

WP 81L Air Cooled Compressor



The Sauer 3-stage compressor demonstrates exceptional endurance even under the most difficult operating conditions. The 3-stage design lowers cylinder compression temperatures, and reduces the pressure ratio per cylinder. This feature promotes lower maintenance costs and improves unit longevity and reliability.

SPECIFICATIONS · FLOW AND POWER

SPECIFICATIONS

Stages/Cylinders	3/3
Operating Pressure Range	200 to 640 psi
Required Power @ 1150 RPM, 60 Hz	15.7 to 18.4 hp
Capacity F. A. D. @ 1150 RPM, 60 Hz	34.9 to 38.4 SCFM
Required Power @ 1770 RPM, 60 Hz	23.5 to 27.3 hp
Capacity F. A. D. @ 1770 RPM, 60 Hz	52.2 to 57.3 SCFM
Motor Rating @ 1170 RPM, 60 Hz	20 hp
Motor Rating @ 1770 RPM, 60 Hz	30 hp
Current @ 460 Volts @ 1170 RPM, 60 Hz	23.5 Amps
Current @ 460 Volts @ 1770 RPM, 60 Hz	35.4 Amps
Current @ 230 Volts @ 1170 RPM, 60 Hz	47 Amps
Current @ 230 Volts @ 1770 RPM, 60 Hz	68.8 Amps
Weight @ 1170 RPM, 60 Hz	968 Pound
Weight @ 1770 RPM, 60 Hz	968 Pound
Noise level @ 3 ft, 1170 RPM (60Hz)	85 dB(A)
Noise level @ 3 ft, 1770 RPM (60Hz)	90 dB(A)
Heat Dissipation @ 1170 RPM, 60 Hz	58,000 Btu/hr
Heat Dissipation @ 1770 RPM, 60 Hz	82,000 Btu/hr
Cooling Air Needed @ 1170 RPM, 60 Hz	1,760 CFM
Cooling Air Needed @ 1770 RPM, 60 Hz	2,530 CFM

Residual oil content at gas outlet (without filtration)	
Delta temperature (gas outlet vs. ambient) @ 1170 RPM, 60 Hz	22 °F
Delta temperature (gas outlet vs. ambient) @ 1770 RPM, 60 Hz	27 °F
Operational ambient temperature range	40-130 °F
Oil Sump Capacity	11.1 Quarts
Overall Dimensions (L x W x H)	53 X 37 X 35 Inch
Cooling Method	Air- Cooled
Drive Type	Direct Drive

FLOW AND POWER

Power @ 290 PSIG, 1170 RPM, 60 Hz	16.6 hp
Flow @ 290 PSIG, 1170 RPM, 60 Hz	37.1 SCFM
Power @ 290 PSIG, 1770 RPM, 60 Hz	25.0 hp
Flow @ 290 PSIG, 1770 RPM, 60 Hz	55.4 SCFM
Power @ 435 PSIG, 1170 RPM, 60 Hz	17.4 hp
Flow @ 435 PSIG, 1170 RPM, 60 Hz	35.9 SCFM
Power @ 435 PSIG, 1770 RPM, 60 Hz	26.3 hp
Flow @ 435 PSIG, 1770 RPM, 60 Hz	53.5 SCFM
Power @ 580 PSIG, 1170 RPM, 60 Hz	18.4 hp
Flow @ 580 PSIG, 1170 RPM, 60 Hz	34.9 SCFM
Power @ 580 PSIG, 1770 RPM, 60 Hz	27.3 hp
Flow @ 580 PSIG, 1770 RPM, 60 Hz	22.3 SCFM

WP 101L Air Cooled Compressor



The Sauer 3-stage compressor demonstrates exceptional endurance even under the most difficult operating conditions. The 3-stage design lowers cylinder compression temperatures, and reduces the pressure ratio per cylinder. This feature promotes lower maintenance costs and improves unit longevity and reliability.

