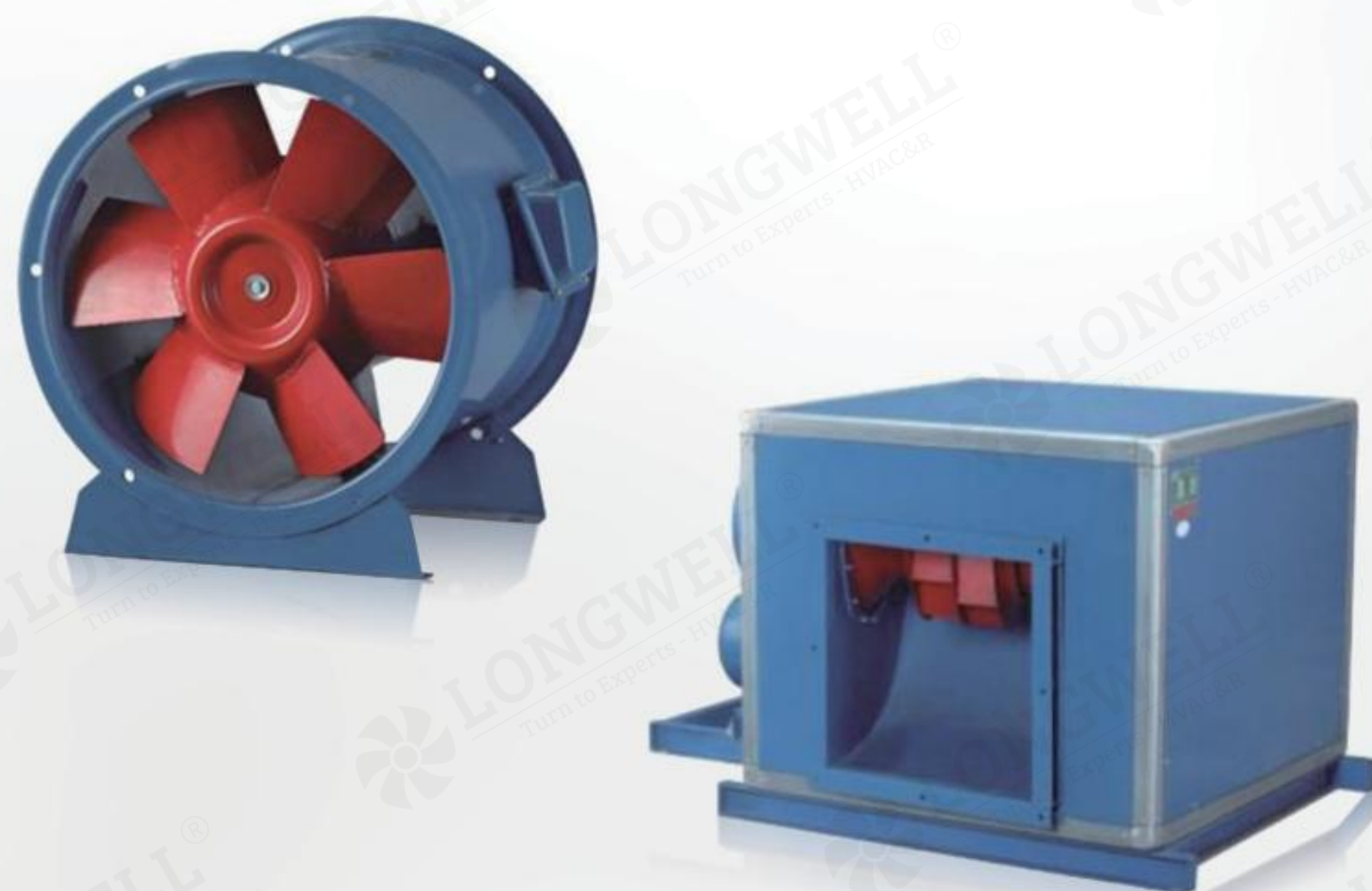


Fireproof Series Fans

Professional HVAC Fan & Motors Manufacturer



Type Code

LW A 3.5 O - 01



Series number

O-Outboard I-Internal
E-Registration Number

Registration Number

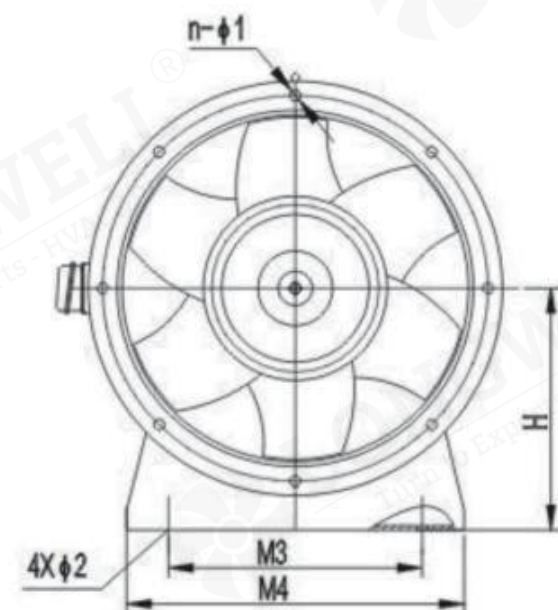
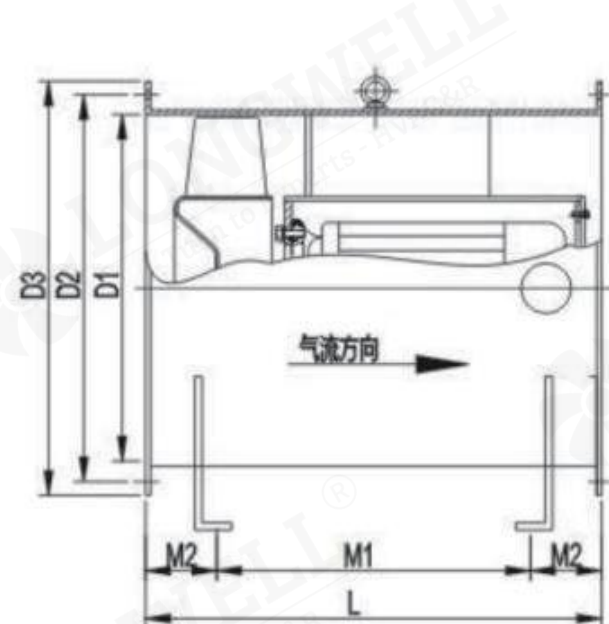
A-Fire Fighting High Temperature Fume Exhausting Axial Fan
B-Fire Fighting High Temperature Fume Exhausting Mixed Flow Fan
C-Fire Fighting/Ventilating Double Functions Centrifugal Fan Box
D-Fire Fighting/Ventilating Double Functions Backwords Centrifugal Fan Box
E-Double Inlets Centrifugal Fan Box

Longwell

Fire Fighting High Temperature Fume Exhausting Axial Fan

Product Characteristic

HTF Series Fire-fighting Fume Etraction Axial Fan is a new product by optimized design,research and development.It has features of high efficiency and smooth curve.It is beneficial for emergy-saving. It adopts motor direct driven.It can utilize single or multi-speed transmission forms according to various requirements of the high-grade civil-purpose architectures in order to fulfill the goal of ventilation,air-exchange and heat fume extraction during fire-fighting. This product is widely applicable for the occasions such as high-grade civil-purpose architectures,dry oven,underground,etc.



