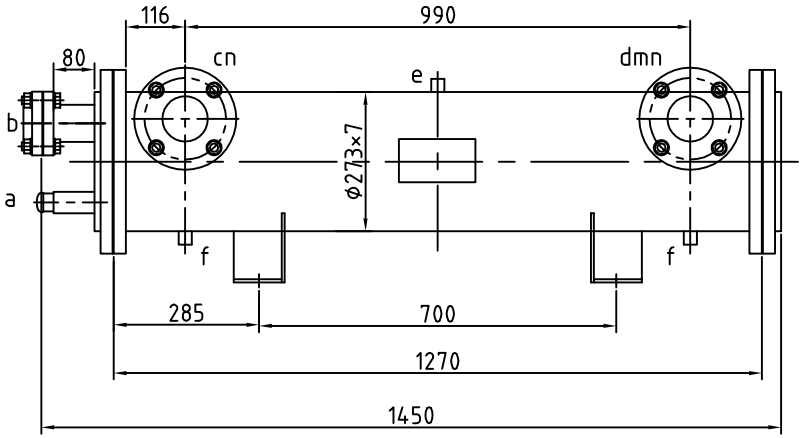

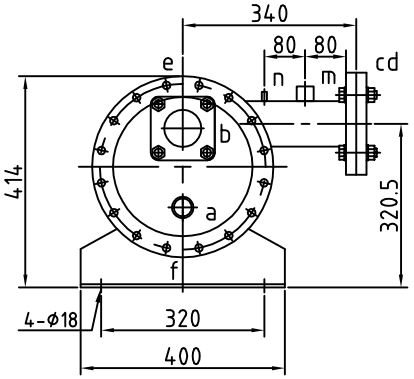

Specification (规格):30RT
Shell material (外壳): carbon steel (碳钢)
Tube material (管): copper (铜)
Water connection (水接头): flanged (法兰式)
Refrigerant (制冷剂): R22
Evaporator temp (蒸发温度): 2 c
Condenser temp (冷凝温度): 40c
Sub cool (过冷) : 5 k
Super heat (过热) : 5 k
Water inlet (进水温度): 12
Water outlet (出水温度): 7
Fouling factor (污垢系数): 0.000044 m2k/w

Technical Characteristics

Item	Shell Side	Tube Side
Operating Pressure (MPa)	1.0	1.4
Design Pressure (MPa)	1.0	2.4
Test Pressure (MPa)	1.25	2.76
Working Temperature (℃)	38	38
Design Temperature (℃)	38	38
Working Medium	H_2O	R22/R410a
Heat Transfer Area (m2)	7.8	
Heat Transfer Area (m2)	Q235-B, T2	
Corrosion allowance (mm)	1	
Pressure Vessel Class	/	
Design Life (Years)	20	

Symbol	Nominal Diameter	Connections	Usage
a	Φ28	Brazing	Refrigerant Inlet
b	Φ54	RF	Refrigerant Oulet
c	DN50	RF	Water Inlet
d	DN50	RF	Water Oulet
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

标记	处数	分区	更改文件号	签名	年月日	Plans	
设计			标准化			阶段标记 / 重量 / 比例	Dry Type Evaporator
校核							
审核							JDEV106A10(30RT)
工艺			批准			共 张 第 张	