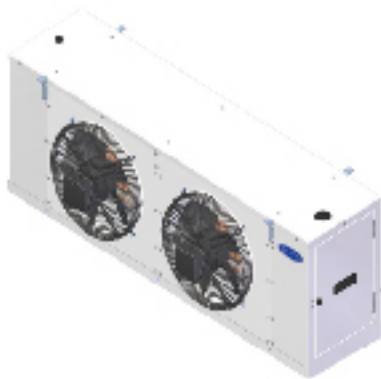


# Adventer Series Air Cooler



**SOLO**  
(Cooling capacity 1.44-15.69kW)



**DUO**  
(Cooling capacity 1.6-20.67kW)

## Customer Value

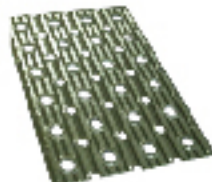
- Available for regular refrigerants and numerous models for more application
- High energy efficiency, low operation cost, safe & reliable
- Long range and equal food temperature in all zones
- High efficiency defrost, quick cooling effect, small fluctuation temperature for food preservation
- Anti-corrosion and long service life
- Energy saving 5%-10%\*

## Product Features

- Inner grooved tube and corrugated fins for larger heat exchange area and higher heat exchange efficiency
- Fine flanged fins, fixed and stable
- High efficiency defrosting, longer intervals and short defrosting time
- After high pressure powder spray double coatings, the fins are corrosion proof and easy to clean
- Less vapor generation during defrosting and easy to maintain and replace defrosting heating tubes
- Metal plate parts are all coated for corrosion resistance and the coating materials meet food hygiene requirements



Inner grooved tube



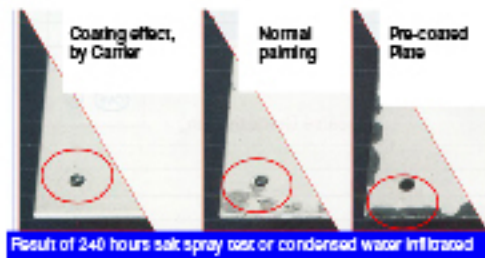
Corrugated fin



Flanging fins



Coating treatment of external surface

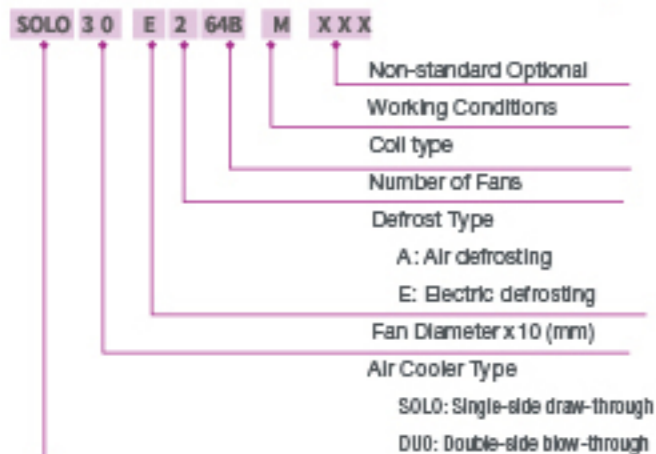


Result of 240 hours salt spray test or condensed water infiltration

Result of salt spray test

\* In comparison with the single-outlet air coolers of the same series provided by competitors

### Naming Rule of Air Cooler

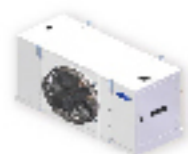


\*Range value description: Range is effective at ambient temperature 20°C, mounted on the ceiling.  
 Note: After air cooler is installed in the field, the actual range value may be different from that stated in the table for the following reasons: shape of the warehouse, load of the warehouse, installation of the air coolers, frosting inside the air cooler in operation and temperature difference at the inlet and outlet of the air coolers.  
 Noise data in the table are measured 1m from the fan axis in accordance with the EN13487 Test Standard. In actual application, the values may be lower due to measurement distance.

