



**ALTITUDE**  
REFRIGERATION SOLUTIONS



**High-Efficiency  
Evaporators for  
Cold & Freezer Room**

**350 Series**

Altitude Model	Capacity kW		HX Surface Area	Internal Tube Volume (dm3)	Refrigeration			
	Te=-6°C	Te=-24°C			Connections			
	TD=6K		m2		Liquid	Suction	TXV	Orifice
<b>4.2mm fin space</b> Medium Temperature and Low Temp down to -18°C room Temp								
AE-4.2M  2.6/1*35	2.6	2.2	12.1	2.9	1/2	7/8	TES2	0.3
AE-4.2M  3.3/1*35	3.3	2.9	16.1	3.9	1/2	7/8	TES2	0.3
AE-4.2M  4.2/2*35	4.2	3.6	19.4	4.5	1/2	7/8	TES2	0.4
AE-4.2M  5.3/2*35	5.3	4.6	25.8	6.0	1/2	7/8	TES2	0.4
AE-4.2M  6.4/3*35	6.4	5.5	29.5	6.7	1/2	7/8	TES2	0.5
AE-4.2M  7.8/3*35	7.8	6.8	39.3	9.0	1/2	7/8	TES2	0.6
AE-4.2M  10.0/4*35	10.0	8.8	46.7	10.5	5/8	1-1/8	TESS	0.1
AE-4.2M  12.8/4*35	12.8	11.1	62.3	14.0	5/8	1-1/8	TESS	0.1
AE-4.2M  15.2/4*35	15.2	13.2	77.9	17.5	5/8	1-1/8	TESS	0.2
<b>6.0mm fin space</b> Low temperature applications from -18°C to -28°C								
AE-6.0L  1.8/1*35	2.1	1.8	8.7	2.9	1/2	7/8	TES2	0.2
AE-6.0L  2.3/1*35	2.7	2.3	11.6	3.9	1/2	7/8	TES2	0.3
AE-6.0L  2.9/2*35	3.4	2.9	14.0	4.5	1/2	7/8	TES2	0.3
AE-6.0L  3.7/2*35	4.3	3.7	18.7	6.0	1/2	7/8	TES2	0.4
AE-6.0L  4.4/3*35	5.1	4.4	21.3	6.7	1/2	7/8	TES2	0.4
AE-6.0L  5.6/3*35	6.4	5.6	28.4	9.0	1/2	7/8	TES2	0.5
AE-6.0L  7.0/4*35	8.0	7.0	33.7	10.5	5/8	1-1/8	TESS	0.1
AE-6.0L  8.9/4*35	10.2	8.9	45.0	14.0	5/8	1-1/8	TESS	0.1
AE-6.0L  10.5/4*35	12.1	10.5	56.2	17.5	5/8	1-1/8	TESS	0.2
<b>8.0mm fin space</b> Low temperature applications from -28°C to -35°C								
AE-6.0L  1.8/1*35	1.6	1.4	6.8	2.9	1/2	7/8	TES2	0.2
AE-6.0L  2.3/1*35	2.2	1.9	9.6	3.9	1/2	7/8	TES2	0.2
AE-6.0L  2.9/2*35	2.7	2.3	11.0	4.5	1/2	7/8	TES2	0.3
AE-6.0L  3.7/2*35	3.6	3.1	14.5	6.0	1/2	7/8	TES2	0.3
AE-6.0L  4.4/3*35	4.3	3.7	16.5	6.7	1/2	7/8	TES2	0.4
AE-6.0L  5.6/3*35	5.2	4.5	22.0	9.0	1/2	7/8	TES2	0.4
AE-6.0L  7.0/4*35	6.5	5.6	26.1	10.5	5/8	1-1/8	TESS	0.1
AE-6.0L  8.9/4*35	7.7	7.4	34.9	14.0	5/8	1-1/8	TESS	0.1
AE-6.0L  10.5/4*35	9.9	8.6	43.6	17.5	5/8	1-1/8	TESS	0.1

