

To provide the most reliable and user-friendly air movement & control and air conditioning service.

Due to continuing research, Shanghai Nautilus reserves the right to change specifications without notice.

SHANGHAI NAUTILUS GENERAL EQUIPMENT MANUFACTURING CO LTD

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- Max volume: 40,000 M³/H, Max static pressure: 1000Pa
- “Wind-surfer” Aluminum backward inclined centrifugal wheel
- G2.5 Balancing
- Fully welded casing, suitable for contaminated air
- Compact, space-saving housing design
- Suitable for all outdoor weather conditions

Formula Series Principle Product

G2.5



Company Profile

Shanghai Nautilus General Equipment Manufacturing Co., Ltd. is a middle and high-end solution provider of air supply and gas heating and air cleaning equipment that integrates R&D, production and sales. Established in September, 2003, it is located in the Jiading District of Shanghai. The company is the member of the US Green Building Council (USGBC) and International Air Movement and Control Association (AMCA), the high and new tech enterprise of Shanghai, **INFINAIR®** won the famous trademark in Shanghai.

Vision statement: To become the most trustworthy brand of professional air movement & control and air conditioning.
Mission statement: To provide the most reliable and user-friendly air movement & control and air conditioning service.



Shanghai Nautilus General Equipment Manufacturing Co Ltd certifies that the Model CUS shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.



Effect of the 3rd generation Wind-Surfer^{III} wheel series

✓ Effect of the 3rd generation Wind-Surfer wheel series

- Excellent aerodynamic characteristics and noise characteristics
- High-efficient area width without overloading
- Balance quality grade up to G2.5 (Typical products are balanced to G6.3 only)

✓ Air performance design

- Optimized design of CFD flow field simulation, repeatedly validated
- Front disc and inlet venture tube according with flow field characteristic
- Flow passage control: matched each other to restrain the air flow better
- Optimize the blade angles

✓ Structure performance design

- Stress analysis of FEA to Improve performance
- Selected the strengthen structure according to different specifications to improve reliability
- Using riveting technology to avoid stress



✓ Advanced process

- Inlet venture tube & Front disc: spun process to ensure streamlines aerodynamic characteristics
- Inlet venture tube: replace bell mouth to ensure smooth air flow
- Blades: once punch forming to ensure process quality
- Tooling: dedicated fixture to ensure precise install of the blades

✓ Improved wheel

- Continues improvement: The wheel has the 3rd generation
- Compared with the 2nd generation: Performance increased by 5-10%in the same parameters
- Compared with the 2nd generation: Noise reduced 2-3 dB(A) in the same parameters

Product Feature

✓ Wide performance range

- Wheel diameter: 300 ~ 1000mm
- Wide rotation speed range, easy to select
- Pulley can be adjusted turns or replaced, motor is replaceable: fine tune fan performance range easily

✓ Housing can be rotated at jobsite

- Scroll is fixed by 8 housing bolts; housing can be rotated at jobsite within limited angle

✓ Spark B resistant construction

- Aluminum wheel & inlet
Natural explosion resistant
- AMCA standard: Spark B

✓ Continuously Welded Housing

- Continuously welded housing : rigid structure
- Suitable for wet or contaminated air compared with mechanical "Pittsburg" lock-seam housing
- Will not leak when liquid gathered inside the scroll
- Suitable for exhaust wet or grease contaminated air

✓ Easy maintenance

- Access doors are available on both sides of motor chamber
- One screw driver finishes all electrical and mechanical inspection: easily and quickly
- Standard scroll access door available

✓ Suitable for outdoor installation

- Optional weather cover: protect the whole drive
- Avoid sunshine, rain, snow directly impact on running parts
- Climate factor on durability and safety of the outdoor-installed fan is reduced

●✓ Compact profile

- Belt drive:AMCA arrangement 10 (motor is under the shaft)
Direct drive:AMCA arrangement 4
- Fan size reduced, expensive mechanical room space saved
- Belt length reduced and belt life extended
- The low center height of scroll leaves more space for duct installation

✓AMCA Seal: sound and air performance certified

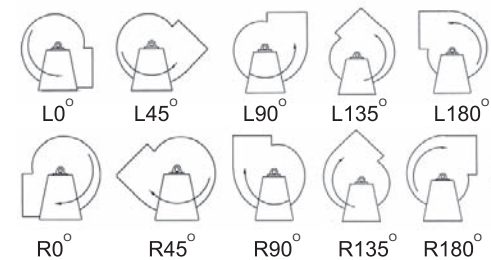
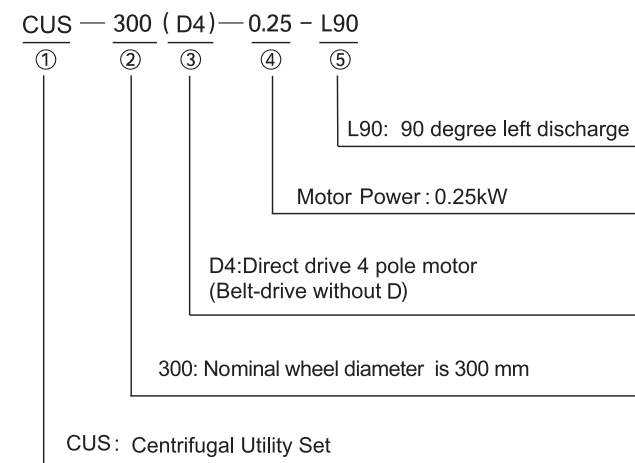
- The sound & air performance is AMCA Certified
- Sound & Air Performance Seal is applied to each fan



Optional Accesories

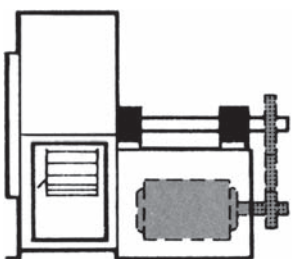
- Inlet/outlet safety screen
Metal safety screen can be installed either on inlet or outlet of the fan. The screen with rigid strength can prevent debris into the fan and duct. The density of the screen is also qualified for labor protection. Either inlet or outlet screen can be ordered separately.
- Weather hood
Standard belt drive CUS fans are equipped for indoor installation, which include a shaft/bearing cover as well as belt cover. When the fan is outdoor installed, weatherhood shall be selected to prevent motor, pulley & bearing from sunshine, rain and snow. Direct drive CUS shall be matched with motor weatherhood when the fan is outdoor installed.
- Drain
Located on the bottom of scroll to discharge contaminated substance such as condensed water, grease etc.
- Vibration isolators
Both rubber and spring vibration isolators are available. Isolators provided by INFINAIR are tested and inspected strictly, the performance is guaranteed.
- Inlet/Outlet Companion Flange
The companion flanges are attached to the ductwork to provide an exact mate to the flanged connection on the fan.
- Inlet/Outlet Flexible Duct Connector
Flexible Duct Connectors provide a flexible connection between the fan and the attached ductwork. This reduces the transmission of noise and vibration to the ductwork as well as allowing for slight misalignment.
- Extended lube lines (Apply to belt drive only)
Use extended lube lines for easy maintenance, avoiding removing bearing cover while oiling .

