

ItB19/02011: Reconstruction works of the National Centre for Judicial Expertise building

Technical Specifications for Air Conditioners

Note: Please consider minimum specifications for the relevant type of air conditioner to cover the cooling/heating capacity of the required office space (m²) as per Technical drawings.

Item	Minimum Specifications	
	Air Conditioners	
1	Type 1	Split air conditioning system, wall mounted, inverter
	Reverse Cycle System (Cooling & Heating)	Yes
	Other features	Moisture removal, ventilation, auto
	Cooling/Heating Capacity (BTU/h)	24,000 BTU/24,000 BTU (circa 40 m ² of office space)
	Permissible Range of Outdoor Temp, °C	Cooling: -10/+40; Heating: -10/+20
	Indoor/Outdoor Sound Level, dB	Max 35/60
	Seasonal Energy Efficiency Ratio (SEER)/ Seasonal Coefficient of Performance (SCOP)	Min 6.1/Min 4.6
	Energy saving Rank (Cooling/Heating)	Min A++/A++
	Refrigerant	R410A
	Input Power (Indoor Unit/Outdoor Unit)	1F, 220 - 240 V, 50 Hz
	Standard mounting and adjustment services (including consumables and additional services, like supports, pipes, ducts, cable, etc.)	Yes
2	Type 2	Split air conditioning system, wall mounted, inverter
	Reverse Cycle System (Cooling & Heating)	Yes
	Other features	Moisture removal, ventilation, auto
	Cooling/Heating Capacity (BTU/h)	18,000 BTU/18,000 BTU (30-40 m ² of office space)
	Permissible Range of Outdoor Temp, °C	Cooling: -10/+40; Heating: -10/+20
	Indoor/Outdoor Sound Level, dB	Max 35/60
	Seasonal Energy Efficiency Ratio (SEER)/ Seasonal Coefficient of Performance (SCOP)	Min 6.1/Min 4.6
	Energy saving Rank (Cooling/Heating)	Min A++/A++
	Refrigerant	R410A
	Input Power	1F, 220 - 240 V, 50 Hz
	Standard mounting and adjustment services (including consumables and additional services, like supports, pipes, ducts, cable, etc.)	Yes
3	Type 3	Split air conditioning system, wall mounted, inverter

	Reverse Cycle System (Cooling & Heating)	Yes
	Other features	Moisture removal, ventilation, auto
	Cooling/Heating Capacity (BTU/h)	12,000 BTU/12,000 BTU (20-30 m ² of office space)
	Permissible Range of Outdoor Temp, °C	Cooling: -10/+40; Heating: -10/+20
	Indoor/Outdoor Sound Level, dB	Max 35/60
	Seasonal Energy Efficiency Ratio (SEER)/ Seasonal Coefficient of Performance (SCOP)	Min 6.1/Min 4.6
	Energy saving Rank (Cooling/Heating)	Min A++/A++
	Refrigerant	R410A
	Input Power	1F, 220 - 240 V, 50 Hz
	Standard mounting and adjustment services (including consumables and additional services, like supports, pipes, ducts, cable, etc.)	Yes
4	Type 4	Split air conditioning system, wall mounted, inverter
	Reverse Cycle System (Cooling & Heating)	Yes
	Other features	Moisture removal, ventilation, auto
	Cooling/Heating Capacity (BTU/h)	9,000 BTU/9,000 BTU (10-20 m ² of office space)
	Permissible Range of Outdoor Temp, °C	Cooling: -10/+40; Heating: -10/+20
	Indoor/Outdoor Sound Level, dB	Max 35/60
	Seasonal Energy Efficiency Ratio (SEER)/ Seasonal Coefficient of Performance (SCOP)	Min 6.1/Min 4.6
	Energy saving Rank (Cooling/Heating)	Min A++/A++
	Refrigerant	R410A
	Input Power	1F, 220 - 240 V, 50 Hz
	Standard mounting and adjustment services (including consumables and additional services, like supports, pipes, ducts, cable, etc.)	Yes

Warranty period – 36 months