85 - 4,60)	5,00 (0,98 - 5,60)	6,30 (0,98 - 7,10)
EER <sup>1)</sup>	Nominal (Min - Max)	W/W	3,77 (3,00 - 3,75) A	3,73 (3,40 - 3,30) A	3,43 (3,33 - 3,22) A	3,28 (3,21 - 2,75) A	3,36 (3,44 - 3,20) A	3,20 (3,50 - 2,93) A
<b>SEER</b>		<b>W/W</b>	<b>6,10 A++</b>	<b>6,10 A++</b>	<b>6,10 A++</b>	<b>5,60 A+</b>	<b>6,50 A++</b>	<b>6,20 A++</b>
Pdesign (cooling)		kW	2,0	2,5	3,5	4,2	5,0	6,3
Input power cooling	Nominal (Min - Max)	kW	0,53 (0,25 - 0,64)	0,67 (0,25 - 0,91)	1,02 (0,26 - 1,21)	1,28 (0,27 - 1,67)	1,49 (0,29 - 1,75)	1,97 (0,28 - 2,42)
Annual electricity consumption (cooling) <sup>2)</sup>		kWh/a	115	143	201	263	269	356
Heating capacity	Nominal (Min - Max)	kW	2,70 (0,70 - 3,60)	3,30 (0,80 - 4,10)	4,00 (0,80 - 5,10)	5,00 (0,80 - 6,80)	5,80 (0,98 - 7,80)	7,20 (0,98 - 8,50)
Heating capacity at -7°C		kW	2,14	2,70	3,30	3,90	4,66	5,24
COP <sup>1)</sup>	Nominal (Min - Max)	W/W	3,97 (3,78 - 3,43) A	4,07 (4,10 - 3,57) A	3,74 (4,00 - 3,54) A	3,65 (4,00 - 3,29) A	3,72 (2,88 - 3,36) A	3,38 (2,88 - 3,13) B
<b>SCOP</b>		<b>W/W</b>	<b>4,00 A+</b>	<b>4,10 A+</b>	<b>4,10 A+</b>	<b>3,80 A</b>	<b>4,10 A+</b>	<b>4,00 A+</b>
Pdesign at -10°C		kW	1,9	2,4	2,8	3,6	4,0	4,6
Input power heating	Nominal (Min - Max)	kW	0,68 (0,19 - 1,05)	0,81 (0,20 - 1,15)	1,07 (0,20 - 1,44)	1,37 (0,20 - 2,07)	1,56 (0,34 - 2,32)	2,13 (0,34 - 2,74)
Annual electricity consumption (heating) <sup>2)</sup>		kWh/a	665	820	956	1.326	1.366	1.610
<b>Indoor Unit</b>			<b>CS-TE20TKEW</b>	<b>CS-TE25TKEW</b>	<b>CS-TE35TKEW</b>	<b>CS-TE42TKEW</b>	<b>CS-TE50TKEW</b>	<b>CS-TE60TKEW</b>
Air volume	Cooling / Heating	m <sup>3</sup> /min	10,0 / 10,9	10,9 / 11,6	11,8 / 12,5	12,3 / 12,9	19,9 / 20,8	20,8 / 21,4
Moisture removal volume		L/h	1,3	1,5	2,0	2,4	2,8	3,5
Sound pressure <sup>3)</sup>	Cooling (Hi / Lo / Q-Lo)	dB(A)	37 / 25 / 20	40 / 26 / 20	42 / 30 / 20	44 / 31 / 29	44 / 37 / 34	45 / 37 / 34
	Heating (Hi / Lo / Q-Lo)	dB(A)	38 / 26 / 22	40 / 27 / 22	42 / 33 / 22	44 / 35 / 28	44 / 37 / 34	45 / 37 / 34
Dimensions / Net weight	H x W x D	mm / kg	290 x 799 x 197 / 8	290 x 799 x 197 / 8	290 x 799 x 197 / 8	290 x 799 x 197 / 8	302 x 1.102 x 244 / 12	302 x 1.102 x 244 / 12
<b>Outdoor Unit</b>			<b>CU-TE20TKE</b>	<b>CU-TE25TKE</b>	<b>CU-TE35TKE</b>	<b>CU-TE42TKE</b>	<b>CU-TE50TKE</b>	<b>CU-TE60TKE</b>
Power source		V	230	230	230	230	230	230
Recommended fuse		A	16	16	16	16	16	16
Connection (indoor/outdoor)		mm <sup>2</sup>	4 x 1,5	4 x 1,5	4 x 1,5	4 x 1,5	4 x 1,5	4 x 1,5
Air volume	Cooling / Heating	m <sup>3</sup> /min	31,2 / 29,7	30,0 / 28,9	28,7 / 30,4	33,6 / 34,0	33,0 / 33,9	42,6 / 41,5
Sound pressure <sup>3)</sup>	Cooling / Heating (Hi)	dB(A)	46 / 47	47 / 48	48 / 50	49 / 51	48 / 49	49 / 49
Dimensions <sup>4)</sup> / Net weight	H x W x D	mm / kg	542 x 780 x 289 / 26	542 x 780 x 289 / 27	542 x 780 x 289 / 32	619 x 824 x 299 / 32	619 x 824 x 299 / 40	695 x 875 x 320 / 42
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)	1/4 (6,35) / 1/2 (12,70)	1/4 (6,35) / 1/2 (12,70)
Piping length range / Elevation difference (in/out)		m	3 - 15 / 15	3 - 15 / 15	3 - 15 / 15	3 - 15 / 15	3 - 20 / 15	3 - 20 / 15
Pipe length for additional gas / Additional gas amount		m / g/m	7,5 / 15	7,5 / 15	7,5 / 20	7,5 / 20	7,5 / 20	7,5 / 20
Refrigerant (R410A)		kg / TCO <sub>2</sub> Eq.	0,66 / 1,378	0,77 / 1,608	0,95 / 1,984	1,01 / 2,109	1,38 / 2,881	1,34 / 2,798
Operating range	Cooling Min - Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heating Min - Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24

Accessories	
PA-AC-WIFI-1	Full bidirectional Wifi interface for Internet control
PAW-IR-WIFI-1	IR Wifi interface for Internet control

Accessories	
CZ-RD514C	Wired remote controller for wall type
CZ-CAPRA1	H Generation interface to ECOi control integration

1) EER and COP classification is at 230V in accordance with EU directive 2002/31/EC. 2) The annual energy consumption is calculated in accordance with the ErP directive. 3) The Sound pressure of the units shows the value measured of a position 1m in front of the main body and 0,8m below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. Q-Lo: The lowest fan speed. Lo: The second lowest fan speed (the lowest fan speed for TE50/60). 4) Add 70mm for piping port. \* Tentative values.



A++  
6,50 SEER

A+  
4,10 SCOP

INVERTER

R2 ROTARY COMPRESSOR

PM2.5 FILTER

20dB(A) SUPER QUIET

AEROWINGS

R22 RENEWAL R410A

INTEGRATION P-LINE

INTERNET CONTROL

BMS CONNECTIVITY

5 YEARS WARRANTY

SEER and SCOP: For KIT-TE50-TKE. SUPER QUIET: For KIT-TE25-TKE, KIT-TE35-TKE and KIT-TE35-TKE. INTERNET CONTROL: Optional.

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)

Specifications subject to change without notice. For detailed information about ErP, please visit our websites [www.aircon.panasonic.eu](http://www.aircon.panasonic.eu) or [www.ptc.panasonic.eu](http://www.ptc.panasonic.eu).