



Liquid Transfer Srl

# PUMP UNIT

## Series 1056

### Technical specifications

DOC: 1056\_01\_EN REV: 01-09/2017



The series 1056 Pump Units are assembled with a 1052 (fuel or solvent) pumps and with an electric or diesel engine through a mechanical transmission, secured to a stand. The pump units can be used on plants, marine or avionics dispensers or on trailer.

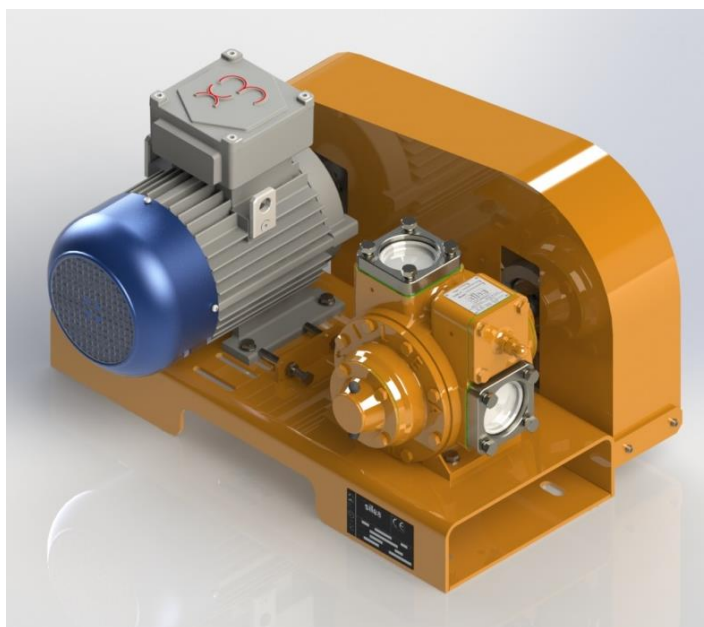
#### Belts and pulleys standard configuration

- Positive displacement rotary vane pump series 1052
- ATEX II 2 G Electric motor
- Belt and pulleys with protection
- Carbon steel hot galvanized base

#### Nominal flow rates

Diameter	@rpm	Flow rate		Power kW (Hp)	
		l/min	m <sup>3</sup> /h	Hydraulic head	
				35 m	85 m
2 ½"	520	390	23	3 (4)	5.5 (7.5)
	650	500	30	4 (5,5)	7.5 (10.0)
3"	520	800	48	7,5 (5,5)	15.0 (20.0)
	650	1000	60	10 (7,5)	18.5 (25.0)
4"	400	1500	90	15 (11)	22.0 (30.0)
	500	1900	114	20 (15)	25.5 (35.0)

Data are referred to a fluid 100 ssu (22 cP) viscosity at 3,5 bar (50 psi).



**V-belts:** antistatic, with cast iron pulleys, with different diameters depending on the requested speed.

#### Standards and Regulations

- Conformity Declaration of current Directive **ATEX** for Equipment used in Potentially explosive atmospheres
- Customs Declaration of certification for Russia, Kazakhstan, Belarus, **EAC certification**.
- Conformity Declaration of current Directive **Machines**
- Conformity Declaration of current Directive **Electromagnetic compatibility**

Accessories

- **Welding Squared flange** (inlet/outlet), in steel.
- **Inlet “T” Filter**

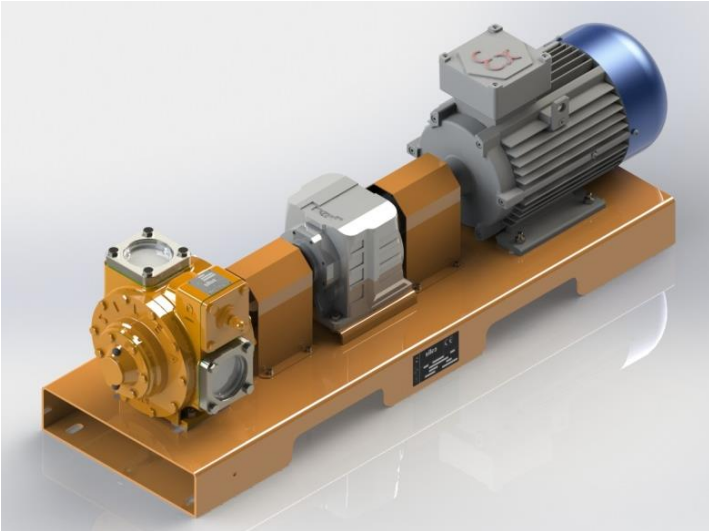
Options on request

- **Gear box reducer**
- **Electric motor:** IP65 - ATEX II 3 G
- **Diesel engine:** with manual or electric start
- **Start/stops witch box with thermal protection**

