

Mixed Flow Fan

Professional HVAC Fan & Motors Manufacturer



Type Code

LW SWF-S - 2.5A - 0.18 - 4P - 1 - 001

Series Number

1-Single-phase
3-Three-phase

Poles

Power(KW)

Blade Diameter: 3A=3×100=300mm

SWF-S: Mixed Flow Fan

SWF-T: Two-speed Mixed Flow Fan

SWF-H: Single-speed High-pressure Mixed Flow Fan

LW-Longwell

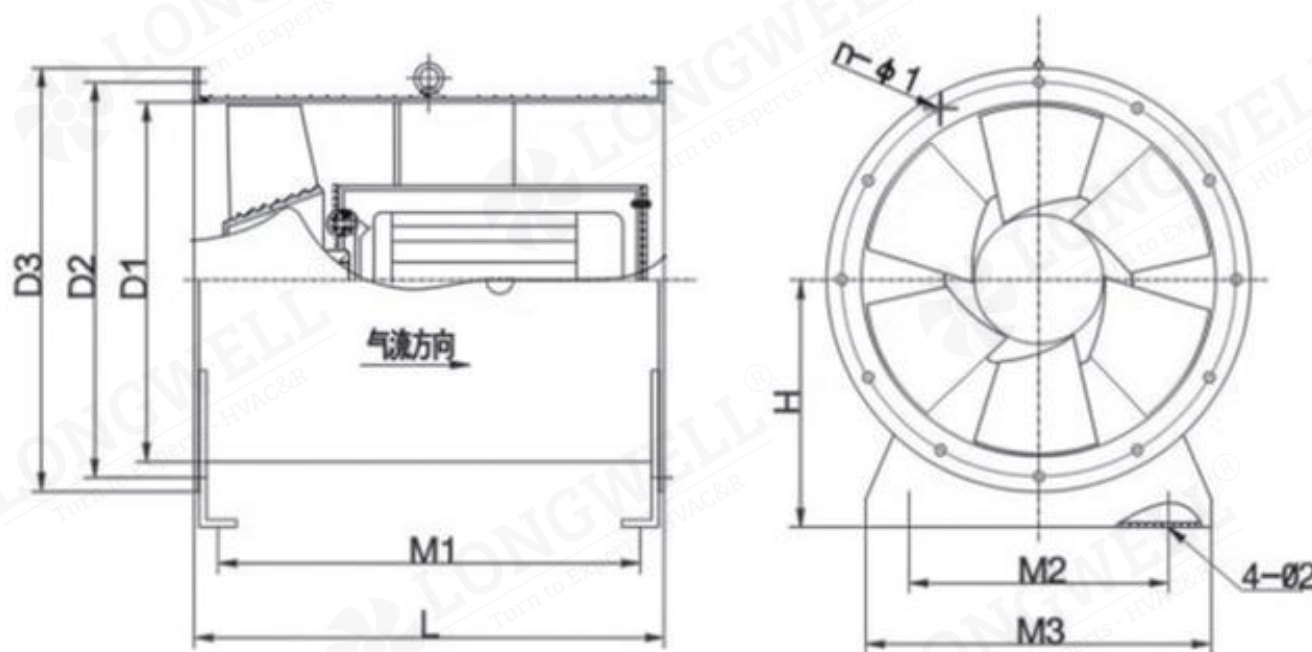
LWSWF-S/T/H Mixed Flow Fan

Performance Introduction

LWSWF-S/T/H Series Mixed flow fan is a new type of ventilator between Axial fan and Centrifugal Fan. Its air pressure is higher than that of the same numbers of axial fan, while its flow rates is higher than that of the same numbers of centrifugal fan. It has features as wider efficiency areas, higher efficiency, etc. It is widely used for hotels, office blocks, and high class buildings, refrigeration storage, textile industry, and other industrial and mineral plants to take place of low pressure centrifugal fan or high pressure axial fan so as to save a lot of silencers.



Mounting Dimensions



LWSWF-S/T/H Installation Dimension Sheet

Model	D1	D2	D3	Type I L	Type I M1	Type II L	Type II M1	Type III L	Type III M1	M2	M3	H	nXΦ1	Φ2
LWSWF-S/T/H-2.5A	260	290	320	300	265	/	/	/	/	170	220	190	6×Φ8	Φ12
LWSWF-S/T/H-3A	310	340	360	300	265	/	/	420	385	230	280	210	6×Φ8	Φ12
LWSWF-S/T/H-4A	410	440	470	380	340	/	/	500	460	310	370	280	6×Φ10	Φ14
LWSWF-S/T/H-4.5A	460	490	520	400	366	610	575	610	575	300	380	300	8×Φ11	Φ14
LWSWF-S/T/H-5A	510	540	570	440	405	590	555	590	555	340	420	325	8×Φ11	Φ14
LWSWF-S/T/H-6A	610	640	670	490	436	640	605	590	555	430	510	385	10×Φ11	Φ14
LWSWF-S/T/H-7A	710	745	780	550	495	600	545	720	665	500	600	440	12×Φ12	Φ14
LWSWF-S/T/H-8A	810	852	890	740	685	830	775	830	775	560	660	500	12×Φ12	Φ18
LWSWF-S/T/H-9A	910	942	980	740	685	890	834	840	784	700	800	560	12×Φ12	Φ18
LWSWF-S/T/H-10A	1000	1042	1080	780	724	950	894	840	784	750	850	640	12×Φ12	Φ18
LWSWF-S/T/H-11A	1100	1142	1180	810	734	950	875	880	805	800	1000	680	14×Φ12	Φ18
LWSWF-S/T/H-12A	1210	1256	1290	1050	984	1050	984	1050	984	1000	1100	700	14×Φ12	Φ18
LWSWF-S/T/H-13A	1310	1350	1390	1080	1014	1200	1130	1130	1064	1100	1200	750	16×Φ13	Φ18

