

Oil-Lubricated Rotary Screw Compressor Output Chart

	6 bar 87 PSI	8 bar 116 PSI	9 bar 131 PSI	10 bar 145 PSI
2.2 kW 3.0 HP	0.35 m³/min 12 CFM 350 L/min	0.33 m³/min 12 CFM 329 L/min	0.32 m³/min 11 CFM 319 L/min	0.31 m³/min 11 CFM 310 L/min
3.0 kW 4.0 HP	0.50 m³/min 18 CFM 500 L/min	0.47 m³/min 17 CFM 470 L/min	0.46 m³/min 16 CFM 456 L/min	0.44 m³/min 16 CFM 442 L/min
4.0 kW 5.4 HP	0.65 m³/min 23 CFM 650 L/min	0.61 m³/min 22 CFM 611 L/min	0.59 m³/min 21 CFM 593 L/min	0.57 m³/min 20 CFM 575 L/min
5.5 kW 7.4 HP	0.90 m³/min 32 CFM 900 L/min	0.85 m³/min 30 CFM 846 L/min	0.82 m³/min 29 CFM 821 L/min	0.80 m³/min 28 CFM 796 L/min
7.5 kW 10.1 HP	1.30 m³/min 46 CFM 1300 L/min	1.22 m³/min 43 CFM 1222 L/min	1.19 m³/min 42 CFM 1185 L/min	1.15 m³/min 41 CFM 1150 L/min
11.0 kW 14.8 HP	1.90 m³/min 67 CFM 1900 L/min	1.79 m³/min 63 CFM 1786 L/min	1.73 m³/min 61 CFM 1732 L/min	1.68 m³/min 59 CFM 1680 L/min
15.0 kW 20.1 HP	2.60 m³/min 92 CFM 2600 L/min	2.44 m³/min 86 CFM 2444 L/min	2.37 m³/min 84 CFM 2371 L/min	2.30 m³/min 81 CFM 2300 L/min
18.5 kW 24.8 HP	3.20 m³/min 113 CFM 3200 L/min	3.01 m³/min 106 CFM 3008 L/min	2.92 m³/min 103 CFM 2918 L/min	2.83 m³/min 100 CFM 2830 L/min
22.0 kW 29.5 HP	3.90 m³/min 138 CFM 3900 L/min	3.67 m³/min 129 CFM 3666 L/min	3.56 m³/min 126 CFM 3556 L/min	3.45 m³/min 122 CFM 3449 L/min
30.0 kW 40.2 HP	5.40 m³/min 191 CFM 5400 L/min	5.08 m³/min 179 CFM 5076 L/min	4.92 m³/min 174 CFM 4924 L/min	4.78 m³/min 169 CFM 4776 L/min
37.0 kW 49.6 HP	6.80 m³/min 240 CFM 6800 L/min	6.39 m³/min 226 CFM 6392 L/min	6.20 m³/min 219 CFM 6200 L/min	6.01 m³/min 212 CFM 6014 L/min
45.0 kW 60.3 HP	8.10 m³/min 286 CFM 8100 L/min	7.61 m³/min 269 CFM 7614 L/min	7.39 m³/min 261 CFM 7386 L/min	7.16 m³/min 253 CFM 7164 L/min
55.0 kW 73.8 HP	10.00 m³/min 353 CFM 10000 L/min	9.40 m³/min 332 CFM 9400 L/min	9.12 m³/min 322 CFM 9118 L/min	8.84 m³/min 312 CFM 8844 L/min
75.0 kW 100.6 HP	13.60 m³/min 480 CFM 13600 L/min	12.78 m³/min 451 CFM 12784 L/min	12.40 m³/min 438 CFM 12400 L/min	12.03 m³/min 425 CFM 12028 L/min
90.0 kW 120.7 HP	16.60 m³/min 586 CFM 16600 L/min	15.60 m³/min 551 CFM 15604 L/min	15.14 m³/min 535 CFM 15136 L/min	14.68 m³/min 518 CFM 14682 L/min
110.0 kW 147.5 HP	20.00 m³/min 706 CFM 20000 L/min	18.80 m³/min 664 CFM 18800 L/min	18.24 m³/min 644 CFM 18236 L/min	17.69 m³/min 625 CFM 17689 L/min
132.0 kW 177.0 HP	23.50 m³/min 830 CFM 23500 L/min	22.09 m³/min 780 CFM 22090 L/min	21.43 m³/min 757 CFM 21427 L/min	20.78 m³/min 734 CFM 20784 L/min
160.0 kW 214.6 HP	28.00 m³/min 989 CFM 28000 L/min	26.32 m³/min 929 CFM 26320 L/min	25.53 m³/min 902 CFM 25530 L/min	24.76 m³/min 875 CFM 24764 L/min
200.0 kW 268.2 HP	34.00 m³/min 1201 CFM 34000 L/min	31.96 m³/min 1129 CFM 31960 L/min	31.00 m³/min 1095 CFM 31001 L/min	30.07 m³/min 1062 CFM 30071 L/min
250.0 kW 335.3 HP	42.00 m³/min 1483 CFM 42000 L/min	39.48 m³/min 1394 CFM 39480 L/min	38.30 m³/min 1352 CFM 38296 L/min	37.15 m³/min 1312 CFM 37147 L/min
315.0 kW 422.4 HP	50.00 m³/min 1766 CFM 50000 L/min	47.00 m³/min 1660 CFM 47000 L/min	45.59 m³/min 1610 CFM 45590 L/min	44.22 m³/min 1562 CFM 44222 L/min