Performances								
Diameter	@rpm	Max flow rate		Viscosity		Differential pressure	Max pressure	Working temperature
		l/min	m³/h	ssu	cP	5,5 bar	7 bar	C° Max
2 ½"	650	500	30	20000	4250			140
3"	650	1000	60					140
4"	500	1900	114					110



The Silea Pump has a high suction lift and is able to adjust with internal by-pass the discharge pressure in order to prevent shock-lines and protect the downstream instrumentation.



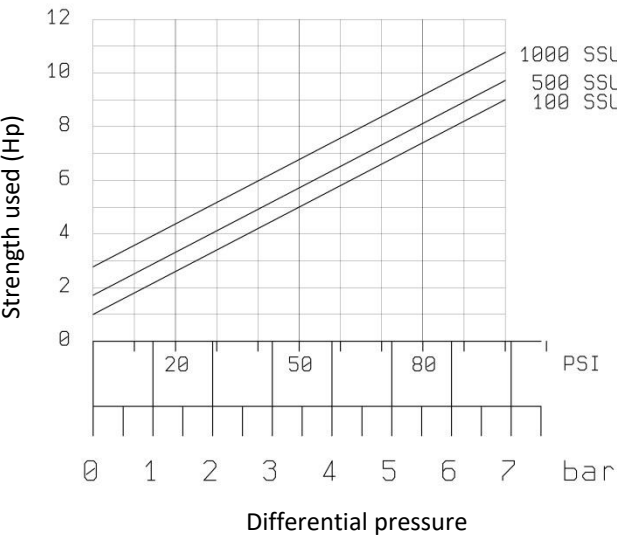
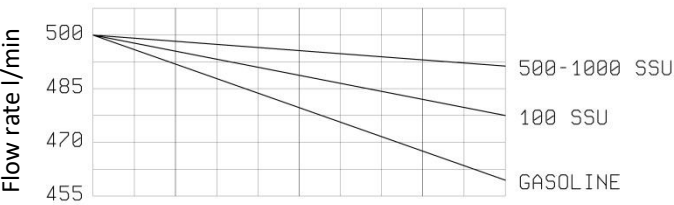
Gear box reducer is coupled to the electric motor and the pump shaft with flexible ATEX certified joints.

Standard documentation

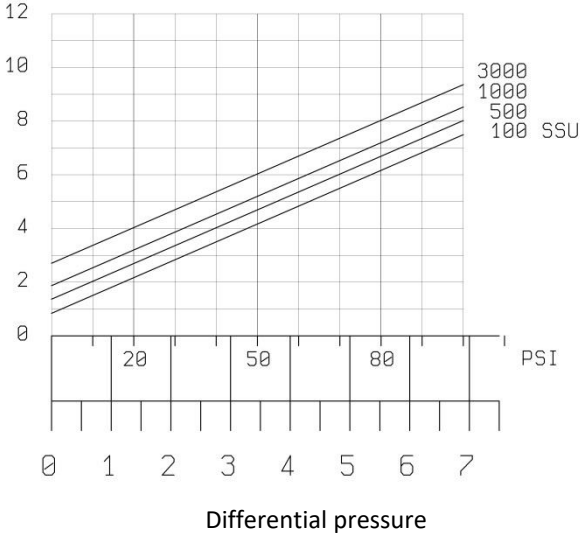
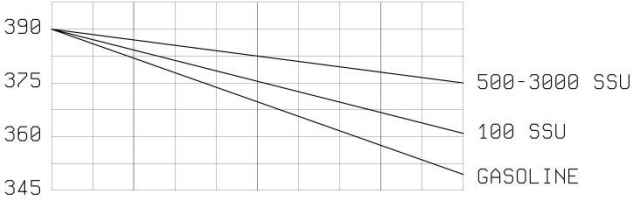
- Declaration of conformity
- Declaration of material conformity and functional test (CCC)
- Operation and maintenance Manual (MUM)

