

Air Conditional Fan Box

Professional HVAC Fan & Motors Manufacturer



Type Code

S DDK 200 - I A



A-Aluminum Alloy Frame Type

I - Type 1 II - Type 2

Impeller diameter

DDK- low noise external rotor conditioning fan
DDT- low noise external rotor conditioning fan

S-With chassis

External Rotor Air Conditioning Fan

Product Characteristic

Fan for the external rotor motor, external rotor motors of the series with a compact, easy to install, reliable operation, low noise, energy efficient features.

Fan is running two single-phase and three-phase asynchronous induction capacitor run. Widely used in industrial and mining enterprises, hotels, shopping malls and other ventilation, central air Transfer unit, purification supporting air conditioning, compact fan coil units.

Fan insulation class B. class F.

Protection class: IP44, IP54.

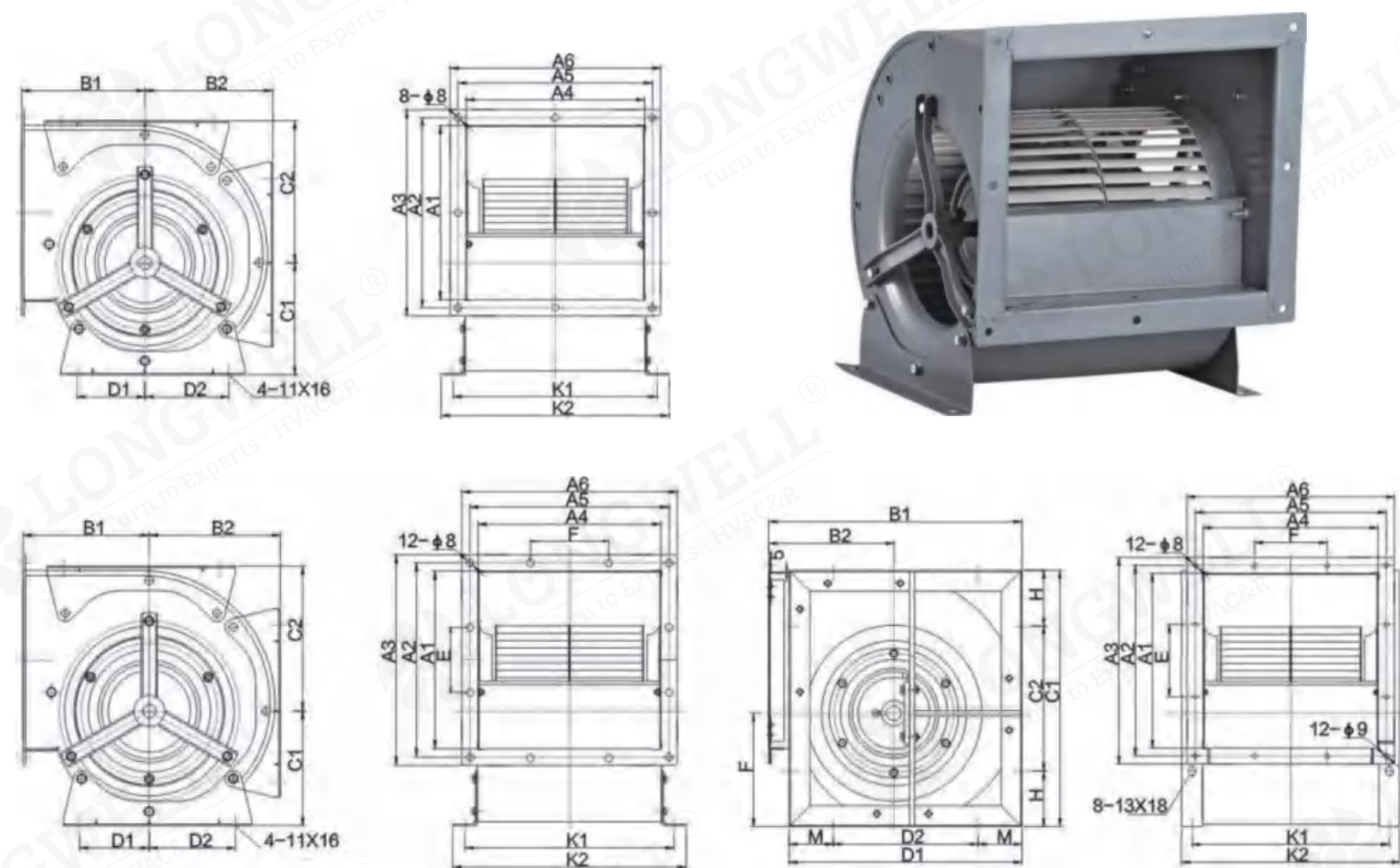
Mode Of Operation: S1.

