

100% Performance. 0% oil.

Advanced technology for oil-free compressed air.
AQUAAIR provides high-quality screw-compressors for
compressing atmospheric air.

Innovative, safe, clean and energy-efficient. Made in Germany

AQUAAIR®

60HP 75HP 100HP 125HP 150HP

Technical Data Sheet

Screw Compressor	SPAA-60WC-VFD	SPAA-75WC-VFD	SPAA-100WC-VFD	SPAA-125WC-VFD	SPAA-150WC-VFD	
Motor Rating	60	75	100	125	150	HP
Volume Flow Rate	263	316	410	516	607	CFM
based on:						
Intake Air Temperature	20	20	20	20	20	°C
Intake Pressure	1	1	1	1	1	bar (a)
Volume flow rate, 8 bar gauge*	254	308	400	498	588	cfm
Volume flow rate, 10 bar gauge*	222	270	369	452	545	cfm
Water Injection Temperature	5	5	5	5	5	°C
Final Discharge Pressure, 10 bar gauge**	145	145	145	145	145	PSI
Final Compression Temperature (increase over intake temperature)	~10	~10	~10	~10	~10	K
Coupling Power	45	55	35-80	35-95	35-119	kW
Rated Speed Main Rotor	1,500-1,950	1,500-2,350	1,500-3,300	1,500-4,000	1,500-5,000	RPM
Volume Flow Rate	230- 263	230-316	247 - 410	247-516	247- 607	CFM
Water Filling Capacity	21	21	21	21	21	Gal
Heat Quantity to be Discharged Water Cooler	45	55	75	90	110	kW
Drive Motor Frequency-controlled	1	1	1	1	1	unit
Motor Rating	60	75	100	125	150	HP
Motor Speed	2,950	2,950	2,950	2,950	2,950	RPM
Protection Class	IP 55	IP 55	IP 55	IP 55	IP 55	
Type	B 35	B 35	B 35	B 35	B 35	
Voltage / Frequency	460/60	460/60	460/60	460/60	460/60	V/Hz
Insulation Class	F	F	F	F	F	
Fan Motor	1	1	1	1	1	unit
Motor Rating	0.23	0.23	0.32	0.32	0.32	kW
Fan Motor Speed	1,400	1,400	1,400	1,400	1,400	RPM
Protection Class	IP 55	IP 55	IP 55	IP 55	IP 55	
Type	V3	V3	V3	V3	V3	
Insulation Class	F	F	F	F	F	
Voltage / Frequency	460/60	460/60	460/60	460/60	460/60	V/Hz
Compressed Air Connection / Mains	2.5"	2.5"	2.5"	2.5"	2.5"	
Noise Level approx	62	65	67	68	70	dB (A)
Net Weight	4960	5181	5512	5754	6085	lb.

* Determined per ISO 1217 Annex C

** Higher pressures on request, reserve technical changes



Your Benefits

Efficient

Up to 35% less energy costs

Innovative

Up to 85% less inspection costs and downtime

Clean

100% germ-free and oil-free compressed air, certified by FRESSENIUS

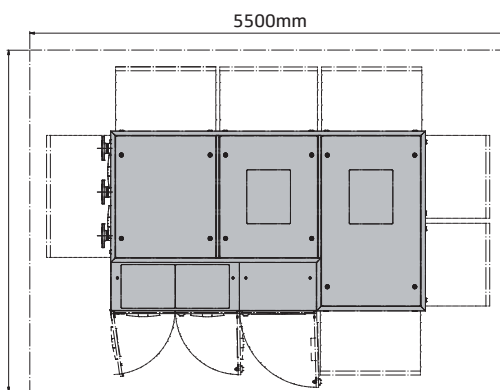
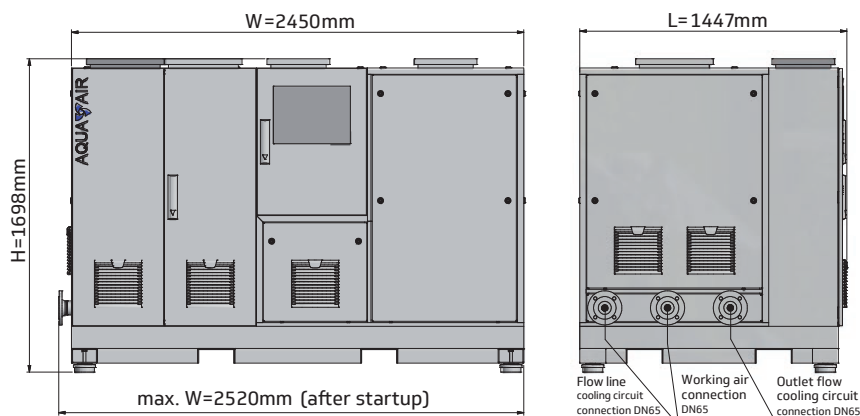
Safe

5 years manufacturer warranty with the AQUAAIR accident and break-down cover

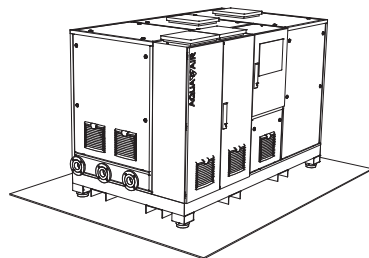
Made in Germany

100% quality through own development and production of AQUAAIR

Installation drawing



Installation area / room height at least 3000mm



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Specifications and designs are subject to change without notice. Machines may be shown with optional equipment.