[SPECIFICATIONS](#) · [FLOW AND POWER](#)

SPECIFICATIONS

Stages/Cylinders	3/3
Operating Pressure Range	200 to 640 psi
Required Power @ 1150 RPM, 60 Hz	19.3 to 22.5 hp
Capacity F. A. D. @ 1150 RPM, 60 Hz	43.5 to 47.2 SCFM
Required Power @ 1770 RPM, 60 Hz	29.4 to 34.3 hp
Capacity F. A. D. @ 1770 RPM, 60 Hz	65.3 to 71.1 SCFM
Motor Rating @ 1170 RPM, 60 Hz	25 hp
Motor Rating @ 1770 RPM, 60 Hz	40 hp
Current @ 460 Volts @ 1170 RPM, 60 Hz	29.8 Amps
Current @ 460 Volts @ 1770 RPM, 60 Hz	47.6 Amps
Current @ 230 Volts @ 1170 RPM, 60 Hz	59.6 Amps
Current @ 230 Volts @ 1770 RPM, 60 Hz	95.2 Amps
Weight @ 1170 RPM, 60 Hz	968 Pound
Weight @ 1770 RPM, 60 Hz	968 Pound
Noise level @ 3 ft, 1170 RPM (60Hz)	85 dB(A)
Noise level @ 3 ft, 1770 RPM (60Hz)	90 dB(A)
Heat Dissipation @ 1170 RPM, 60 Hz	68,000 Btu/hr
Heat Dissipation @ 1770 RPM, 60 Hz	99,000 Btu/hr
Cooling Air Needed @ 1170 RPM, 60 Hz	2,060 CFM

Cooling Air Needed @ 1770 RPM, 60 Hz	3,060 CFM
Residual oil content at gas outlet (without filtration)	
Delta temperature (gas outlet vs. ambient) @ 1170 RPM, 60 Hz	22 °F
Delta temperature (gas outlet vs. ambient) @ 1770 RPM, 60 Hz	27 °F
Operational ambient temperature range	40-130 °F
Oil Sump Capacity	11.1 Quarts
Overall Dimensions (L x W x H)	53 X 37 X 35 Inch
Cooling Method	Air-Cooled
Drive Type	Direct Drive

FLOW AND POWER

Power @ 290 PSIG, 1170 RPM, 60 Hz	20.4 hp
Flow @ 290 PSIG, 1170 RPM, 60 Hz	45.7 SCFM
Power @ 290 PSIG, 1770 RPM, 60 Hz	31.1 hp
Flow @ 290 PSIG, 1770 RPM, 60 Hz	68.8 SCFM
Power @ 435 PSIG, 1170 RPM, 60 Hz	21.4 hp
Flow @ 435 PSIG, 1170 RPM, 60 Hz	44.1 SCFM
Power @ 435 PSIG, 1770 RPM, 60 Hz	32.7 hp
Flow @ 435 PSIG, 1770 RPM, 60 Hz	66.5 SCFM
Power @ 580 PSIG, 1170 RPM, 60 Hz	22.5 hp
Flow @ 580 PSIG, 1170 RPM, 60 Hz	43.5 SCFM
Power @ 580 PSIG, 1770 RPM, 60 Hz	34.3 hp
Flow @ 580 PSIG, 1770 RPM, 60 Hz	65.3 SCFM

WP 121L Air Cooled Compressor



The Sauer 3-stage compressor demonstrates exceptional endurance even under the most difficult operating conditions. The 3-stage design lowers cylinder compression temperatures, and reduces the pressure ratio per cylinder. This feature promotes lower maintenance costs and improves unit longevity and reliability.

[SPECIFICATIONS](#) · [FLOW AND POWER](#)

SPECIFICATIONS

Stages/Cylinders	3/3
Operating Pressure Range	200 to 640 psi
Required Power @ 1150 RPM, 60 Hz	22.9 to 26.8 hp
Capacity F. A. D. @ 1150 RPM, 60 Hz	52.4 to 60.2 SCFM
Required Power @ 1770 RPM, 60 Hz	37.5 to 43.3 hp
Capacity F. A. D. @ 1770 RPM, 60 Hz	78.4 to 90 SCFM
Motor Rating @ 1170 RPM, 60 Hz	30 hp
Motor Rating @ 1770 RPM, 60 Hz	50 hp
Current @ 460 Volts @ 1170 RPM, 60 Hz	35.4 Amps
Current @ 460 Volts @ 1770 RPM, 60 Hz	57.8 Amps
Current @ 230 Volts @ 1170 RPM, 60 Hz	70.8 Amps
Current @ 230 Volts @ 1770 RPM, 60 Hz	115.6 Amps
Weight @ 1170 RPM, 60 Hz	1441 Pound
Weight @ 1770 RPM, 60 Hz	1441 Pound
Noise level @ 3 ft, 1170 RPM (60Hz)	85 dB(A)
Noise level @ 3 ft, 1770 RPM (60Hz)	90 dB(A)
Heat Dissipation @ 1170 RPM, 60 Hz	99,000 Btu/hr
Heat Dissipation @ 1770 RPM, 60 Hz	133,000 Btu/hr
Cooling Air Needed @ 1170 RPM, 60 Hz	3,060 CFM