The values in the chart highlight the typical output for a rotary screw compressor as pressure and power increase, although the actual output will vary based on compressor design and efficiency. For exact specifications, always refer to the compressor manufacturer's guidelines.

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	6 bar 87 PSI	8 bar 116 PSI	9 bar 131 PSI	10 bar 145 PSI
30 kW 40.2 HP	3.98 m ³ /min 141 CFM 3981 L/min	3.74 m ³ /min 132 CFM 3742 L/min	3.63 m ³ /min 128 CFM 3630 L/min	3.52 m ³ /min 124 CFM 3521 L/min
37 kW 49.6 HP	5.29 m ³ /min 187 CFM 5293 L/min	4.98 m ³ /min 176 CFM 4975 L/min	4.83 m ³ /min 170 CFM 4826 L/min	4.68 m ³ /min 165 CFM 4681 L/min
45 kW 60.3 HP	7.77 m ³ /min 274 CFM 7770 L/min	6.69 m ³ /min 236 CFM 6690 L/min	6.29 m ³ /min 222 CFM 6289 L/min	6.02 m ³ /min 213 CFM 6021 L/min
55 kW 73.8 HP	9.62 m ³ /min 340 CFM 9620 L/min	8.80 m ³ /min 311 CFM 8800 L/min	7.67 m ³ /min 271 CFM 7670 L/min	7.92 m ³ /min 280 CFM 7920 L/min
75 kW 100.6 HP	12.92 m ³ /min 456 CFM 12920 L/min	12.00 m ³ /min 424 CFM 12000 L/min	11.22 m ³ /min 396 CFM 11215 L/min	10.43 m ³ /min 368 CFM 10430 L/min
90 kW 120.7 HP	12.92 m ³ /min 456 CFM 12920 L/min	13.18 m ³ /min 465 CFM 13180 L/min	13.15 m ³ /min 464 CFM 13150 L/min	13.12 m ³ /min 463 CFM 13120 L/min
110 kW 147.5 HP	19.20 m ³ /min 678 CFM 19200 L/min	18.40 m ³ /min 650 CFM 18400 L/min	17.25 m ³ /min 609 CFM 17250 L/min	16.10 m ³ /min 569 CFM 16100 L/min
132 kW 177.0 HP	23.00 m ³ /min 812 CFM 23000 L/min	21.60 m ³ /min 763 CFM 21600 L/min	20.35 m ³ /min 719 CFM 20350 L/min	19.10 m ³ /min 674 CFM 19100 L/min
160 kW 214.6 HP	26.10 m ³ /min 922 CFM 26100 L/min	26.00 m ³ /min 918 CFM 26000 L/min	24.45 m ³ /min 863 CFM 24450 L/min	22.90 m ³ /min 809 CFM 22900 L/min
200 kW 268.2 HP	37.30 m ³ /min 1317 CFM 37300 L/min	34.90 m ³ /min 1232 CFM 34900 L/min	32.05 m ³ /min 1132 CFM 32050 L/min	29.20 m ³ /min 1031 CFM 29200 L/min
250 kW 335.3 HP	45.70 m ³ /min 1614 CFM 45700 L/min	42.00 m ³ /min 1483 CFM 42000 L/min	39.55 m ³ /min 1397 CFM 39550 L/min	37.10 m ³ /min 1310 CFM 37100 L/min
315 kW 422.4 HP	57.38 m ³ /min 2026 CFM 57380 L/min	50.00 m ³ /min 1766 CFM 50000 L/min	47.80 m ³ /min 1688 CFM 47800 L/min	45.60 m ³ /min 1610 CFM 45600 L/min
355 kW 476.1 HP	64.88 m ³ /min 2291 CFM 64875 L/min	60.98 m ³ /min 2154 CFM 60983 L/min	59.15 m ³ /min 2089 CFM 59153 L/min	50.00 m ³ /min 1766 CFM 50000 L/min

The values in the chart highlight the typical output for a rotary screw compressor as pressure and power increase, although the actual output will vary based on compressor design and efficiency. For exact specifications, always refer to the compressor manufacturer's guidelines.