Naming convention



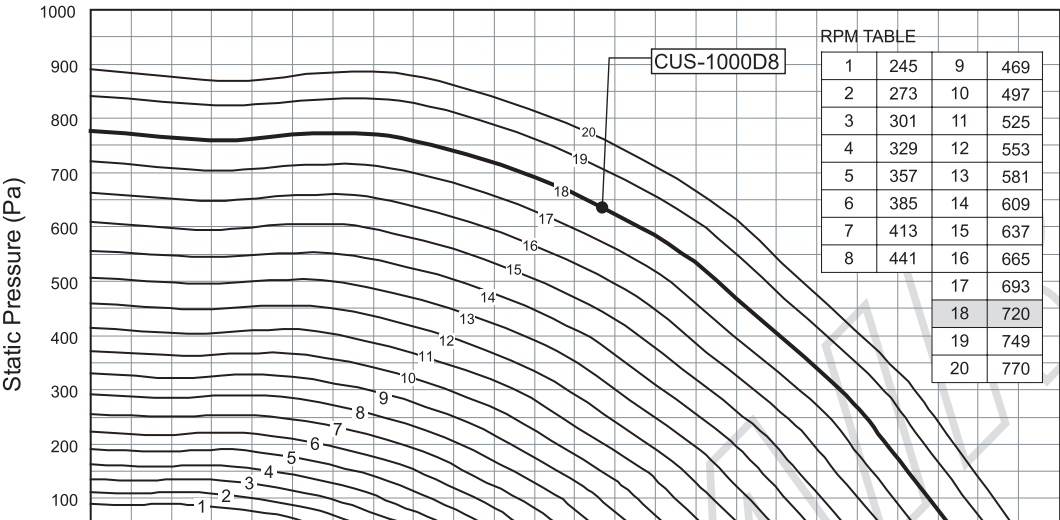
Dwg. No.		L0	L45	L90	L135	L180
GB	L	L 0°	L 45°	L 90°	L 135°	L 180°
EUROPE	LG	270	315	0	45	90
AMCA Standard	CCW	BH	BAU	UB	TAU	TH

Dwg.No.		R0	R45	R90	R135	R180
GB	(R)	R 0°	R 45°	R 90°	R 135°	R 180°
EUROPE	RD	270	315	0	45	90
AMCA Standard	CW	BH	BAU	UB	TAU	TH

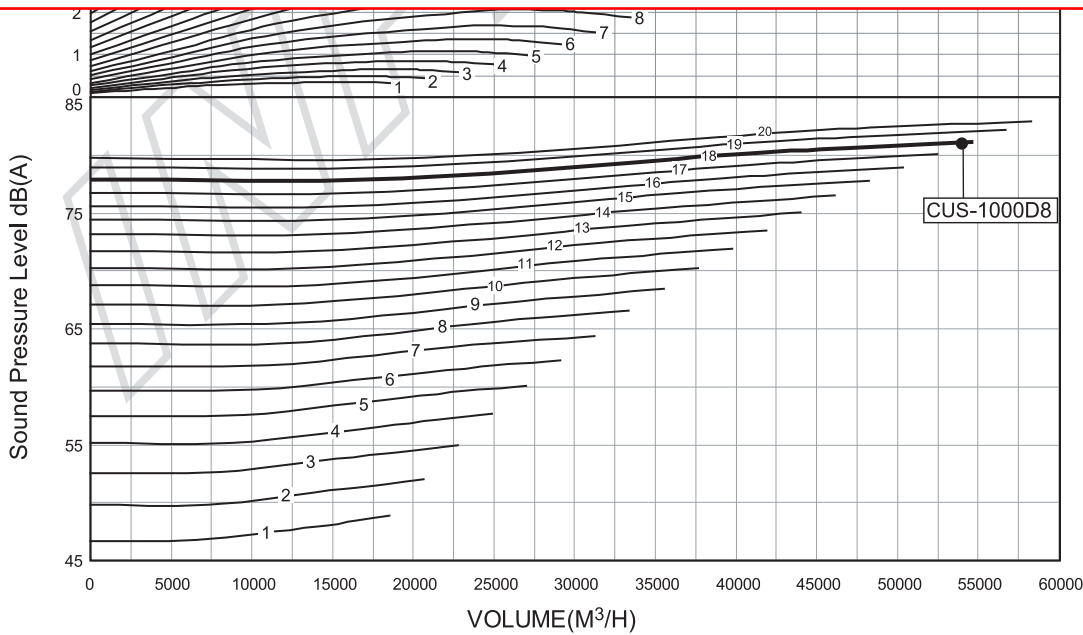


Note:
The rotation is identified from the view of motor side, INFINAIR® adopt Chinese National Standard. For example, a CUS-425-2.2 with CCW-BH(AMCA) rotation, or LG270(Europe), please name it as CUS-425-2.2-L0 as per above table.