### Table of Non-standard and Optional Parts

Item	Non-standard Parts, Optional Parts and Special Standard Parts	SOLO 30/35	DUO 30/35
1	Natural defrosting	Standard	Standard
2	Electric defrosting	Standard	Standard
3	Double-layer drain pan	Standard	Standard
4	Side door hinge (easy to maintain)	Standard	Standard
5	Coil protective coating	Non-standard	Non-standard
6	Axicool fan	Non-standard	--

### Models of SOLO



SOLO 30/35 1M



SOLO 30/35 2M

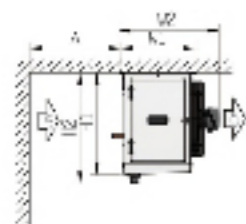


SOLO 30/35 3M

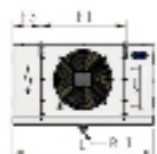


SOLO 30/35 4M

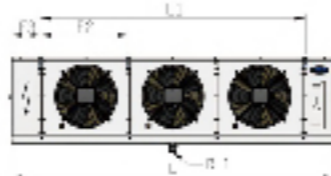
### Dimensions of SOLO



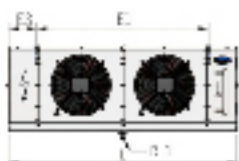
SOLO30 1438/1642  
1436/1638  
SOLO35 1442/1646  
1430/1634



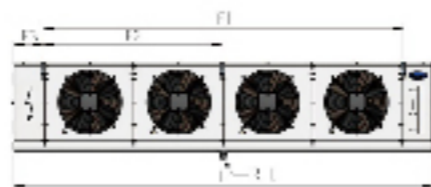
SOLO30 1748/1952  
1746/1948  
SOLO35 1752/1956  
1740/1950



SOLO30 2448/2652  
2446/2648  
SOLO35 2452/2656  
2440/2650



SOLO30 3448/3652  
3446/3648  
SOLO35 3452/3656  
3440/3650



### Performance Parameters (SOLO 30)

Type SOLO	Model SOLO	Cooling Capacity R404A				Connection				Fan 50 Hz						
		SC2		SC3		SC2		SC3		Rotation Speed	Input Power	Input Current	Power Supply			
		Heat Transfer Temperature Difference 8K	Heat Transfer Temperature Difference 7K	Evaporating Temperature -25°C	Evaporating Temperature -25°C	Inlet Dimension	Outlet Dimension	Inlet Dimension	Outlet Dimension							
		KW	KW	dm <sup>3</sup>	m <sup>2</sup>	m <sup>3</sup> /h	m	dB(A)	Inch	Inch	Inch	Inch	min <sup>-1</sup>	W	A	V
30/35 1M	30 1 4 4 B	2.15	1.8	2	7.1	1421	8	57	1/2"	5/8"	1/2"	5/8"	1363	65	0.29	230V-1
	30 1 6 4 B	2.87	1.99	3	10.8	1324	5	57	1/2"	5/8"	1/2"	5/8"	1359	89	0.29	230V-1
	30 1 4 6 B	1.88	1.44	2	5.1	1490	7	57	1/2"	5/8"	1/2"	5/8"	1367	64	0.28	230V-1
	30 1 6 6 B	2.4	1.88	3	7.9	1386	6	57	1/2"	5/8"	1/2"	5/8"	1361	66	0.29	230V-1
30/35 2M	30 2 4 4 B	4.56	3.46	3.9	14.7	2842	8	60	1/2"	5/8"	1/2"	7/8"	1363	130	0.57	230V-1
	30 2 6 4 B	5.21	4.12	5.8	22.1	2647	7	60	1/2"	7/8"	1/2"	7/8"	1359	137	0.59	230V-1
	30 2 4 6 B	3.85	3.04	3.9	11	2979	9	60	1/2"	5/8"	1/2"	5/8"	1367	129	0.57	230V-1
	30 2 6 6 B	4.93	3.87	5.8	16.5	3731	8	60	1/2"	5/8"	1/2"	5/8"	1361	132	0.58	230V-1
30/35 3M	30 3 4 4 B	6.87	5.13	5.8	22.3	4263	9	62	1/2"	7/8"	1/2"	7/8"	1363	198	0.86	230V-1
	30 3 6 4 B	7.84	6.01	8.6	33.5	3971	8	62	1 1/8"	7/8"	1 1/8"	1 1/8"	1359	208	0.88	230V-1
	30 3 4 6 B	5.92	4.63	5.8	16.7	4469	10	62	1/2"	7/8"	1/2"	7/8"	1367	193	0.85	230V-1
	30 3 6 6 B	7.22	5.68	8.6	25.1	4097	9	62	1/2"	7/8"	1 1/8"	1 1/8"	1361	198	0.87	230V-1
30/35 4M	30 4 4 4 B	8.92	6.59	7.8	30	5894	9	63	1/2"	7/8"	1 1/8"	1 1/8"	1363	261	1.15	230V-1
	30 4 6 4 B	10.78	8.12	11.4	44.9	5295	8	63	1 1/8"	1 1/8"	1 1/8"	1 1/8"	1359	274	1.17	230V-1
	30 4 4 6 B	7.76	5.94	7.8	22.4	5959	10	63	1/2"	7/8"	1 1/8"	1 1/8"	1367	257	1.14	230V-1
	30 4 6 6 B	9.72	7.7	11.4	33.8	5462	9	63	1 1/8"	7/8"	1 1/8"	1 1/8"	1361	264	1.16	230V-1

