

AIR VOLUME VS AIR PRESSURE VS AIR LOSS

RATINGS BASED ON A 25% LOAD FACTOR - TOOLS RUNNING 25% OF THE TIME.

CONSTANTS: HOSE LENGTH = 100 FOOT, GAUGE PRESSURE = 90 PSI

1 CFM = 28.31 L/M			6MM JFLEX EXTREME HOSE	58.2012	58.1034	58.1056
TOOL OR EQUIPMENT	AVERAGE FREE AIR CONSUMPTION L/M	AVERAGE FREE AIR CONSUMPTION CFM	6MM (.24 OR 1/4") HOSE, TOTAL PSI LOSS OVER HOSE LENGTH	8MM (.31 OR 5/16") HOSE, TOTAL PSI LOSS OVER HOSE LENGTH	10MM (.39 OR 3/8") HOSE, TOTAL PSI LOSS OVER HOSE LENGTH	13MM (.51 OR 1/2") HOSE, TOTAL PSI LOSS OVER HOSE LENGTH
Brad Nailer	14.16	0.50	0.14	0.0337	0.0135	0.003
Hoists, 1 ton - Tire Changer	28.33	1.00	0.56	0.1347	0.0539	0.0119
Body Polisher	56.66	2.00	2.25	0.5387	0.2154	0.0475
Tire Inflation	56.66	2.00	2.25	0.5387	0.2154	0.0475
Framing Nailer	70.82	2.50	3.5	0.8418	0.3366	0.0742
Blow Gun	84.98	3.00	5.06	1.2122	0.4847	0.1068
Spray gun, Basic (20 - 45 psi)	99.15	3.50	6.89	1.6499	0.6598	0.1454
Air Hammer, light	113.31	4.00	9	2.155	0.8617	0.1899
Drill 1/2"	113.31	4.00	9	2.155	0.8617	0.1899
Grease Gun	113.31	4.00	9	2.155	0.8617	0.1899
Impact Driver 1/2"	113.31	4.00	9	2.155	0.8617	0.1899
Nailer, Framing (50 psi)	113.31	4.00	9	2.155	0.8617	0.1899
Nibbler	113.31	4.00	9	2.155	0.8617	0.1899
Body Orbital Sander	141.64	5.00	14	3.3671	1.3465	0.2968
Spray Cleaner	141.64	5.00	14	3.3671	1.3465	0.2968
Die Grinder 1/4"	169.97	6.00	20.25	4.8486	1.9389	0.4273
Hydraulic Floor Jack	169.97	6.00	20.25	4.8486	1.9389	0.4273
Paint Sprayers, Small Hand Operated	198.3	7.00	27.56	6.5995	2.6391	0.5816
Impact Driver 3/4"	212.46	7.50	31.64	7.576	3.0295	0.6677
Impact Driver 1"	339.94	12.01	81.14	19.3946	7.7556	1.7093
Needle Scaler	453.25	16.01	144.19	34.4793	13.7878	3.0387
Paint Sprayers, production gun	566.56	20.01	225.24	53.8739	21.5434	4.748
Jackhammer, medium	3824.28	135.09	10266.26	2454.6277	981.5713	216.3311
Sand Blasters	11331.2	400.25	90121.59	21549.5438	8617.361	1899.2