

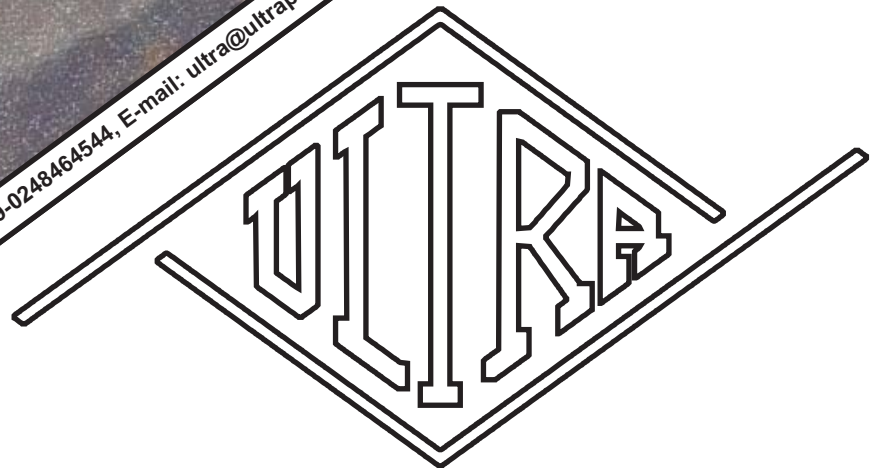
CURVES

Delivery rate & Absorbed power

G series - N series - S series

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TABLE READING

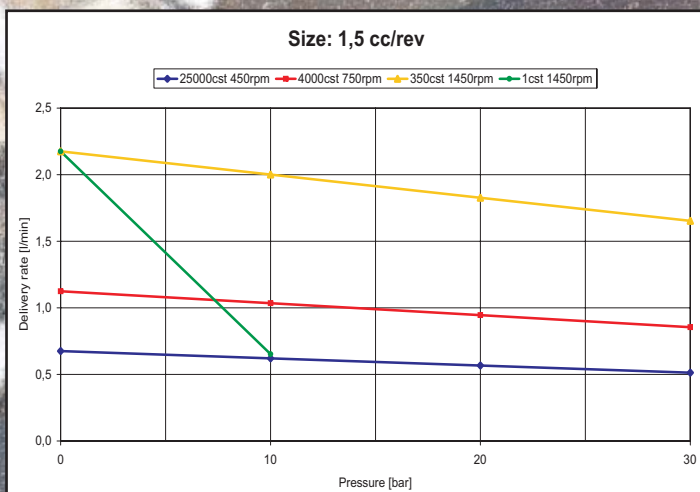
This label easily shows the direct relation between pump capacity and its rotations speed. Note that delivery is theoretically related to a fluid with **220 cst** viscosity with atmospheric inlet port pressure and **1 bar** outlet port pressure. Delivery is also calculated with approximated rotations speeds. In real, motors speeds have a tolerance of **±8%RPM**. For any question please contact our office.

