



Specialist Distributor of Climate Control Solutions

12°C to 16°C

Low Temperature, Packaged Cooling systems from Logicool and Panasonic

Introducing Low-Temperature Cooling systems from Logicool in partnership with Panasonic. Utilising the existing PAC-i range together with a dedicated Panasonic adapter we are now able to control temperatures to conditions suitable for applications such as Wine Cellars, Food Preparation Areas, Clean Rooms, and Gymnasiums.

A “mix and match” system allows for a larger evaporator combination giving the installer the option to select a cooling system to suit their clients low temperature cooling requirement.

Features and Benefits

- Off-the-shelf Packaged Solution
- (Utilises Panasonic PAC-i Condensing Units and Evaporators with mix/match approved selection)
- Lower cost than competitors
- Japanese manufacturer
- Panasonic ELITE Air Conditioning product with CZ-RTC4 Controller
- Cassette, Wall Mounted, Ducted and Under Ceiling options
- Can be linked with other Panasonic AC equipment
- Low ambient cooling
- Twin Combinations Available



Examples of Typical Applications:

Wine storage	14°C
Gymnasiums	16°C
Food Prep	12°C
Clean room	16°C

For further information please call:
01283 218277 or email: sales@logicool-ac.com



Low Temperature Commercial Split Systems - High Efficiency Inverter

Low Temperature Cooling Applications

12°C Food Preparation Application

14°C Wine Cellar Application

Cooling to -15°C

Heating to -20°C

Pipe runs from 50 to 100 metres

Five Year Warranty

Single and Three Phase options

Twin Split Combinations also available - please call 01283 218277 for pricing

Pricing includes CZ-RTC4 hard wired controller and Panasonic commissioning tools on all models.

POWER/WIRING

Panasonic PAC-i systems require an independent power supply to both Indoor and Outdoor unit with 2 core 0.75mm² Interconnecting cable. Please refer to additional notes at end of this section.



Low Temperature
Application Solutions



Wall Mounted

Single Phase

Model Reference		Cool (kW)	Sensible Cooling Capacity (kW)			Max Pipe (m)	Fuse (Amps) In/Out	Pipe Gas	Pipe Liquid
Indoor Unit	Outdoor Unit		16/13/50	14/13/55	14/13/60				
			(DB°C / WB°C / Humidity)						
S-71PK1E5A	U-50PE1E5	4.90	3.75	3.55	3.42	40	3/16	1/2	1/4
S-100PK1E5A	U-71PE1E5A	6.90	5.43	5.06	4.85	50	3/20	5/8	3/8

Advertised condition based on: Condition 1; 14°CDB, 13°CWB, 35°C Ambient, 55%RH, Condition 2; 14°CDB, 13°CWB, 35°C Ambient, 60%RH, Condition 3; 16°CDB, 13°CWB, 35°C Ambient, 50%RH.

Three Phase

Model Reference		Cool (kW)	Sensible Cooling Capacity (kW)			Max Pipe (m)	Fuse (Amps) In/Out	Pipe Gas	Pipe Liquid
Indoor Unit	Outdoor Unit		16/13/50	14/13/55	14/13/60				
			(DB°C / WB°C / Humidity)						
S-100PK1E5A	U-71PE1E8A	6.90	5.43	5.06	4.85	50	3/16	5/8	3/8

Advertised condition based on: Condition 1; 14°CDB, 13°CWB, 35°C Ambient, 55%RH, Condition 2; 14°CDB, 13°CWB, 35°C Ambient, 60%RH, Condition 3; 16°CDB, 13°CWB, 35°C Ambient, 50%RH.

Panasonic Elite PAC-I Single Split pricing for LOW TEMPERATURE COOLING applications



4 Way Blow 900mm Cassette (c/w CZ-KPU21 Grille)

Single Phase

Model Reference		Cool (kW)	Sensible Cooling Capacity (kW)			Max Pipe (m)	Fuse (Amps) In/Out	Pipe Gas	Pipe Liquid
Indoor Unit	Outdoor Unit		16/13/50	14/13/55	14/13/60				
			(DB°C / WB°C / Humidity)						
S-71PU1E5A	U-50PE1E5	4.90	3.75	3.55	3.43	40	3/16	1/2	1/4
S-125PU1E5A	U-71PE1E5A	6.90	5.30	4.95	4.66	50	3/20	5/8	3/8
S-140PU1E5A	U-100PE1E5A	9.30	6.23	6.03	5.16	75	3/25	5/8	3/8
S-140PU1E5A	U-125PE1E5A	11.60	6.40	6.08	5.78	75	3/32	5/8	3/8

Advertised condition based on: Condition 1; 14°CDB, 13°CWB, 35°C Ambient, 55%RH, Condition 2; 14°CDB, 13°CWB, 35°C Ambient, 60%RH, Condition 3; 16°CDB, 13°CWB, 35°C Ambient, 50%RH.

Three Phase

Model Reference		Cool (kW)	Sensible Cooling Capacity (kW)			Max Pipe (m)	Fuse (Amps) In/Out	Pipe Gas	Pipe Liquid
Indoor Unit	Outdoor Unit		16/13/50	14/13/55	14/13/60				
			(DB°C / WB°C / Humidity)						
S-125PU1E5A	U-71PE1E8A	6.90	5.30	4.95	4.66	50	3/16	5/8	3/8
S-140PU1E5A	U-100PE1E8A	9.30	6.23	6.03	5.16	75	3/16	5/8	3/8
S-140PU1E5A	U-125PE1E8A	11.60	6.40	6.08	5.78	75	3/16	5/8	3/8

Advertised condition based on: Condition 1; 14°CDB, 13°CWB, 35°C Ambient, 55%RH, Condition 2; 14°CDB, 13°CWB, 35°C Ambient, 60%RH, Condition 3; 16°CDB, 13°CWB, 35°C Ambient, 50%RH.