Voltage: single-phase capacitor run electric fan is 220V/50Hz, three phase fan is 380V/50Hz. We can follow customer demand for the production of different voltages, fan frequency.

Fan for ambient temperatures between-30℃-60℃, relative humidity less than 90%, Altitude less than 1000m.

The average fan is applicable to life more than 30,000 hours.

Must be a ground wire motor with external grounding device beford connecting the fan to use effectively.



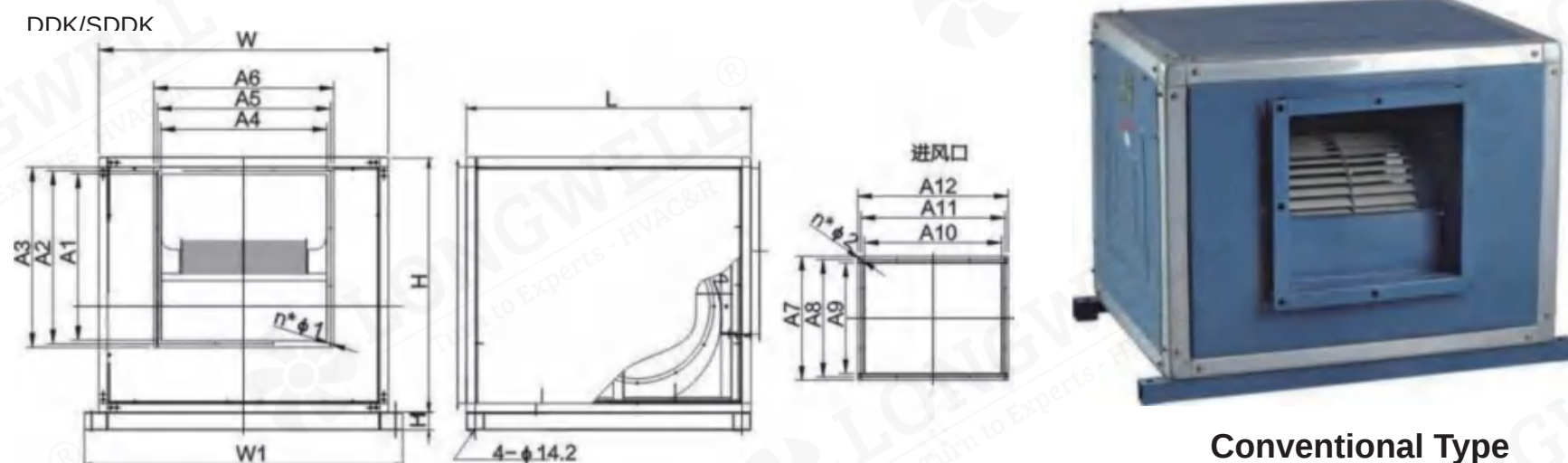
Installation Dimension Sheet

Model	A1	A2	A3	A4	A5	A6	B1	B2	C1	C2	D1	D2	K1	K2	Weight (kg)
DDK200	220	252	280	226	258	286	157	160	140	177	85	105	225	285	12
DDK225- I	242	274	302	256	288	316	172	178	158	200	100	120	284	314	15
DDK225- II	242	274	302	286	318	346	172	178	158	200	100	120	314	344	17
DDK250- I	269	301	329	283	315	343	187	200	180	220	110	130	314	344	19
DDK250- II	269	301	329	305	337	365	187	200	180	220	110	130	340	370	22
DDK280- I	303	335	363	303	335	363	205	220	195	245	132	138	340	370	26
DDK280 II	303	335	363	360	392	420	205	220	195	245	132	138	394	424	30
DDK315- I	335	367	395	335	367	395	245	255	227	284	135	135	375	405	35
DDK315- II	335	367	395	403	435	463	245	255	227	284	135	135	440	470	40