Cooling Air Needed @ 1770 RPM, 60 Hz	4,120 CFM
Residual oil content at gas outlet (without filtration)	
Delta temperature (gas outlet vs. ambient) @ 1170 RPM, 60 Hz	32 °F
Delta temperature (gas outlet vs. ambient) @ 1770 RPM, 60 Hz	47 °F
Operational ambient temperature range	40-130 °F
Oil Sump Capacity	14.8 Quarts
Overall Dimensions (L x W x H)	53 X 37 X 35 Inch
Cooling Method	Air- Cooled
Drive Type	Direct Drive

FLOW AND POWER

Power @ 290 PSIG, 1170 RPM, 60 Hz	24.3 hp
Flow @ 290 PSIG, 1170 RPM, 60 Hz	58.2 SCFM
Power @ 290 PSIG, 1770 RPM, 60 Hz	39.8 hp
Flow @ 290 PSIG, 1770 RPM, 60 Hz	87.1 SCFM
Power @ 435 PSIG, 1170 RPM, 60 Hz	25.5 hp
Flow @ 435 PSIG, 1170 RPM, 60 Hz	56.2 SCFM
Power @ 435 PSIG, 1770 RPM, 60 Hz	41.7 hp
Flow @ 435 PSIG, 1770 RPM, 60 Hz	84.1 SCFM
Power @ 580 PSIG, 1170 RPM, 60 Hz	26.8 hp
Flow @ 580 PSIG, 1170 RPM, 60 Hz	52.4 SCFM
Power @ 580 PSIG, 1770 RPM, 60 Hz	43.3 hp
Flow @ 580 PSIG, 1770 RPM, 60 Hz	78.4 SCFM

WP 126L Air Cooled Compressor



The Sauer 3-stage compressor demonstrates exceptional endurance even under the most difficult operating conditions. The 3-stage design lowers cylinder compression temperatures, and reduces the pressure ratio per cylinder. This feature promotes lower maintenance costs and improves unit longevity and reliability.

[SPECIFICATIONS](#) · [FLOW AND POWER](#)

SPECIFICATIONS

Stages/Cylinders	3/3
Operating Pressure Range	580 to 1160 psi
Required Power @ 1150 RPM, 60 Hz	33.8 to 35.5 hp
Capacity F. A. D. @ 1150 RPM, 60 Hz	53.2 to 53.5 SCFM
Required Power @ 1770 RPM, 60 Hz	43.6 to 46.9 hp
Capacity F. A. D. @ 1770 RPM, 60 Hz	75.9 to 77.1 SCFM
Motor Rating @ 1170 RPM, 60 Hz	40 hp
Motor Rating @ 1770 RPM, 60 Hz	50 hp
Current @ 460 Volts @ 1170 RPM, 60 Hz	47.1 Amps
Current @ 460 Volts @ 1770 RPM, 60 Hz	57.8 Amps
Current @ 230 Volts @ 1170 RPM, 60 Hz	94.2 Amps
Current @ 230 Volts @ 1770 RPM, 60 Hz	115.6 Amps
Weight @ 1170 RPM, 60 Hz	1441 Pound
Weight @ 1770 RPM, 60 Hz	1441 Pound
Noise level @ 3 ft, 1170 RPM (60Hz)	87 dB(A)
Noise level @ 3 ft, 1770 RPM (60Hz)	92 dB(A)
Heat Dissipation @ 1170 RPM, 60 Hz	82,000 Btu/hr
Heat Dissipation @ 1770 RPM, 60 Hz	102,000 Btu/hr
Cooling Air Needed @ 1170 RPM, 60 Hz	3,060 CFM