Ceiling

Single Phase

Model Reference		Cool (kW)	Sensible Cooling Capacity (kW)			Max Pipe (m)	Fuse (Amps) In/Out	Pipe Gas	Pipe Liquid
Indoor Unit	Outdoor Unit		16/13/50	14/13/55	14/13/60				
			(DB°C / WB°C / Humidity)						
S-71PT2E5A	U-50PE1E5	4.90	3.75	3.55	3.42	40	3/16	1/2	1/4
S-125PT2E5A	U-71PE1E5A	6.90	5.30	4.95	4.66	50	3/20	5/8	3/8
S-140PT2E5A	U-100PE1E5A	9.30	6.23	6.03	5.16	75	3/25	5/8	3/8
S-140PT2E5A	U-125PE1E5A	11.60	6.40	6.08	5.78	75	3/32	5/8	3/8

Advertised condition based on: Condition 1; 14°CDB, 13°CWB, 35°C Ambient, 55%RH, Condition 2; 14°CDB, 13°CWB, 35°C Ambient, 60%RH, Condition 3; 16°CDB, 13°CWB, 35°C Ambient, 50%RH.

Panasonic Elite PAC-I Single Split pricing for LOW TEMPERATURE COOLING applications

Three Phase

Model Reference		Cool (kW)	Sensible Cooling Capacity (kW)			Max Pipe (m)	Fuse (Amps) In/Out	Pipe Gas	Pipe Liquid
Indoor Unit	Outdoor Unit		16/13/50	14/13/55	14/13/60				
			(DB°C / WB°C / Humidity)						
S-125PT2E5A	U-71PE1E8A	6.90	5.30	4.95	4.66	50	3/16	5/8	3/8
S-140PT2E5A	U-100PE1E8A	9.30	6.23	6.03	5.16	75	3/16	5/8	3/8
S-140PT2E5A	U-125PE1E8A	11.60	6.40	6.08	5.78	75	3/16	5/8	3/8

Advertised condition based on: Condition 1; 14°CDB, 13°CWB, 35°C Ambient, 55%RH, Condition 2; 14°CDB, 13°CWB, 35°C Ambient, 60%RH, Condition 3; 16°CDB, 13°CWB, 35°C Ambient, 50%RH.



High Static Concealed Duct

Single Phase

Model Reference		Cool (kW)	Sensible Cooling Capacity (kW)			Max Pipe (m)	Fuse (Amps) In/Out	Pipe Gas	Pipe Liquid
Indoor Unit	Outdoor Unit		16/13/50	14/13/55	14/13/60				
			(DB°C / WB°C / Humidity)						
S-71PF1E5A	U-50PE1E5	4.90	3.75	3.55	3.42	40	3/16	1/2	1/4
S-125PF1E5A	U-71PE1E5A	6.90	5.30	4.95	4.66	50	3/20	5/8	3/8
S-140PF1E5A	U-100PE1E5A	9.30	6.23	6.03	5.16	75	3/25	5/8	3/8
S-140PF1E5A	U-125PE1E5A	11.60	6.40	6.08	5.78	75	3/32	5/8	3/8
S-200PE2E5	U-140PE1E5A	13.60	18.50	TBC	TBC	75	3/32	5/8	3/8

Advertised condition based on: Condition 1; 14°CDB, 13°CWB, 35°C Ambient, 55%RH, Condition 2; 14°CDB, 13°CWB, 35°C Ambient, 60%RH, Condition 3; 16°CDB, 13°CWB, 35°C Ambient, 50%RH.

Three Phase

Model Reference		Cool (kW)	Sensible Cooling Capacity (kW)			Max Pipe (m)	Fuse (Amps) In/Out	Pipe Gas	Pipe Liquid
Indoor Unit	Outdoor Unit		16/13/50	14/13/55	14/13/60				
			(DB°C / WB°C / Humidity)						
S-125PF1E5A	U-71PE1E8A	6.90	5.30	4.95	4.66	50	3/16	5/8	3/8
S-140PF1E5A	U-100PE1E8A	9.30	6.23	6.03	5.16	75	3/16	5/8	3/8
S-140PF1E5A	U-125PE1E8A	11.60	6.40	6.08	5.78	75	3/16	5/8	3/8
S-200PE2E5	U-140PE1E8A	13.60	18.50	TBC	TBC	75	10/16	5/8	3/8
S-250PE2E5	U-200PE1E8	18.50	23.20	TBC	TBC	100	10/20	1 1/8	3/8

Advertised condition based on: Condition 1; 14°CDB, 13°CWB, 35°C Ambient, 55%RH, Condition 2; 14°CDB, 13°CWB, 35°C Ambient, 60%RH, Condition 3; 16°CDB, 13°CWB, 35°C Ambient, 50%RH.

* For models over 12kW the SCOP and SEER data is not available as it is not required under ErP Lot 10. the data represented in this instance is COP and EER in place of SCOP and SEER

POWER - separate power supply to Indoor (3 Amp Isolator for all units) and Outdoor Units. It is also possible to supply power to outdoor unit only, and run power to indoor via a 3 core flex from a field supplied fused terminal block. A separate 2 core 0.75mm² screened cable will also be required for data connection