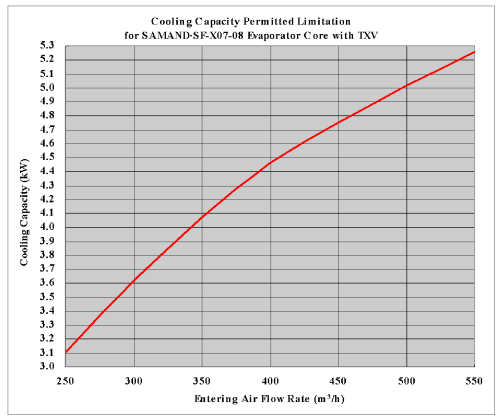
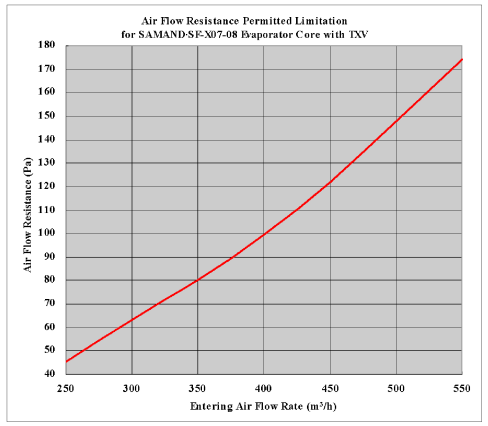
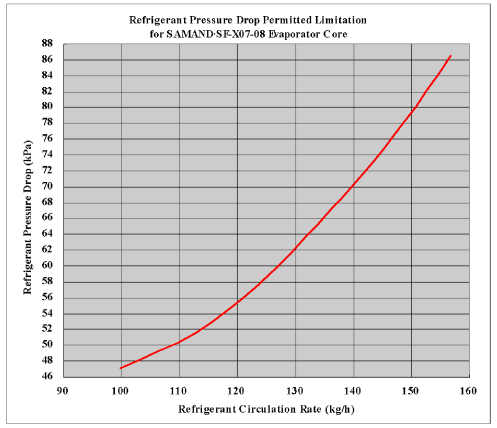
PERFORMANCE

COOLING CAPACITY	5020±5% W
AIR FLOW RESISTANCE	≤148 Pa (Wet)
REF. FLOW RESISTANCE	≤79.2 kPa (@ Ref. Flow Rate 150kg/h)
TEST CONDITIONS	
ENTERING AIR FLOW RATE	500m³/h
ENTERING AIR TEMPERATURE	27±1.0℃ (Dry Bulb)
	19.5±0.5℃ (Wet Bulb)
REF. PRESSURE BEFORE TXV	1640±10 kPa(G)
REF. SUBCOOL BEFORE TXV	5±1 ℃
OUTLET REF. PRESSURE	185±10 kPa(G)
OUTLET REF. SUPERHEAT	5±3 ℃





