

TORQUE WRENCH PUMPS

Hydraulic/Air
ISP Series



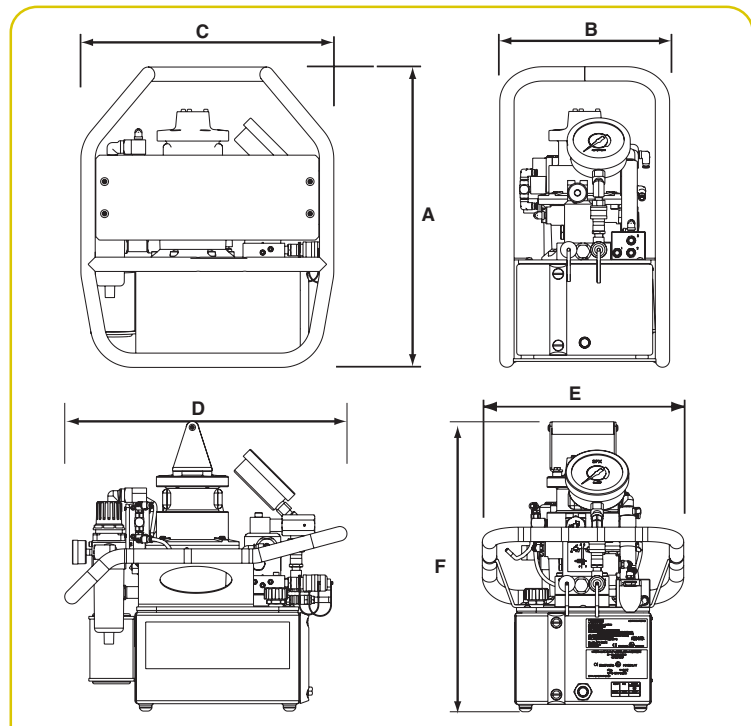
**GET JOBS DONE FASTER: UP
TO TWO TIMES THE FLOW!**

ISP SERIES HYDRAULIC AIR PUMPS

ISP Series Hydraulic Air Pumps: The next generation is here!
Power Team has long been the market leader in high pressure hydraulic pumps due to durability, ease of use and life cycle cost benefits. Power Team introduces Infinite Stage Pump Technology – the first continuous pressure hydraulic pump that results in up to 200% speed improvement - making jobs faster and easier.



PA60APF5FP



CAUTION: This Pump should not be used for lifting applications



Tool Model.	Required Air Pressure	Max. Pressure Output	RPM	Max. dBa at Idle & 700 bar	At 7 bar (100psi) Air Pressure 90CFM – 2.5 m³/min Reservoir Usable					Product Weight			
					35 bar	120 bar	350 bar	700 bar	Reservoir Usable				
PA60APF5FP (With Guard)	1.4 m³/min @ 6 bar	700 bar	3,000	75	8.6 L/min	5.0 L/min	1.8 L/min	1.0 L/min	3.8L	A	B	C	34.1kg 75lbs
	50cfm/ @ 80psi	10,000 psi	3,000	75	530 in³/min	300 in³/min	110 in³/min	55 in³/min	231 in³	D	E	F	
PA60APF5FPR (With Roll Bar)	1.4 m³/min @ 6 bar	700 bar	3,000	75	8.6 L/min	5.0 L/min	1.8 L/min	1.0 L/min	3.8L	D	E	F	36.3kg 80 lbs
50cfm/ @ 80psi	10,000 psi	3,000	75	530 in³/min	300 in³/min	110 in³/min	55 in³/min	231 in³	19.625"	14.00"	20.16"		



CAUTION: This Pump should not be used for lifting applications

QUALITY MEANS LOWER LIFE-CYCLE COSTS:

- Over 100,000 cycles
- Continuous duty up to 50°C / 122°F ambient (optional)
- Proven design: proven reliability
- Roll Bar (optional)
- Sealed hydraulic reservoir
- Modular pumping cartridges
- Filter Regulator Lubricator (FRL) air preparation filter: Serviceable filter ensures a clean, lubricated and consistent air supply.

ENHANCED USABILITY:

- Up to 200% faster than 2-stage pumps
- Up to 4 tools on 1 pump with a 4-tool manifold (optional)
- Removable control pendant (25ft/7.62m) cord length
- Built-in exhaust air heat exchanger: Internal oil path warms exhaust air to avoid freezing while cooling hydraulic oil to achieve optimum oil temperature.
- Easy-to-adjust pressure to achieve proper torque values.
- Calibration capable gauge
- Improved oil filtration

DESIGNED WITH SAFETY IN MIND:

- Rugged 4 hp air motor
- Easily adjusted pressure regulator (relief) valve
- Fixed 1500 psi / 103 Bar pressure retract relief valve
- ATEX II, CAT2, GDcT4 compliant: Enables usage in applications with potentially explosive environments.
- Quiet operation

Calibration capable, vibration damped gauge has an easy-to-read 4" diameter, with 10,000 psi / 700 Bar indication



PA60APF5FPR

Up to 4 torque wrench tools can be used with one pump with the 4-tool manifold (optional)

Pneumatic remote control comes standard with a 25' cord

Powerful 4 hp air motor starts under load and yields up to 2x the flow of other air pumps for greater application speed and productivity

Easy-to-replace pump cartridges minimize downtime and service costs

Muffled exhaust protects against elevated noise to ensure operator comfort

Optional roll bar provides a lift point as well as protection from damage in rough environments

The chart shows a traditional two stage hydraulic pump flow curve where high flow transitions to low flow at around 700 psi. The chart also shows that the ISP series pump has much higher flow and remains smooth throughout the pressure curve. Flow is continually changing based on pressure, giving the maximum horsepower and flow for that pressure. The biggest increase in flow is between 1,000 & 5,000 psi.

For tools such as torque wrenches that normally operate between 1,000 & 5,000 psi, the impact is significant – tools operate twice as fast, increasing productivity by getting the job done in much less time.