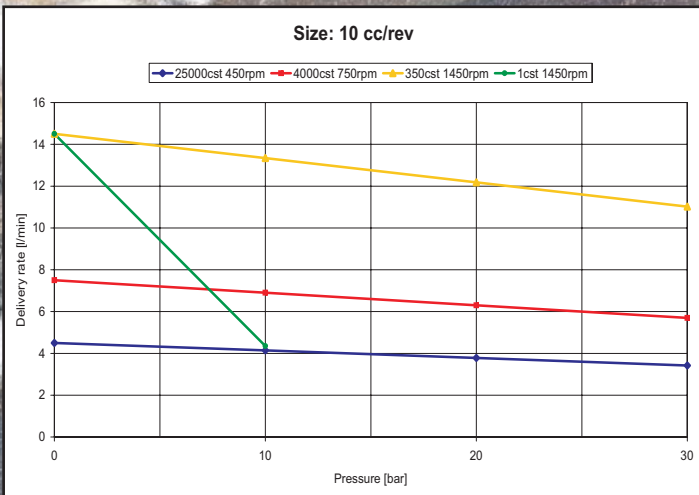
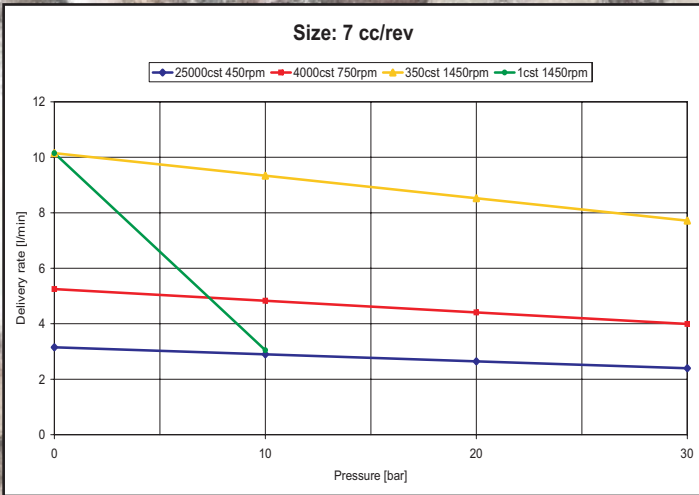
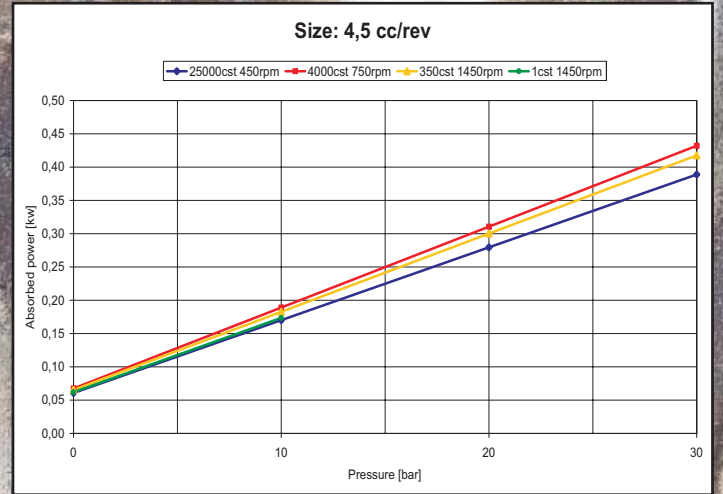
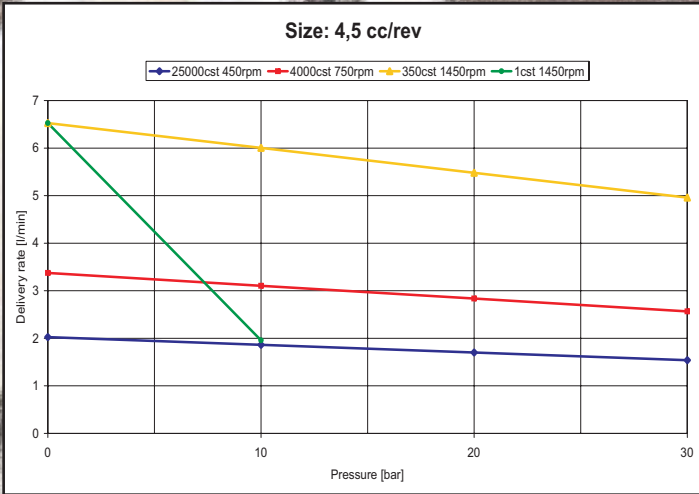
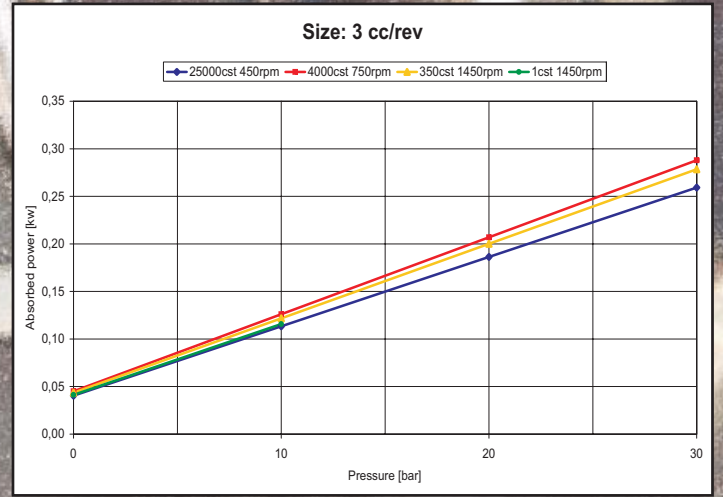
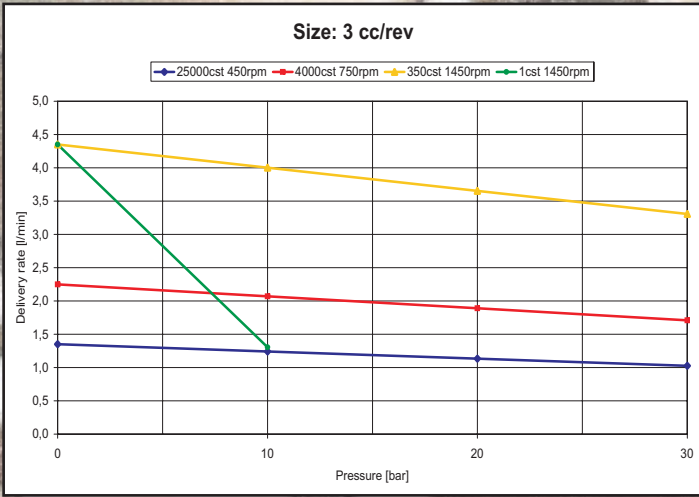
m ³ /h	Rotation speed											
	250 rpm	350 rpm	450 rpm	550 rpm	650 rpm	750 rpm	850 rpm	1000 rpm	1200 rpm	1450 rpm	1800 rpm	
1,5 cc/rev	0,02	0,03	0,04	0,05	0,06	0,07	0,08	0,09	0,11	0,13	0,16	