External Rotor, Axial Flow Fans							Electric Defrost (Watts)			
Dia mm	No	Power Supply	Power Input	Current	Air Flow	Air Throw				
			W	(A)	m3/hr	m	In-Coil (x2)	Drain Pan (x1)	Total	Amps
<b>230V/50Hz/1Ph</b>										
350	1		129	0.65	2400	10	500	500	2000	8.7
350	1		129	0.65	2400	9	500	500	2000	8.7
350	2		258	1.3	4800	12	800	800	3200	13.9
350	2		258	1.3	4800	11	800	800	3200	13.9
350	3		387	1.95	7200	14	1200	1200	4800	20.9
350	3		387	1.95	7200	13	1200	1200	4800	20.9
350	4		516	2.6	9600	16	1800	1800	7200	31.3
350	4		516	2.6	9600	15	1800	1800	7200	31.3
350	4		516	2.6	9600	14	1800	1800	7200	31.3
350	4		516	2.6	9600	14	1800	1800	7200	31.3
<b>230V/50Hz/1Ph</b>										
350	1		129	0.65	2400	10	500	500	2000	8.7
350	1		129	0.65	2400	9	500	500	2000	8.7
350	2		258	1.3	4800	12	800	800	3200	13.9
350	2		258	1.3	4800	11	800	800	3200	13.9
350	3		387	1.95	7200	14	1200	1200	4800	20.9
350	3		387	1.95	7200	13	1200	1200	4800	20.9
350	4		516	2.6	9600	16	1800	1800	7200	31.3
350	4		516	2.6	9600	15	1800	1800	7200	31.3
350	4		516	2.6	9600	14	1800	1800	7200	31.3
350	4		516	2.6	9600	14	1800	1800	7200	31.3
<b>230V/50Hz/1Ph</b>										
350	1		129	0.65	2400	10	500	500	2000	8.7
350	1		129	0.65	2400	9	500	500	2000	8.7
350	2		258	1.3	4800	12	800	800	3200	13.9
350	2		258	1.3	4800	11	800	800	3200	13.9
350	3		387	1.95	7200	14	1200	1200	4800	20.9
350	3		387	1.95	7200	13	1200	1200	4800	20.9
350	4		516	2.6	9600	16	1800	1800	7200	31.3
350	4		516	2.6	9600	15	1800	1800	7200	31.3
350	4		516	2.6	9600	14	1800	1800	7200	31.3
350	4		516	2.6	9600	14	1800	1800	7200	31.3

### Features:

- Compact design, well suited to hospitality sector cold rooms
- All models fitted with axial flow, external rotor, fan motor assemblies
- All fans have been statically and dynamically balanced
- All fan motor assemblies are wired into the electrical box. Insulation class F, protection IP-55
- The fan shrouds are designed to deliver long air throw
- 4.2mm Fin Spacing for room temp down to -18C
- 6.0mm Fin Spacing for room temperature down to -28C
- 8.0mm Fin Spacing for room temperature down to -35C
- Electric Defrost elements fitted to all models.



**NOMENCLATURE**  
**Example: AE-6.0L |3.7/2\*35**

AE = Altitude Evaporator  
6 = 6.0mm Fin Spacing  
L = Low Temp Room under 0°C    M=Med Temp Room above +2°C