HTF-I II Installation dimension sheet

Model	D1	D2	D3	L	I M1	M2	L	II M1	M2	M3	M4	H	n×φ1	φ2
LWA3	310	340	370	400	264	50	/	/	/	260	300	210	6×φ10	φ14
LWA3.5	360	390	420	400	264	50	/	/	/	260	300	232	6×φ10	φ14
LWA4	410	440	470	440	300	50	/	/	/	270	330	270	6×φ10	φ14
LWA4.5	460	490	520	440	300	50	/	/	/	320	380	300	8×φ11	φ14
LWA5	510	540	570	510	365	50	510	365	50	340	420	325	8×φ11	φ14
LWA5.5	560	590	620	510	365	50	510	365	50	400	500	350	8×φ11	φ14

Model	D1	D2	D3	L	I M1	M2	L	II M1	M2	M3	M4	H	n×φ1	φ2
LWA6	610	640	670	600	430	60	600	430	60	430	510	385	10×φ11	φ14
LWA6.5	660	695	730	600	430	60	630	460	60	500	600	420	10×φ11	φ14
LWA7	710	745	780	700	535	60	760	595	60	500	600	440	10×φ11	φ18
LWA8	810	846	886	700	535	60	760	580	60	560	660	500	12×φ12	φ18
LWA9	910	946	986	770	600	60	810	640	60	700	800	560	12×φ12	φ18
LWA10	1010	1050	1090	780	600	60	820	640	60	750	850	630	12×φ12	φ18
LWA11	1110	1150	1190	900	840	/	900	840	/	980	1050	680	14×φ12	φ18
LWA12	1210	1250	1290	1020	954	/	1020	954	/	1065	1135	700	14×φ12	φ18
LWA13	1310	1350	1390	1020	954	/	1020	954	/	1100	1200	750	16×φ12	φ18
LWA15	1510	1560	1590	1100	1030	/	1100	1030	/	1390	1320	850	18×φ15	φ21

