

# 8" Air Impactor Compressor Selection Guide

Tool operating pressure 110 psi. Required air volume at unit 250 cfm.

Suggested air compressor: 200 PSI x 400 CFM.

<b>33x44, D50/D80 (2-7/8 rod) Navigator® (19psi machine loss) Rockfire® ready</b>				
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
<b>24x26, 24x40 or 40x40 Navigator (25psi machine loss) Rockfire ready</b>				
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
<b>24X33 Navigator (25psi machine loss) Rockfire ready</b>				
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
<b>D50/D80 (3.50 rod) Navigator (15psi machine loss) Rockfire ready</b>				
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
<b>D55x100 Navigator (10psi machine loss) Rockfire ready</b>				
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

# 12" Air Impactor Compressor Selection Guide

Tool operating pressure 110psi. Required air volume at unit 375 cfm.

Suggested air compressor: 200 PSI x 400 CFM.

<b>33x44, D50/D80 (2-7/8 rod) Navigator® (19psi machine loss) Rockfire® ready</b>				
Length of drill rod(ft)	Pressure loss (psi)	Total pressure loss(psi)	Supply pressure(psi)	Min compressor req'd
100	9	28	138	150x600 200x400
200	18	37	147	150x600 200x400
300	27	46	156	150x600 200x400
400	37	56	166	250x750
500	46	65	175	250x750
<b>24x26, 24x40 or 40x40 Navigator (25psi machine loss*) Rockfire ready</b>				
Length of drill rod(ft)	Pressure loss (psi)	Total pressure loss(psi)	Supply pressure(psi)	Min compressor req'd
100	28	53	163	200x400
200	56	81	191	250x750
300	84	109	219	250x750
400	112	137	247	250x750
500	140	165	275	350x900
<b>24X33 Navigator(25psi machine loss*) Rockfire ready</b>				
Length of drill rod(ft)	Pressure loss (psi)	Total pressure loss(psi)	Supply pressure(psi)	Min compressor req'd
100	19	44	154	150x600 200x400
200	38	63	173	200x400
300	57	82	192	250x750
400	76	101	211	250x750
500	95	120	230	250x750
<b>D50/D80(3.50 rod) Navigator(15psi machine loss*) Rockfire ready</b>				
Length of drill rod(ft)	Pressure loss (psi)	Total pressure loss(psi)	Supply pressure(psi)	Min compressor req'd
100	4.6	19.6	129.6	150x600
200	9.2	24.2	134.2	150x600
300	13.8	28.8	138.8	150x600
400	18.4	33.4	143.4	150x600
500	23	38	148	150x600
<b>D55x100 Navigator(10psi machine loss*) Rockfire ready</b>				
Length of drill rod(ft)	Pressure loss (psi)	Total pressure loss(psi)	Supply pressure(psi)	Min compressor req'd
100	1.1	11.1	121.1	150x600
200	2.2	12.2	122.2	150x600
300	3.3	13.3	123.3	150x600
400	4.4	14.4	124.4	150x600
500	5.5	15.5	125.5	150x600

Data with \* is estimated