Model: CUS-1000

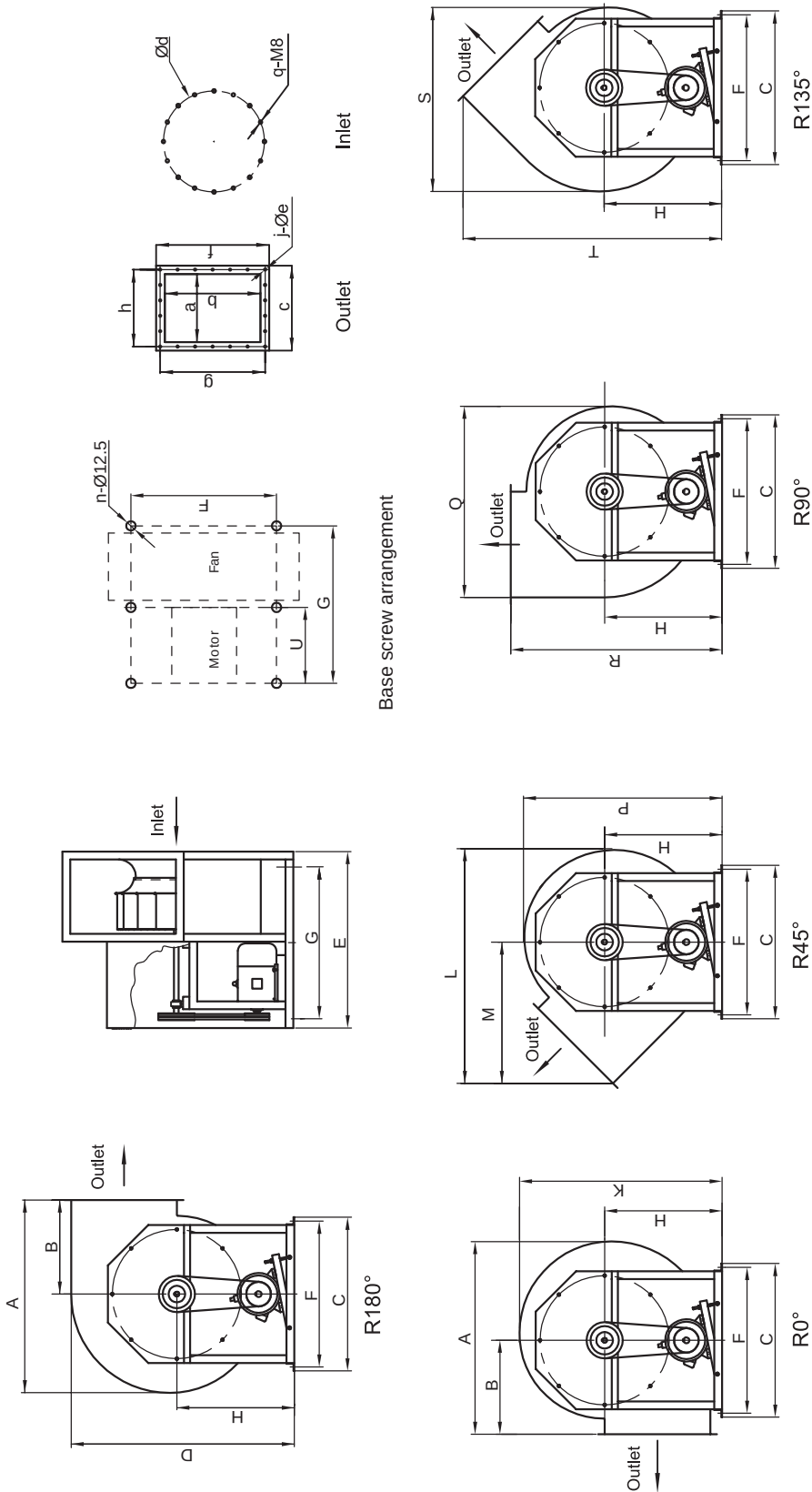


Due to the resolution of the graphs, please contact one of our sales representatives for high quality version if required. The email address is intservice@infinair.com.



Performance certified is for installation type B - free inlet, duct outlet. Power rating (kW) includes transmission losses. Speed (RPM or RPS) shown is nominal. Performance is based on actual speed of test. Values shown are for inlet LwA sound power levels for Installation Type B: Free inlet, duct outlet. The sound power level ratings shown are in decibels, referred to as 10⁻¹² watts, calculated per AMCA International Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Ratings do not include the effects of duct end correction. dB(A) A-weighted sound pressure level is based on 11.5 dB sound attenuation per octave band at 1.5 m. Note that dB(A) levels are not licensed by AMCA International.