2 1/2" pump performance curves

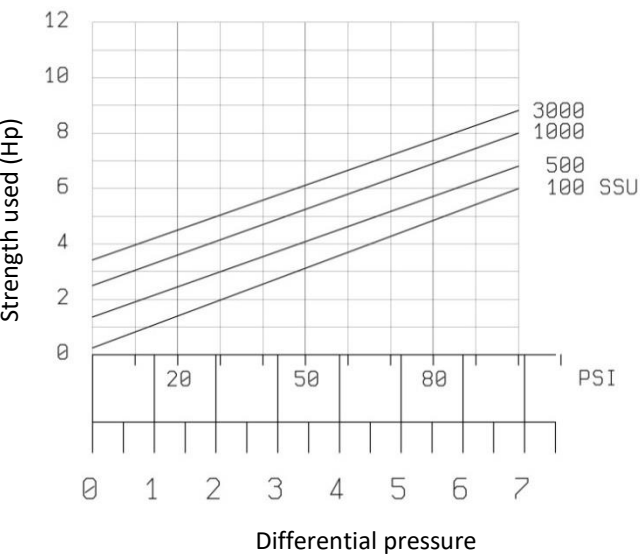
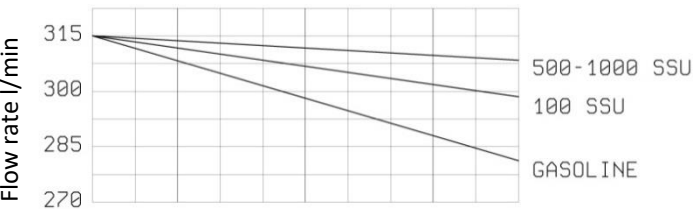
650 (rpm)



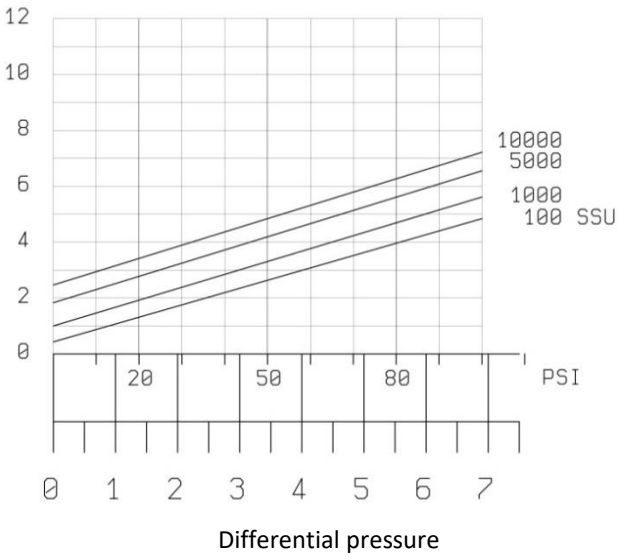
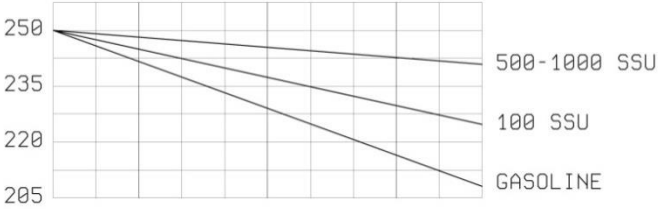
520 (rpm)



420 (rpm)