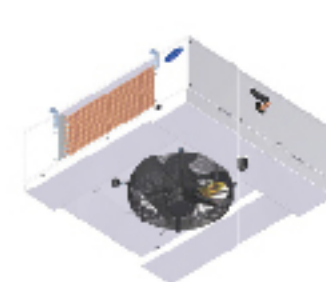
Model	External Dimension									Electric Defrosting 230V-1			Weight Net Weight
	L	W1	W2	H1	H2	E1	E2	E3	A	Coil W	Water Pan W	Total kW	P kg
SOLO 30 144B	790	340	480	470	510	485	-	155	420	750	300	1.05	27
SOLO 30 164B	790	340	480	470	510	485	-	155	420	750	300	1.05	30
SOLO 30 148B	790	340	480	470	510	485	-	155	420	750	300	1.05	27
SOLO 30 168B	790	340	480	470	510	485	-	155	420	750	300	1.05	29
SOLO 30 244B	1285	340	480	470	510	950	-	155	420	2100	500	2.8	44
SOLO 30 264B	1285	340	480	470	510	950	-	155	420	2100	500	2.8	50
SOLO 30 248B	1285	340	480	470	510	950	-	155	420	2100	500	2.8	43
SOLO 30 268B	1285	340	480	470	510	950	-	155	420	2100	500	2.8	48
SOLO 30 344B	1730	340	480	470	510	1420	470	155	420	2850	700	3.55	65
SOLO 30 364B	1730	340	480	470	510	1420	470	155	420	2850	700	3.55	73
SOLO 30 348B	1730	340	480	470	510	1420	470	155	420	2850	700	3.55	63
SOLO 30 368B	1730	340	480	470	510	1420	470	155	420	2850	700	3.55	69
SOLO 30 444B	2195	340	480	470	510	1885	935	155	420	4800	900	5.7	92
SOLO 30 464B	2195	340	480	470	510	1885	935	155	420	4800	900	5.7	103
SOLO 30 448B	2195	340	480	470	510	1885	935	155	420	4800	900	5.7	89
SOLO 30 468B	2195	340	480	470	510	1885	935	155	420	4800	900	5.7	98

## Performance Parameters ( SOLO 35 )

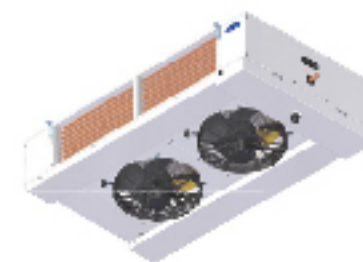
Model SOLO	Cooling Capacity R404A		Connection						Fan 50 Hz													
	SC2	SC3	SC2		SC3																	
Type SOLO	Fan Dimension (mm)	Number of Modules	Coil Rows	Fin Distance	Coil Code	Heat Transfer Temperature Difference BK	Evaporating Temperature -5°C	Heat Transfer Temperature Difference 7K	Evaporating Temperature -25°C	Pipe Line Volume	Heat Exchange Area	Air Volume	Air Throw	Sound Pressure	Inlet Dimension	Outlet Dimension	Inlet Dimension	Outlet Dimension	Rotation Speed	Input Power	Input Current	Power Supply
						kW	kW	dm <sup>3</sup>	m <sup>2</sup>	m <sup>3</sup> /h	m	dB(A)	Inch	Inch	Inch	Inch	mm/r <sup>2</sup>	W	A	V		
30'35 1M	35	1	4	4	C	3.22	2.38	2.5	8.9	2325	6	63	1/2"	5/8"	1/2"	5/8"	1336	157	0.69	230V-1		
	35	1	6	4	C	4	3.01	3.8	13.4	2223	6	63	1/2"	5/8"	1/2"	7/8"	1321	168	0.73	230V-1		
	35	1	4	6	C	2.85	2.12	2.5	6.7	2555	6.5	63	1/2"	5/8"	1/2"	5/8"	1337	158	0.7	230V-1		
	35	1	6	6	C	3.68	2.72	3.8	10	2440	6.5	63	1/2"	5/8"	1/2"	5/8"	1320	167	0.74	230V-1		
30'35 2M	35	2	4	4	C	6.38	4.76	4.8	18.4	4651	8	68	1/2"	7/8"	1/2"	7/8"	1336	315	1.38	230V-1		
	35	2	6	4	C	7.94	5.9	7.2	27.6	4447	8	68	1/2"	7/8"	1/2"	1 1/8"	1321	331	1.46	230V-1		
	35	2	4	6	C	5.55	4.14	4.8	13.7	5110	8.5	68	1/2"	7/8"	1/2"	7/8"	1337	316	1.4	230V-1		
	35	2	6	6	C	7.39	5.5	7.2	20.6	4890	8.5	68	1/2"	7/8"	1/2"	7/8"	1320	333	1.48	230V-1		
30'35 3M	35	3	4	4	C	9.72	7.28	7.2	27.9	6976	9	68	1 1/8"	7/8"	1 1/8"	1 1/8"	1336	472	2.07	230V-1		
	35	3	6	4	C	11.75	8.73	10.8	41.9	6670	9	68	1 1/8"	1 1/8"	1 1/8"	1 1/8"	1321	497	2.19	230V-1		
	35	3	4	6	C	8.62	6.4	7.2	20.9	7685	9.5	68	1 1/8"	7/8"	1 1/8"	1 1/8"	1337	475	2.1	230V-1		
	35	3	6	6	C	10.85	8.08	10.8	31.3	7321	9.5	68	1 1/8"	1 1/8"	1 1/8"	1 1/8"	1320	500	2.22	230V-1		
30'35 4M	35	4	4	4	C	12.85	9.4	9.5	37.4	9301	9	69	1 1/8"	1 1/8"	1 1/8"	1 1/8"	1336	630	2.76	230V-1		
	35	4	6	4	C	15.69	11.89	14.2	56.1	8894	9	69	1 1/8"	1 1/8"	1 1/8"	1 3/8"	1321	662	2.92	230V-1		
	35	4	4	6	C	11.46	8.47	9.5	29	10220	9.5	69	1 1/8"	1 1/8"	1 1/8"	1 1/8"	1337	633	2.8	230V-1		
	35	4	6	6	C	14.43	10.77	14.2	42	9761	9.5	69	1 1/8"	1 1/8"	1 1/8"	1 3/8"	1320	667	2.96	230V-1		