HTF-I Main parameters

Model	Speed (r/min)	Matched electric motor(kw-p)	Air volume (m³/h)	Total pressure (Pa)	Noise [dB(A)]
LWA3.5-01	2900	0.75-2	4225-3350	280-420	≤78
LWA4-01	2900	1.5-2	5500-3800	300-450	≤79
LWA4.5-01	2900	2.2-2	8500-6210	410-670	≤80
LWA5-01	2900	3-2	9824-6817	510-752	≤80
LWA5.5-01	2900	4-2	12390-10160	428-630	≤86
LWA6-01	2900	5.5-2	16090-13197	510-752	≤86
LWA6.5-01	1450	5.5-4	19520-15216	524-620	≤88
LWA7-01	1450	7.5-4	21380-18908	610-720	≤88
LWA8-01	1450	7.5-4	31421-27071	582-623	≤89
LWA9-01	1450	11-4	33510-27513	562-840	≤90
LWA10-01	1450	11-4	45697-36279	397-640	≤90
LWA11-01	1450	15-4	51552-49648	580-688	≤91
LWA12-01	960	18.5-6	62763-57748	524-723	≤93
LWA13-01	960	18.5-6	74708-56031	624-807	≤94
LWA15-01	960	22-6	101389-76041	623-819	≤95

