

Technical specifications

Angle grinder

Model	Power [Watt]	Spindle mount	Air consumption* ³ [NI/min]	Speed [1/min]	Weight [kg]	Air inlet thread [inches]	Hand-arm vibration* ¹ a_{hd} [m/s ²]	Sound pressure* ² L_{pA} [dB(A)]	Sound power* ² L_{WA} [dB(A)]
SW1	380	M6	105	22000	0.6	1/4	<2.5	77.6	88.6
SW2	400	M6	395	15000	0.8	1/4	<2.5	72.3	83.3
SW3	550	M10 x 1	310	15000	1.2	1/4	<2.5	72.6	83.6
SW4	800	M14 x 2	450	10000	1.5	1/4	<2.5	82.7	93.7
SW5	1,100	M14 x 2	470	11000	1.8	1/4	<2.5	82.9	93.9
SW9	3,000	5/8''-11	585	6000	5.0	1/2	<2.5	84.2	95.2
SW10	1,900	5/8''-11	490	7000	3.3	3/8	<2.5	86.4	97.4
SV10	1,750	5/8''-11	375	7000	3.2	1/4	<2.5	86.7	97.7

*¹ ISO 28927 (3 axes)

*² ISO 15744 / The requirement of ISO 3744 for a measurement in accuracy class 2: $K_2 < 2$ dB has been met.

*³ Air consumption depends heavily on the given pressures in the compressed air system, the air connections, lines and the properties of the screw joint and management by the user. To estimate the pressure supply for compressed air tools, it is recommended to multiply the specified air consumption by 1.5 and in continuous operation / idling by 2.8.

The highest permitted continuous flow pressure/operating pressure directly at the machine should not exceed 6.2 bar / 90 PSI. The flow pressure of 6.2 bar at the machine is calculated from the static pressure of 8 bar at the service device, less approximately 1.8 bar pressure loss in the connection lines of min. Ø 8 mm internal and couplings min. Ø 7 mm internal.

The values shown were calculated under lab conditions, but are not sufficient for risk analyses. The actual values may differ according to the actual conditions. The exact load and health risk for users differ. Critical in this regard are work practices, the condition of the screw joint and the duration of use.

As the measured values of the actual load on site are beyond are control,

AirApp Power Tools GmbH accepts no liability for the consequences of any health risk.

This tool can trigger carpal tunnel syndrome if its use is not carefully controlled.

Further information on hand-arm vibrations are available online: <http://www.humanvibration.de>