Model	A1	A2	A3	E	A4	A5	A6	F	B1	B2	C1	C2	D1	D2	K1	K2	Weight (kg)
DDK355- I	373	405	433	135	377	409	437	136	269	279	247	312	155	155	425	455	44
DDK355 II	373	405	433	135	433	465	493	155	269	279	247	312	155	155	480	510	49
DDK400- I	417	449	477	150	421	453	481	151	295	308	278	354	190	190	475	510	54
DDK400- II	417	449	477	150	462	494	522	165	295	308	278	354	190	190	515	550	59

Model	A1	A2	A3	E	A4	A5	A6	F	B1	B2	C1	C2	H	D1	D2	M	I	K1	K2	Weight (kg)
DDK450- I	467	499	527	166	471	503	531	168	677	325	703	400	151.5	634	400	117	312	510	550	65
DDK450- II	467	499	527	166	532	564	592	188	677	325	703	400	152	634	400	117	312	570	610	71
DDK500- I	508	540	568	180	508	540	568	180	744	354	780	450	165	701	450	125	346	561	611	77
DDK500- II	508	540	568	180	602	634	662	211	744	354	780	450	165	701	450	125	346	650	700	86

Air Conditional Fan Box

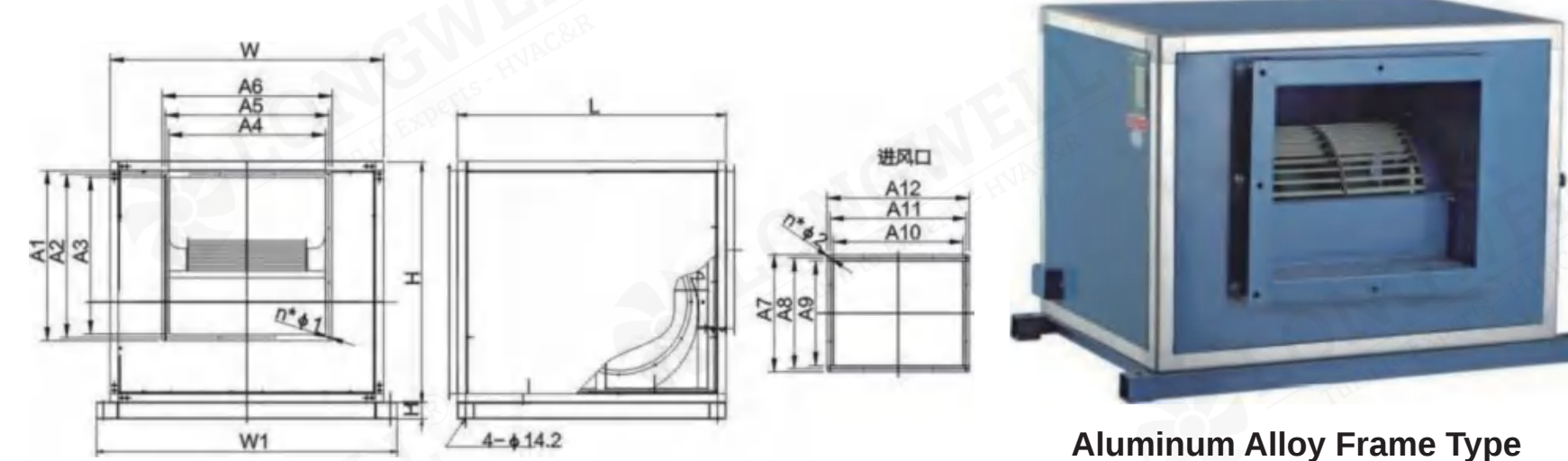


Conventional Type

Installation dimension sheet

Model	A1	A2	A3	A4	A5	A6	n*φ1	A7	A8	A9	A10	A11	A12	n*φ2	L	W	H	H1	W1
SDDK200	220	250	280	220	250	280	12*φ8.5	340	310	280	380	410	440	16*φ8.5	420	520	420	40	620
SDDK225 I	250	280	310	250	280	310	12*φ8.5	380	350	320	460	490	520	16*φ8.5	460	600	460	40	700
SDDK225 II	250	280	310	280	310	340	12*φ8.5	380	350	320	460	490	520	16*φ8.5	460	600	460	40	700
SDDK250 I	275	305	335	280	310	340	12*φ8.5	410	380	350	510	540	570	16*φ8.5	490	650	490	40	750
SDDK250 II	275	305	335	300	330	360	12*φ8.5	410	380	350	510	540	570	16*φ8.5	490	650	490	40	750
SDDK280 I	305	335	365	300	330	360	12*φ8.5	450	420	390	580	610	640	16*φ8.5	530	720	530	40	820
SDDK280 II	305	335	365	356	386	416	12*φ8.5	450	420	390	580	610	640	16*φ8.5	530	720	530	40	820
SDDK315 I	338	368	398	338	368	398	12*φ8.5	520	490	460	640	670	700	16*φ8.5	600	780	600	40	880
SDDK315 II	338	368	398	400	430	460	12*φ8.5	520	490	460	640	670	700	16*φ8.5	600	780	600	40	880
SDDK355 I	375	405	435	375	405	435	12*φ8.5	580	550	520	660	690	720	16*φ8.5	660	800	660	40	900
SDDK355 II	375	405	435	431	461	491	12*φ8.5	580	550	520	660	690	720	16*φ8.5	660	800	660	40	900
SDDK400 I	420	450	480	420	450	480	12*φ8.5	640	610	580	720	750	780	16*φ8.5	720	860	720	40	960
SDDK400 II	420	450	480	460	490	520	12*φ8.5	640	610	580	720	750	780	16*φ8.5	720	860	720	40	960