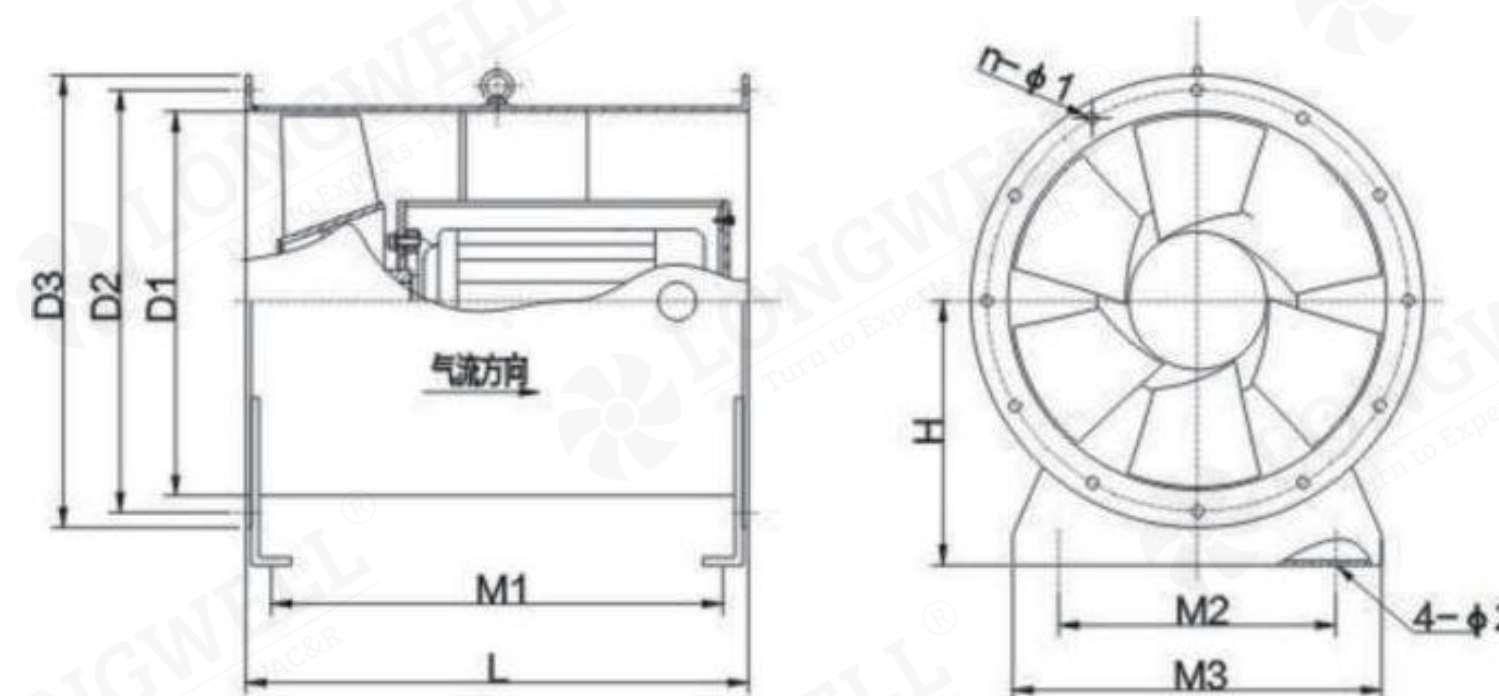
HTF-II Main parameters

Model	Speed (r/min)	Matched electric motor(kw-p)	Air volume (m³/h)	Total pressure (Pa)	Noise [dB(A)]
LWA5-02	2900/1450	3/2.4	9824-6817/4912-3410	510-752/127-188	80/75
LWA5.5-02	2900/1450	4/3.3	15200-10900/7600-5450	389-621/100-155	86/75
LWA6-02	2900/1450	5.5/4.5	16090-13197/8599-6549	510-752/127-188	86/75
LWA6.5-02	1450/960	5.5/4	21500-15300/14235-10130	425-680/187-198	88/80
LWA7-02	1450/960	8.0/6.5	24380-18908/16141-12518	610-720/267-316	88/80
LWA8-02	1450/960	8.0/6.5	31421-27071/22080-17923	624-732/255-273	89/80
LWA9-02	1450/960	11/9	33510-27513/22186-18216	562-840/246-368	90/81
LWA10-02	1450/960	11/9	45697-36279/30255-24019	397-640/174-281	91/80
LWA11-02	1450/960	16/13	51552-49648/38664-37235	580-688/326-387	92/83
LWA12-02	960/720	17/8	62768-57748/47072-43311	624-732/351-412	93/83
LWA13-02	960/720	17/8	74708-56031/56031-42023	600-807/338-454	94/84
LWA15-02	960/720	25/12	101389-76041/76042-57031	623-819/350-461	95/85

Fire Fighting High Temperature Fume Exhausting Mixed Flow Fan

Product Characteristic

HTF-V Mixed-flow Fire-Fighting Heat Fume Extraction Fan is a novel and in termediate fan between axial-flow fan and centrifugal fan. It absopts the advantages from both fans. Itswind pressure is higher than the same machine number axuakflow fan and flow larger than the same machine number centrifugal fan. It has advantage a such as wide and effective operational zone, high efficiency etc, This fan is widely applicable for the ventillation and exhaust system in the office buiding hotel large-size high-grade civil puroose architectures etc, It can also be used for ventilation and air-exchange in the mining and industrial enterprises such as freezing house, textile and so on in order to replae for the low-pressure centrifugal fan or high-pressure axial-flow with no need to install large amounts of the noise blanking facilities.



HTF-V Installation dimension sheet

Model	D1	D2	D3	L	M1	M2	M3	H	n×φ1	φ2
LWB4	410	440	470	380	340	310	370	280	6×φ10	φ14
LWB4.5	460	490	520	400	366	300	380	300	8×φ11	φ14
LWB5	510	540	570	440	405	340	420	325	8×φ11	φ14
LWB6	610	640	670	490	436	430	510	385	10×φ11	φ14
LWB7	710	745	780	550	495	500	600	440	12×φ12	φ14
LWB8	810	852	890	740	685	560	660	500	12×φ12	φ18
LWB9	910	942	980	740	685	700	800	560	12×φ12	φ18
LWB10	1000	1042	1080	870	814	750	850	640	12×φ12	φ18
LWB11	1100	1142	1180	860	784	800	1000	680	14×φ12	φ18
LWB12	1210	1256	1290	1100	1034	1000	1100	700	14×φ12	φ18
LWB13	1310	1350	1390	1130	1064	1100	1200	750	16×φ13	φ18