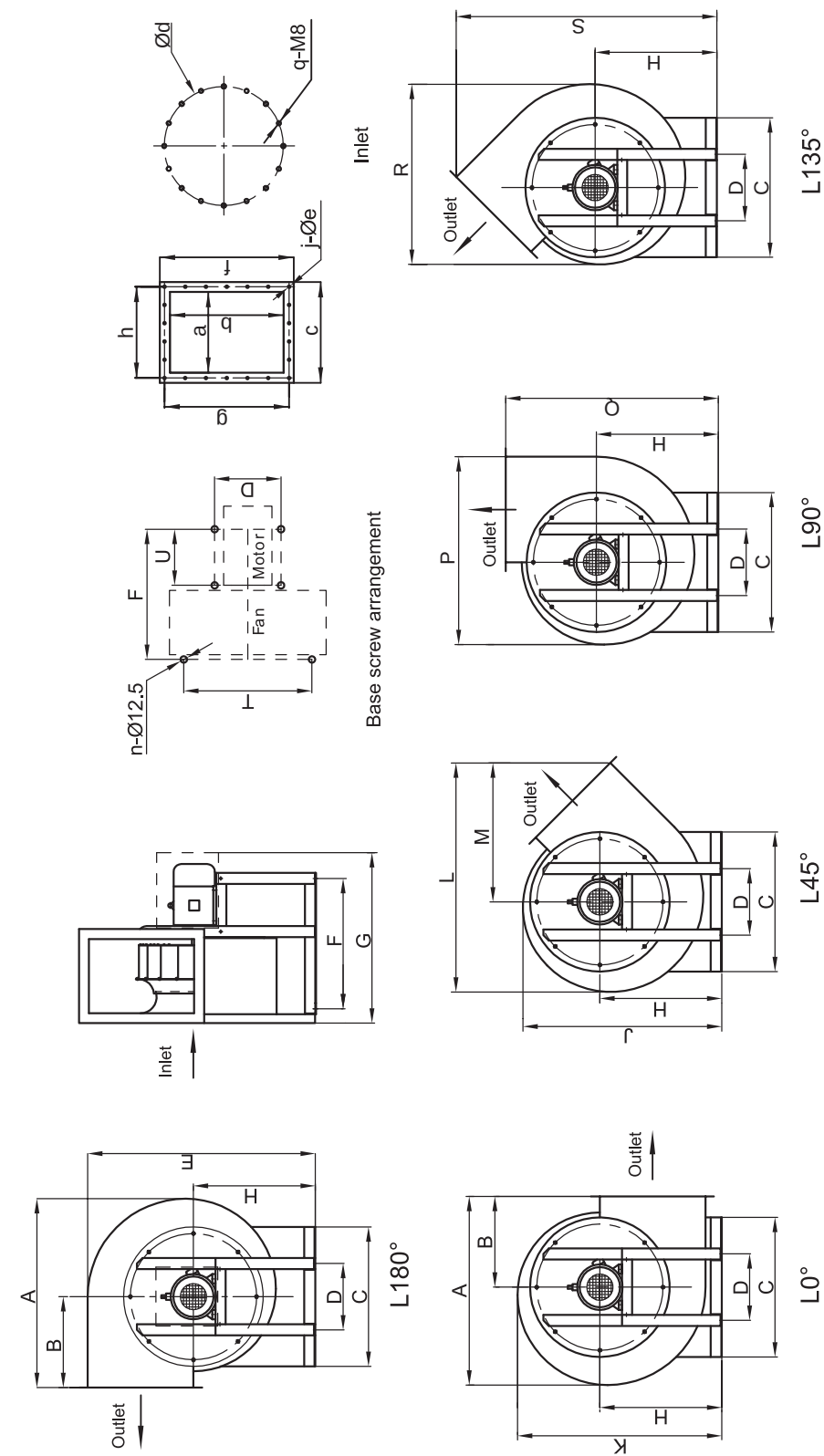
Belt drive



MODEL	A	B	C	D	E	F	G	H	K	L	M	P	Q	R	S	T	U	a	b	c	d	e	f	g	h	j	n	q	Kg
CUS-300	528	250	490	688	625	440	500	380	608	650	398	587	536	630	507	778	0	215	305	295	350	9	385	3x115	3x85	12	4	8	49
CUS-425	730	335	650	938	740	600	575	510	830	900	540	812	748	845	718	1050	0	300	428	380	495	9	505	4x117.5	3x115	14	4	8	76
CUS-500	850	410	730	1028	845	690	710	550	920	1035	628	898	848	960	815	1178	355	335	475	425	570	11	565	5x105	3x128.5	16	6	8	98
CUS-575	965	460	800	1158	900	750	725	615	1040	1168	708	1015	968	1075	930	1323	363	380	540	480	645	11	640	5x119	3x145	16	6	8	150
CUS-675	1102	525	910	1308	1010	860	825	690	1185	1344	808	1155	1113	1215	1070	1498	413	430	615	530	750	11	715	5x134	4x121.5	18	6	16	215
CUS750	1235	600	980	1430	1135	930	950	750	1296	1490	905	1266	1225	1350	1182	1655	475	475	675	575	825	11	775	5x145	5x105	20	6	16	315
CUS-900	1435	700	1130	1628	1208	1080	1000	850	1498	1737	1046	1468	1426	1550	1384	1896	500	545	775	645	975	11	875	6x137.5	5x119	22	6	16	440
CUS1000	1573	765	1230	1780	1368	1180	1125	925	1640	1905	1145	1608	1570	1690	1525	2070	563	595	850	695	1075	11	950	6x150	5x129	22	6	16	550

Note: The motor weight is not included in the above table.
Fan right rotation sizes are the same as left rotation sizes.

Direct drive



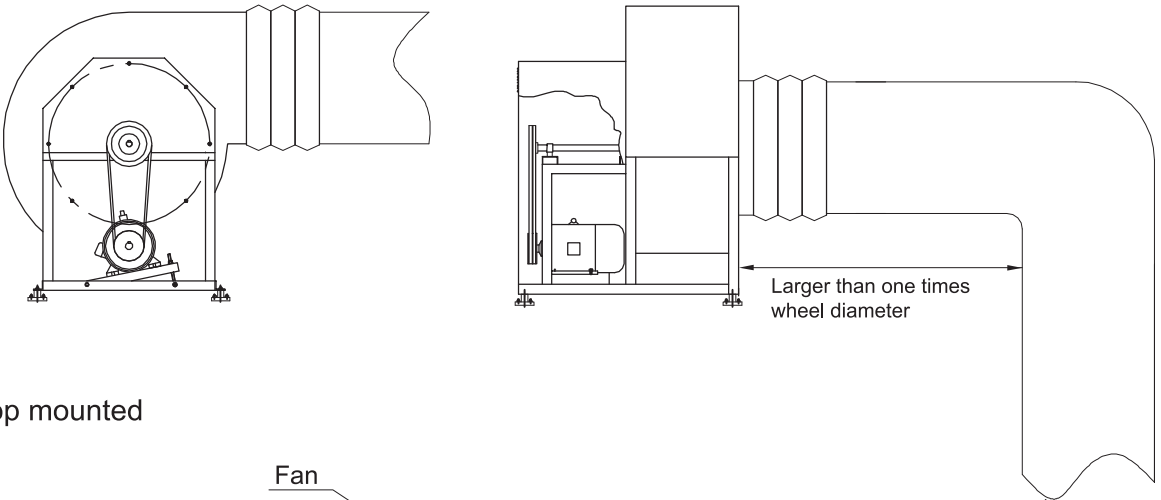
MODEL	A	B	C	D				E	F				G	H	J	K	L	M	P	Q	R	S	T	U		a	b	c	d	e	f	g	h	j	n	q	Kg
				2P	4P	6P	8P		2P	4P	6P	8P																									
CUS-300D	528	250	490	280	230	230	230	688	390	390	390	550	380	587	608	650	398	536	630	507	778	340	215	305	295	350	9	385	3x115	3x85	12	4	8	46			
CUS-425D	730	335	650	270	250	250	938	460	460	460	650	510	812	830	900	540	748	845	718	1050	500	300	428	380	495	9	505	4x117.5	3x115	14	4	8	72				
CUS-500D	850	410	730	300	270	250	1028	580	500	500	750	550	898	920	1035	628	848	960	815	1178	580	335	475	425	570	11	565	5x105	3x128.5	16	6	8	93				
CUS-575D	965	460	800	300	270	250	1158	570	570	570	800	615	1015	1040	1168	708	968	1075	930	1323	650	380	540	480	645	11	640	5x119	3x145	16	6	8	140				
CUS-675D	1102	525	910	380	380	380	1308	730	680	680	920	690	1155	1185	1344	808	1113	1215	1070	1498	750	270	220	430	615	530	750	11	715	5x134	4x121.5	18	6	16	205		
CUS-750D	1235	600	980	420	420	420	1430	800	760	1000	750	1266	1296	1490	905	1225	1350	1182	1655	800	300	260	475	675	575	825	11	775	5x145	5x105	20	6	16	300			
CUS-900D	1435	700	1130	490	490	490	1628	950	1150	850	1468	1498	1737	1046	1426	1550	1384	1896	975	370	545	775	645	975	11	875	6x137.5	5x119	22	6	16	418					
CUS-1000D	1573	765	1230	520	1780	520	1780	1075	1300	925	1608	1640	1905	1145	1570	1690	1525	2070	1075	450	595	850	695	1075	11	950	6x150	5x129	22	6	16	525					