SDDK450 I	470	500	530	470	500	530	12*φ8.5	720	690	660	790	820	850	16*φ8.5	800	930	800	50	1050
SDDK450 II	470	500	530	530	560	586	12*φ8.5	720	690	660	790	820	850	16*φ8.5	800	930	800	50	1050
SDDK500 I	510	540	570	510	540	570	12*φ8.5	800	770	740	860	890	920	16*φ8.5	880	1000	880	50	1120
SDDK500 II	510	540	570	600	630	656	12*φ8.5	800	770	740	860	890	920	16*φ8.5	880	1000	880	50	1120

Air Conditional Fan Box



Aluminum Alloy Frame Type

Installation dimension sheet

Model	A1	A2	A3	A4	A5	A6	n*φ1	A7	A8	A9	A10	A11	A12	n*φ2	L	W	H	H1	W1
SDDK200-A	274	244	214	220	250	280	12*φ8.5	370	340	310	410	440	470	16*φ8.5	420	520	420	40	620
SDDK225- I A	296	266	236	250	280	310	12*φ8.5	380	350	320	460	490	520	16*φ8.5	460	600	460	40	700
SDDK225- II A	296	266	236	280	310	340	12*φ8.5	410	380	350	490	520	550	16*φ8.5	460	600	460	40	700
SDDK250- I A	323	293	263	277	307	337	12*φ8.5	440	410	380	540	570	600	16*φ8.5	490	650	490	40	750
SDDK250- II A	323	293	263	296	326	356	12*φ8.5	440	410	380	540	570	600	16*φ8.5	490	650	490	40	750
SDDK280- I A	357	327	297	297	327	357	12*φ8.5	480	450	420	610	640	670	16*φ8.5	530	720	530	40	820
SDDK280- II A	357	327	297	354	384	414	12*φ8.5	480	450	420	610	640	670	16*φ8.5	530	720	530	40	820
SDDK315- I A	389	359	329	329	359	389	12*φ8.5	540	510	480	660	690	720	16*φ8.5	600	780	600	40	880
SDDK315- II A	389	359	329	397	427	457	12*φ8.5	540	510	480	660	690	720	16*φ8.5	600	780	600	40	880
SDDK355- I A	375	405	435	375	405	435	12*φ8.5	580	550	520	660	690	720	16*φ8.5	660	800	660	40	900
SDDK355- II A	375	405	435	431	461	491	12*φ8.5	580	550	520	660	690	720	16*φ8.5	660	800	660	40	900
SDDK400- I A	471	441	411	415	445	475	12*φ8.5	660	630	600	740	770	800	16*φ8.5	720	860	720	40	960
SDDK400- II A	471	441	411	456	486	516	12*φ8.5	660	630	600	740	770	800	16*φ8.5	720	860	720	40	960
SDDK450- I A	521	491	461	465	495	525	12*φ8.5	720	690	660	790	820	850	16*φ8.5	800	930	800	50	1050
SDDK450- II A	521	491	461	526	556	586	12*φ8.5	720	690	660	790	820	850	16*φ8.5	800	930	800	50	1050
SDDK500- I A	558	528	498	502	532	562	12*φ8.5	800	770	740	860	890	920	16*φ8.5	880	1000	880	50	1120
SDDK500- II A	558	528	498	596	626	656	12*φ8.5	800	770	740	860	890	920	16*φ8.5	880	1000	880	50	1120

