

200 mm Air Impactor Compressor Selection Guide

Tool operating pressure: 7.6 bar. Required air volume at unit: 7.08 CMM.

33x44, D50/D80 (2-7/8 rod) Navigator® (19psi machine loss) Rockfire® ready				
Length of drill rod (ft)	Pressure loss (psi)	Total pressure loss (psi)	Supply pressure (psi)	Min compressor req'd
100	4	23	133	150x450
200	7	26	136	150x450
300	11	30	140	150x450
400	15	34	144	150x450
500	18	37	147	150x450
24x26, 24x40 or 40x40 Navigator (25psi machine loss) Rockfire ready				
Length of drill rod (ft)	Pressure loss (psi)	Total pressure loss (psi)	Supply pressure (psi)	Min compressor req'd
100	8	33	143	150X450
200	15	40	150	200x400
300	23	48	158	200x400
400	30	55	165	200x400
500	38	63	173	200x400
24X33 Navigator (25psi machine loss) Rockfire ready				
Length of drill rod (ft)	Pressure loss (psi)	Total pressure loss (psi)	Supply pressure (psi)	Min compressor req'd
100	4	29	139	150X450
200	9	34	144	200X400
300	13	38	148	200X400
400	18	43	153	200X400
500	22	47	157	250X750
D50/D80 (3.50 rod) Navigator (15psi machine loss) Rockfire ready				
Length of drill rod (ft)	Pressure loss (psi)	Total pressure loss (psi)	Supply pressure (psi)	Min compressor req'd
100	2	17	127	150x450
200	4	19	129	150x450
300	6	21	131	150x450
400	7	22	132	150x450
500	9	24	134	150x450
D55x100 Navigator (10psi machine loss) Rockfire ready				
Length of drill rod (ft)	Pressure loss (psi)	Total pressure loss (psi)	Supply pressure (psi)	Min compressor req'd
100	0	10	120	150X450
200	1	11	121	150X450
300	1	11	121	150X450
400	2	12	122	150X450
500	2	12	122	150X450

All data is estimated

300 mm Air Impactor Compressor Selection Guide

Tool operating pressure: 7.6 bar. Required air volume at unit: 10.62 CMM.

D33x44, D50/D80 (73mm rod) Navigator (1.31 bar machine loss) Rockfire ready				
Length of drill rod (m)	Pressure loss (bar)	Total pressure loss (bar)	Supply pressure (bar)	Min compressor required
30	0.19	1.50	9.10	10barx17CMM
60	0.38	1.69	9.29	10barx17CMM
90	0.57	1.88	9.48	10barx17CMM
120	0.76	2.07	9.67	17barx21CMM
150	0.95	2.26	9.86	17barx21CMM
D24x26, D24x40 or D40x40 Navigator (1.72 bar machine loss) Rockfire ready				
Length of drill rod (m)	Pressure loss (bar)	Total pressure loss (bar)	Supply pressure (bar)	Min compressor required
30	0.59	2.31	9.91	14barx11CMM
60	1.16	2.88	10.48	17barx21CMM
90	1.74	3.46	11.06	17barx21CMM
120	2.32	4.04	11.64	17barx21CMM
150	2.90	4.62	12.22	24barx25CMM
D24X33 Navigator (1.72 bar machine loss) Rockfire ready				
Length of drill rod (m)	Pressure loss (bar)	Total pressure loss (bar)	Supply pressure (bar)	Min compressor required
30	0.39	2.11	9.71	10barx17CMM
60	0.78	2.50	10.10	14barx11CMM
90	1.16	2.88	10.48	17barx21CMM
120	1.55	3.27	10.87	17barx21CMM
150	1.94	3.66	11.26	17barx21CMM
D50/D80 (89mm rod) Navigator (1.04 bar machine loss) Rockfire ready				
Length of drill rod (m)	Pressure loss (bar)	Total pressure loss (bar)	Supply pressure (bar)	Min compressor required
30	0.10	1.14	8.74	14barx11CMM
60	0.19	1.23	8.83	14barx11CMM
90	0.29	1.33	8.93	14barx11CMM
120	0.38	1.42	9.02	14barx11CMM
150	0.48	1.52	9.12	14barx11CMM
D55x100 Navigator (0.69 bar machine loss) Rockfire ready				
Length of drill rod (m)	Pressure loss (bar)	Total pressure loss (bar)	Supply pressure (bar)	Min compressor required
30	0.02	0.71	8.31	14barx11CMM
60	0.05	0.74	8.34	14barx11CMM
90	0.07	0.76	8.36	14barx11CMM
120	0.09	0.78	8.38	14barx11CMM
150	0.11	0.80	8.40	14barx11CMM

All data is estimated