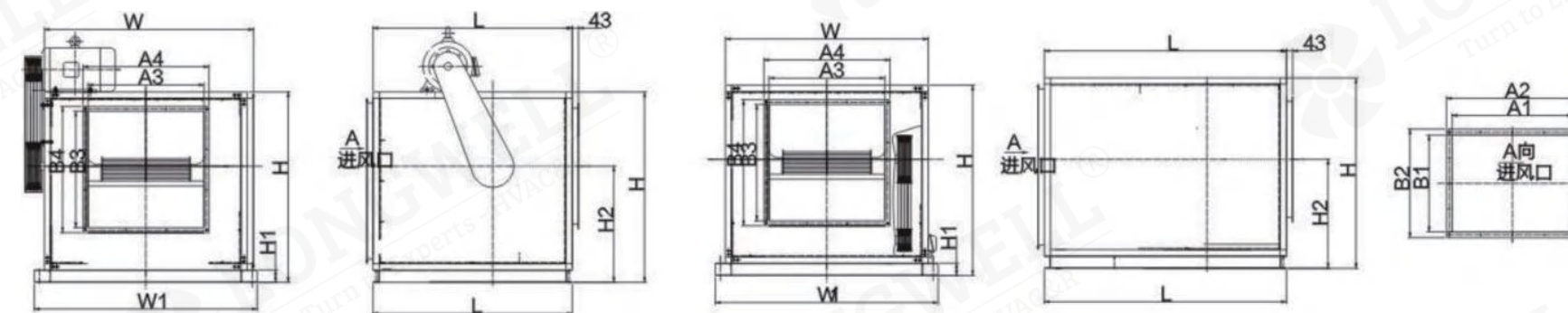
The main parameters

Model	Speed (r/min)	Dual-speed motor(kw)	Single-speed motor(kw)	Air volume (m³/h)	Total pressure (Pa)	Noise [dB(A)]
LWB3-01	2900/1450	/	2.2/0.25	4652-3212/2312-1606	512-883/121-236	≤73/≤66
LWB4-01	2900/1450	/	4/0.37	7228-5242/4512-2765	654-1248/128-285	≤78/≤71
LWB4.5-01	2900/1450	/	5.5/0.55	9169-7124/4728-3160	672-1298/182-306	≤80/≤73
LWB5-01	2900/1450	5.5/4.5	5.5/1.1	13110-9876/8652-4896	801-1316/196-382	≤83/≤77
LWB6-01	2900/1450	8/6.5	7.5/1.5	19230-15210/11625-7560	836-1365/165-382	≤85/≤79
LWB7-01	1450/960	2.8/2.2	3/1.1	18800-11780/13820-8246	329-470/186-278	≤82/≤74
LWB8-01	1450/960	11/9	15/4	37350-28564/25467-16269	809-1305/193-516	≤90/≤82
LWB9-01	1450/960	17/8	18.5/5.5	46138-33579/34206-22011	785-1343/282-564	≤92/≤86
LWB10-01	1450/960	24/8	18.5/7.5	51821-40528/44054-29902	792-1378/288-496	≤93/≤86
LWB11-01	1450/960	24/8	22/11	59521-48177/48729-35294	806-1382/310-516	≤94/≤86
LWB12-01	960/720	25/12	22/15	71092-55852/64292-47534	786-1308/429-635	≤95/≤91
LWB13-01	960/720	30/18.5	30/15	87761-68652/71565-63699	805-1329/441-508	≤95/≤91

Fire Fighting/Ventilating Double Functions Centrifugal Fan Box

Product Characteristic

DF(HTFC)Serial low-noise fan box is a novel cabinet type fan selfly developed and manufactured by our factory on the basis of digesting and absorbing the advanced technology from the same kind products both at home and abroad. The box adopts the removable structure, The box plate utilizes the superior steel plartefor its bending. It is inner lined with the composite noise blanking materials such as glass cotton, woven glass fabric, punched plate and so on. It has the Characteristics such as low noise, high pressure coefficient, large discharge facto smooth performance curve, pleasing asspearance, easy installation etc. It is divided into motor inner mounting (A)and outer(B)two forms .It is applicable for the Ventilation & scavengig occasions such as gues thouse, restaurant, auditorium, cinema. factory workshop, office building and so forth.



Mounting dimensions

Model	A1	A2	B1	B2	A3	A4	B3	B4	Type A	Type B	W	W1	H	H1	H2
LWC9	490	550	440	500	340	400	271	331	550	800	600	700	600	50	390
LWC10	510	570	490	550	356	416	305	365	600	880	620	720	650	50	416
LWC12	640	700	520	580	404	464	404	464	760	1000	760	880	700	60	428
LWC15	740	800	580	640	430	490	420	480	840	1080	860	980	760	60	480
LWC18	860	920	680	740	560	620	500	560	960	1220	1000	1120	880	60	555
LWC20	980	1040	840	900	625	685	630	690	980	1380	1120	1240	1040	60	652
LWC22	1080	1140	890	950	625	685	640	700	1170	1420	1240	1360	1130	80	716
LWC25	1220	1280	960	1020	720	780	670	730	1300	1560	1380	1500	1200	80	775
LWC28	1360	1420	1160	1220	760	820	700	760	1460	1760	1520	1680	1420	100	989
LWC30	1470	1530	1270	1330	930	990	820	880	1600	1840	1630	1790	1530	100	1026
LWC33	1600	1660	1400	1460	940	1000	950	890	1760	2050	1760	1920	1660	100	1125

The main parameters

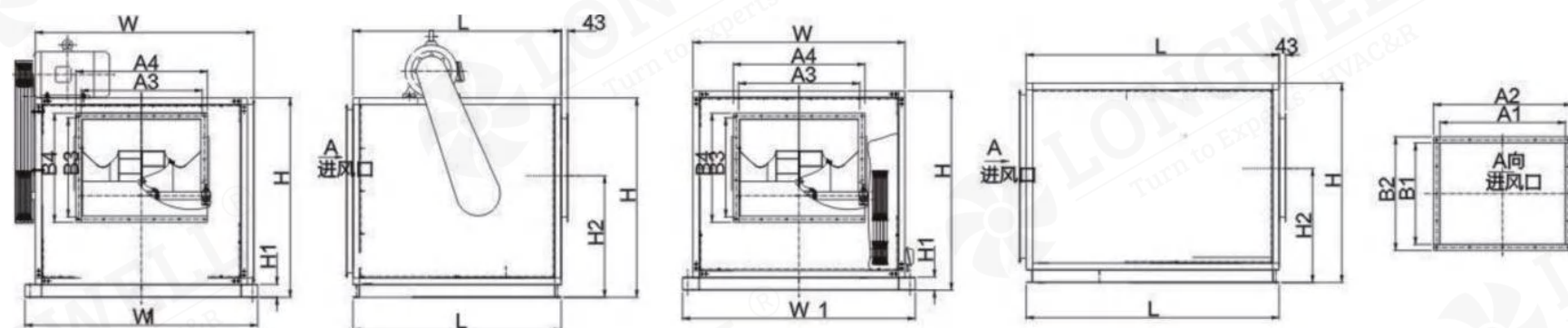
Model	Speed (r/min)	Air volume (m³/h)	Total pressure (Pa)	Power (kw)	Noise [dB(A)]
LWC9-01	1000/1200 1400/1600	3146-1654/3845-2021 4544-2389/5243-2756	125/168/187-251 261-350/348-466	0.55/0.75 1.1/1.5	≤56/≤57 ≤58/≤62
LWC10-01	900/1100 1300/1500	3675-1838/4492-2246 5308-2654/6425-3063	166-216/248-323 247-451/462-601	0.75/1.1 1.5/2.2	≤56/≤57 ≤59/≤63
LWC12-01	960/1100 1200/1400	6014-3328/6682-3697 7350-4067/8018-4437	252-311/311-384 376-465/448-553	1.5/2.2 3/4	≤60/≤60 ≤62/≤64
LWC15-01	800/900 1000/1200	9447-4767/10628-5363 11809-5958/12399-6256	293-368/371-466 485-575/505-634	2.2/3 4/5.5	≤63/≤65 ≤65/≤66
LWC18-01	600/700 800/900	10813-5782/12615-6747 14417-7709/16550-8850	225-277/307-377 401-492/507-620	2.2/3 5.5/7.5	≤60/≤61 ≤63/≤65
LWC20-01	550/600 700/840	13839-7580/15097-8269 17613-9647/21567-11813	233-317/278-377 378-514/790-736	3/4 5.5/7.5	≤60/≤61 ≤63/≤65
LWC22-01	500/550 650/750	16442-9640/18086-10064 21375-12531/24663-14459	214-288/259-348 362-487/481-648	4/5.5 7.5/11	≤64/≤66 ≤69/≤72