Main Technical Parameters

Model	Equipped With A Motor (KW-P)	Air volume (m³/h)	Total pressure (Pa)	Noise [dB(A)]
DDK/SDDK200	YDW0.25-4	920-1700	250-290	67
DDK/SDDK225- I	YDW0.25-6	840-1960	150-180	63
DDK/SDDK225- I	YDW0.37-4	1190-1970	340-390	67
DDK/SDDK225- I	YDW0.45-4	1340-2540	340-380	70
DDK/SDDK225- II	YDW0.45-4	1690-2820	270-360	70
DDK/SDDK225- II	YDW0.55-4	1600-3220	230-370	72
DDK/SDDK250- I	YDW0.37-6	1730-3220	180-230	70
DDK/SDDK250- I	YDW0.45-4	1690-2490	420-480	67
DDK/SDDK250- I	YDW0.55-4	1520-2510	430-520	68
DDK/SDDK250- II	YDW0.45-4	1090-2850	420-440	67
DDK/SDDK250- II	YDW0.55-4	1590-2900	410-450	68
DDK/SDDK280- I	YDW0.55-6	1800-2560	260-300	73
DDK/SDDK280- I	YDW0.8-4	2160-3250	580-610	74
DDK/SDDK280- II	YDW0.8-4	1460-3510	500-520	74
DDK/SDDK280- II	YDW1.1-4	2280-4510	370-510	75
DDK/SDDK315- I	YDW0.8-6	2340-4550	320-360	72
DDK/SDDK315- I	YDW1.1-6	3610-5640	300-360	77
DDK/SDDK315- I	YDW1.8-4	2970-5470	670-750	79
DDK/SDDK315- II	YDW0.8-6	4250-5360	300-340	72
DDK/SDDK315- II	YDW1.1-6	4150-6610	220-310	77
DDK/SDDK315- II	YDW1.8-4	3930-5870	660-720	79
DDK/SDDK355- I	YDW1.1-6	2870-5710	430-510	72
DDK/SDDK355- I	YDW1.5-6	3170-6340	430-540	77
DDK/SDDK355- II	YDW1.5-6	2980-7400	420-470	76
DDK/SDDK355- II	YDW1.8-6	4100-8590	420-460	79
DDK/SDDK400- I	YDW1.8-6	4140-7480	550-640	73
DDK/SDDK400- I	YDW2.2-6	4750-9690	580-670	78
DDK/SDDK400- I	YDW3-6	5650-11070	530-610	82
DDK/SDDK400- II	YDW1.8-6	4980-9060	540-560	75
DDK/SDDK400- II	YDW2.2-6	4420-10160	500-550	79

Model	Equipped With A Motor (KW-P)	Air volume (m³/h)	Total pressure (Pa)	Noise [dB(A)]
DDK/SDDK450- I	YDW3-6	6750-9950	730-770	76
DDK/SDDK450- I	YDW4-6	5560-11870	690-780	79
DDK/SDDK450- II	YDW3-6	5980-10510	610-700	75
DDK/SDDK450- II	YDW4-6	6230-12660	630-710	79
DDK/SDDK500- I	YDW5.5-6	8380-15660	810-910	83
DDK/SDDK500- I	YDW7.5-6	10920-17770	580-850	86
DDK/SDDK500- II	YDW5.5-6	8380-16520	750-810	81
DDK/SDDK500- II	YDW7.5-6	8800-19000	790-860	84

External Rotor Air Conditioning Fan

Product Characteristic

Fan for the external rotor motor, external rotor motors of the series with a compact, easy to install, reliable operation, low noise, energy efficient features.