LWSWF-S Technical Specifications

Model	Speed (r/min)	Matching Motor (Kw)	Air Volume (m³/h)	Total Pressure (Pa)	Noise [dB(A)]
LWSWF-S-2.5A-0.18-4P-1-001	1450	0.18	1362-743	96-166	≤64
LWSWF-S-3A-0.25-4P-1-001	1450	0.25	2312-1606	121-236	≤66
LWSWF-S-4A-0.37-4P-1-001	1450	0.37	4512-2765	128-285	≤71
LWSWF-S-4.5A-0.55-4P-1-001	1450	0.55	4728-3160	182-306	≤73
LWSWF-S-5A-1.1-4P-1-001	1450	1.1	8652-4896	196-382	≤77
LWSWF-S-6A-1.5-4P-1-001	1450	1.5	11625-7560	165-382	≤79
LWSWF-S-7A-3-4P-1-001	1450	3	18800-11780	329-470	≤82
LWSWF-S-7A-1.1-6P-1-002	960	1.1	13820-8246	186-278	≤74
LWSWF-S-8A-4-6P-1-001	960	4	25467-16269	193-516	≤82
LWSWF-S-9A-5.5-6P-1-001	960	5.5	34206-22011	282-564	≤86
LWSWF-S-10A-7.5-6P-1-001	960	7.5	44054-29902	288-496	≤86
LWSWF-S-11A-11-6P-1-001	960	11	48729-35294	310-516	≤86
LWSWF-S-12A-15-8P-1-001	720	15	64292-47534	429-625	≤91
LWSWF-S-13A-15-8P-1-001	720	15	71565-51596	441-637	≤91

LWSWF-T Technical Specifications

Model	Speed (r/min)	Two-speed Motor (Kw)	Air Volume (m³/h)	Total Pressure (Pa)	Noise [dB(A)]
LWSWF-T-5A-5.5-2P-1-001	2900	5.5	13110-9876	801-1316	≤83
LWSWF-T-5A-4.5-4P-1-002	1450	4.5	8652-4896	196-382	≤77
LWSWF-T-6A-8-2P-1-001	2900	8	19230-15210	836-1365	≤85
LWSWF-T-6A-8.5-4P-1-002	1450	6.5	11625-7560	165-382	≤79
LWSWF-T-7A-2.8-4P-1-001	1450	2.8	18800-11780	329-470	≤82
LWSWF-T-7A-2.2-6P-1-002	960	2.2	13820-8246	186-278	≤74
LWSWF-T-8A-11-4P-1-001	1450	11	37350-28564	809-1305	≤90
LWSWF-T-8A-9-6P-1-002	960	9	25467-16269	193-516	≤82
LWSWF-T-9A-17-4P-1-001	1450	17	46138-33579	785-1343	≤92
LWSWF-T-9A-8-6P-1-002	960	8	34206-22011	282-564	≤86
LWSWF-T-10A-24-4P-1-001	1450	24	51821-40528	792-1378	≤93
LWSWF-T-10A-8-6P-1-002	960	8	44054-29902	288-496	≤86
LWSWF-T-11A-24-4P-1-001	1450	24	59521-48177	806-1382	≤94
LWSWF-T-11A-8-6P-1-002	960	8	48729-35294	310-516	≤86
LWSWF-T-12A-25-6P-1-001	960	25	71092-55852	786-1308	≤95
LWSWF-T-12A-12-8P-1-002	720	12	64292-47534	429-625	≤91
LWSWF-T-13A-30-6P-1-001	960	30	87761-68652	805-1329	≤95
LWSWF-T-13A-18-8P-1-002	720	18	71565-51596	441-637	≤91

LWSWF-H Technical Specifications

Model	Power (Kw-p)	Speed (r/min)	Air Volume (m³/h)	Total Pressure (Pa)	Noise [dB(A)]
LWSWF-H-3A-2.2-2P-1-001	2.2	2900	4652-3212	512-883	73
LWSWF-H-4A-4-2P-1-001	4.0	2900	7228-5242	654-1248	78
LWSWF-H-4.5A-5.5-2P-1-001	5.5	2900	9169-7124	672-1298	80
LWSWF-H-5A-5.5P-1-001	5.5	2900	13110-9876	801-1316	83
LWSWF-H-6A-7.5-2P-1-001	7.5	2900	19230-15210	836-1365	85
LWSWF-H-7A-11-4P-1-001	11	1450	31380-27330	600-980	92
LWSWF-H-8A-15-4P-1-001	15	1450	37350-28564	809-1305	91
LWSWF-H-9A-18.5-4P-1-001	18.5	1450	46138-33579	785-1343	92
LWSWF-H-10A-18.5-4P-1-001	18.5	1450	51821-40528	792-1378	93
LWSWF-H-11A-22-4P-1-001	22	1450	59521-48177	806-1382	94
LWSWF-H-12A-22-6P-1-001	22	960	71092-55852	786-1308	95
LWSWF-H-13A-30-6P-1-001	30	960	87761-68652	805-1329	95