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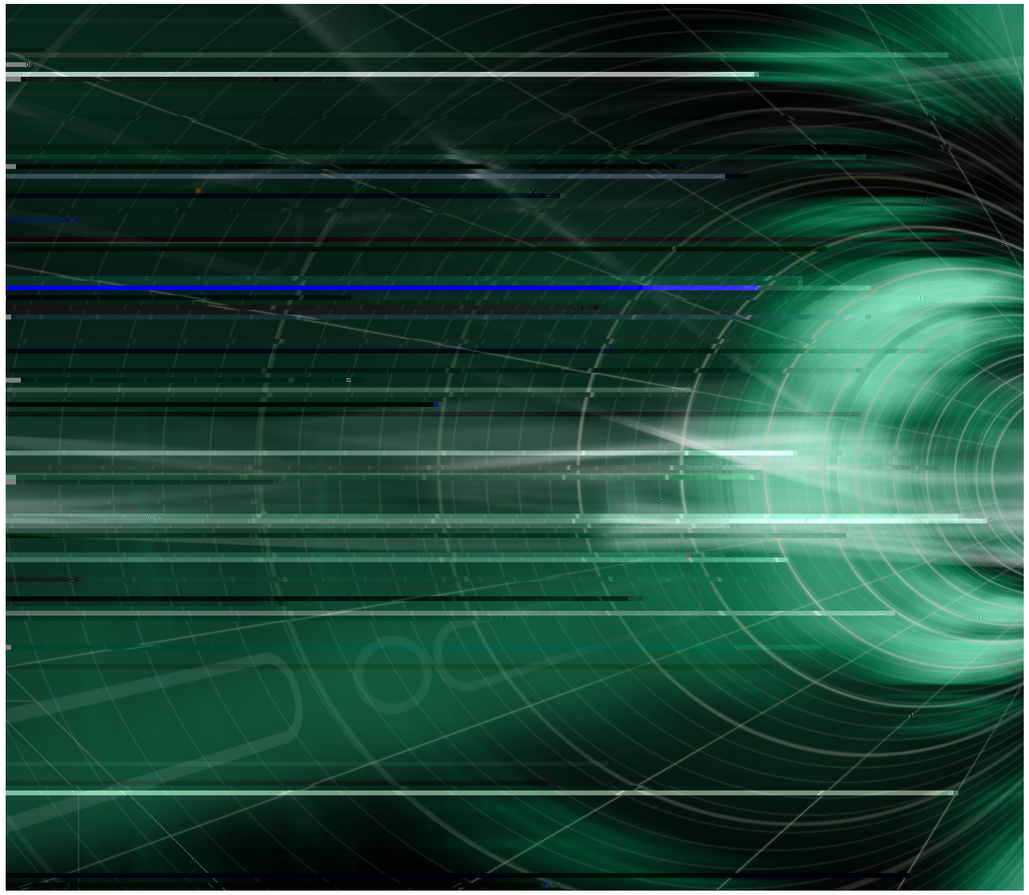


Direct Driven

This fan features described in the sample, such as size, performance parameters, the Company reserves the right to change without notice; if unknown place, please call us.