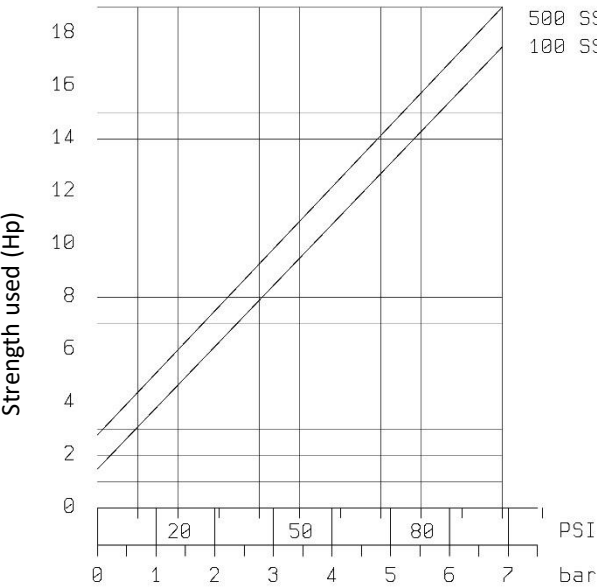
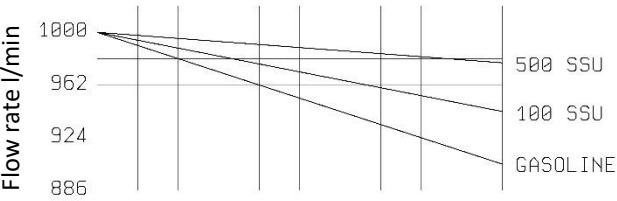


330 (rpm)

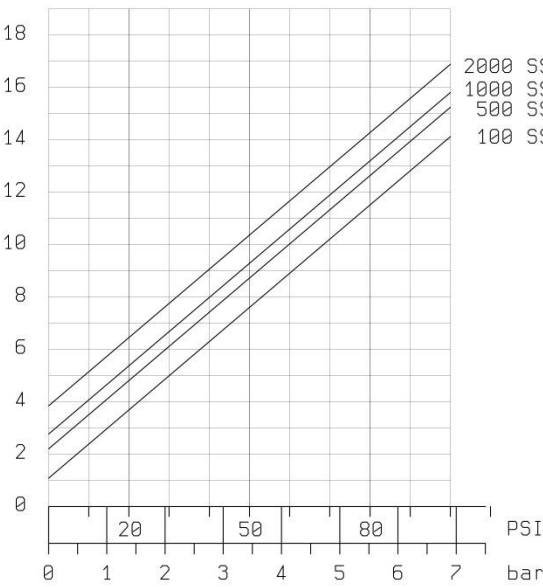
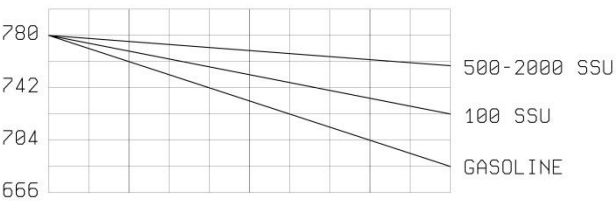


3" pump performance curves

650 (rpm)

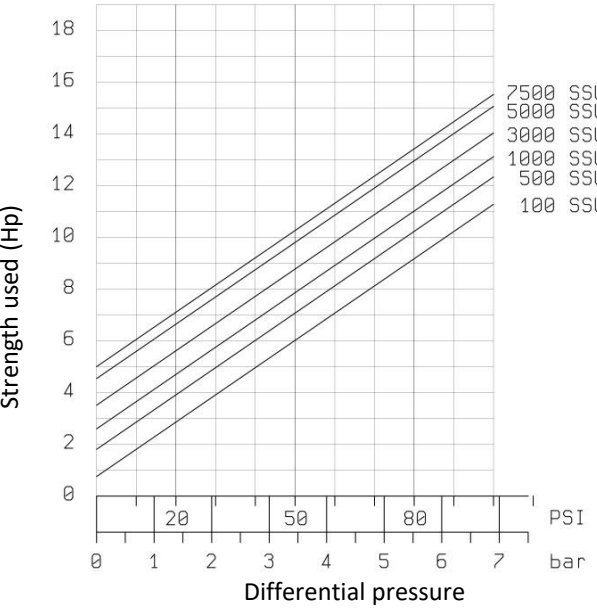
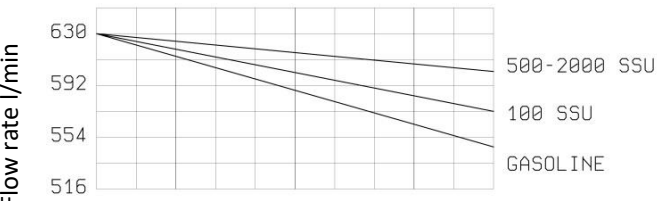