Note: The motor weight is not included in the above table.
Fan right rotation sizes are the same as left rotation sizes.

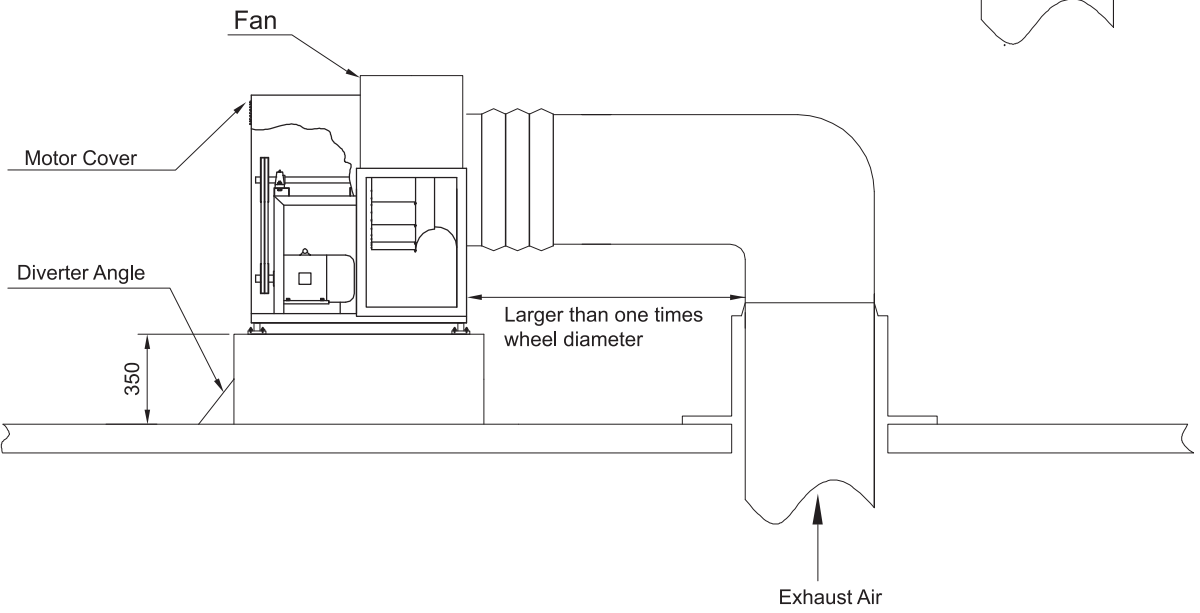
Installation guidelines

Infinair CUS series fans are suitable for supply, exhaust and return air application. Tests were conducted to assure safe and reliable fans capable of withstanding severe conditions. CUS series fans are designed for application ranging from clean air to contaminated air.

Floor mounted



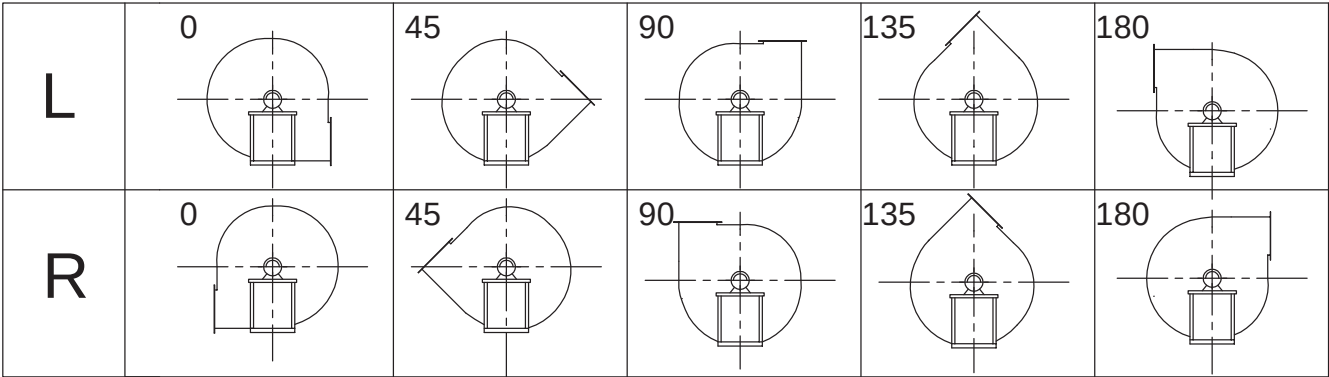
Roof top mounted



CUS series fans are designed to meet restaurant, hotel kitchen grease. Fans shall be checked & cleaned before installation to ensure wheels rotate freely. Ventilations shall not interfere with each other. For easy maintenance a reasonable space shall be left for disassembling & replacing wheels & bearings. Outdoor installed fans shall have weatherhood to make electrical equipment weather-protected.

Sound Data

Optional discharge



The rotation is identified from the view of motor side. The fan rotation must be specified before ordering; otherwise the fan is difficult to be installed if the discharge direction is inconsistent with the design.

