

Technical data

Pneumatic Die Grinder

Model	Mounted pin receiver [mm]	Power [W]	Air consumption ^{*3} [l/Nl/min]	Speed [1/min]	Weight [kg]	Air intake 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)]
SG1	3	155	135	54,000	0.2	¼	<2.5	74.0	85.0
SG2	6	300	310	25,000	0.4	¼	<2.5	79.6	90.6
SG4	6	400	395	22,000	0.5	¼	<2.5	72.2	83.2
SG5	6	400	465	22,000	1.0	¼	<2.5	73.2	84.2
SG6	6	400	395	2,600	0.6	¼	<2.5	72.2	83.2
SG7	6	400	425	20,000	1.2	¼	<2.5	71.4	82.4
SG8	6	400	425	20,000	1.5	¼	<2.5	71.4	82.4
SG14	6	400	225	25,000	0.7	¼	<2.5	83.2	94.2
SG16	6	600	225	20,000	0.8	¼	<2.5	81.2	92.2
SG20	6	450	475	22,000	0.6	¼	<2.5	73.6	84.6
SG21	11	450	465	2,500	1.1	¼	<2.5	73.2	84.2
SA1	6	300	225	22,000	0.4	¼	<2.5	79.8	90.8
SA2	6	400	310	21,000	0.7	¼	<2.5	72.5	83.5
SA3	6	300	225	22,000	0.4	¼	<2.5	79.8	90.8
SA4	6	400	265	18,000	0.7	¼	<2.5	72.2	83.2
SA14	6	400	225	20,000	0.8	¼	<2.5	81.7	92.7
SA16	6	600	225	20,000	0.9	¼	<2.5	81.4	92.4

⁻¹ ISO 28927 (3 axes)

⁻² ISO 15744 / The requirement in ISO 3744 for a measurement in accuracy class 2: $K_2 < 2$ dB was met.

⁻³ Air consumption is heavily dependent on the pressure present in the compressed air system, the air connections, the lines and the condition of the screw connections as well as handling by the user. In designing the compressed air supply for pneumatic 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 in the maintenance device minus approximately 1.8 bar pressure loss in the connecting lines. Ø 8 mm internal and couplings min. Ø 7 mm internal.

The values displayed were calculated under laboratory conditions, but are not sufficient for risk analyses. The actual values may differ based on the prevailing conditions. The exact load and the health risk for the user are different. Crucial here are the work practices, the condition of the screw connections and the duration of use.

As the measured values of the actual on-site load are beyond our control, AirApp Power Tools GmbH accepts no liability for consequences which pose a health risk.

This tool may trigger carpal tunnel syndrome if its use is not carefully regulated.

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