Fan is running two single-phase and three-phase asynchronous induction capacitor run. Widely used in industrial and mining enterprises, hotels, shopping malls and other ventilation, central air conditioning units, clean air-conditioning, fan coil units compact package.

Fan insulation class B. class F.

Protection class: IP44, IP54.

Mode Of Operation: S1.

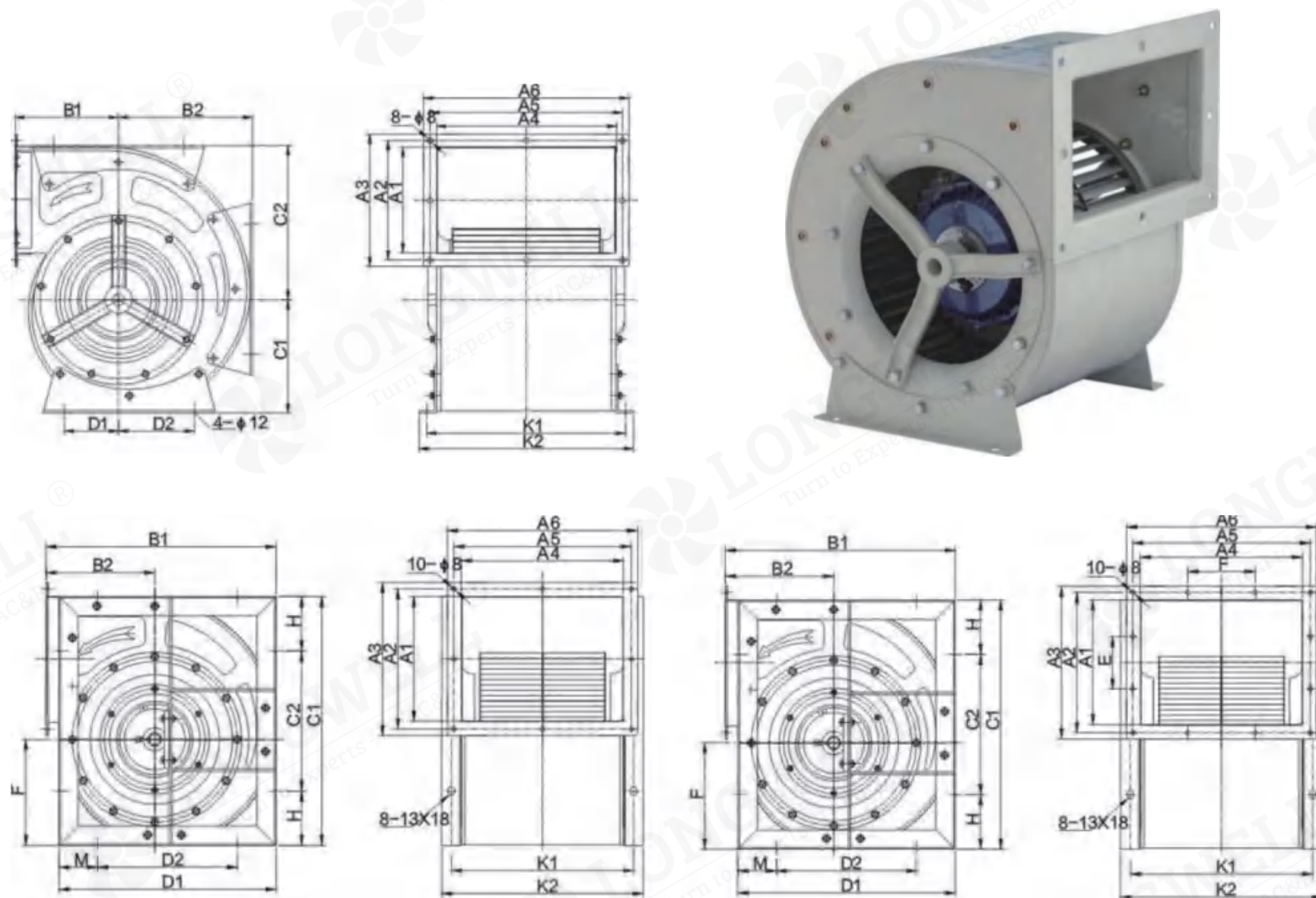
Voltage: single-phase capacitor run electric fan is 220V/50Hz, three phase fan is 380V/50Hz. We can follow customer demand for the production of different voltages, fan frequency.

