

## TRIMAX S200, S250, S300 & S375 SERIES | DATA SHEET

File No: TRIS200-S375

Date: March 2019

Supersedes: New

Date: New

### PRODUCT DESCRIPTION

- The Trimax S200, S250, S300 & S375 Pump series are designed to provide a safe, reliable supply of high-pressure water-based fluids for both mining and industrial applications.

### PUMP DESIGN DATA

- Compact horizontal 3-plunger design.
- Power ratings up to 375hp.
- 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	Motor Input Speed	Max Crank Speed	Max Power	
	LPM @ BAR		USGPM @ PSI		Hz	RPM	RPM	kW	HP
S200	380	250	100.4	3,625	50	1,475	560	280	375
	95	1,035	25.1	15,000					
S200	456	250	120.5	3,625	60	1,770	672		
	114	1,035	30.1	15,000					
S250	456	250	120.5	3,625	60	1,770	672		
	114	1,035	30.1	15,000					
S300	409	250	108.0	3,625	50	1,475	602		
	102	1,035	27.0	15,000					
S375	441	250	116.4	3,625	50	1,475	649		
	110	1,035	29.1	15,000					

\* Flowrates based upon 98% volumetric efficiency.

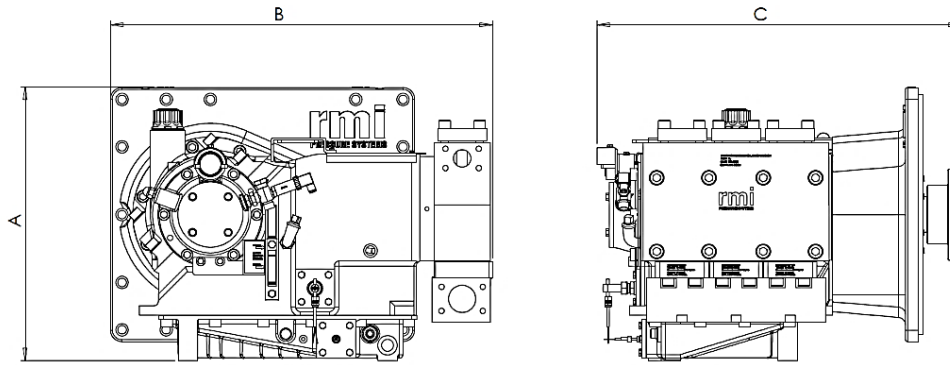
### CONSTRUCTION

- 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 S200 to S375 pumps is available upon request.



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**DIMENSION DATA**

mm (inches)

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**A:** 706 (27.8)

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**B:** 986 (38.8)

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**C:** 940 (37.0)

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**D:** 784 (30.1)

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**WEIGHT:**

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