

## TRIMAX S75 SERIES | DATA SHEET

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### PRODUCT DESCRIPTION

- The Trimax S75 Pump is designed to provide a safe, reliable supply of high-pressure water-based fluids for both mining and heavy industrial applications.

### PUMP DESIGN DATA

- Compact horizontal 3-plunger design.
- Power ratings up to 75hp.
- Innovative design for increased crank speeds and loading.
- Drained Glandwell to separate the oil and fluid ends of the pump, to stop contamination.
- Pump designed with Finite Element Analysis to validate pump performance and reliability.
- Wetted components designed with Computational Fluid Dynamics to maximise efficiency.

### EXAMPLE DUTY POINTS

Pump Type	Max Duty (Metric)		Max Duty (Imperial)		Frequency Hz	Motor Input Speed RPM	Max Crank Speed RPM	Max Power	
	LPM @ BAR		USGPM @ PSI					kW	HP
S75	212	140	56.1	2,030	50	1,475	507	55	75
	23	1,035	6.0	15,000					
	255	140	67.3	2,030	60	1,770	608		
	27	1,035	7.2	15,000					

\* Flowrates based upon 98% volumetric efficiency.

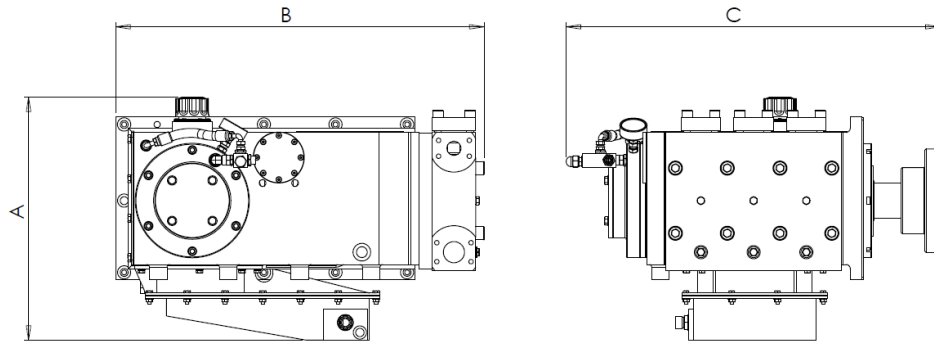
### CONSTRUCTION

- Valves: High grade stainless steel for maximum life.
- Valve Chest: High grade stainless steel or E.N.P carbon steel.
- Plungers: High purity ceramic Plungers or tungsten carbide Plungers.
- Bearings: Spherical roller main journals with lead bronze small and big ends.
- Valve Lifters: Fitted as an optional, for safe pressure control.
- Unloading Valve: Fitted as an optional, for safe flow diversion. (ATEX, IECEx, MA).
- Gland Packing: Self-adjusting spring-loaded Kevlar packing, for maximum sealing.

### OPERATION

- Designed for 24/7 duty.
- Inlet pressures between 1 to 8 bar.
- Forced lubrication throughout pump to critical areas.
- Pump supplied with oil filter and heat exchanger as standard.
- Health monitoring including oil temperature, level and pressure as standard.
- Operated with variable frequency drives to meet customer demand.

Further information on the S75 pump is available upon request.



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**DIMENSION DATA**

mm (inches)

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**A:** 415 (16.3)

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**B:** 838 (32.9)

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**C:** 840 (33.07)

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**D:** 552 (21.7)

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**Weight:**

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