Fan for ambient temperatures between-30 ℃ -60 ℃ , relative humidity less than 90%, Altitude less than 1000m.

The average fan is applicable to life more than 30,000 hours.

Must be a ground wire motor with external grounding device before connecting the fan to use effectively.





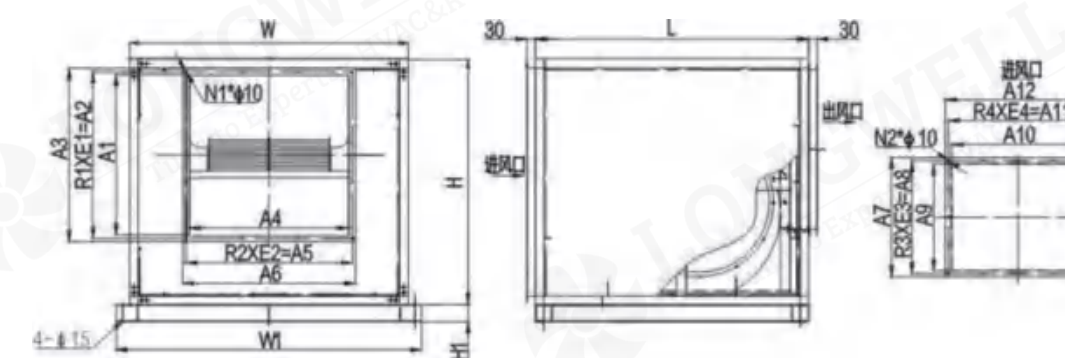
Installation dimension sheet

Model	A1	A2	A3	A4	A5	A6	B1	B2	C1	C2	D1	D2	K1	K2	Weight (kg)
DDT200	130	162	190	226	258	286	150	168	151	188	90	90	255	285	9
DDT225	146	178	206	256	288	316	170	194	173	218	89	117	286	308	12
DDT250	160	192	220	283	315	343	185	203	182	228	105	135	315	343	20
DDT280	237	269	297	303	335	363	213	244	226	284	130	140	340	370	23

Model	A1	A2	A3	A4	A5	A6	B1	B2	C1	C2	H	D1	D2	M	F	K1	K2	Weight (kg)
DDT300	254	286	314	335	367	395	479	228	515	290	113	450	290	80	220	378	418	42
DDT350	282	314	342	373	405	433	556	268	579	315	132	515	315	100	257	415	455	49
DDT400	322	354	382	416	448	476	627	300	657	355	151	579	355	112	292	459	499	57

Model	A1	A2	A3	E	A4	A5	A6	F	B1	B2	C1	C2	H	D1	D2	M	I	K1	K2	Weight (kg)
DDT450	467	499	527	166	471	503	531	168	674	325	703	400	151.5	634	400	117	312	510	550	65
DDT500	508	540	568	180	508	540	568	180	744	354	780	450	165	701	450	125	346	561	611	78