Cooling Air Needed @ 1770 RPM, 60 Hz	4,120 CFM
Residual oil content at gas outlet (without filtration)	
Delta temperature (gas outlet vs. ambient) @ 1170 RPM, 60 Hz	32 °F
Delta temperature (gas outlet vs. ambient) @ 1770 RPM, 60 Hz	47 °F
Operational ambient temperature range	40-130 °F
Oil Sump Capacity	14.4 Quarts
Overall Dimensions (L x W x H)	62 X 38 X 41 Inch
Cooling Method	Air- Cooled
Drive Type	Direct Drive

FLOW AND POWER

Power @ 725 PSIG, 1170 RPM, 60 Hz	33.8 hp
Flow @ 725 PSIG, 1170 RPM, 60 Hz	53.2 SCFM
Power @ 725 PSIG, 1770 RPM, 60 Hz	43.6 hp
Flow @ 725 PSIG, 1770 RPM, 60 Hz	77.1 SCFM
Power @ 1015 PSIG, 1170 RPM, 60 Hz	35.3 hp
Flow @ 1015 PSIG, 1170 RPM, 60 Hz	53.5 SCFM
Power @ 1015 PSIG, 1770 RPM, 60 Hz	46.9 hp
Flow @ 1015 PSIG, 1770 RPM, 60 Hz	79.4 SCFM
Power @ 1160 PSIG, 1170 RPM, 60 Hz	35.5 hp
Flow @ 1160 PSIG, 1170 RPM, 60 Hz	53.5 SCFM
Power @ 1160 PSIG, 1770 RPM, 60 Hz	46.9 hp
Flow @ 1160 PSIG, 1770 RPM, 60 Hz	75.9 SCFM

WP 151L Air Cooled Compressor



The Sauer 3-stage compressor demonstrates exceptional endurance even under the most difficult operating conditions. The 3-stage design lowers cylinder compression temperatures, and reduces the pressure ratio per cylinder. This feature promotes lower maintenance costs and improves unit longevity and reliability.

[SPECIFICATIONS](#) · [FLOW AND POWER](#)

SPECIFICATIONS

Stages/Cylinders	3/3
Operating Pressure Range	200 to 640 psi
Required Power @ 1150 RPM, 60 Hz	27.7 to 32.4 hp
Capacity F. A. D. @ 1150 RPM, 60 Hz	62.6 to 69 SCFM
Required Power @ 1770 RPM, 60 Hz	45.8 to 53.3 hp
Capacity F. A. D. @ 1770 RPM, 60 Hz	94 to 102.3 SCFM
Motor Rating @ 1170 RPM, 60 Hz	40 hp
Motor Rating @ 1770 RPM, 60 Hz	60 hp
Current @ 460 Volts @ 1170 RPM, 60 Hz	47.1 Amps
Current @ 460 Volts @ 1770 RPM, 60 Hz	67 Amps
Current @ 230 Volts @ 1170 RPM, 60 Hz	94.2 Amps
Current @ 230 Volts @ 1770 RPM, 60 Hz	134 Amps
Weight @ 1170 RPM, 60 Hz	1540 Pound
Weight @ 1770 RPM, 60 Hz	1540 Pound
Noise level @ 3 ft, 1170 RPM (60Hz)	87 dB(A)
Noise level @ 3 ft, 1770 RPM (60Hz)	92 dB(A)
Heat Dissipation @ 1170 RPM, 60 Hz	99,000 Btu/hr
Heat Dissipation @ 1770 RPM, 60 Hz	164,000 Btu/hr
Cooling Air Needed @ 1170 RPM, 60 Hz	3,060 CFM

Cooling Air Needed @ 1770 RPM, 60 Hz	5,060 CFM
Residual oil content at gas outlet (without filtration)	
Delta temperature (gas outlet vs. ambient) @ 1170 RPM, 60 Hz	38 °F
Delta temperature (gas outlet vs. ambient) @ 1770 RPM, 60 Hz	54 °F
Operational ambient temperature range	40-130 °F
Oil Sump Capacity	14.8 Quarts
Overall Dimensions (L x W x H)	62 X 38 X 38 Inch
Cooling Method	Air- Cooled
Drive Type	Direct Drive