Oil-Lubricated Reciprocating Compressor Output Chart

	6 bar 87 PSI	8 bar 116 PSI	10 bar 145 PSI	12 bar 174 PSI	15 bar 218 PSI
1.1 kW 1.48 HP	0.204 m ³ /min 7.2 CFM 204 L/min	0.163 m ³ /min 5.8 CFM 163 L/min	0.137 m ³ /min 4.9 CFM 137 L/min	0.112 m ³ /min 4.0 CFM 112 L/min	0.099 m ³ /min 3.5 CFM 99 L/min
1.7 kW 2.28 HP	0.195 m ³ /min 6.9 CFM 195 L/min	0.170 m ³ /min 6.0 CFM 170 L/min	0.179 m ³ /min 6.3 CFM 179 L/min	0.188 m ³ /min 6.6 CFM 188 L/min	0.165 m ³ /min 5.8 CFM 165 L/min
2.4 kW 3.22 HP	0.280 m ³ /min 9.9 CFM 280 L/min	0.260 m ³ /min 9.2 CFM 260 L/min	0.207 m ³ /min 7.3 CFM 207 L/min	0.154 m ³ /min 5.4 CFM 154 L/min	0.136 m ³ /min 4.8 CFM 136 L/min
3.0 kW 4.02 HP	0.410 m ³ /min 14.5 CFM 410 L/min	0.375 m ³ /min 13.2 CFM 375 L/min	0.356 m ³ /min 12.6 CFM 356 L/min	0.336 m ³ /min 11.9 CFM 336 L/min	0.296 m ³ /min 10.4 CFM 296 L/min
4.0 kW 5.36 HP	0.590 m ³ /min 20.8 CFM 590 L/min	0.530 m ³ /min 18.7 CFM 530 L/min	0.490 m ³ /min 17.3 CFM 490 L/min	0.450 m ³ /min 15.9 CFM 450 L/min	0.396 m ³ /min 14.0 CFM 396 L/min
5.5 kW 7.38 HP	0.750 m ³ /min 26.5 CFM 750 L/min	0.690 m ³ /min 24.4 CFM 690 L/min	0.650 m ³ /min 23.0 CFM 650 L/min	0.610 m ³ /min 21.5 CFM 610 L/min	0.537 m ³ /min 19.0 CFM 537 L/min
7.5 kW 10.06 HP	1.000 m ³ /min 35.3 CFM 1000 L/min	0.900 m ³ /min 31.8 CFM 900 L/min	0.860 m ³ /min 30.4 CFM 860 L/min	0.820 m ³ /min 29.0 CFM 820 L/min	0.722 m ³ /min 25.5 CFM 722 L/min

The values in the chart highlight the typical output for a rotary screw compressor as pressure and power increase, although the actual output will vary based on compressor design and efficiency. For exact specifications, always refer to the compressor manufacturer's guidelines.

Oil-Free Reciprocating Screw Compressor Output Chart

	6 bar 87 PSI	8 bar 116 PSI	11 bar 160 PSI
0.75 kW 1.0 HP	0.059 m ³ /min 2.1 CFM 59 L/min	0.046 m ³ /min 1.6 CFM 46 L/min	0.046 m ³ /min 1.6 CFM 46 L/min
1.5 kW 2.0 HP	0.152 m ³ /min 5.4 CFM 152 L/min	0.120 m ³ /min 4.2 CFM 120 L/min	0.120 m ³ /min 4.2 CFM 120 L/min
2.2 kW 2.9 HP	0.252 m ³ /min 8.9 CFM 252 L/min	0.210 m ³ /min 7.4 CFM 210 L/min	0.210 m ³ /min 7.4 CFM 210 L/min
2.4 kW 3.2 HP	0.274 m ³ /min 9.7 CFM 274 L/min	0.219 m ³ /min 7.7 CFM 219 L/min	0.170 m ³ /min 6.0 CFM 170 L/min
3.0 kW 4.0 HP	0.390 m ³ /min 13.8 CFM 390 L/min	0.330 m ³ /min 11.7 CFM 330 L/min	0.330 m ³ /min 11.7 CFM 330 L/min
3.1 kW 4.2 HP	0.404 m ³ /min 14.3 CFM 404 L/min	0.359 m ³ /min 12.7 CFM 359 L/min	0.291 m ³ /min 10.3 CFM 291 L/min
4.0 kW 5.4 HP	0.550 m ³ /min 19.4 CFM 550 L/min	0.500 m ³ /min 17.7 CFM 500 L/min	0.500 m ³ /min 17.7 CFM 500 L/min
4.2 kW 5.6 HP	0.570 m ³ /min 20.1 CFM 570 L/min	0.506 m ³ /min 17.9 CFM 506 L/min	0.409 m ³ /min 14.4 CFM 409 L/min

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