3 cc/rev	0,05	0,06	0,08	0,10	0,12	0,14	0,15	0,18	0,22	0,26	0,32	
4,5 cc/rev	0,07	0,09	0,12	0,15	0,18	0,20	0,23	0,27	0,32	0,39	0,49	
7 cc/rev	0,11	0,15	0,19	0,23	0,27	0,32	0,36	0,42	0,50	0,61	0,76	
10 cc/rev	0,15	0,21	0,27	0,33	0,39	0,45	0,51	0,60	0,72	0,87	1,08	
14 cc/rev	0,21	0,29	0,38	0,46	0,55	0,63	0,71	0,84	1,01	1,22	1,51	
21 cc/rev	0,32	0,44	0,57	0,69	0,82	0,95	1,07	1,26	1,51	1,83	2,27	
28 cc/rev	0,4	0,6	0,8	0,9	1,1	1,3	1,4	1,7	2,0	2,4	3,0	
35 cc/rev	0,5	0,7	0,9	1,2	1,4	1,6	1,8	2,1	2,5	3,0	3,8	
42 cc/rev	0,6	0,9	1,1	1,4	1,6	1,9	2,1	2,5	3,0	3,7	4,5	
52 cc/rev	0,8	1,1	1,4	1,7	2,0	2,3	2,7	3,1	3,7	4,5	5,6	
72 cc/rev	1,1	1,5	1,9	2,4	2,8	3,2	3,7	4,3	5,2	6,3	7,8	
93 cc/rev	1,4	2,0	2,5	3,1	3,6	4,2	4,7	5,6	6,7	8,1	10,0	
114 cc/rev	1,7	2,4	3,1	3,8	4,4	5,1	5,8	6,8	8,2	9,9	12,3	
144 cc/rev	2,2	3,0	3,9	4,8	5,6	6,5	7,3	8,6	10,4	12,5		
200 cc/rev	3,0	4,2	5,4	6,6	7,8	9,0	10,2	12,0	14,4	17,4		