Motor weight table

Power (kW)	Motor Weight (kg)			
	2P	4P	6P	8P
0.18	14	13.5	14	16
0.25	14.5	14	14.5	17
0.37	15	14.5	16	24
0.55	15.5	15	17	28
0.75	15	16	22	30
1.1	16	21	24	32
1.5	21	23	32	40
2.2	24	33	41	64
3	33	35	63	78
4	41	41	72	105
5.5	63	65	81	115
7.5	70	76	118	145
11	110	118	145	160

CUS-300

RPM	VOLUME	Ps	SOUND POWER								LwIA	dB(A)
			OCTAVE BANDS									
			1	2	3	4	5	6	7	8		
802	0	87	59	54	54	53	48	46	39	32	54	42
	580	85	59	55	54	53	48	46	39	32	54	42
	1242	48	59	57	57	56	50	46	39	32	57	45
	1639	0	62	61	58	56	51	47	41	34	57	45
902	0	110	63	57	57	57	51	49	43	36	58	46
	650	108	63	57	57	57	51	49	43	36	58	46
	1397	61	63	59	60	60	53	50	43	36	60	48
	1840	0	63	67	64	58	55	50	45	38	61	49
960	0	124	64	59	60	59	53	51	45	38	60	48
	694	122	64	60	60	59	53	51	45	38	60	48
	1486	69	65	62	63	61	55	51	45	38	62	50
	1961	0	65	69	66	60	57	52	47	40	63	51
1102	0	164	67	65	65	62	57	54	49	42	64	52
	796	161	67	65	65	62	57	54	49	42	64	52
	1706	91	68	67	68	65	60	55	49	42	66	54
	2250	0	69	73	71	64	61	55	51	44	67	55
1202	0	195	69	68	68	64	60	56	52	45	66	54
	887	192	69	68	68	65	60	56	52	45	66	54
	1861	109	70	70	71	67	63	57	52	45	69	57
	2456	0	72	75	74	67	64	58	54	47	70	58
1302	0	229										
	941	225										
	2016	127	72	72	73	70	65	60	54	47	71	59
	2660	0	74	77	76	69	66	60	56	49	72	60
1402	0	265	72	74	71	68	65	60	57	50	71	59
	1013	261	72	74	72	69	65	60	57	50	71	59

CUS-425

RPM	VOLUME	Ps	SOUND POWER								LwIA	dB(A)
			OCTAVE BANDS									
			1	2	3	4	5	6	7	8		
680	3950	0	71	70	65	63	57	53	46	39	64	52
	2994	70	67	67	65	62	56	51	44	37	63	51
	1397	123	66	65	62	59	55	51	44	37	61	49
	0	125	66	65	62	59	55	51	44	37	61	49
720	4183	0	73	71	67	64	58	55	48	41	66	54
	3170	78	69	68	66	64	58	53	46	39	65	53
	1479	138	68	66	64	61	56	53	46	39	63	51
	0	141	68	66	63	61	56	53	46	39	63	51
784	4554	0	75	72	69	67	61	58	51	44	68	56
	3451	93	72	70	69	67	60	56	49	42	67	55
	1611	164	71	67	66	64	58	56	49	42	65	53
	0	167	71	67	66	64	58	56	49	42	65	53
836	4856	0	76	76	72	68	63	59	53	46	70	58
	3680	105	74	71	70	69	62	58	51	44	69	57
	1717	186	74	68	67	66	60	58	51	44	67	55
	0	189	74	68	67	66	60	58	51	44	67	55
888	5158	0	76	80	75	69	66	60	55	48	72	60
	3909	119	76	72	72	71	64	60	53	46	71	59
	1824	210	76	70	69	68	61	60	53	46	69	57
	0	214	76	69	69	68	61	60	53	46	69	57
960	5577	0	79	82	78	71	68	62	57	50	75	63
								62	55	48	73	61
	1972	246	78	73	72	70	64	62	55	48	71	59
	0	250	78	72	72	70	64	62	55	48	71	59
992	5763	0	79	83	79	72	69	63	58	51	76	64
	4367	148	79	76	76	74	67	63	56	49	74	62

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1902	0											
	1374	480	78	85	79	77	75					
	2945	272	81	85	81	80	77					
	3886	0	81	85	88	83	76					
2002	0	541	79	86	80	79	76	70	67	61	81	69
	1447	532	79	86	81	79	76	70	67	61	81	69
	3100	301	82	86	83	82	79	72	68	61	83	71
	4090	0	82	87	89	85	77	74	68	63	86	74
2102	0	597	80	87	82	81	77	71	68	63	83	71
	1519	587	80	87	82	81	77	71	68	63	83	71
	3255	332	83	87	84	84	80	74	69	63	85	73
	4295	0	83	88	91	87	79	75	69	65	88	76
2202	0	655	80	87	84	83	78	73	69	64	84	72
	1591	644	80	87	84	83	78	73	69	64	84	72
	3410	364	83	88	86	86	81	75	70	64	87	75
	4499	0	84	90	92	89	80	77	71	66	89	77
2302	0	716	81	88	86	84	79	74	70	66	85	73
	1663	704	81	88	86	85	80	74	71	66	86	74
	3564	398	84	89	87	87	82	77	71	66	88	76
	4703	0	85	91	93	90	82	78	72	67	90	78
2402	0	779	82	89	88	86	81	76	71	67	87	75
	1736	766	82	89	88	86	81	76	72	67	87	75
	3719	434	85	91	89	89	84	78	73	67	89	77
	4908	0	85	92	94	92	83	79	73	69	92	80
2502	0	845	83	90	89	88	82	77	72	68	88	76
	1808	831	83	90	89	88	82	77	73	68	88	76
	3874	470	86	92	90	90	85	80	74	68	91	79
	5112	0	86	93	95	93	84	81	74	70	93	81
2652	0	950	84	91	91	89	83	79	74	70	90	78
	1916	934	84	91	91	89	83	79	74	70	90	78
	4106	528	87	93	92	91	86	82	75	70	92	80
	5419	0	87	95	97	94	86	82	76	72	94	82
2900	0	1136	85	93	95	90	86	82	76	73	92	80
	2095	1117	85	93	95	90	86	82	76	73	92	80
	4490	632	88	95	96	93	89	85	78	73	94	82
	5925	0	89	98	99	96	89	85	78	75	96	84