Model	Speed (r/min)	Air volume (m³/h)	Total pressure (Pa)	Power (kw)	Noise [dB(A)]
LWC25-01	450/500 600/650	22649-13230/25165-14700 30198-17640/32715-19110	201-272/248-336 357-483/419-567	5.5/7.5 11/15	≤70/≤71 ≤73/≤75
LWC28-01	480/540 580/660	33495-21177/37681-23824 40473-25588/46055-29118	301-389/380-492 481-568/568-735	7.5/11 15/22	≤71/≤72 ≤73/≤75
LWC30-01	420/530 600/640	37851-22484/47765-28872 54073-32120/57575-33130	274-356/437-566 560-726/913/896	7.5/15 22/30	≤70/≤73 ≤77/≤78
LWC33-01	450/500	46740-56930/51340-61880	591-564/722-682	22/30	≤75/≤78

Fire Fighting/Ventilating Double Functions Backwards Centrifugal Fan Box

Product Characteristic

This Series Centrifugal Fan Box is a newly developed double functions backwards centrifugal fan box with advanced technology. Its impeller consists of 24 pieces of backwards welded blades. It has features as large air volume, high pressure, long use life, its life 100% longer than that with multi-vaned type fan. It adopts silencer sponges, silencer cloth, perforated plate etc to low down the noise. This series fan box have two types Type A (motor outside) used for fire fighting and smoke exhausting; Type B (Motor inside) mainly used for air exhausting or supply. It is widely used for fire fighting and smoke exhausting, ventilating and air exchanging for hotels, restaurants, entertainment places, buildings, supermarkets, office blocks, etc.



Mounting dimensions

Model	A1	A2	B1	B2	A3	A4	B3	B4	L	W	W1	H	H1	H2
LWD9O	490	550	450	510	315	375	305	365	750	600	700	610	50	377
LWD9I	590	650	450	510	315	375	305	365	1000	700	800	610	50	377
LWD10O	630	690	500	560	360	420	345	405	700	740	840	660	50	402
LWD10I	630	690	500	560	360	420	345	405	1000	740	840	660	50	402
LWD12O	700	760	610	670	420	480	345	405	750	820	920	790	60	520
LWD12I	700	760	610	670	420	480	345	405	950	820	920	790	60	520
LWD15O	790	850	730	790	500	560	490	550	1080	910	1030	910	60	545
LWD15I	790	850	730	790	500	560	490	550	1180	910	1030	910	60	545
LWD18O	810	870	785	845	570	630	560	620	1200	950	1070	985	60	600
LWD18I	860	920	785	845	570	630	560	620	1200	1000	1120	985	80	600
LWD20I	1060	1120	930	990	635	695	620	680	1200	1200	1320	1150	80	745
LWD20O	1060	1120	930	990	635	695	620	680	1400	1200	1320	1150	80	745
LWD22I	1160	1220	960	1020	715	775	695	755	1250	1320	1440	1200	80	750
LWD22O	1160	1220	960	1020	715	775	695	755	1500	1320	1440	1200	80	750
LWD25I	1340	1400	1160	1220	803	863	780	840	1300	1500	1660	1400	80	855
LWD25O	1340	1400	1160	1220	803	863	780	840	1670	1500	1660	1400	80	855
LWD28I	1500	1560	1260	1320	906	966	951	891	1500	1660	1820	1520	100	940
LWD28O	1500	1560	1260	1320	906	966	951	891	1700	1660	1820	1520	100	940

