

AIRTOOL CONSUMPTION GUIDE

TOOL	FAD/CFM	Pressure PSI.G	TOOL	FAD/CFM	Pressure PSI.G
3/8" Impact wrench	2-3	70-90	Sprayguns:		
1/2" Impact wrench	4-6	70-90	Airbrush	0.25	30
3/4" Impact wrench	9	70-90	Miniature	4-7	20-50
1" Impact wrench	14	70-90	Low pressure	1.5-4	20-40
3/8" Impact wrench	2-5	70-90	Standard	7.14	50-60
1/2" Ratchet wrench	2-5	70-90	HVLP	14-20	70-90
3/8" Drill	5	70-90	Miscellaneous Equipment:		
1/2" Drill	12	70-90	Air fed mask	5-6	20-40
DA Sander (top quality)	10	70-90	Oil pump	1.5	100-150
DA Sander (econ. model)	20	70-90	Grease pump	4.5	100-150
7" Sander / polisher	25	70-90	Air / water wash	10	150
Zip / impact cutter	4-5	70-90	Car wash	1.5-5	70-100
Cutters / shears	4-8	70-90	Blow gun (safety nozzle)	3	100
4" Angle grinder	18-25	70-90	Spark plug cleaner	3	100
7" Angle grinder	25-35	70-90	Underseal gun	4	100
Tyre inflator	2-4	150-230	Rivet gun	1.5-3	70-90
Tyre changer (manual)	4	150	2 ton air/hydraulic lift	5-8	130-150
Tyre changer (auto)	6	150	Brake tester	3-7	75-100
Sandblast cabinet	10-50	50-100	Plasma cutter	6-8	60-100
Sandblast hand gun	8-12	100			

Recommended Air Hose Sizes

HOSE	USES	MAX FLOW CFM
1/4"	Tyre Inflators / Airbrush	5
5/16"	Standard Spray Guns 3/8" Drill / Ratchet Wrench	15
3/8"	HVLP / LVLP Spray Guns (1/2" & 3/4") Wrenches / Sanders	25
1/2"	1" Impact Wrenches	50

Note: Always keep hose length as short as practically possible.

eg. 1/2" impact wrench with 20 metres of 1/4" bore hose will develop less than 40% of its available power.

Correct Hose Selection

An air tool needs the following:

- Correct size of compressor to ensure sufficient air available.
- Correct size of air hose to ensure minimal pressure drop and air flow.
- Correct pressure at tool. (see chart)
- Correct type of lubricant. (NOT engine oil)
- Clean dry air.** (use filters, regulator, dryer and lubricant)