SYP SERIES

QWN ˝Ω У ł

The SYP Series Centrifugal Fan

QWN ˝Ω

	= 0.95 kg
	= 1400 r/

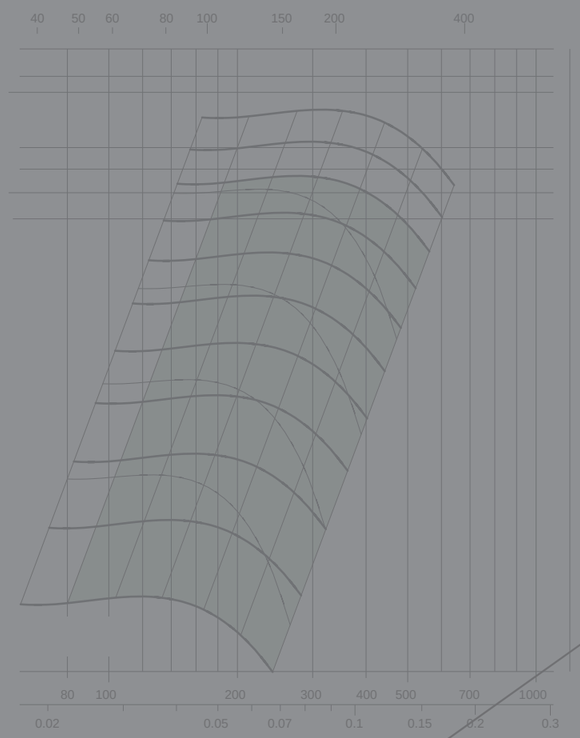
Curves

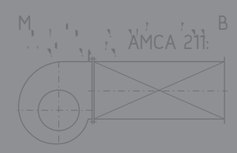
of installation type B: free inlet, ducted outlet. Power rating (kW) does not include losses. Performance ratings do not include the effects of appurtenances (accessories). The weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet $L_{wi}A$ sound power levels for installation type B: free inlet, ducted outlet.

B (kW)

( ) A AMCA International 301 B

$L_{wi}A$





Overall Size

Technical Data

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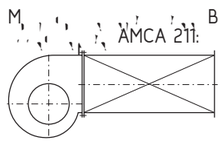
Performance Curves

Performance certified is for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet $L_{wi}A$ sound power levels for installation type B: free inlet, ducted outlet.

B (kW)

( ) A AMCA International 301 B

$L_{wi}A$



Overall Size

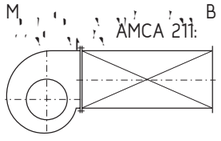
Technical Data

Performance Curves

Performance certified is for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L_{WI}A sound power levels for installation type B: free inlet, ducted outlet.

B (kW)

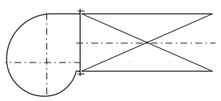
( ) A AMCA International 301 M



Overall Size

Technical Data

Performance Curves



Overall Size

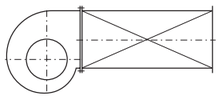
Technical Data

Performance Curves

Overall Size

Technical Data

Performance Curves



Overall Size

The Smart Air

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Summary

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SYZ series centrifugal air-conditioning fans are based on SYT series, which are newly developed and manufactured products with internationally advanced by this company. It was developed by using high technology and with low noise and compact structure. It was specially designed for the air-conditioning. The flow rate and total pressure range of this series fan are from 800m /h to 5000m /h. It is the ideal equipment for the changeable air conditioners, tube type units, VAV system, heating and other kind of fan system.

Nomenclature

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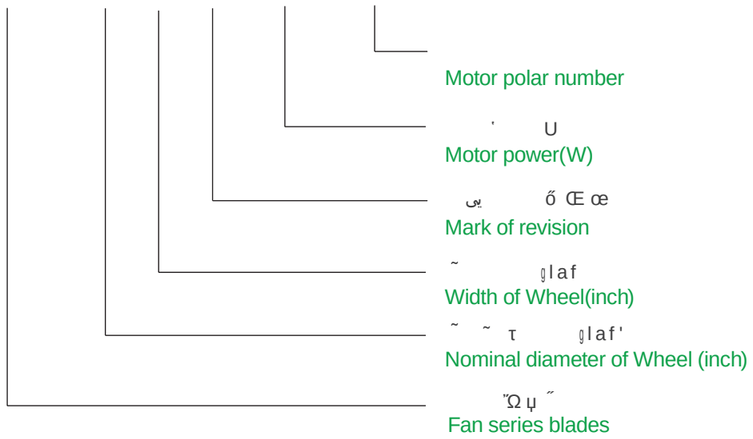
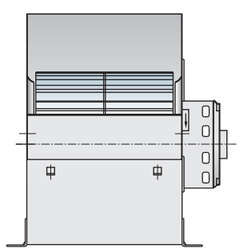