520 (rpm)

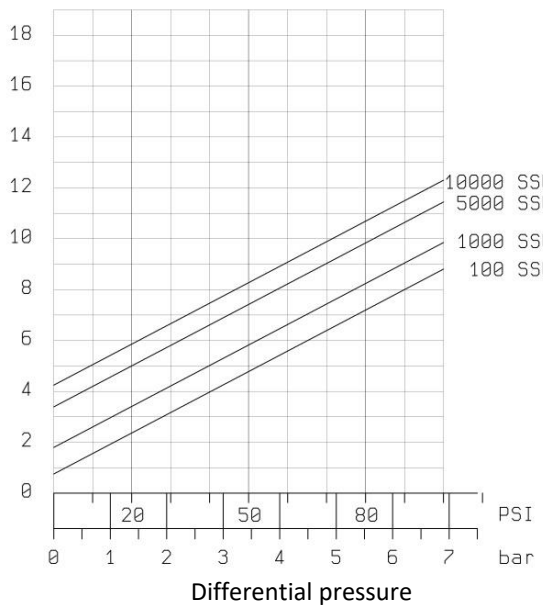
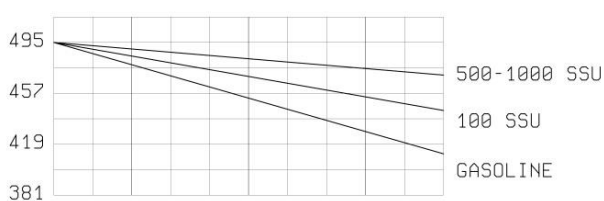


Viscosity

420 (rpm)



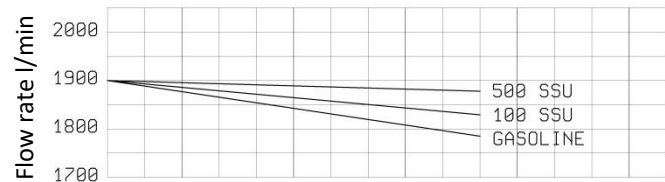
330 (rpm)



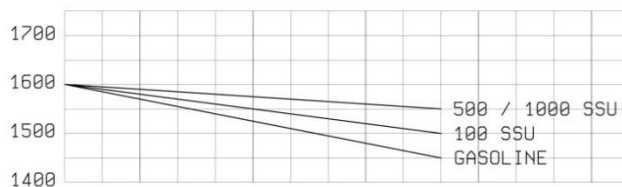
Viscosity

# 4" pump performance curves

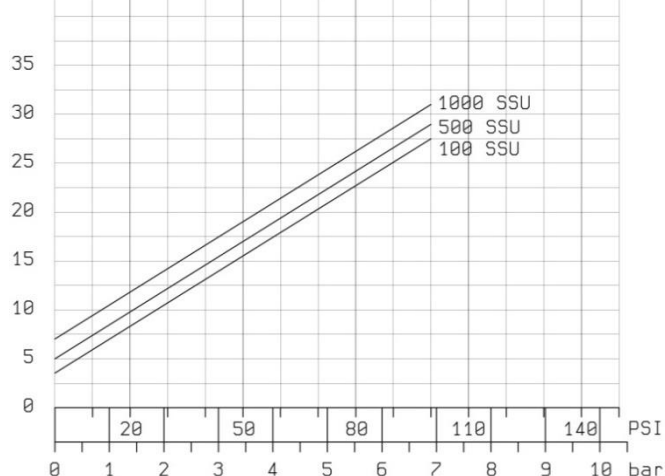
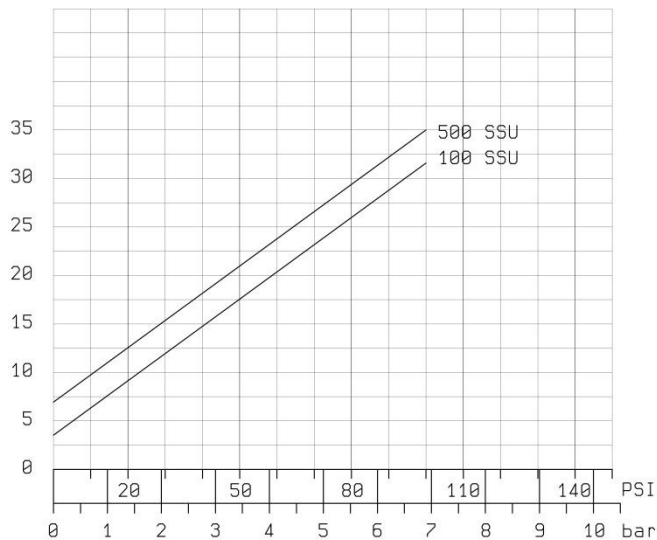
500 (rpm)



