LONGWELL®
Turn to Experts - HVAC&R

Split Duct Fan

Professional HVAC Fan &Motors Manufacturer





Ningbo Longwell Electric Technology Co., Ltd
https://www.longwellfans.com Email:sales@zjlongwell.com

Silent Fan-Split Type (Single Air Intake)

The adoption of EC variable frequency motors enables the fan to achieve higher operational efficiency and precise speed regulation capabilities.It can be customized with various control methods according to the products in use,such as voltage speed regulation,PWM signal speed regulation,and pulse speed regulation.The air volume can be flexibly adjusted according to actual needs,enhancing the overall performance of the system.The all-metal box body is made of high-quality plates.The casing is integrally formed,which is not easy to deform or dent,and is not prone to corrosion or rust.Circulating fresh air purifies the environment,expels polluted air,sucks away odorous gases,and removes floating dust in the environment.

- High wind pressure
- High air volume
- Low power consumption
- Long lifespan (50000h)
- Low noise
- Protection grade IP44

Intelligent Controller

C4 Intelligent 86 Controller



Temperature/humidity sensing function

Ten-speed speed regulation

- Outstanding performance:Temperature control accuracy±1 degree,self-consumption power less than 1w The frequency of the relay switch is greater than 100,000 times.
- Ten-speed wind adjustment:Adjust the air volume from 1 to 10 as you like.
- Intelligent detection:Real-time monitoring of spatial environmental temperature and humidity to make the environment more comfortable.

C5 86 Stepless Speed Controller



Rotary knob stepless speed regulation

- Adjustment method: From small to large.
- Simple operation:Adjust the fan easily.
- Smooth and comfortable:The wind speed adjustment is stable and the noise control is low.
- Strong compatibility:Provide stable and reliable general solutions.

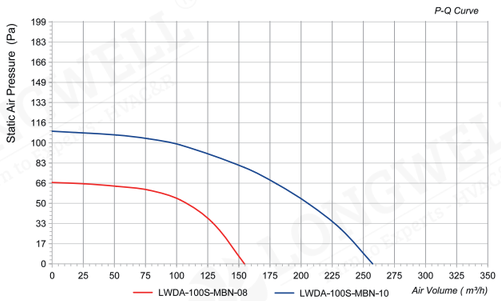
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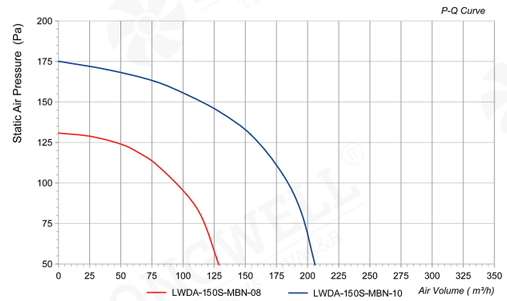
Product Parameters

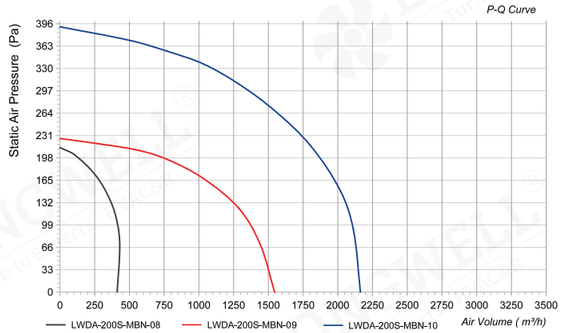
Performance Parameter

Model	Voltage (V)	Power (W)	Air Flow (m³/h)	Pressure (Pa)	Noise (dB(A))	Diamter of Air-Outlet(mm)	Applicable Area(m²)	Weight (kg)
LWDA-100S-MBN-08	110-240	28	155	67	40	100	6-10	2.3
LWDA-100S-MBN-09	110-240	25	155	67	38	100	10-12	2.0
LWDA-100S-MBN-10	110-240	30	258	109	45	100	10-12	2.3
LWDA-100S-MBN-11	110-240	30	258	109	40	100	10-12	2.2
LWDA-150S-MBN-08	110-240	33	129	131	42	150	10-25	3.5
LWDA-150S-MBN-09	110-240	33	391	131	41	150	10-25	3.3
LWDA-150S-MBN-10	110-240	70	206	175	46	150	10-25	4.6
LWDA-200S-MBN-08	110-240	120	412	213	48	200	25-38	7.8
LWDA-200S-MBN-09	110-240	190	1545	227	52	200	48-80	8.5
LWDA-200S-MBN-10	110-240	270	2163	391	62	200	80-90	10.5