FLOW AND POWER

Power @ 290 PSIG, 1170 RPM, 60 Hz	29.3 hp
Flow @ 290 PSIG, 1170 RPM, 60 Hz	66.7 SCFM
Power @ 290 PSIG, 1770 RPM, 60 Hz	48.4 hp
Flow @ 290 PSIG, 1770 RPM, 60 Hz	99.0 SCFM
Power @ 435 PSIG, 1170 RPM, 60 Hz	30.8 hp
Flow @ 435 PSIG, 1170 RPM, 60 Hz	64.5 SCFM
Power @ 435 PSIG, 1770 RPM, 60 Hz	50.9 hp
Flow @ 435 PSIG, 1770 RPM, 60 Hz	95.6 SCFM
Power @ 580 PSIG, 1170 RPM, 60 Hz	32.4 hp
Flow @ 580 PSIG, 1170 RPM, 60 Hz	62.6 SCFM
Power @ 580 PSIG, 1770 RPM, 60 Hz	53.5 hp
Flow @ 580 PSIG, 1770 RPM, 60 Hz	94.1 SCFM

WP 206L Air Cooled Compressor



The Sauer 3-stage compressor demonstrates exceptional endurance even under the most difficult operating conditions. The 3-stage design lowers cylinder compression temperatures, and reduces the pressure ratio per cylinder. This feature promotes lower maintenance costs and improves unit longevity and reliability.

[SPECIFICATIONS](#) · [FLOW AND POWER](#)

SPECIFICATIONS

Stages/Cylinders	3/3
Operating Pressure Range	580 to 1160 psi
Required Power @ 1150 RPM, 60 Hz	53.6 to 67 hp
Capacity F. A. D. @ 1150 RPM, 60 Hz	91 to 103 SCFM
Required Power @ 1770 RPM, 60 Hz	87 to 98 hp
Capacity F. A. D. @ 1770 RPM, 60 Hz	159 to 164 SCFM
Motor Rating @ 1170 RPM, 60 Hz	75 hp
Motor Rating @ 1770 RPM, 60 Hz	100 hp
Current @ 460 Volts @ 1170 RPM, 60 Hz	86.8 Amps
Current @ 460 Volts @ 1770 RPM, 60 Hz	115 Amps
Current @ 230 Volts @ 1170 RPM, 60 Hz	173.6 Amps
Current @ 230 Volts @ 1770 RPM, 60 Hz	230 Amps
Weight @ 1170 RPM, 60 Hz	2750 Pound
Weight @ 1770 RPM, 60 Hz	2750 Pound
Noise level @ 3 ft, 1170 RPM (60Hz)	91 dB(A)
Noise level @ 3 ft, 1770 RPM (60Hz)	96 dB(A)
Heat Dissipation @ 1170 RPM, 60 Hz	198,000 Btu/hr
Heat Dissipation @ 1770 RPM, 60 Hz	328,000 Btu/hr
Cooling Air Needed @ 1170 RPM, 60 Hz	6,120 CFM

Cooling Air Needed @ 1770 RPM, 60 Hz	10,240 CFM
Residual oil content at gas outlet (without filtration)	
Delta temperature (gas outlet vs. ambient) @ 1170 RPM, 60 Hz	31 °F
Delta temperature (gas outlet vs. ambient) @ 1770 RPM, 60 Hz	43 °F
Operational ambient temperature range	40-130 °F
Oil Sump Capacity	22.7 Quarts
Overall Dimensions (L x W x H)	75 X 42 X 43 Inch
Cooling Method	Air- Cooled
Drive Type	Direct Drive

FLOW AND POWER

Power @ 580 PSIG, 1170 RPM, 60 Hz	53.6 hp
Flow @ 580 PSIG, 1170 RPM, 60 Hz	102.9 SCFM
Power @ 580 PSIG, 1770 RPM, 60 Hz	87.0 hp
Flow @ 580 PSIG, 1770 RPM, 60 Hz	164.1 SCFM
Power @ 725 PSIG, 1170 RPM, 60 Hz	57.0 hp
Flow @ 725 PSIG, 1170 RPM, 60 Hz	100.0 SCFM
Power @ 725 PSIG, 1770 RPM, 60 Hz	89.4 hp
Flow @ 725 PSIG, 1770 RPM, 60 Hz	163.5 SCFM
Power @ 870 PSIG, 1170 RPM, 60 Hz	60.3 hp
Flow @ 870 PSIG, 1170 RPM, 60 Hz	97.1 SCFM
Power @ 870 PSIG, 1770 RPM, 60 Hz	93.0 hp
Flow @ 870 PSIG, 1770 RPM, 60 Hz	161.8 SCFM
Power @ 1015 PSIG, 1170 RPM, 60 Hz	63.7 hp
Flow @ 1015 PSIG, 1170 RPM, 60 Hz	94.1 SCFM
Power @ 1015 PSIG, 1770 RPM, 60 Hz	97.2 hp
Flow @ 1015 PSIG, 1770 RPM, 60 Hz	160.0 SCFM
Power @ 1160 PSIG, 1170 RPM, 60 Hz	67.0 hp