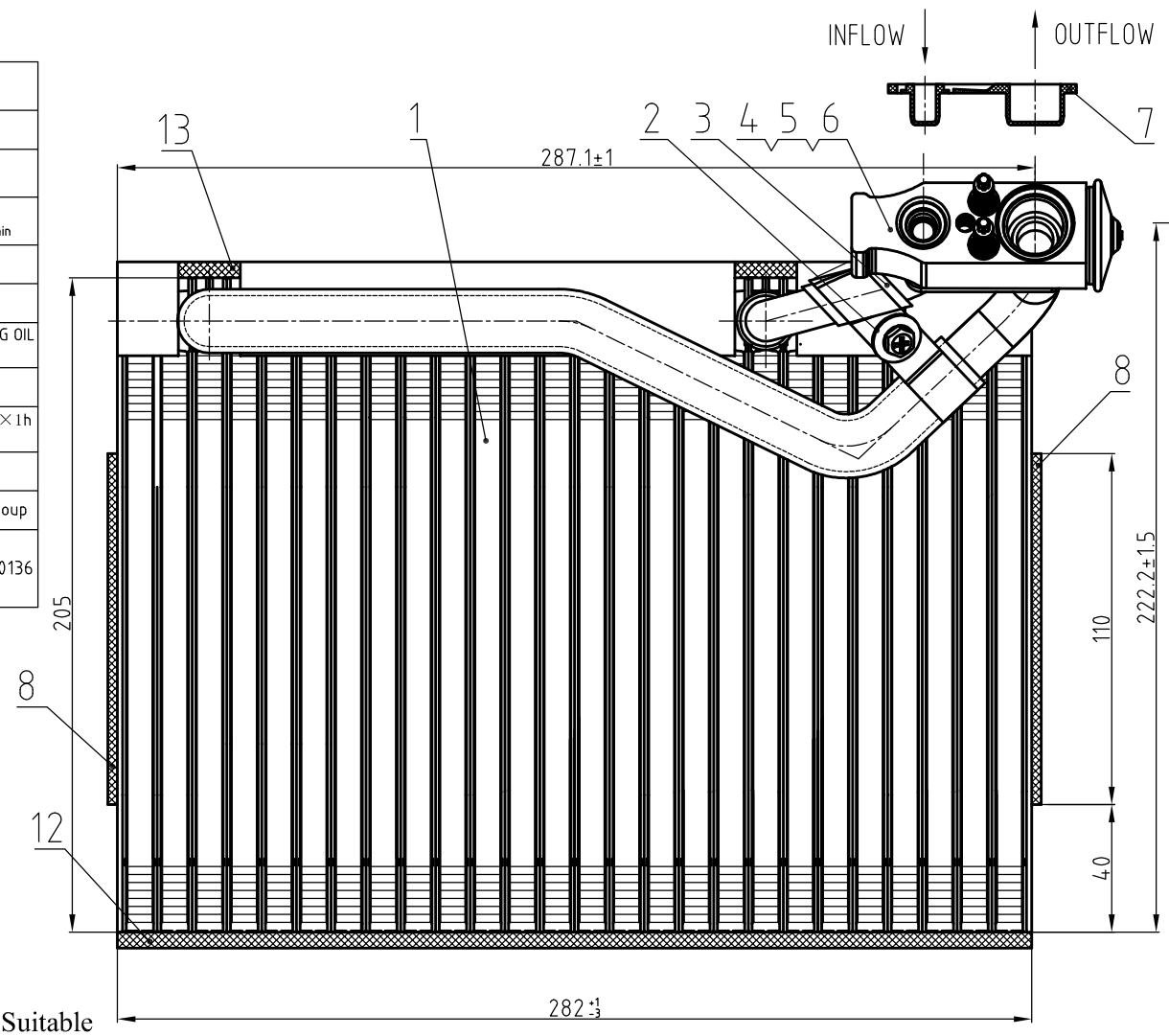


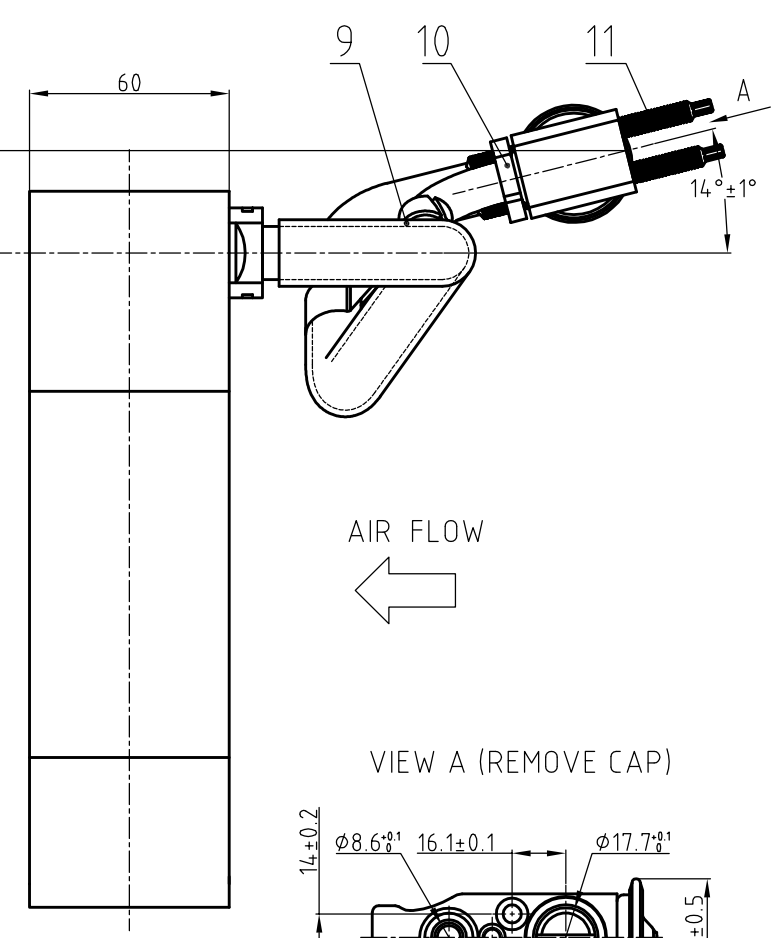
	DESCRIPTION	Q,y	MATERIAL SPEC	REMARK
1	EVAPORATOR CORE	1		
2	PIPE CLAMP ASSEMBLY	1		
3	ADIABATIC PIPE I	1	PVC-NBR Tubing	
4	O-RING SEAL I	1	HNBR Ø13.8XØ1.9	GENERAL PIECE
5	O-RING SEAL II	1	HNBR Ø10.8XØ1.9	GENERAL PIECE
6	H-TYPE THERMAL EXPANSION VALVE	1		1.5 U.S.T. 0.157±0.01MPa(0℃)
7	DUST-PROOF CAP OF EXPANSION VALVE	1	POLYPROPYLENE PP(PURE)	
8	ADIABATIC SPONGE I	2	POLYPROPYLENE PE(45 TIMES)	
9	ADIABATIC PIPE II	1	PVC-NBR Tubing	
10	CONNECT PLATE	1	STEEL PLATE B-5.0/Q235-A	
11	DOUBLE-HEAD BOLT	2	35#	
12	ADIABATIC SPONGE II	1	SOFT POLYURETHANE FOAM JM30	
13	ADIABATIC SPONGE III	1	SOFT POLYURETHANE FOAM JM30	GENERAL PIECE

