



Specification (规格): 10HP  
 Shell material (外壳): carbon steel (碳钢)  
 Tube material (管): copper (铜)  
 Water connection (水接头): flanged (法兰式)  
 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): 12'c  
 Water outlet (出水温度): 7'c  
 Fouling factor (污垢系数): 0.000044 m<sup>2</sup>k/w

### Technical Characteristics

Item	Shell Side	Tube Side
Operating Pressure (MPa)	1.0	1.4
Design Pressure (MPa)	1.0	1.4
Test Pressure (MPa)	1.25	1.61
Working Temperature (°C)	38	38
Design Temperature (°C)	38	38
Working Medium	H <sub>2</sub> O	R407C / R22
Heat Transfer Area (m <sup>2</sup> )	2.5	
Heat Transfer Area (m <sup>2</sup> )	Q235-B, T2	
Corrosion allowance (mm)	1	
Pressure Vessel Class	/	
Design Life (Years)	20	

Symbol	Nominal Diameter	Connections	Usage
a	φ22	Brazing	Refrigerant Inlet
b	φ35	Brazing	Refrigerant Outlet
c	DN40	RF	Water Inlet
d	DN40	RF	Water Outlet
e	Rc1/2	Screw	Gas Outlet
f	Rc3/8	Screw	Gas Outlet
m	Rc1	Screw	Water Flow Meter Seat
n	Rc3/8(φ14×2)	Screw	Temperature test

Shell & Tube Dry Type Evaporator



JDEV30A8