Flow @ 1160 PSIG, 1170 RPM, 60 Hz	91.2 SCFM
Power @ 1160 PSIG, 1770 RPM, 60 Hz	98.0 hp
Flow @ 1160 PSIG, 1770 RPM, 60 Hz	158.8 SCFM

WP 271L Air Cooled Compressor



The Sauer 3-stage compressor demonstrates exceptional endurance even under the most difficult operating conditions. The 3-stage design lowers cylinder compression temperatures, and reduces the pressure ratio per cylinder. This feature promotes lower maintenance costs and improves unit longevity and reliability.

[SPECIFICATIONS](#) · [FLOW AND POWER](#)

SPECIFICATIONS

Stages/Cylinders	3/4
Operating Pressure Range	200 to 640 psi
Required Power @ 1150 RPM, 60 Hz	41.6 to 46.9 hp
Capacity F. A. D. @ 1150 RPM, 60 Hz	98.9 to 105.7 SCFM
Required Power @ 1770 RPM, 60 Hz	62.7 to 71 hp
Capacity F. A. D. @ 1770 RPM, 60 Hz	144 to 158 SCFM
Motor Rating @ 1170 RPM, 60 Hz	50 hp
Motor Rating @ 1770 RPM, 60 Hz	75 hp
Current @ 460 Volts @ 1170 RPM, 60 Hz	58.1 Amps
Current @ 460 Volts @ 1770 RPM, 60 Hz	82.4 Amps
Current @ 230 Volts @ 1170 RPM, 60 Hz	116.2 Amps
Current @ 230 Volts @ 1770 RPM, 60 Hz	164.8 Amps
Weight @ 1170 RPM, 60 Hz	2068 Pound
Weight @ 1770 RPM, 60 Hz	2068 Pound
Noise level @ 3 ft, 1170 RPM (60Hz)	91 dB(A)
Noise level @ 3 ft, 1770 RPM (60Hz)	96 dB(A)
Heat Dissipation @ 1170 RPM, 60 Hz	133,000 Btu/hr
Heat Dissipation @ 1770 RPM, 60 Hz	198,000 Btu/hr
Cooling Air Needed @ 1170 RPM, 60 Hz	4,120 CFM

Cooling Air Needed @ 1770 RPM, 60 Hz	6,120 CFM
Residual oil content at gas outlet (without filtration)	
Delta temperature (gas outlet vs. ambient) @ 1170 RPM, 60 Hz	22 °F
Delta temperature (gas outlet vs. ambient) @ 1770 RPM, 60 Hz	34 °F
Operational ambient temperature range	40-130 °F
Oil Sump Capacity	22.7 Quarts
Overall Dimensions (L x W x H)	69 X 42 X 43 Inch
Cooling Method	Air- Cooled
Drive Type	Direct Drive

FLOW AND POWER

Power @ 290 PSIG, 1170 RPM, 60 Hz	43.9 hp
Flow @ 290 PSIG, 1170 RPM, 60 Hz	102.3 SCFM
Power @ 290 PSIG, 1770 RPM, 60 Hz	66.2 hp
Flow @ 290 PSIG, 1770 RPM, 60 Hz	152.8 SCFM
Power @ 435 PSIG, 1170 RPM, 60 Hz	46.2 hp
Flow @ 435 PSIG, 1170 RPM, 60 Hz	98.8 SCFM
Power @ 435 PSIG, 1770 RPM, 60 Hz	69.7 hp
Flow @ 435 PSIG, 1770 RPM, 60 Hz	147.6 SCFM
Power @ 580 PSIG, 1170 RPM, 60 Hz	46.9 hp
Flow @ 580 PSIG, 1170 RPM, 60 Hz	98.8 SCFM
Power @ 580 PSIG, 1770 RPM, 60 Hz	71.0 hp
Flow @ 580 PSIG, 1770 RPM, 60 Hz	144.1 SCFM

Item # WP 311L Air Cooled Compressor



The Sauer 3-stage compressor demonstrates exceptional endurance even under the most difficult operating conditions. The 3-stage design lowers cylinder compression temperatures, and reduces the pressure ratio per cylinder. This feature promotes lower maintenance costs and improves unit longevity and reliability.

