

Replace old imported air conditioners – Customer Manual -1 《Nameplate identification》

- Since the reform and opening up, China has imported many complete sets of equipment and numerous foreign-brand air conditioners for electric control cabinets along with complete sets of control cabinets.
- Such as Rittal from Germany; APISTE from Japan. In recent years, many Rittal imitation series have emerged in China. (Similar in appearance and size, but of average quality.) In Shanghai, there are counterfeit Rittal series (with fake Rittal trademarks).
- These so-called imported air conditioners are relatively expensive. Usually, they cost between 20,000 and 40,000 yuan. It has low cost performance, is unsuitable for the actual environment, with high failure rate, scarce spare parts and little maintenance value.



APISTE Corporation in Japan



APISTE replace points for attention: Power Supply, Voltage

APISTE mainly :

- 1、single-phase 100V; (L \ N);
- 2、Partially: Directly 3-phase 200V (L1/L2/L3, no neutral N).

Air conditioners mark power instead of cooling capacity.

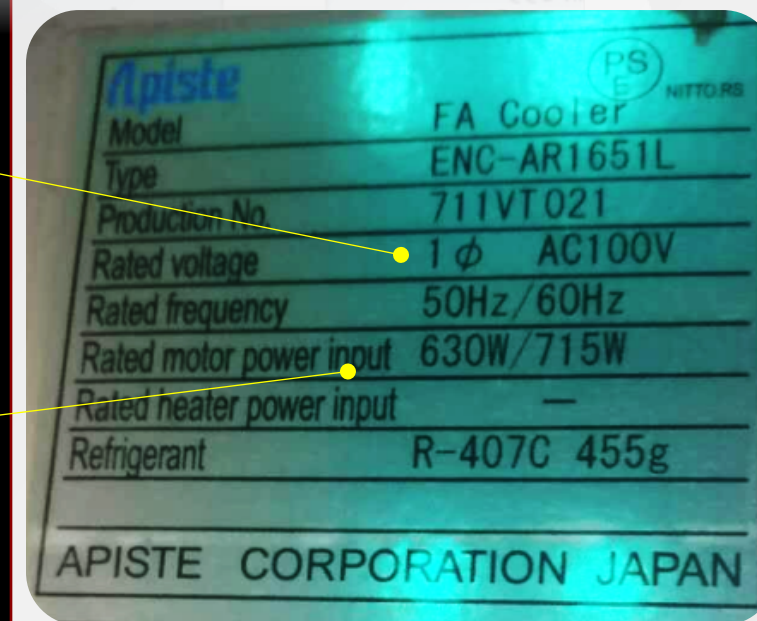
Actual calculation of cooling capacity
= Power X 2.2 (EER)

For example:

Single - Phase Power Supply 100V ;
Refrigerating Capacity

$$= 630W \text{ (The Power of Equipment at 50Hz) } \times 2.2 \\ = 1386W$$

Replace it with the HIGAO DKC 15 air conditioner (with a cooling capacity of 1500W)



Points for attention:

400V Voltage without a neutral wire

Rittal Most are single-phase-400V; (L \ N)

Or directly three-phase 400V; (L1\L2\L3, without neutral wire N).

Domestic: 1、 Air conditioners < 5000W: single-phase -220V.

2、 Air conditioners ≥ 5000W: three-phase 380V.

Because of 220V fan motor, a neutral wire N is required.

Suggestion: Use single-phase -220V lighting power with a short supply cycle. Other power specs can be customized at increased cost and cycle cost.

Four important dimensional information (Two photos and the length and width dimensions of the old air conditioner) – Customer Manual -2 《Overall dimensions》

1-Photo of the air conditioner's nameplate



refrigerating output



2-The length of the AC to be replaced.



3-The width of the AC to be replaced.



Points for attention: Power Supply Voltage

APISTE Most are single - phase-110V; (L \N)

In China, ACs under 5000W are single - phase 220V Above 5000W, three - phase 380V with N is available;

•Suggestion: All adopt lighting electricity, single - phase 220V; other power supply specifications can be customized, but the cost and cycle cost will increase.