												83	71
					84	80	75	69	64	57	81	69	
					82	77	72	68	64	57	79	67	
					82	77	72	68	64	57	79	67	
1304	7575	0	88	90	88	81	77	71	67	60	84	72	
	5741	256	85	85	85	81	76	70	65	58	83	71	
	2679	453	84	84	83	78	74	69	65	58	80	68	
	0	461	84	84	82	78	74	69	65	58	80	68	
1356	7877	0	89	91	89	82	78	72	68	61	85	73	
	5970	277	86	87	86	82	78	71	66	59	84	72	
	2786	490	85	86	83	79	75	70	66	59	81	69	
	0	498	85	86	83	79	75	70	66	59	81	69	
1408	8179	0	90	92	89	83	79	73	69	62	86	74	
	6198	299	87	88	86	83	79	73	68	60	85	73	
	2893	528	85	87	84	80	76	71	68	61	82	70	
	0	537	85	87	84	80	76	71	68	61	82	70	
1450	8423	0	91	93	90	84	80	74	70	63	87	75	
	6383	317	88	89	87	84	80	73	68	61	85	73	
	2719	560	86	89	84	81	77	72	68	61	83	71	
	0	570	86	88	84	81	77	71	68	61	83	71	
1512	8783	0	92	94	91	85	81	75	72	65	88	76	
	6656	345	89	91	88	85	81	74	70	63	87	75	
	3106	609	87	90	85	82	78	73	70	63	84	72	
	0	620	87	90	85	82	78	72	70	63	84	72	
1564	9085	0	93	95	91	86	82	76	73	66	89	77	
	6885	369	90	92	88	86	82	75	71	64	87	75	
	3213	652	87	91	86	83	80	73	71	64	85	73	
	0	663	87	91	86	83	79	73	71	64	85	73	
1616	9388	0	93	95	93	88	83	77	73	67	90	78	
	7114	394	91	93	89	87	83	76	72	65	88	76	
	3320	696	88	93	86	84	81	74	72	65	86	74	
	0	708	88	93	86	84	81	74	72	65	86	74	
1663	9661	0	93	95	95	89	83	78	74	68	91	79	
	7321	417	91	94	89	87	84	77	73	66	89	77	
	3417	737	89	94	87	84	82	75	73	66	87	75	
	0	750	89	94	87	84	81	75	73	66	87	75	

Sound Data

CUS-900

RPM	VOLUME	Ps	SOUND POWER OCTAVE BANDS								LwIA	dB(A)
			1	2	3	4	5	6	7	8		
			1	2	3	4	5	6	7	8		
270	14895	0	71	66	64	58	54	47	40	33	60	48
	11288	49	68	67	62	58	52	45	38	31	59	47
	5268	87	66	64	60	57	52	45	38	31	58	46
	0	89	66	64	60	57	52	45	38	31	58	46
299	16495	0	75	69	67	61	57	50	43	36	63	51
	12500	60	72	70	66	61	55	48	41	34	63	51
	5833	107	70	67	63	59	55	48	41	34	61	49
	0	109	69	67	63	59	55	48	41	34	61	49
328	18094	0	78	72	69	64	60	53	46	39	66	54
	13713	73	75	72	69	63	58	51	44	37	65	53
	6399	129	72	69	66	62	58	51	44	37	64	52
	0	131	72	69	66	62	58	51	44	37	64	52
357	19694	0	79	74	72	66	62	55	48	41	69	57
	14925	86	76	74	71	65	61	54	47	40	68	56
	6965	152	74	71	69	64	61	54	47	40	66	54
	0	155	74	71	69	64	61	54	47	40	66	54
386	21294	0	80	77	74	68	65	58	51	44	71	59
	16137	101	77	76	74	68	63	56	49	42	70	58
	7531	178	75	73	71	66	63	56	49	42	69	57
	0	181	75	73	71	66	63	56	49	42	68	56
415	22894	0	84	80	76	71	67	60	53	46	73	61
	17350	116	79	78	76	70	65	58	51	44	72	60
	8097	206	76	75	74	67	65	58	51	44	71	59
	0	209	76	75	74	67	65	58	51	44	71	59
444	24494	0	88	83	77	74	68	62	55	48	75	63
	18562	133	80	80	79							
	8662	236	78	77	76	69	67	61	54	47	73	61
	0	240	77	77	76	69	67	61	54	47	73	61

CUS-1000

RPM	VOLUME	Ps	SOUND POWER OCTAVE BANDS								LwIA	dB(A)
			1	2	3	4	5	6	7	8		
			1	2	3	4	5	6	7	8		
245	18540	0	72	67	64	59	54	47	40	33	61	49
	14050	50	69	68	62	58	52	45	38	31	60	48
	6557	89	66	65	60	58	52	45	38	31	59	47
	0	90	66	65	60	58	52	45	38	31	59	47
273	20659	0	76	70	67	62	57	50	43	36	64	52
	15656	62	73	71	66	61	55	48	41	34	63	51
	7306	110	70	68	63	61	55	48	41	34	62	50
	0	112	70	68	63	61	55	48	41	34	62	50
301	22778	0	79	73	70	64	60	53	46	39	67	55
	17262	76	76	73	69	64	58	51	44	37	66	54
	8055	134	74	71	67	63	58	51	44	37	65	53
	0	136	74	70	66	63	58	51	44	37	65	53
329	24897	0	81	76	73	67	63	56	49	42	70	58
	18867	90	79	76	72	66	61	54	47	40	69	57
	8805	160	76	73	69	65	61	54	47	40	67	55
	0	162	76	73	69	65	61	54	47	40	67	55
357	27015	0	83	78	75	69	66	59	52	45	72	60
	20473	106	80	78	75	69	64	57	50	43	71	59
	9554	188	78	75	72	67	64	57	50	43	70	58
	0	191	77	75	72	67	64	57	50	43	69	57
385	29134	0	84	80	77	71	68	61	54	47	74	62
	22079	124	81	80	77	71	66	59	52	45	73	61
	10303	219	79	77	75	69	66	59	52	45	72	60
	0	222	79	77	74	69	66	59	52	45	72	60
	31253	0	87	84	79	74	70	63	56	49	76	64
	11053	252	80	79	77	71	68	62	54	47	74	62
	0	256	80	79	77	70	68	62	55	47	74	62

Due to the resolution of the graphs, please contact one of our sales representatives for high quality version if required. The email address is intservice@infinair.com.