[SPECIFICATIONS](#) · [FLOW AND POWER](#)

SPECIFICATIONS

Stages/Cylinders	3/4
Operating Pressure Range	200 to 640 psi
Required Power @ 1150 RPM, 60 Hz	49.8 to 58.1 hp
Capacity F. A. D. @ 1150 RPM, 60 Hz	125.1 to 136 SCFM
Required Power @ 1770 RPM, 60 Hz	85.2 to 102.4 hp
Capacity F. A. D. @ 1770 RPM, 60 Hz	184 to 207.7 SCFM
Motor Rating @ 1170 RPM, 60 Hz	60 hp
Motor Rating @ 1770 RPM, 60 Hz	125 hp
Current @ 460 Volts @ 1170 RPM, 60 Hz	70.1 Amps
Current @ 460 Volts @ 1770 RPM, 60 Hz	138 Amps
Current @ 230 Volts @ 1170 RPM, 60 Hz	140.2 Amps
Current @ 230 Volts @ 1770 RPM, 60 Hz	276 Amps
Weight @ 1170 RPM, 60 Hz	2365 Pound
Weight @ 1770 RPM, 60 Hz	2365 Pound
Noise level @ 3 ft, 1170 RPM (60Hz)	91 dB(A)
Noise level @ 3 ft, 1770 RPM (60Hz)	96 dB(A)
Heat Dissipation @ 1170 RPM, 60 Hz	164,000 Btu/hr
Heat Dissipation @ 1770 RPM, 60 Hz	328,000 Btu/hr
Cooling Air Needed @ 1170 RPM, 60 Hz	5,060 CFM

Cooling Air Needed @ 1770 RPM, 60 Hz	10,240 CFM
Residual oil content at gas outlet (without filtration)	
Delta temperature (gas outlet vs. ambient) @ 1170 RPM, 60 Hz	27 °F
Delta temperature (gas outlet vs. ambient) @ 1770 RPM, 60 Hz	43 °F
Operational ambient temperature range	40-130 °F
Oil Sump Capacity	22.7 Quarts
Overall Dimensions (L x W x H)	72 X 42 X 43 Inch
Cooling Method	Air- Cooled
Drive Type	Direct Drive

FLOW AND POWER

Power @ 290 PSIG, 1170 RPM, 60 Hz	52.6 hp
Flow @ 290 PSIG, 1170 RPM, 60 Hz	131.8 SCFM
Power @ 290 PSIG, 1770 RPM, 60 Hz	89.9 hp
Flow @ 290 PSIG, 1770 RPM, 60 Hz	200.9 SCFM
Power @ 435 PSIG, 1170 RPM, 60 Hz	55.4 hp
Flow @ 435 PSIG, 1170 RPM, 60 Hz	127.4 SCFM
Power @ 435 PSIG, 1770 RPM, 60 Hz	94.6 hp
Flow @ 435 PSIG, 1770 RPM, 60 Hz	194.1 SCFM
Power @ 580 PSIG, 1170 RPM, 60 Hz	58.1 hp
Flow @ 580 PSIG, 1170 RPM, 60 Hz	15.9 SCFM
Power @ 580 PSIG, 1770 RPM, 60 Hz	102.4 hp
Flow @ 580 PSIG, 1770 RPM, 60 Hz	184.1 SCFM

WP 3215 Air Cooled Compressor



The Sauer 3-stage compressor demonstrates exceptional endurance even under the most difficult operating conditions. The 3-stage design lowers cylinder compression temperatures, and reduces the pressure ratio per cylinder. This feature promotes lower maintenance costs and improves unit longevity and reliability.