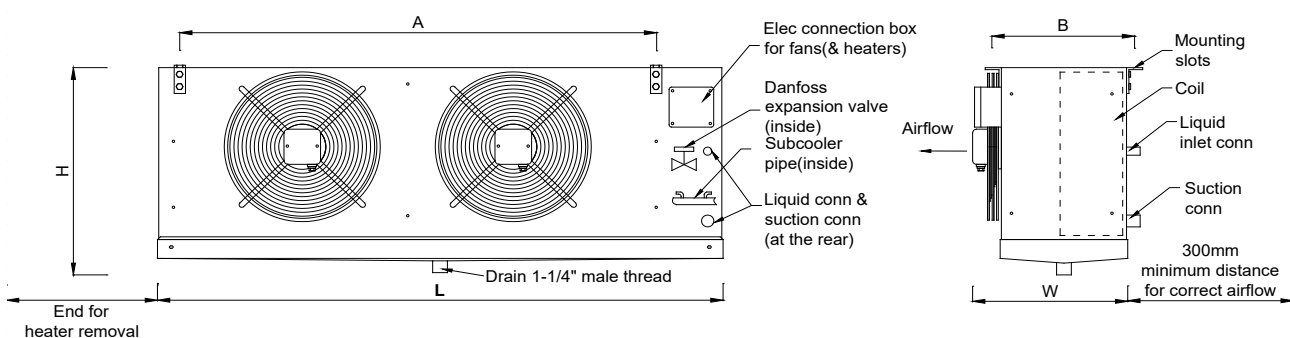
3.7 = Capacity in kW at 6KTD on R404A/R448A/R449A refrigerants  
2\*35 = 2 x 350mm diameter fan/s

**All Altitude evaporators are supplied with:**

- Danfoss TXV and Orifice fitted
- 1/4" Shrader Valve (Needle Valve) fitted
- The efficient coils are made from high quality copper tube and special profile aluminium fins
- Heat exchangers are supplied clean and tested under pressure
- White powder coated aluminium, high corrosion resistance
- Refrigerant distributors and refrigerant circuits are carefully optimised to ensure maximum efficiency of the heat exchangers under various operation conditions.
- Suction to liquid line HX to prevent liquid refrigerant flashing

# 350 Series

Altitude Model	External Dimensions			Installation Dimensions		Net Weight (kg)
	mm			mm		
4.2mm fin space	L	W	H	A	B	
AE-4.2M   2.6/1*35	900	460	484	630	380	27
AE-4.2M   3.3/1*35	900	460	484	630	380	28
AE-4.2M   4.2/2*35	1260	460	484	990	380	41
AE-4.2M   5.3/2*35	1260	460	484	990	380	43
AE-4.2M   6.4/3*35	1760	460	484	1490	380	55
AE-4.2M   7.8/3*35	1760	460	484	1490	380	60
AE-4.2M   10.0/4*35	2610	460	484	2340	380	76
AE-4.2M   12.8/4*35	2610	460	484	2340	380	83
AE-4.2M   15.2/4*35	2610	460	484	2340	380	90
<b>6.0mm fin space</b>						
AE-6.0L   1.8/1*35	900	460	484	630	380	26
AE-6.0L   2.3/1*35	900	460	484	630	380	27
AE-6.0L   2.9/2*35	1260	460	484	990	380	39
AE-6.0L   3.7/2*35	1260	460	484	990	380	41
AE-6.0L   4.4/3*35	1760	460	484	1490	380	53
AE-6.0L   5.6/3*35	1760	460	484	1490	380	57
AE-6.0L   7.0/4*35	2610	460	484	2340	380	74
AE-6.0L   8.9/4*35	2610	460	484	2340	380	81
AE-6.0L   10.5/4*35	2610	460	484	2340	380	88
<b>8.0mm fin space</b>						
AE-8.0L   1.4/1*35	900	460	484	630	380	24
AE-8.0L   1.9/1*35	900	460	484	630	380	25
AE-8.0L   2.3/2*35	1260	460	484	990	380	36
AE-8.0L   3.1/2*35	1260	460	484	990	380	38
AE-8.0L   3.7/3*35	1760	460	484	1490	380	49
AE-8.0L   4.5/3*35	1760	460	484	1490	380	53
AE-8.0L   5.6/4*35	2610	460	484	2340	380	70
AE-8.0L   7.4/4*35	2610	460	484	2340	380	77
AE-8.0L   8.6/4*35	2610	460	484	2340	380	84



**ALTITUDE**  
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