



AQUARIUS ENGINEERS PVT. LTD.

Concrete Pumps, Batching Plants, Boom Pumps



CONCRETE LINE PUMPS - 1000 & 1400 SERIES

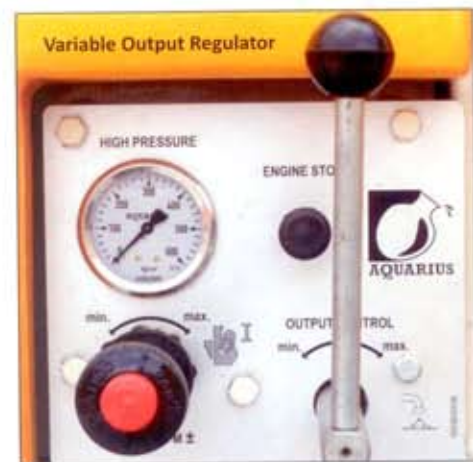


Salient Features:

- ▶ New futuristic look with latest design
- ▶ Completely redesigned with many operation friendly features
- ▶ Substantial noise reduction
- ▶ Low operation cost
- ▶ Powerful agitator
- ▶ Very reliable equipment with long routine maintenance intervals
- ▶ Compact design and least towing length
- ▶ Safe water-cleaning system
- ▶ Hard-faced wear parts for longer life
- ▶ Variable concrete output, from minimum to maximum
- ▶ Uninterrupted operations even if electrical system malfunctions
- ▶ Innovative flap straight design with cleaning port
- ▶ Lower number of strokes
- ▶ Largest core pump in this class with 200 mm diameter concrete cylinder
- ▶ Pump regulator protects the hydraulic system from over- heating & engine from overloading

Added Features:

- ▶ Higher Capacity jack
- ▶ Foot rest for hopper
- ▶ Gas springs and locks for canopy
- ▶ Shifting cylinder cover for better safety
- ▶ Grill provided for engine cover
- ▶ Built-in toolbox
- ▶ Efficient splash guard design
- ▶ Mudguard on tyre
- ▶ Engine hour & Pump hour meter
- ▶ Remote control