420 (rpm)

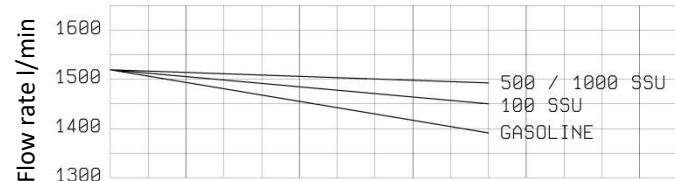


Strength used (Hp)

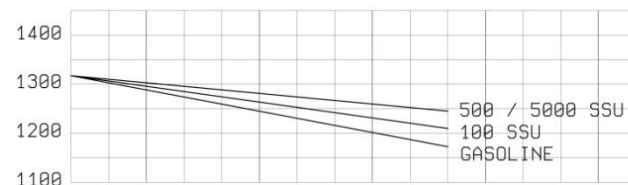


Viscosity

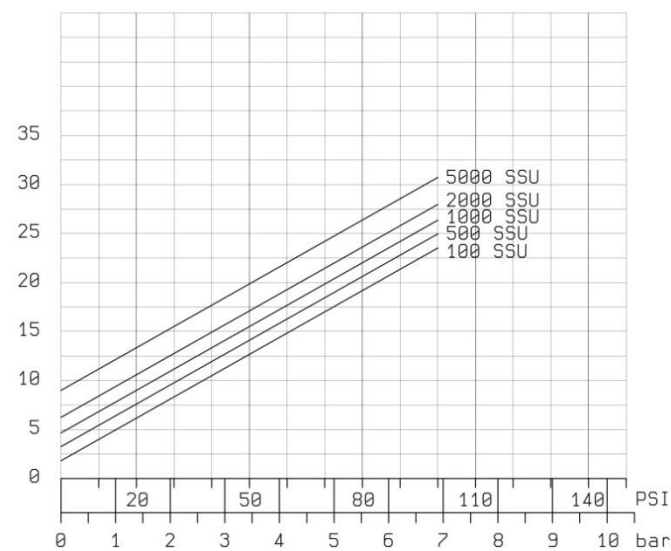
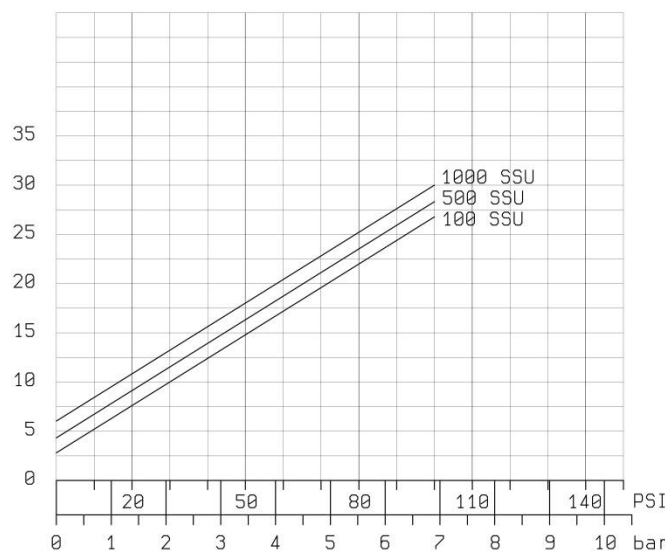
400 (rpm)



350 (rpm)



Strength used (Hp)



Viscosity