Performance Curves

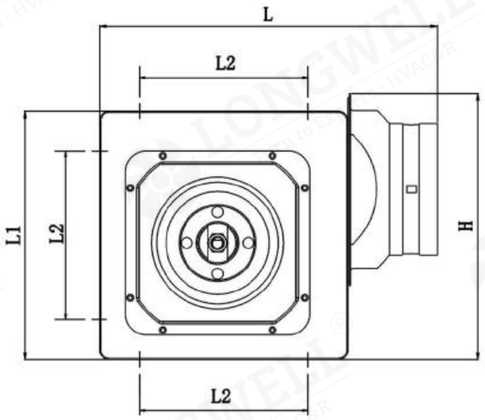


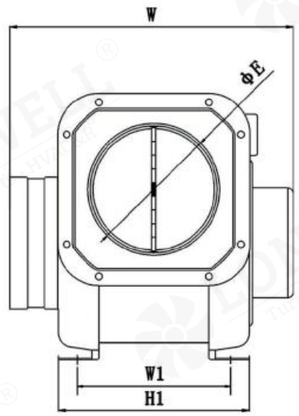




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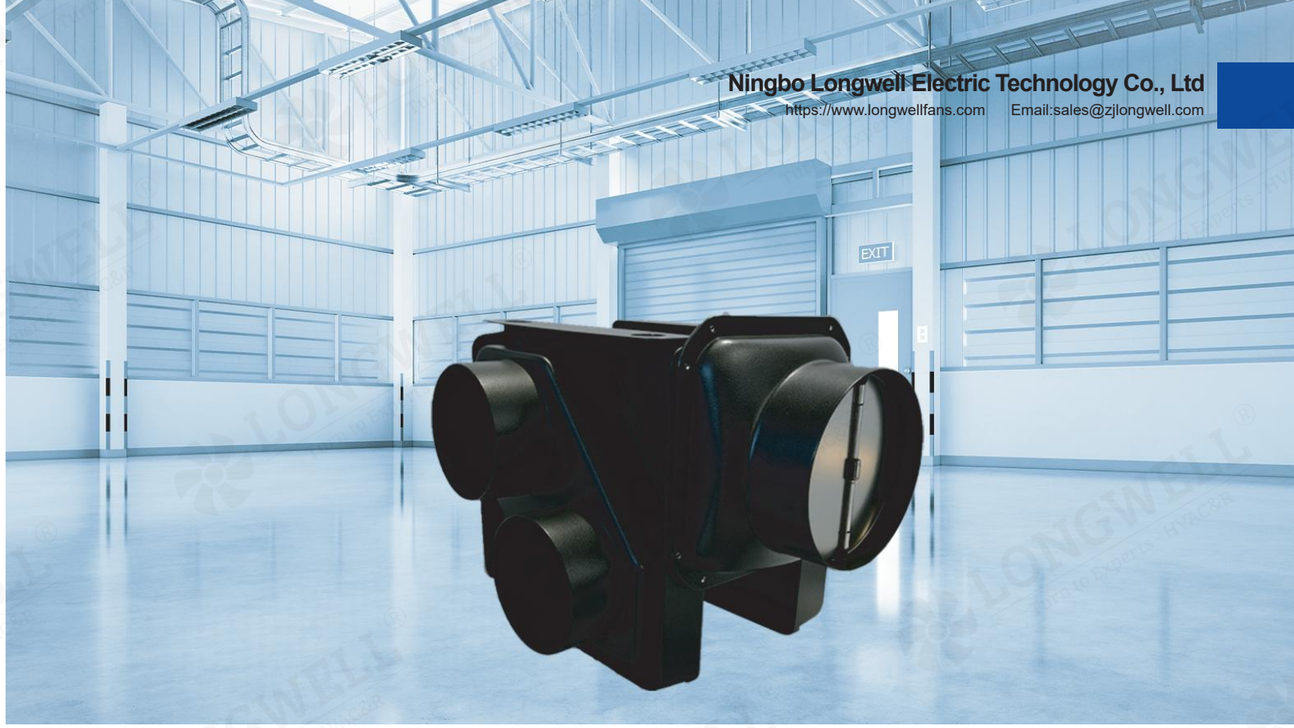
Structure and Size(mm)





Unit (mm)

Model	L	L1	L2	W	W1	H	H1	ΦE	I
LWDA-100S-MBN-08	246	181	122.5	206	111.5	194	139	98	98
LWDA-100S-MBN-09	246	181	122.5	206	111.5	194	139	98	98
LWDA-100S-MBN-10	246	181	122.5	206	111.5	194	139	98	98
LWDA-100S-MBN-11	246	181	122.5	206	111.5	194	139	98	98
LWDA-150S-MBN-08	306	230	122.5	247	141.5	259	176	150	150
LWDA-150S-MBN-09	306	230	122.5	247	141.5	259	176	150	150
LWDA-150S-MBN-10	329	252	142	235	150.5	272	176	150	150
LWDA-200S-MBN-08	369	297	170	290	185.5	325	220	200	200
LWDA-200S-MBN-09	369	297	170	290	185.5	325	220	200	200
LWDA-200S-MBN-10	403	331	198	323	226	362	295	200	200



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Silent Fan -Split Type (Double Air Intake)

The adoption of EC variable frequency motors enables the fan to achieve higher operational eficiency and precise speed regulation capabilities.It can be customized with various control methods according to the products in use,such as voltage speed regulation,PWM signal speed regulation,and pulse speed regulation.The air volume can be flexibly adjusted according to actual needs,enhancing the overall performance of the system.The all-metal box body is made of high-quality plates.The casing is integrally formed,which is not easy to deform or dent,and is not prone to corrosion or rust.Through structural optimization design,the overall height of the product has been reduced.The structure is exquisite and compact,making it suitable for more space-con-strained places.