589	24895	258	30	30	28							
	11491	415	88	88	83							
	0	422	88	88	83							
	34093	0	97	95	87							
618	25836	258	92	92	87							
	12057	456	90	90	84							
	0	464	90	89	84							
	35692	0	98	96	88							
647	27049	283	93	93	89	84	78	73	66	59	86	74
	12623	500	92	91	86	81	77	73	66	59	84	72
	0	509	92	90	86	81	76	73	66	59	84	72
	37292	0	99	97	90	86	80	76	69	62	88	76
676	28261	309	95	94	90	85	79	74	67	60	87	75
	13189	546	94	91	87	83	78	74	67	60	85	73
	0	555	94	91	87	83	78	74	67	60	85	73
	38892	0	100	97	91	87	81	77	70	63	89	77
705	29474	336	96	95	91	87	80	75	68	61	88	76
	13754	594	95	92	88	84	79	75	68	61	86	74
	0	604	95	92	88	84	79	75	68	61	86	74
	39719	0	101	98	92	88	81	78	71	64	90	78
720	30101	351	97	95	91	88	81	76	69	62	89	77
	14047	620	96	92	88	85	79	76	69	62	87	75
	0	630	96	92	88	85	79	76	69	62	86	74
	42092	0	102	99	93	90	83	80	73	66	91	79
763	31898	394	99	96	93	89	82	78	71	64	90	78
	14886	696	99	93	90	87	80	78	71	64	88	76
	0	708	98	93	90	87	80	78	71	64	88	76
	43691	0	103	100	95	91	84	81	74	67	92	80
792	33111	424	100	97	94	91	83	79	72	65	92	80
	15452	750	100	94	91	88	81	79	72	65	89	77
	0	762	100	94	91	88	81	79	72	65	89	77
	44905	0	104	102	96	91	85	81	75	68	93	81
814	34030	448	101	97	95	92	84	80	73	66	92	80
	15881	792	101	95	92	89	82	80	73	66	90	78
	0	805	101	94	92	89	82	80	73	66	90	78

											64	57	82	70
											64	57	82	70
											67	60	87	75
											65	58	86	74
											65	58	84	72
609											65	58	84	72
											69	62	88	76
	34925	310	95	95	90	85	79	74	67	60	87	75		
	16298	547	94	93	87	83	78	74	67	60	85	73		
	0	557	94	93	87	83	78	74	67	60	85	73		
637	48204	0	101	99	91	88	81	77	70	63	90	78		
	36530	339	97	96	91	87	81	75	68	61	89	77		
	17048	599	95	94	89	84	79	75	68	61	87	75		
665	0	609	95	94	89	84	79	75	68	61	86	74		
	50323	0	102	100	92	89	82	79	71	64	91	79		
	38136	369	98	97	93	88	82	77	70	63	90	78		
	17797	653	97	95	90	85	80	77	70	63	88	76		
	0	664	97	95	90	85	80	77	70	63	88	76		
693	52442	0	104	101	94	90	83	80	73	66	92	80		
	39742	401	99	98	94	90	83	78	71	64	91	79		
	18546	709	99	95	91	87	81	78	71	64	89	77		
	0	721	99	95	91	87	81	78	71	64	89	77		
720	54561	0	105	101	95	91	85	81	74	67	93	81		
	41348	434	101	99	95	91	84	79	72	65	92	80		
	19296	767	100	96	92	88	82	79	72	65	90	78		
	0	780	100	96	92	88	82	79	72	65	90	78		
749	56679	0	106	102	96	92	86	82	75	68	94	82		
	42953	468	102	99	96	92	85	80	73	66	93	81		
	20045	828	102	97	93	89	83	80	73	66	91	79		
	0	842	102	97	93	89	83	80	73	66	91	79		
770	58269	0	106	103	97	93	86	83	76	69	95	83		
	44158	495	103	100	96	93	86	81	74	67	94	82		
	20607	875	103	97	94	90	84	81	74	67	92	80		
	0	890	103	97	93	90	84	81	74	67	92	80		

Section 5: Motor

Motor shall be carefully matched to the fan load, IP 54, and insulation class F. The motor bearings shall be re-lubricable ball type. Motor and drives shall be mounted on vibration isolators, and out of the air stream to avoid grease or dirt accumulation.

Section 6: Structure

The fan shall be AMCA standard spark B construction. The wheel and inlet shall be aluminum.
Access door: an access door must be provided to remove possible debris inside of the scroll.
Installation: the fan shall be installed on a stable level platform via vibration isolators. Any pre-embedded fixing devices shall not be required.

Section 7: Nameplate

Permanently fixed aluminum nameplate shall be fixed on fan body clearly display fan mark, product model and serial number. The serial number shall be a unique ID for each fan, so that the customer can use this number to find out the parts used to build this fan.

Section 8: Acceptable manufacturers

Acceptable manufacturers: INFINAIR or equivalent. Design based on INFINAIR model CUS.

Introduction of United States Green Building Committee

What is USGBC?
USGBC is widely known as the United States Green Building Council, the only non-profit (NPO) institution on behalf of the environmental protection construction in the whole construction industry. Its members are made up of leading enterprises from various sectors. Its purpose is to integrate the construction industry agencies, promote sustainable development of green building and construction, guide market mechanism of green building, promote and educate building owners, architects green practice.

What is LEED certificate?
United States Green Building Committee (USGBC) established a set of voluntary national standards LEED (Leadership in Energy and Environmental Design) in 1995. The system is applied to develop sustainable construction of high performance for green building ratings. The entire project includes training, professional recognition, resources support, the third-party certification of construction performance.

Certification Value of LEED
LEED is a rating system certified by third party, maintaining a high degree of authority on technology and management. LEED certification system is a kind of in-depth quantitative analysis based on such as ASHRAE (American Society of Heating Air Conditioning Engineers) standard, which makes design and construction production process tend to be more controllable and practical. That increases green buildings' reputation in the local market and gain excellent valuation of property quality, thus promoting market transition and forming a virtuous circle.

All evaluation indicators in subsystems of LEED have requirements on assessment of air quality indoors. As a member of USGBC, our ventilation equipments provide better solution to the problem of air ventilation indoors. INFINAIR promises you the followings: Improve air quality, provide the overall indoor air quality enhancing solutions, and help customers get a higher assessment scores and successfully pass LEED certification.