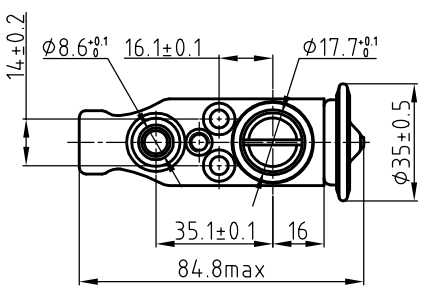
AIR TIGHTNESS	≤2 g/a	0.8±0.01 MPa(G) Pure Helium
LOW TEMPERATURE AIR TIGHTNESS	Fulfill Air Tightness	-20℃×24h, 0.4 MPa(G) Nitrogen
PRESSURE PROOF	Fulfill Air Tightness No Deformation	1.67±0.01 MPa(G) for 5min
DESTRUCTIVE PRESSURE	No Leakage at 2.75 MPa(G) Destructive≥3.33 MPa(G)	2.75±0.01 MPa(G) for 5min Pressure Increasing Rate: 350 kPa/min
INTERNAL RESIDUAL MOISTURE	≤12 mg/Evaporator	By Karl-Fischer Method
INTERNAL RESIDUAL FOREIGN MATERIAL	≤5 mg/Evaporator Dimensions ≤0.5mm	By Detergent-Wash Method
REPEATED PRESSURIZATION	Fulfill Air Tightness Service Performances are Still Satisfied	0.049~1.08 MPa(G)-80℃ PAG OIL 150,000 Cycles
VIBRATION	Fulfill Air Tightness	JIS D 1601-1A
REPEATED THERMAL SHOCK	Fulfill Air Tightness Service Performances are Still Satisfied	(-40±2℃)×1h-(+80±2℃)×1h 10 Cycles
CORROSION RESISTANCE	Fulfill Air Tightness	NSS for 3000h
ODOR EVALUATION	No Strong, Irritating or Unpleasant Odor Detected	Evaluated by Five-Person Group
ANTIMICROBIALPROPERTY	Fulfill "Evaporator Surface Treatment Technical Requirements"	Refering MHI Std. ESP-FC-0136
FUNGINERTPROPERTY		

ASS CORE SPECIFICATION

ASS SIZE	HEIGHT	236mm
	WIDTH	315mm
	DEPTH	60mm
FIN PITCH		3.08mm
EFFECTIVE AREA		0.051m²
WEIGHT		1.97Kg







NOTES

1. This Product Is Applicable To Refrigerant R134a;
2. Openings For Refrigerant Inlet and Outlet Should Be Blanked By Suitable Dustproof Caps;
3. No Corrosion, Oxidation, Burrs, Stickups, Partially Adherent Chips, Grease Etc. Should Be Detected On Refrigerant Flowings;
4. No Damages Such As Dents, Scraping, Breakage, Distortion Or Any Other Defects Should Appear On Product Surface;
5. Distribution of Fins Should Be Uniform And Regular, The Collapsed Fins Should Not Exceed 1% Of The Total Fins.
6. Not Mentioned Tolerances Should Obey GB/T1804-C;
7. All Adiabatic Sponges Should Stick To Evaporator Firmly.
8. Hydrophilic Treatment on Evaporator Surface Should Fulfill "Evaporator Surface Treatment Technical Requirements".

No:	DATE	REVISION	SIGN
4			
3			
2			
1			

THIRD ANGLE PROJECTION | SCALE: 1:1 | DATE: 17/09/2007

MATERIAL	DESIGNED	CHECKED	APPROVED

DIMENSION | FINISH

NO. 07a10

NAME. Evaporator Core With TXV Assembly

FOR REFERENCE ONLY INCHES ON ORIGINAL FORMAT 1 2 3

FOR REFERENCE ONLY 10 20 30 40 50 60 MM