

## WP221LM DATA SHEET



*This is a personalized quote. Your quoted package may vary from image shown.*

WP221LM Data Sheet					
		Imperial System		Metric System	
Operating Pressure	Speed	UNITS	Speed	UNITS	
	1170 RPM (60 Hz)		1170 RPM (60 Hz)		
290 PSIG   20 Bar	183	SCFM	310.5	m <sup>3</sup> /h	
	70	HP	52.5	kW	
435 PSIG   30 Bar	177	SCFM	300	m <sup>3</sup> /h	
	76	HP	57	kW	
640 PSIG   40 Bar	176	SCFM	300	m <sup>3</sup> /h	
	80	HP	60	kW	
Technical Specifications	Motor rating	85	HP	63	kW
	Current @ 575 Volts	82	Amps	82	Amps
	Current @ 460 Volts	102	Amps	102	Amps
	Heat dissipation	225,201	Btu/hr	66	kJ/s
	Cooling air needed	10,500	CFM	13,860	m <sup>3</sup> /h
	Residual oil content at gas outlet (without filtration)	<5	mg/m <sup>3</sup>	<5	mg/m <sup>3</sup>
	Delta temperature (gas outlet vs. ambient)	27	°F	15	°C
	Operational ambient temperature range	40-130	°F	0-55	°C
	Operating pressure range	200-640	psig	14-44	bar
	Oil sump capacity	26.5	Quarts	24	liter
	Cooling method	Air-Cooled		Air-Cooled	
	Drive type	Direct Drive		Direct Drive	
Stages/Cylinders	3/4		3/4		
* All data is with 5% tolerance and is related to ambient conditions of 68° F (20° C) and 14.7 PSIA (1 Bar).					

### **Package Includes:**

- Air intake and silencing filter
- Intercoolers and aftercooler
- Oil and water separators after the 1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup> stages
- Safety valve after each stage
- 1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup> stage pressure gauges
- Solenoid valves (115 V / 60 Hz) for automatic drainage of the separators
- Unloaded starting relief and automatic condensate drain system
- Condensate demister to easily dispose of condensate drainage
- Assembly of compressor and electric motor
- Resilient mounts including drainage hoses and air/gas outlet hose
- 460/3/60 electric motor with IP 55 (TEFC) protection
- Non-return valve mounted to air/gas outlet hose
- Low oil pressure shutdown switch
- High air/gas temperature shutdown switch mounted at the air/gas outlet of the compressor
- Compressor control system (including motor starter) for starting/stopping the compressor, and monitoring the oil level, air/gas outlet temperature and outlet pressure of the compressor per UL508A
- Complete package wired and mounted on a skid
- Air/gas pressure sensor for automatic start/stop (supplied loose)

Standard warranty is 15 months from date of shipment or 12 months after initial installation and start-up, whichever comes first. Ask your Sauer representative if your project requires an extended or alternative warranty period.

### **Optional equipment:**

- Final receiver packages with the necessary components supplied
- Diesel motor driven
- Modified for 50 Hz power supply
- Modified for gas compression and higher inlet pressures (>4.5 psig)
- Customized controls for user specified monitoring and operation
- Final air/gas filtration with varying levels of air/gas quality
- Sound dampening canopy
- Weather resistant canopy
- Complete package rated for installation in a hazardous location (Class 1 Division 2, or Class 1 Division 1)

Sauer Compressors custom engineers solutions for our customers. Please inquire about options you may require which are not listed.