Model	External Dimension									Electric Defrosting 230V-1			Weight Net Weight
	L	W1	W2	H1	H2	E1	E2	E3	A	Coil W	Water Pan W	Total kW	P kg
SOLO 35 144C	840	340	480	520	580	535	-	155	420	1500	350	1.85	31
SOLO 35 184C	840	340	480	520	580	535	-	155	420	1500	350	1.85	34
SOLO 35 148C	840	340	480	520	580	535	-	155	420	1500	350	1.85	30
SOLO 35 188C	840	340	480	520	580	535	-	155	420	1500	350	1.85	32
SOLO 35 244C	1365	340	480	520	580	1050	-	155	420	2250	550	2.8	52
SOLO 35 284C	1365	340	480	520	580	1050	-	155	420	2250	550	2.8	59
SOLO 35 248C	1365	340	480	520	580	1050	-	155	420	2250	550	2.8	50
SOLO 35 288C	1365	340	480	520	580	1050	-	155	420	2250	550	2.8	55
SOLO 35 344C	1880	340	480	520	580	1570	520	155	420	3150	750	3.9	71
SOLO 35 384C	1880	340	480	520	580	1570	520	155	420	3150	750	3.9	83
SOLO 35 348C	1880	340	480	520	580	1570	520	155	420	3150	750	3.9	67
SOLO 35 388C	1880	340	480	520	580	1570	520	155	420	3150	750	3.9	78
SOLO 35 444C	2395	340	480	520	580	2085	1035	155	420	4200	950	5.15	92
SOLO 35 484C	2395	340	480	520	580	2085	1035	155	420	4200	950	5.15	108
SOLO 35 448C	2395	340	480	520	580	2085	1035	155	420	4200	950	5.15	88
SOLO 35 488C	2395	340	480	520	580	2085	1035	155	420	4200	950	5.15	100

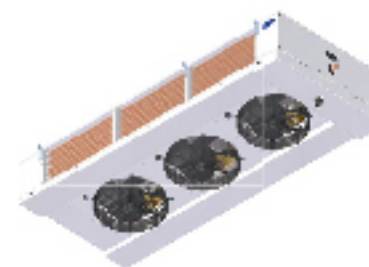
## Models of DUO



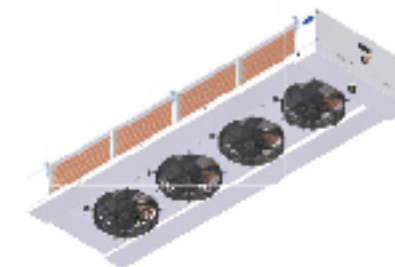
DUO 30/35 1M



DUO 30/35 2M



DUO 30/35 3M



DUO 30/35 4M

## Dimensions of DUO