300 cc/rev	4,5	6,3	8,1	9,9	11,7	13,5	15,3	18,0	21,6	26,1		
460 cc/rev	6,9	9,7	12,4	15,2	17,9	20,7	23,5	27,6	33,1			
636 cc/rev	9,5	13,4	17,2	21,0	24,8	28,6	32,4	38,2	45,8			
863 cc/rev	13,0	18,1	23,3	28,5	33,7	38,9	44,0	51,8	62,2			
1330 cc/rev	20,0	27,9	35,9	43,9	51,9	59,9	67,9	79,8	95,8			

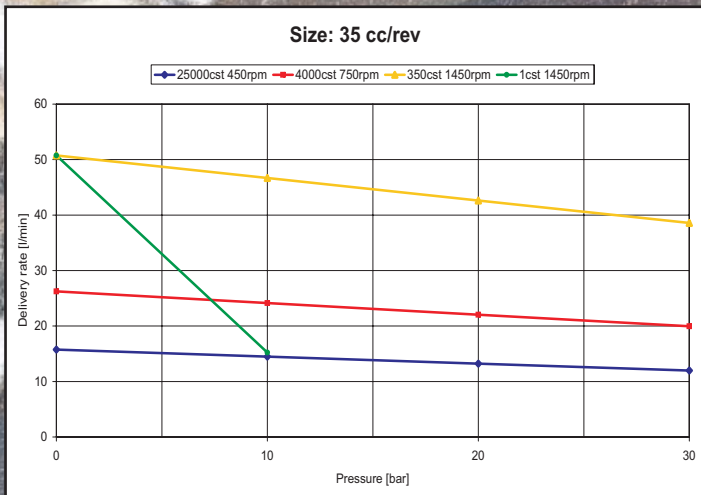
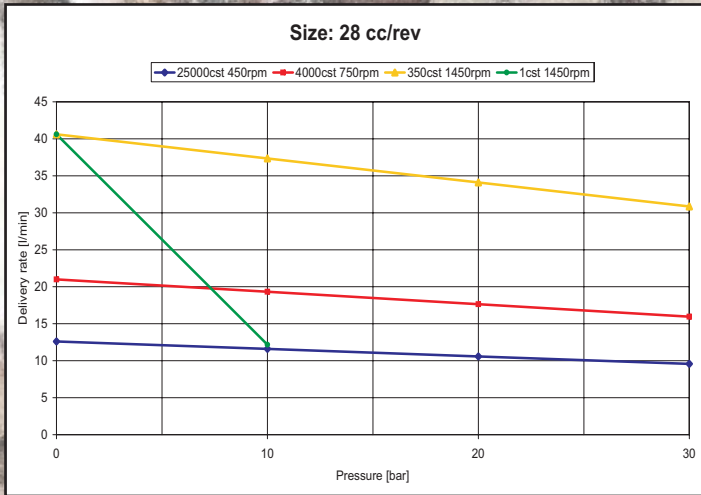
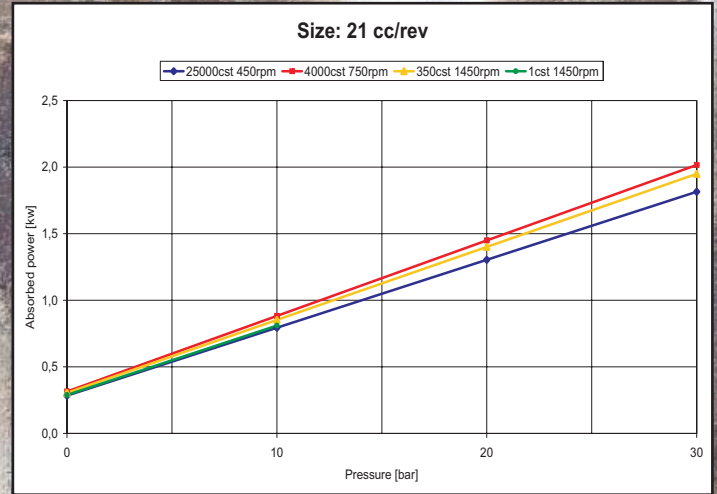
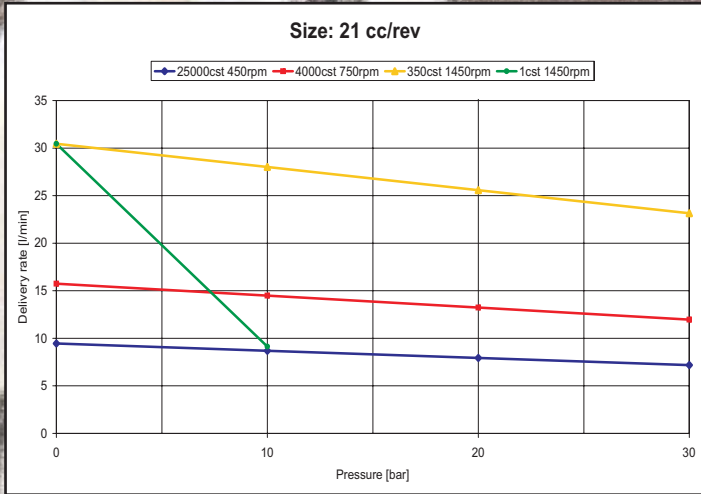