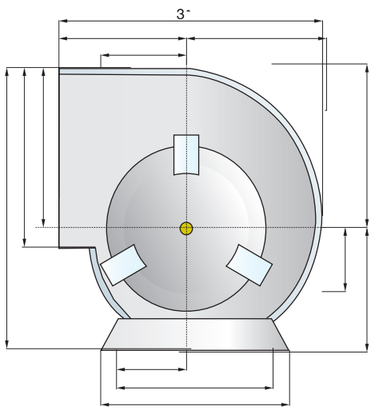


SYZ 9-7 I 375w-4

SYZ 9-7 I 375w-6

Type: SYZ 9-7 I	m: 15.7 kg	P_N: 375W-6P
	U: 220 v	f_1: 50HZ
	I_N: 3.5 A	IP: IP20

	n(r/min)	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	L_{WA} dB（A）
A	969	55.0	63.4	59.3	61.7	60.1	57.8	48.7	68.2
B	952	53.0	60.1	61.4	64.5	62.9	62.7	53.7	69.8
C	937	53.2	61.2	64.0	67.6	65.9	66.9	59.2	72.9
D	924	56.1	63.3	65.5	69.4	68.0	69.2	62.0	74.9
E	909	58.5	65.5	66.8	71.0	69.9	71.0	64.4	76.7
F	895	59.8	66.6	67.8	72.2	71.1	72.5	66.1	78.0

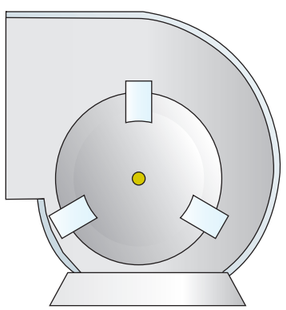


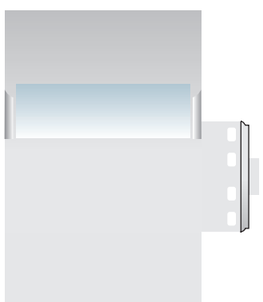
SYZ 9-9 I 375w-6

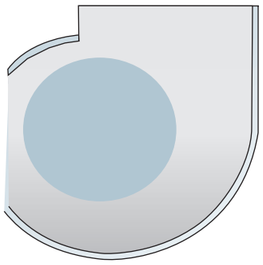
SYZ 9-9 I 450w-4

Type: SYZ 9-9 I	m: 16.75 kg	P_N: 450W-4P
	U: 220 v	f_1: 50HZ
	I_N: 5.0 A	IP: IP20

	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	L_{WA} dB（A）
A	65.0	71.2	66.9	69.3	67.6	65.9	57.8	76.0
B	64.1	70.5	66.5	69.9	68.4	66.7	58.5	76.1
C	60.4	67.9	65.1	69.5	68.3	67.2	58.9	75.1
	59.4	67.6	66.7	71.1	69.8	69.1	60.7	76.3
	59.6	67.3	67.6	71.9	70.4	70.2	62.2	77.0
	59.0	66.3	67.2	71.5	70.2	70.4	62.7	76.8







SYZ 10-10 II 375w-6

SYZ 10-10 II 450w-6

Type: SYZ 10-10 II	m: 17.25 kg	P_N: 450W-6P
	U: 220 v	f_1: 50HZ
	I_N: 3.7 A	IP: IP20

	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	L_{WA} dB (A)
A	59.3	75.8	61.8	64.0	61.7	58.2	48.2	76.6
B	59.2	76.2	62.0	64.6	62.5	59.2	49.7	77.0
C	57.5	75.0	62.2	67.1	66.0	63.8	55.7	76.6
D	56.2	72.3	63.4	68.1	67.8	65.8	57.9	75.6
E	57.0	69.5	65.9	71.6	71.0	69.7	61.8	77.1
F	58.5	67.9	67.5	73.5	73.1	72.3	64.2	78.8

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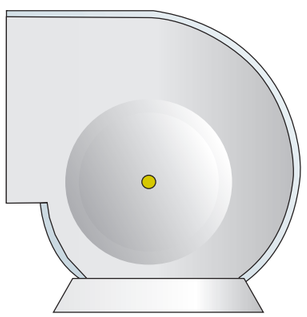
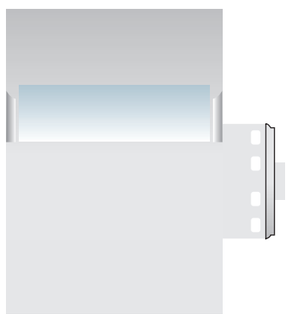
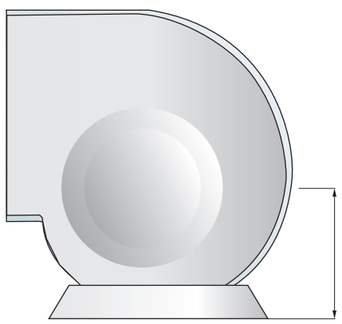
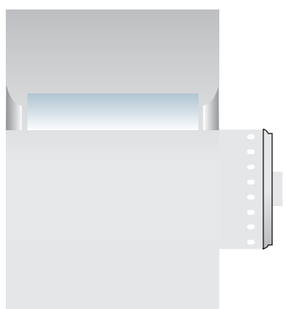