[SPECIFICATIONS](#) · [FLOW AND POWER](#)

SPECIFICATIONS

Stages/Cylinders	3/3
Operating Pressure Range	1450 to 5075 psi
Required Power @ 1150 RPM, 60 Hz	5.1 to 6 hp
Capacity F. A. D. @ 1150 RPM, 60 Hz	6.4 to 7.4 SCFM
Required Power @ 1770 RPM, 60 Hz	10.3 to 11.7 hp
Capacity F. A. D. @ 1770 RPM, 60 Hz	9.8 to 11.2 SCFM
Motor Rating @ 1170 RPM, 60 Hz	7.5 (4.8KW) hp
Motor Rating @ 1770 RPM, 60 Hz	10 (8.7KW) hp
Current @ 460 Volts @ 1170 RPM, 60 Hz	10 Amps
Current @ 460 Volts @ 1770 RPM, 60 Hz	14.4 Amps
Current @ 230 Volts @ 1170 RPM, 60 Hz	20 Amps
Current @ 230 Volts @ 1770 RPM, 60 Hz	28.8 Amps
Weight @ 1170 RPM, 60 Hz	1152.8 Pound
Weight @ 1770 RPM, 60 Hz	1152.8 Pound
Noise level @ 3 ft, 1170 RPM (60Hz)	71 dB(A)
Noise level @ 3 ft, 1770 RPM (60Hz)	72 dB(A)
Heat Dissipation @ 1170 RPM, 60 Hz	20,000 Btu/hr
Heat Dissipation @ 1770 RPM, 60 Hz	34,000 Btu/hr

Cooling Air Needed @ 1170 RPM, 60 Hz	590 CFM
Cooling Air Needed @ 1770 RPM, 60 Hz	1,000 CFM
Residual oil content at gas outlet (without filtration)	
Delta temperature (gas outlet vs. ambient) @ 1170 RPM, 60 Hz	18 °F
Delta temperature (gas outlet vs. ambient) @ 1770 RPM, 60 Hz	18 °F
Operational ambient temperature range	40-110 °F
Oil Sump Capacity	6.1 Quarts
Overall Dimensions (L x W x H)	60 X 30 X 62 Inch
Cooling Method	Air- Cooled
Drive Type	Direct Drive

FLOW AND POWER

Power @ 1450 PSIG, 1170 RPM, 60 Hz	5.1 hp
Flow @ 1450 PSIG, 1170 RPM, 60 Hz	7.4 SCFM
Power @ 1450 PSIG, 1770 RPM, 60 Hz	10.3 hp
Flow @ 1450 PSIG, 1770 RPM, 60 Hz	11.2 SCFM
Power @ 2900 PSIG, 1170 RPM, 60 Hz	5.5 hp
Flow @ 2900 PSIG, 1170 RPM, 60 Hz	7.0 SCFM
Power @ 2900 PSIG, 1770 RPM, 60 Hz	10.9 hp
Flow @ 2900 PSIG, 1770 RPM, 60 Hz	10.7 SCFM
Power @ 4350 PSIG, 1170 RPM, 60 Hz	5.9 hp
Flow @ 4350 PSIG, 1170 RPM, 60 Hz	6.6 SCFM
Power @ 4350 PSIG, 1770 RPM, 60 Hz	11.4 hp
Flow @ 4350 PSIG, 1770 RPM, 60 Hz	10.0 SCFM
Power @ 5075 PSIG, 1170 RPM, 60 Hz	6.0 hp
Power @ 5075 PSIG, 1770 RPM, 60 Hz	6.4 hp
Flow @ 5075 PSIG, 1170 RPM, 60 Hz	11.7 SCFM
Flow @ 5075 PSIG, 1770 RPM, 60 Hz	9.8 SCFM

WP 3232 Air Cooled Compressor



The Sauer 3-stage compressor demonstrates exceptional endurance even under the most difficult operating conditions. The 3-stage design lowers cylinder compression temperatures, and reduces the pressure ratio per cylinder. This feature promotes lower maintenance costs and improves unit longevity and reliability.

SPECIFICATIONS

Stages/Cylinders	3/3
Operating Pressure Range	1015 to 3335 psi
Required Power @ 1150 RPM, 60 Hz	9 hp
Capacity F. A. D. @ 1150 RPM, 60 Hz	6 to 8 SCFM
Cooling Method	Air-Cooled
Drive Type	Direct Drive