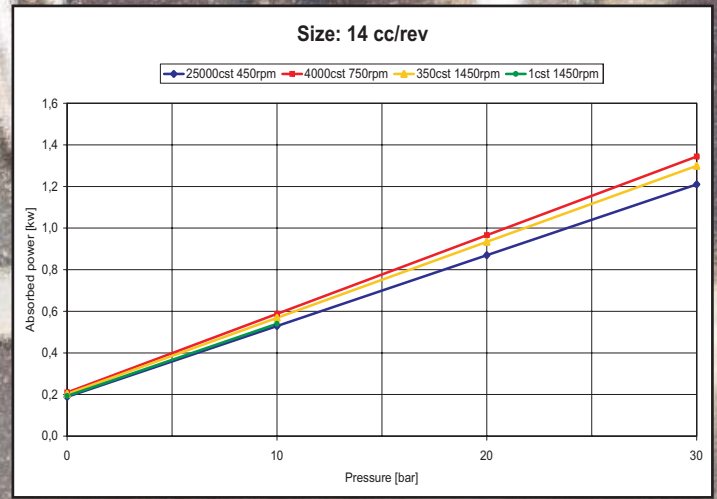
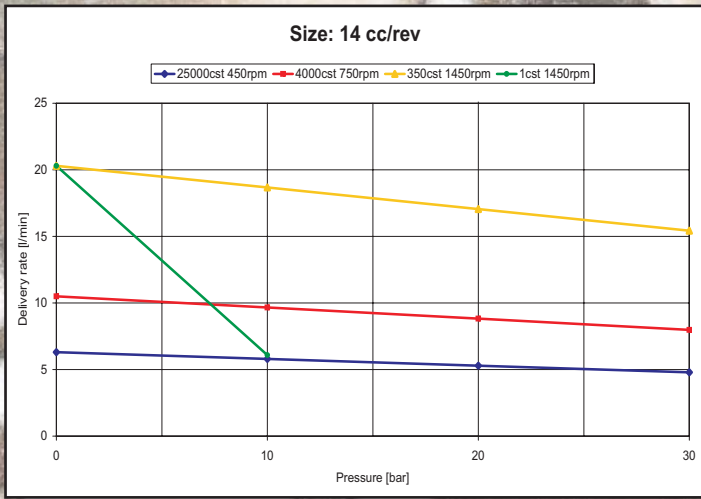
CURVES READING

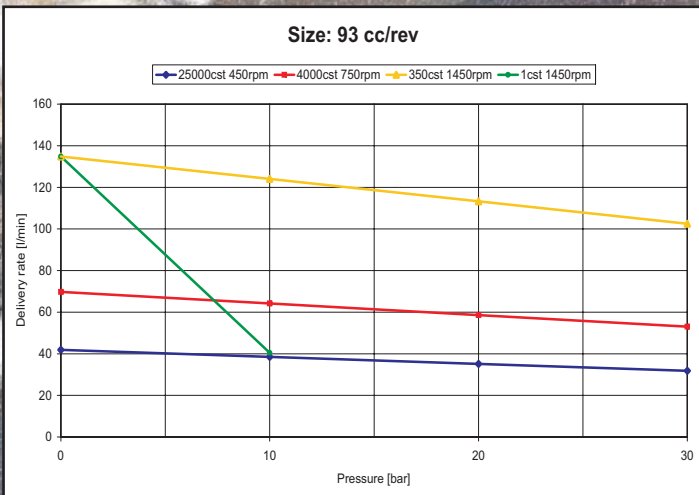
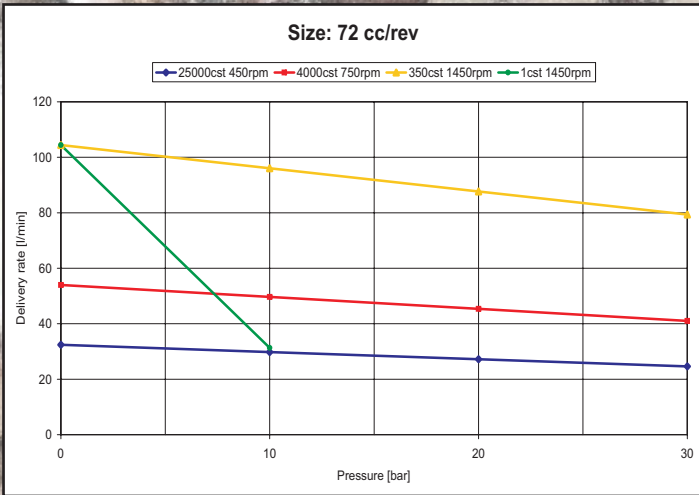
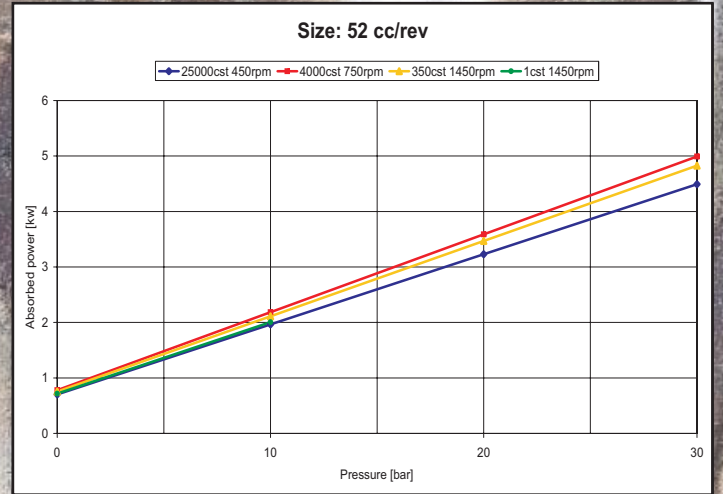
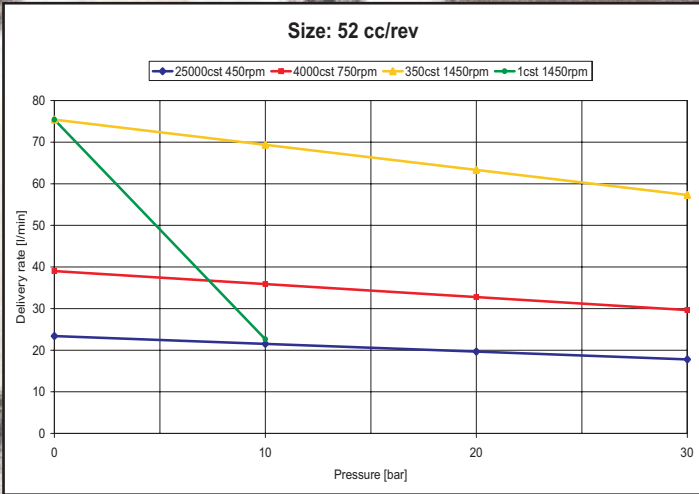
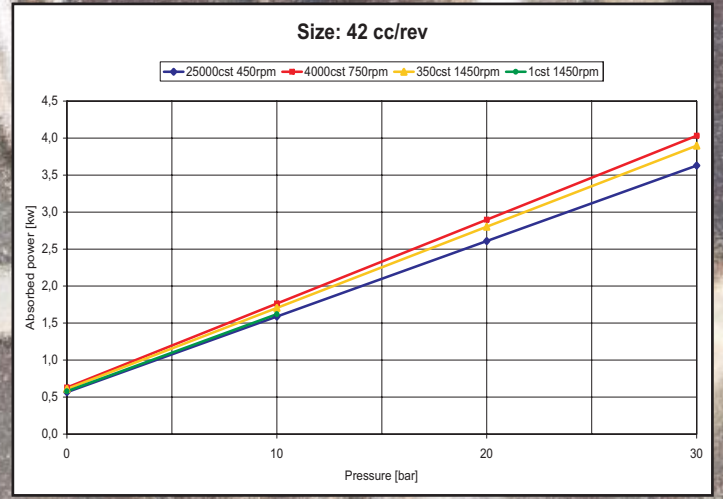
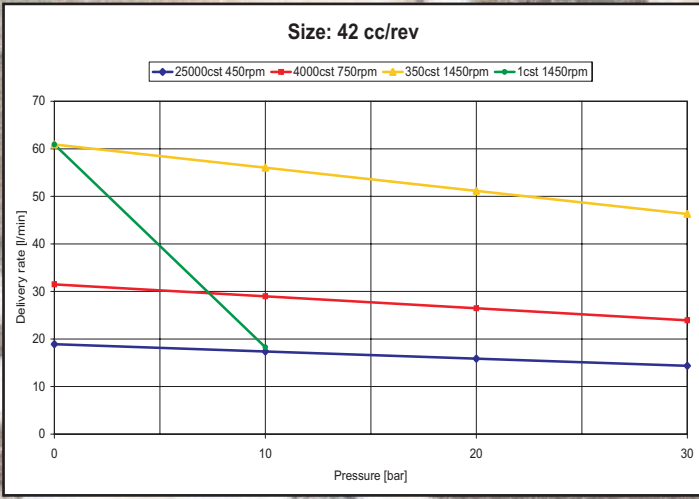
Curves are not binding and must be considered just as example of possible performance of a gear pumps. All performance data