SYZ 10-10 III 375w-6

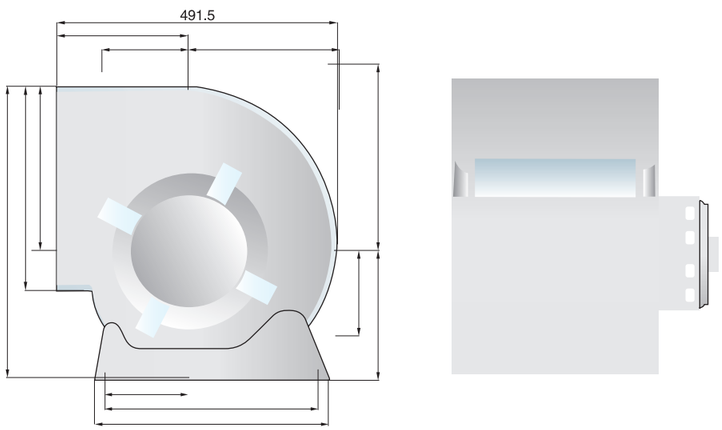
SYZ 10-10 III 450w-6





SYZ 12-9 I 550w-6

SYZ 12-9 I 750w-6



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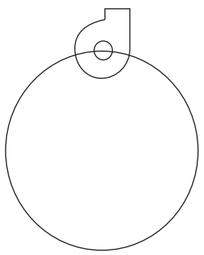

SYB SERIES

QW@ ‘Ω У ł

The SYB Series Centrifugal Fan

Instructions

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Instructions

1) The rated motor power as calculated herein might not be sufficient to drive the fan with an unrestricted discharge flow. Operating the fan with an unrestricted discharge outlet will result in flow rate that exceeds the specified fan capabilities. Such operation will quickly burn the motor and damage the fan. Great care must be taken in operating the fan to make sure that the maximum rated flows, as provided on the performance charts in this catalog, are not exceeded.

2) The fan performance in the catalog is tested under the motor rated speed, we can meet the actual requirement of the user by changing the motor speed.

3) Special care should be taken during transportation, load and unload.The fan is limited for use in areas where air substances are non-corrosive, non-toxics and non-erosive.

4) Following the installation, the Wheel should be turned by hand or with the use of a wrench to make sure that it turns freely without colliding with other parts of the fan. Once all this is done, the fan can be commissioned normally.

5) A flexible connector should be used between the fan out let flange and its mating ductwork. The flex connector should not be over-stretched.

6) The inside of the scroll and casing need to be checked to make sure that there are no foreign objects inside the housing, such as tools or loose parts.

7) The rotational directions of the motor and Wheel should be checked to ensure that they are in compliance with the specification and purchase orders.

8) During ordering it is necessary to state the type of fan, motor type, air flow, air pressure and other parameters.

Technical Data

SYB200 I 0.18kW-4P

Type: SYB200 I	m: 15 kg	P_N: 0.18kW-4P
	U: 380 v	f_1: 50HZ
	I_N: 0.56 A	IP: IP44

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73.2
74.6
77.1
77.5
78.1
78.4

SYB200 I 0.18kW-6P

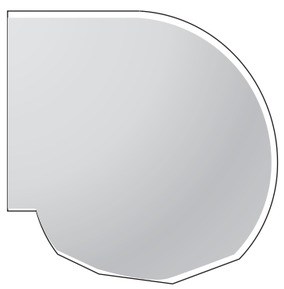
Type: SYB200 I	m: 15 kg	P_N: 0.18kW-6P
	U: 380 v	f_1: 50HZ
	I_N: 0.79 A	IP: IP44

