



Specification (规格): 10HP×1

Shell material (外壳): carbon steel (碳钢)

Tube material (管): copper (铜)

Water connection (水接头): pipe thread (螺纹式)

Refrigerant (制冷剂): R407C / R22

Evaporator temp (蒸发温度): 2'c

Condenser temp (冷凝温度): 40'c

Sub cool (过冷): 5 k

Super heat (过热): 5 k

Water inlet (进水温度): 30'c

Water outlet (出水温度): 35'c

Fouling factor (污垢系数): 0.000044 m<sup>2</sup>k/w

Symbol	Nominal Diameter	Connections	Usage
a	φ22	Brazing	Refrigerant Inlet
b	φ19	Brazing	Refrigerant Outlet
c	Rc1-1/4	Screw	Water Inlet
d	Rc1-1/4	Screw	Water Outlet
e	NPT3/8	Screw	Safety valve seat
f	Rc1/4	Screw	Gas Outlet
g	Rc1/8	Screw	Gas Outlet

### Technical Characteristics

Item	Shell Side	Tube Side
Operating Pressure (MPa)	2.2	0.6
Design Pressure (MPa)	2.4	0.6
Test Pressure (MPa)	2.76	0.75
Working Temperature (°C)	60	40
Design Temperature (°C)	80	60
Working Medium	R407C / R22	H <sub>2</sub> O
Heat Transfer Area (m <sup>2</sup> )	1.6	
Heat Transfer Area (m <sup>2</sup> )	20,Q345R,T2	
Corrosion allowance (mm)	1	
Pressure Vessel Class	/	
Design Life (Years)	20	

### Shell & Tube Condenser



JDC36A8