Cylinder Diameter Comparison

AQUARIUS

Concrete Pumps



Dia = 200 mm

Area = 31420 mm²

Other Concrete Pumps

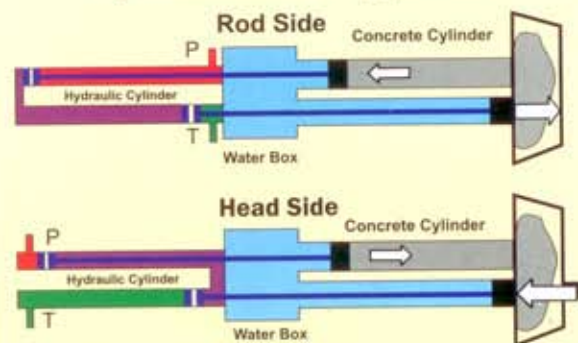


Dia = 180 mm

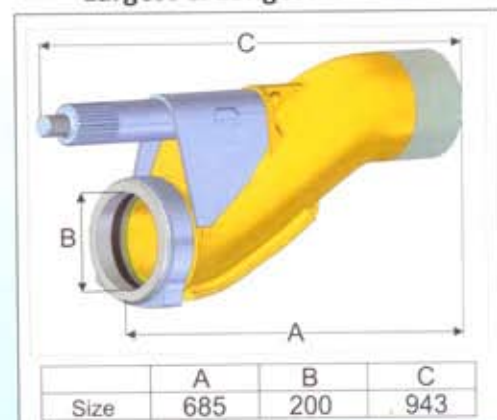
Area = 25450.2 mm²

Aquarius Pump Cylinders have larger area than others by 23.5%

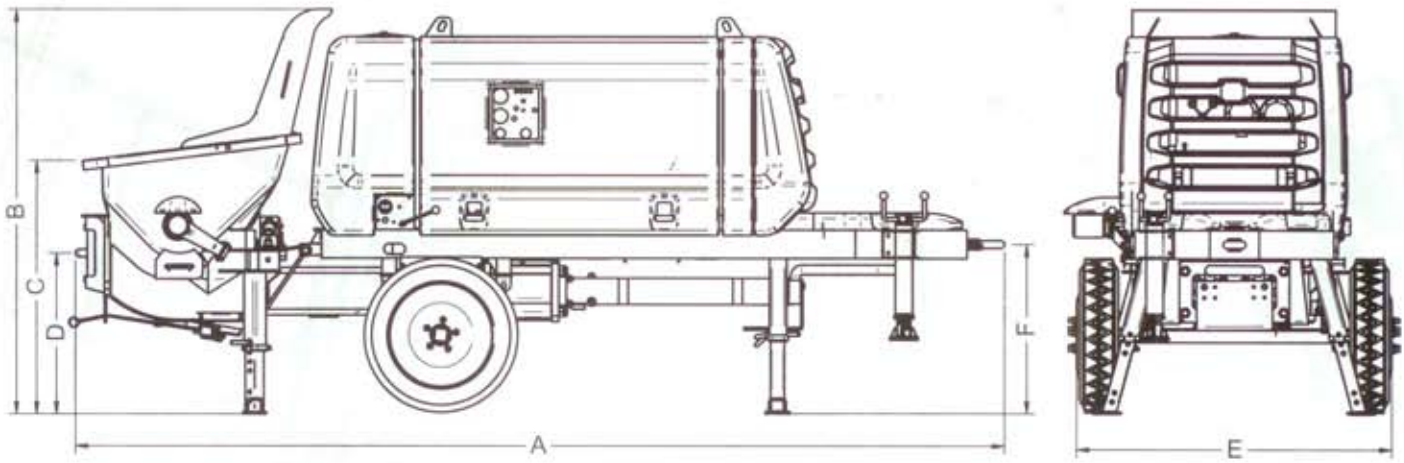
Hydraulic Pressure Application



Largest & Longest 'S' Valve



► Trailer Mounted Line Pumps - 1000 Series:



MODEL	A	B	C	D	E	F
1000 SERIES	4895	2130	1330	845	1730	890

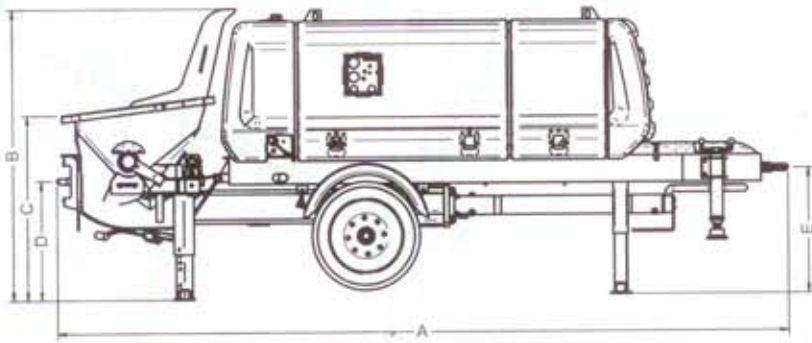
Model Specifications		Unit	1004 D	1004 D Super	1004 D SHP	1003 E
			Diesel Drive			Electric Drive
Prime Mover		kW	34.6	49	49	45
Theoretical Output		m ³ /hr	38	45	51/35*	33
Del. Cylinder Diameter		mm	200	200	200	200
Del. Cylinder Stroke		mm	1000	1000	1000	1000
No. of Strokes		per min	20	24	27/18*	18
Hydraulic Transmission	Rod Side	-	1:4.9	1:4.9	1:4.9	1:4.9
	Head Side	-	-	-	1:3.3	-
Concrete Pressure		bar	46	61	61/91*	61
Concrete Hopper Capacity		l	500	500	500	500
Delivery Distance**	Horizontal	m	240	300	400	300
	Vertical	m	60	75	100	75

*Values for hydraulic fluid being fed to piston side. **Distances to be read as either horizontal or vertical. The concrete should be pumpable & follows DIN 1405 standard.

► Electric Drive Line Pump - 1000 Series:

FUEL SAVER™





MODEL	A	B	C	D	E
1400 Series	5490	2175	1380	894	936



Model Specifications	Unit	1405 D	1407 D	1407 D HR	1400 HPD	1400 HPE	1405 E
		Diesel Drive			Electric Drive		
Prime Mover	kW	49	82	132	132	110	90
Theoretical Output	m ³ /hr	51/35*	65/45*	65/45*	50/34*	36/25*	48/33*
Del. Cylinder Diameter	mm	200	200	200	200	200	200
Del. Cylinder Stroke	mm	1400	1400	1400	1400	1400	1400
No. of Strokes	per min	19/13*	25/17*	25/17*	19/13*	13.5/9.5*	18/12*
Hydraulic Transmission	Rod Side	1:4.9	1:4.9	1:4.9	1:3.03	1:3.03	1:4.9
	Head Side	1:3.3	1:3.3	1:3.3	1:2.04	1:2.04	1:3.3
Concrete Pressure	bar	61/91*	71/106*	71/106*	116/172*	116/172*	71/106*
Concrete Hopper Capacity	l	600	600	600	600	600	600
Delivery Distance**	Horizontal	m	500	600	800	1200	600
	Vertical	m	125	150	200	300	300

*Values for hydraulic fluid being fed to piston side. **Distances to be read as either horizontal or vertical. The concrete should be pumpable & follows DIN 1405 standard.

Performance of equipment is based on standard working conditions. Design / Specifications can be changed without prior notice.



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