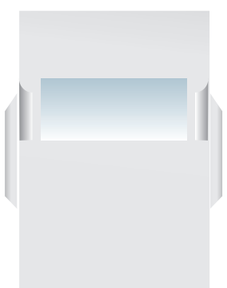
46.2 55.2 58.7 63.0 60.5 58.6 49.9 67.0
46.6 56.2 58.7 62.6 59.2 56.2 46.0 66.3
50.6 59.1 61.5 65.2 63.1 61.5 52.6 69.7
52.3 60.4 62.8 66.5 64.5 63.4 54.9 71.1
52.8 62.4 64.8 69.1 67.2 66.1 58.5 73.6
54.4 63.3 65.9 70.4 68.5 67.6 60.2 74.9

Overall Size

Technical Data

Overall Size





Technical Data

Overall Size

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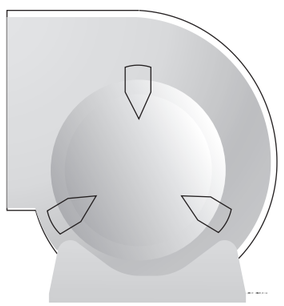

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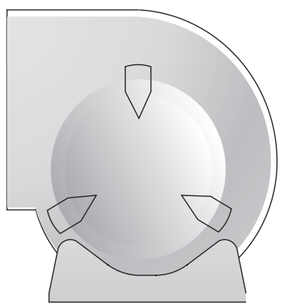
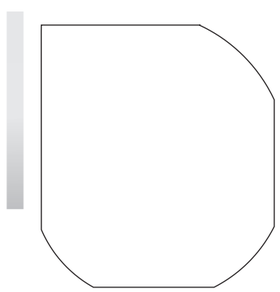


Technical Data

SYB355 I 1.1kW-6P	SYB355 I 1.1kW-8P

Overall Size



Technical Data

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Overall Size

Technical Data

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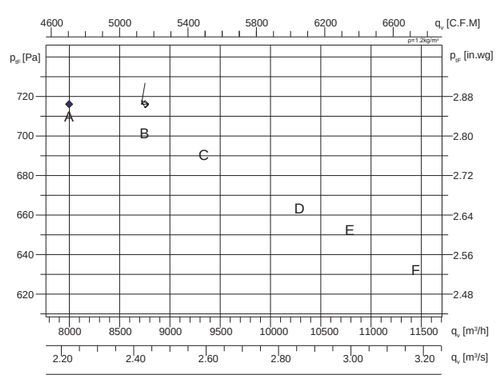
Technical Data

SYB450 I 4kW-6P



Type: SYB450 I	m: 96 kg	P_N: 4kW-6P
	U: 380 v	f_1: 50HZ
	I_N: 9.9 A	IP: IP44

	n(r/min)	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	L_{wA} dB (A)
A	965	69.3	73.0	81.8	80.5	78.6	75.6	68.7	86.1
B	961	69.2	73.4	83.7	81.4	79.0	76.9	69.8	87.3
C	958	69.5	74.2	84.8	83.0	81.1	77.9	71.1	88.7
D	951	70.6	75.5	85.1	84.9	82.8	78.8	72.4	89.8
E	949	71.0	75.9	85.8	85.0	82.6	80.0	73.0	90.2
F	944	71.7	76.7	85.9	86.2	84.1	81.3	74.3	91.1

Overall Size

Technical Data

Overall Size

SYBS SERIES

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1) The rated motor power as calculated herein might not be sufficient to drive the fan with an unrestricted discharge flow. Operating the fan with an unrestricted discharge outlet will result in flow rate that exceeds the specified fan capabilities. Such operation will quickly burn the motor and damage the fan. Great care must be taken in operating the fan to make sure that the maximum rated flows, as provided on the performance charts in this catalog, are not exceeded.

2) The fan performance in the catalog is tested under the motor rated speed, we can meet the actual requirement of the user by changing the motor speed.

Technical Data

SYBS 225E

Type: SYBS 225E-4	m:	14 kg	P_N:	0.48kW-4P
	U:	230 v	N:	1330 r/min
	I_N:	2.2 A	IP:	IP54

SYBS 225D

Type: SYBS 225D-4	m:	14 kg	P_N:	0.36kW-4P
	U:	380 v	N:	1330r/min
	I_N:	0.68 A	IP:	IP54

Overall Size