High wind pressure


High air volume


Low power consumption



Long lifespan


Low noise


Protection grade IP44

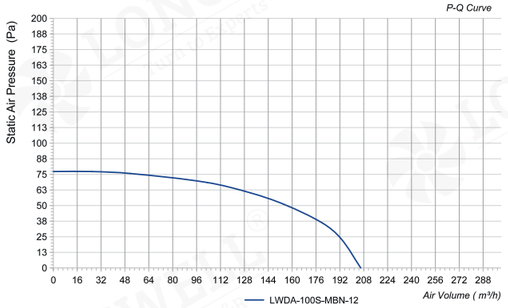
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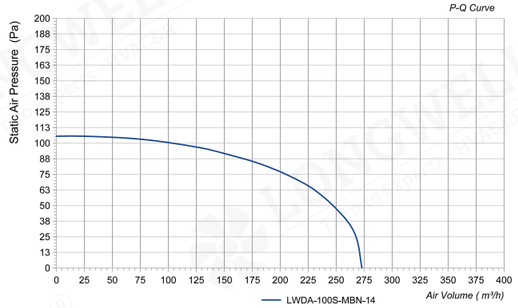
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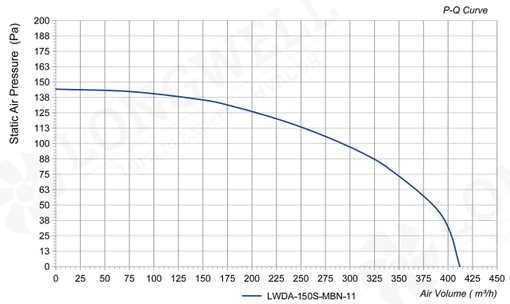
Performance Parameter

Model	Voltage (V)	Power (W)	Air Flow (m³/h)	Pressure (Pa)	Noise (dB(A))	Diamter of Air-Outlet(mm)	Applicable Area(m²)	Weight (kg)
LWDA-100S-MBN-12	110-240	28	206	77	38	80 in 100 out	7-15	2.3
LWDA-100S-MBN-13	110-240	25	165	77	38	80 in 100 out	7-15	2.3
LWDA-100S-MBN-14	110-240	30	273	106	43	80 in 100 out	7-15	2.6
LWDA-100S-MBN-15	110-240	30	206	206	43	80 in 100 out	7-15	2.5
LWDA-150S-MBN-11	110-240	33	410	144	52	100 in 150 out	7-15	4.6
LWDA-150S-MBN-12	110-240	33	309	412	41	100 in 150 out	10-25	4.3

Performance Curves

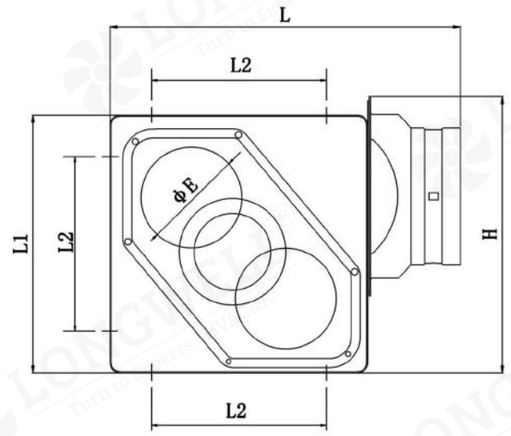


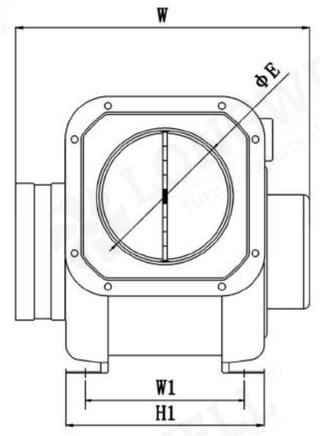




Product Parameters

Structure and Size(mm)





Unit (mm)

Model	L	L1	L2	ΦE	W	W1	H	H1	I
LWDA-100S-MBN-12	246	181	122.5	75	210	111.5	194	139	98
LWDA-100S-MBN-13	230	181	120	75	210	105	200	120	100
LWDA-100S-MBN-14	246	180	122.5	75	210	111.5	194	139	98
LWDA-100S-MBN-15	230	180	120	75	210	105	200	120	100
LWDA-150S-MBN-11	306	230	122.5	100	243	141.5	259	176	150
LWDA-150S-MBN-12	306	230	122.5	100	243	141.5	259	176	150