Air Conditional Fan Box

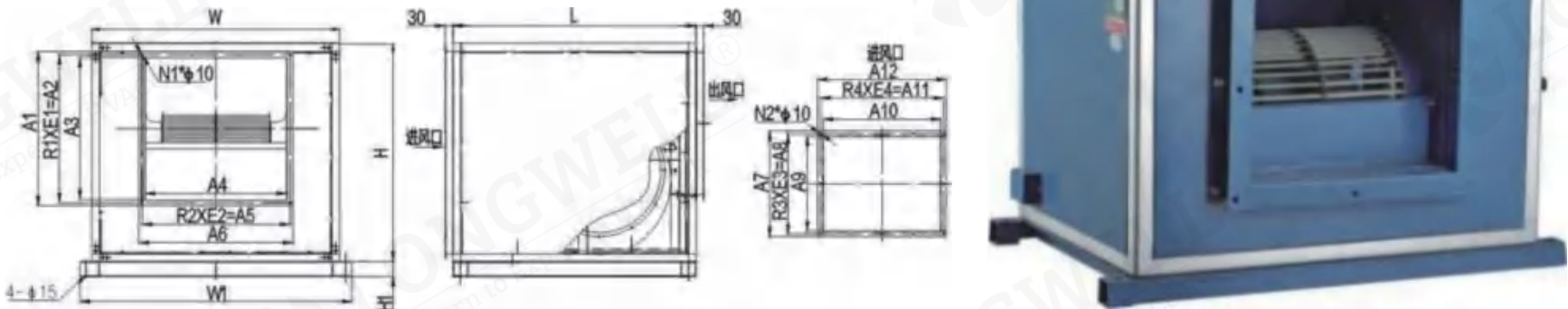


Conventional Type

Installation dimension sheet

Model	A1	A2	A3	A4	A5	A6	n*φ1	A7	A8	A9	A10	A11	A12	n*φ2	L	W	H	H1	W1
SDDT200	135	165	195	220	250	280	12*φ8.5	340	310	280	380	410	440	16*φ8.5	420	520	420	40	620
SDDT225	155	185	215	255	285	315	12*φ8.5	380	350	320	460	490	520	16*φ8.5	460	600	460	40	700
SDDT250	165	195	225	280	310	340	12*φ8.5	410	380	350	510	540	570	16*φ8.5	490	650	490	40	750
SDDT280	240	270	300	300	330	360	12*φ8.5	500	470	440	580	610	640	16*φ8.5	530	720	580	40	820
SDDT300	260	290	320	340	370	400	12*φ8.5	520	490	460	640	670	700	16*φ8.5	600	780	600	40	880
SDDT350	285	315	345	375	405	435	12*φ8.5	580	550	520	660	690	720	16*φ8.5	660	800	660	40	900
SDDT400	326	356	386	420	450	480	12*φ8.5	680	650	620	720	750	780	16*φ8.5	760	860	760	40	960
SDDT450	470	500	530	470	500	530	12*φ8.5	720	690	660	790	820	850	16*φ8.5	800	930	800	50	1050
SDDT500	510	540	570	510	540	570	12*φ8.5	800	770	740	860	890	920	16*φ8.5	880	1000	880	50	1120

Air Conditional Fan Box



Aluminum Alloy Frame Type

Installation dimension sheet

Model	A1	A2	A3	A4	A5	A6	n*φ1	A7	A8	A9	A10	A11	A12	n*φ2	L	W	H	H1	W1
SDDT200-A	184	154	124	220	250	280	12*φ8.5	370	340	310	410	440	470	16*φ8.5	420	520	420	40	620
SDDT225-A	203	173	143	250	280	310	12*φ8.5	410	380	350	490	520	550	16*φ8.5	460	600	460	40	700
SDDT250-A	214	184	154	277	307	337	12*φ8.5	440	410	380	540	570	600	16*φ8.5	490	650	490	40	750
SDDT280-A	291	261	231	297	327	357	12*φ8.5	530	500	470	610	640	670	16*φ8.5	530	720	580	40	820
SDDT300-A	308	278	248	329	359	389	12*φ8.5	540	510	480	660	690	720	16*φ8.5	600	780	600	40	880
SDDT350-A	336	306	276	367	397	427	12*φ8.5	600	570	540	680	710	740	16*φ8.5	660	800	660	40	900
SDDT400-A	376	346	316	410	440	470	12*φ8.5	700	670	640	740	770	800	16*φ8.5	760	860	760	40	960
SDDT450-A	521	491	461	465	495	525	12*φ8.5	720	690	660	790	820	850	16*φ8.5	800	930	800	50	1050
SDDT500-A	558	528	498	502	532	562	12*φ8.5	800	770	740	860	890	920	16*φ8.5	880	1000	880	50	1120