The main parameters

Model	Speed (r/min)	Power (kw)	Air volume (m³/h)	Total pressure (Pa)	Noise [dB(A)]
LWD9-01	3600/2800 2000	3-2/1.5-2 0.55-4	5071-2300/3892-1742 2816-1242	924-1552/559-939 285-479	70/68 62
LWD10-01	3600/2800 2000/1800	4.2/2.2-2 1.1-4/0.75-4	6700-3276/5491-2438 3923-1714/3530-1638	1140-1940/689-1174 352-599/285-485	73/68 62/61
LWD12-01	2800/2400 2000/1800	4-2/2.2-2 1.5-4/1.1-4	7893-3608/6765-3112 5894-2481/5073-2333	887-1462/652-1074 453-746/366-599	74/67 65/60
LWD15-01	2000/1800 1600/1400	4-4/3-4 2.2-4/1.5-4	11825-5390/10643-4851 9460-4313/8278-3773	765-1306/620-1058 490-836/375-640	66/65 63/62
LWD18-01	1800/1600 1400/1200	5.5-4/4-4 3-4/2.2-4	15203-6801/13513-6046 11828-5090/10135-4533	793-1322/626-1044 480-800/352-587	70/68 65/64
LWD20-01	1800/1400 1200/1000	11-4/5.5-4 3-4/2.2-4	21450-9703/16683-7546 14200-6188/11916-5390	776-1297/594-993 437-730/303-506	73/70 65/64

Model	Speed (r/min)	Power (kw)	Air volume (m³/h)	Total pressure (Pa)	Noise [dB(A)]
LWD22-01	1600/1400 1200/1000	11-4/7.5-4 5.5-4/3-4	26694-11564/23356-10119 20020-9068/16684-7557	975-1676/746-1283 548-915/381-655	75/71 70/68
LWD25-01	1400/1200 1000/900	15-4/11-4 5.5-4/4-4	33058-15205/28336-13033 23613-10860/21252-9775	946-1589/695-1168 482-811/391-657	78/74 69/62
LWD28-01	1200/1000 900/800	15-4/11-4 7.5-4/5.5-4	39600-18208/33611-15173 31625-13063/26888-11611	871-1486/604-1032 490-836/387-660	75/73 66/64

Double Inlets Centrifugal Fan Box

Product Characteristic

Impeller: Backward single-plate mpeller. Convenient for clean.

Noise: 10% lower than similar fans. Suitable Air: Non-hypergolic, non-corrosive, dustiness <120mg/m',-20℃ <air temperature < 85℃.

Application: Suitable for kitchen lampblack exhausting and using with smoke purifier.



The main parameters

Model	Power (kw)	Speed (r/min)	Air volume (m³/h)	Total pressure (Pa)	Static pressure (Pa)
LWE3.6E-01	0.55-4⅓	1250	3152-5102	300-122	290-87
LWE3.6E-02	0.75-4⅓	1450	3565-5919	405-165	390-117
LWE3.6E-03	1.1-4⅓	1600	4035-6531	493-201	475-142
LWE3.6E-04	1.5-4⅓	1800	4540-7347	624-254	600-180
LWE3.6E-05	2.2-4⅓	2000	5043-8163	770-314	742-222
LWE3.6E-06	3-4⅓	2200	5548-8979	932-380	898-270
LWE3.6E-07	4-4⅓	2400	6102-9877	1128-460	1086-352
LWE3.6E-08	5.5-4⅓	2600	6712-10865	1364-556	1314-394
LWE4.0E-01	0.75-4⅓	1250	3997-6929	467-172	452-124
LWE4.0E-02	1.1-4⅓	1450	4636-8038	627-231	608-166
LWE4.0E-03	1.5-4⅓	1600	5116-8870	764-282	740-204
LWE4.0E-04	2.2-4⅓	1800	5756-9979	968-357	937-257

