

## SAS /SWS-S Series Specifications

MODEL	AIR-COOLED												
	SAS4SD-57/67	SAS6SD-5.7/67	SAS8SD-57/67	SAS11SD-57/67	SAS15SD-57/67	SAS22SD-58/58	SAS37SD-58/68	SAS55SD-57/67	SAS75SD-57/67	SAS100SD-57/67			
<b>• Compressor</b>													
Type	Rotary twin screw single-stage oil-cooled												
Free air Delivery(FAD)*1	m/min	0.44	0.72	1.1	1.6	2.4	3.7	6.1	9.1	12.4	17.2		
Working pressure	MPa	0.83[8.5kgf/cm <sup>2</sup> ]				0.69[7kgf/cm <sup>2</sup> ]			0.7[7.1kgf/cm <sup>2</sup> ]				
Volumetric control system		2 points ON-OFF unloader + purge unloader + auto-start/stop device			Suction port closing + purge unloader + auto –start/stop device								
Suction conditions		Atmospheric pressure*2-40°C											
Lubrication oil Capacity*2	L	3	4	8	10	11	13.5	24	44	48	80		
Discharge pipe dia	A	10(3/8B)	15(1/2B)	20(3/4B)	25(1B)			40(11/2B)	50(2B)				
<b>• Motor</b>													
Type	Totally –enclosed cage motor 3 phase												
Output	kW	3.7	5.5	7.5	11	15	22	37	55	75	100		
Frequency	Hz	50/60											
Voltage	V	200/200*220											
No. of poles	P	2			4					2			
Starting Method		Direct-starting					Star-delta (3 characters)						
<b>• Dimensions and weight</b>													
Width*4	mm	730	865	950	1110	1110	1380	1620	2280(1780)	2555(2055)	2780		
Depth	mm	500	565	630	680	680	720	880	1120	1120	1440		
Height	mm	770	890	1050	1270	1270	1350	1450	1500	1500	1780		
Weight	kg	165(200)	230(200)	320(290)	400(365)	430(395)	670(630)	960(900)	1560(1350)	1780(1570)	2530(2300)		
Noise level*4	dB(A)	53	53	53	55	55	56	62	66	69	74		
<b>• Dryer</b>													
Input	kW	0.196/0.236	0.21/0.23	0.4/0.45	0.49/0.57	0.49/0.57	1.57/1.94	1.5/1.9	2.3/2.8	2.3/2.8	3.5/4.3		
Dew point at outlets*5	°C	10 (under pressure)											

## Specifications

MODEL		Air-cooled				Water-cooled	
		SAA22UD-58/68	SAS37UD-58/68	SAS55UD-57/67	SAS75UD-57/67	SWS55UD-57/67	SWS75UD-57/67
<b>• Compressors</b>							
Type							
Free Air Delivery (FAD)*1	m <sup>3</sup> /min	3.7	6.1	9.1	12.4	9.1	12.4
Working Pressure	MPa	0.69- 0.59 [7-6kgf/cm <sup>2</sup> ]		0.7-0.6[7.1-6.1kgf/cm <sup>2</sup> ]		0.7-0.6[7.1-6.1kgf/cm <sup>2</sup> ]	
Volumetric control system		AIRMAN Unloader + ACCS				AIRMAN Unloader + ACCS	
Suction conditions		Atmospheric pressure *2 – 40°C				Atmospheric pressure *2 – 40°C	
Lubrication oil capacity*2	L	13.5	23.5	44	48	44	48
Discharge pipe dia	A	25(1B)	40(11/2B)	50(2B)	50(2B)	50(2B)	50(2B)
<b>• Motor</b>							
Type		Totally-enclosed cage motor 3 phase				Totally-enclosed cage motor 3 phase	
Output	kW	22	37	55	75	55	75
Frequency	Hz	50/60				50/60	
Voltage	V	200/200*220				200/200*220	
No. of poles	P	4			2	4	2
Starting method		Star-delta(3 contactors)				Star-delta(3 contactors)	
<b>• Dimensions and Weight</b>							
Overall width	mm	1380	1620	2280 (1780)*3	2555(2055)*3	2280(1780)*3	2555(2055)*3
Overall depth	mm	720	880	1120	1120	1120	1120
Overall height	mm	1350	1450	1500	1500	1500	1500
Weight*3	kg	670(630)	960(900)	1560(1350)	1780(1570)	1560(1350)	1780(1570)
Noise level*4	dB(A)	56	60	66	69	66	69
<b>• Dryer</b>							
Input	kW	1.57/1.94	1.5/1.9	2.3/2.8	2.3/2.8	2.3/2.8	2.3/2.8
Dew point at outlets*5	°C	10(under pressure)				10 (under pressure)	

\*1 FAD is converted at suction conditions at atmospheric pressure and 30°C. As for guaranteed value, please ask us if necessary.

\*2 Do not fail to use our genuine compressor oil\*AIRMAN LONGLIFE\*.

\*3 Figures in bracket show those of the unit without dryer.

\*4 Noise level is measured at the distance of 1.5m (front) AND 1.2 height from unit at full load.

\*5 Dew point at outlet is the one at the ambient temperature of 30°C.

\* Other voltages than above standard ones are available upon request.

## SAS /SWS-U Series Specifications

MODEL		WATER-COOLED							
		SWS22SD-58/68	SWS37SD-58/68	SWS55SD-57/67					
<b>• Compressor</b>									
Type		Rotary twin screw single-stage oil-cooled							
Free air delivery(FAD)*1	m/min	3.7	6.1	9.1	12.4	17.2	20.8	24.3	
Working Pressure	MPa	0.69[7kg/cm]			0.7[7.1kgf/cm]				
Volumetric Control System		Suction port closing + purge unloader + auto-start /stop device							
Suction Conditions		Atmosphere pressure*2-40°C					Atmosphere pressure*0-40C		
Lubrication oil capacity*2	L	13.5	24	44	48	80	85		
Discharge pipe dia	A	25(1B)	40(11/2B)	50(2B)			65(21/2B)		
<b>• Motor</b>									
Type		Totally-enclosed cage motor 3 phase							
Output	kW	22	37	55	75	100	125	150	
Frequency	Hz	50/60							
Voltage	V	200/200*220					400/400*440		
No. of poles	P	4				2			
Starting Method		Star-delta (3 contactors)							
<b>• Dimensions and Weight</b>									
Width*4	mm	1380	1620	2280(1780)	2555(2055)	2780			
Depth	mm	720	880	1120		1440			
Height	mm	1350	1450	1500		1780			
Weight*3	kg	670(630)	960(900)	1550(1340)	1720(1510)	2530(2330)	2380	2480	
Noise level*4	dB(A)	56	60	64	67	75			
<b>• Dryer</b>									
Input	kW	kW	1.57/1.94	1.5/1.9	2.3/2.8	2.3/2.8	3.54.3	-	
Dew points at outlets*5	°C	10 (under pressure)							-

\*1 FAD is the value converted at the suction conditions of atmospheric pressure and at 30°C

As for guaranteed AD, please ask us if necessary.

\*2 Do not fail to use our genuine compressor oil\*AIRMAN LONGLIFE\*.

\*3 Figures in bracket show those of the unit without dryer.

\*4 Noise level is measured at the distance of 1.5m (front) AND 1.2 height from unit at full load.

\*5 Dew point at outlet is the one at the ambient temperature of 30C.

\* Other voltage than above standard ones are available upon request.

\* The specifications are subject to change without prior notice.

\* Above SAS55/75 & SWS55/75 can be supplied without AIRMAN unloader as option.