Model	Power (kw)	Speed (r/min)	Air volume (m³/h)	Total pressure (Pa)	Static pressure (Pa)
LWE4.0E-05	3-4⅓	2000	6395-11087	1194-440	1157-317
LWE4.0E-06	4-4⅓	2250	7195-12474	1512-557	1464-401
LWE4.0E-07	5.5-4⅓	2400	7674-13305	1720-634	1666-456
LWE4.5E-01	1.1-4⅓	1250	6147-9950	467-188	46-143
LWE4.5E-02	1.5-4⅓	1450	7140-11558	629-255	612-192
LWE4.5E-03	2.2-4⅓	1600	7873-12744	765-309	744-234
LWE4.5E-04	3-4⅓	1800	8866-14351	969-391	943-296
LWE4.5E-05	4-4⅓	2000	9847-15939	1196-483	1165-366
LWE4.5E-06	5.5-4⅓	2200	11076-17929	1513-611	1473-463
LWE4.5E-07	7.5-4⅓	2400	11821-19315	1722-695	1676-527
LWE5.0E-01	2.2-4⅓	1120	9413-14752	635-268	653-203
LWE5.0E-02	3-4⅓	1250	10538-16514	791-334	777-254
LWE5.0E-03	4-4⅓	1450	12225-19158	1065-450	1045-341
LWE5.0E-04	5.5-4⅓	1600	13484-21131	1297-548	1272-415
LWE5.0E-05	7.5-4⅓	1800	15170-23775	1641-693	1610-525
LWE5.0E-06	11-4⅓	2000	16862-26425	2026-856	1988-649
LWE5.0E-07	15-4⅓	2250	18961-29706	2563-1083	2515-821
LWE5.0E-08	18.5-4⅓	2400	18522-31706	2917-1233	2862-934
LWE5.6E-01	2.2-4⅓	1000	9702-15401	532-217	461-168
LWE5.6E-02	3-4⅓	1120	10843-17212	668-273	579-211
LWE5.6E-03	4-4⅓	1250	12139-19268	832-340	721-263
LWE5.6E-04	5.5-4⅓	1450	14082-22353	1120-457	970-354
LWE5.6E-05	7.5-4⅓	1600	15532-24655	1361-556	1181-431
LWE5.6E-06	11-4⅓	1800	17476-27740	1726-704	1495-546
LWE5.6E-07	15-4⅓	2000	19423-30831	2131-869	1845-673
LWE5.6E-08	18.5-4⅓	2250	21841-34670	2696-1100	2335-852
LWE5.6E-09	22-4⅓	2400	23306-36994	3068-1252	2657-970
LWE6.0E-01	4-4⅓	1000	12214-21072	686-257	671-181
LWE6.0E-02	5.5-4⅓	1120	13679-23602	861-322	842-227
LWE6.0E-03	7.5-4⅓	1250	15267-26340	1071-401	1049-283
LWE6.0E-04	11-4⅓	1450	17710-30555	1443-540	1441-381

Model	Power (kw)	Speed (r/min)	Air volume (m³/h)	Total pressure (Pa)	Static pressure (Pa)
LWE6.0E-05	15-4Ⅲ	1600	19542-33716	1757-657	1718-464
LWE6.0E-06	18.5-4Ⅲ	1800	21985-37930	2224-832	2174-587
LWE6.0E-07	22-4Ⅲ	2000	24427-42144	2745-1027	2684-725
LWE6.0E-08	30-4Ⅲ	2200	26870-46359	3322-1243	3248-877
LWE7.0E-01	5.5-4Ⅲ	1000	14976-27734	789-422	711-367
LWE7.0E-02	7.5-4Ⅲ	1120	16773-31062	989-529	966-460
LWE7.0E-03	11-4Ⅲ	1250	18720-34667	1233-660	1205-574
LWE7.0E-04	15-4Ⅲ	1300	19469-36054	1333-713	1302-620
LWE7.0E-05	18.5-4Ⅲ	1450	21715-40214	1794-960	1751-835
LWE7.0E-06	22-4Ⅲ	1600	23962-44374	2020-1081	1973-940
LWE7.0E-07	30-4Ⅲ	1800	26957-49920	2557-1369	2497-1190
LWE8.0E-01	5.5-4Ⅲ	900	17527-33049	868-555	860-493
LWE8.0E-02	7.5-4Ⅲ	1000	19474-37121	1071-686	1063-602
LWE8.0E-03	11-4Ⅲ	1120	21811-41576	1334-860	1333-756
LWE8.0E-04	15-4Ⅲ	1250	24341-46399	1674-1072	1660-942
LWE8.0E-05	18.5-4Ⅲ	1320	25704-48997	1867-1194	1851-1049
LWE8.0E-06	22-4Ⅲ	1450	28236-53823	2252-1441	2234-1267
LWE8.0E-07	30-4Ⅲ	1600	31157-59391	2743-1755	2720-1543
LWE9.0E-01	7.5-4Ⅲ	720	22895-40940	797-560	791-514
LWE9.0E-02	11-4Ⅲ	830	26393-47195	1059-744	1051-683
LWE9.0E-03	15-4Ⅲ	900	29692-53094	1341-942	1298-843
LWE9.0E-04	18.5-4Ⅲ	1000	32990-58993	1655-1162	1602-1040
LWE9.0E-05	22-4Ⅲ	1120	36950-66072	2076-1458	2010-1306
LWE9.0E-06	30-4Ⅲ	1250	39748-71076	2402-1688	2384-1549
LWE9.0E-07	37-4Ⅲ	1320	41974-75056	2679-1882	2659-1727
LWE9.0E-08	45-4Ⅲ	1450	46108-82449	3232-2271	3208-2085
LWE9.0E-09	55-4Ⅲ	1560	49606-88703	3741-2629	3713-2413