don't take care of temperature, site conditions, media conditions, start-up conditions and wear. Note that delivery is theoretically related to indicated fluid viscosity and atmospheric inlet port pressure. Delivery is also calculated with approximated rotations speeds. In real, motors speeds have a tolerance of **±8%RPM**. For any question please contact our office.

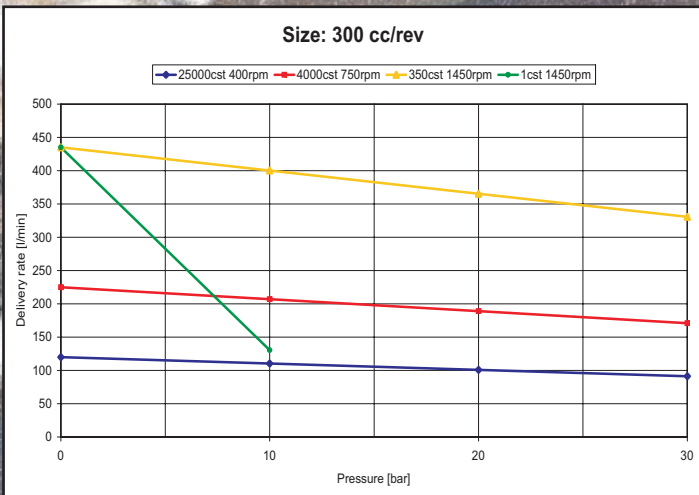
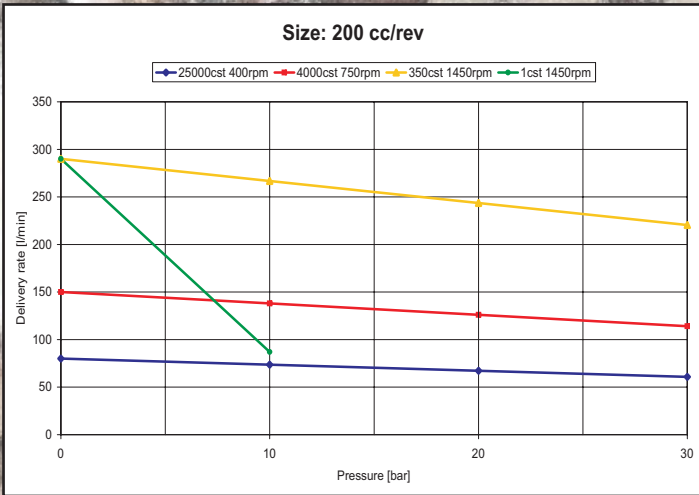
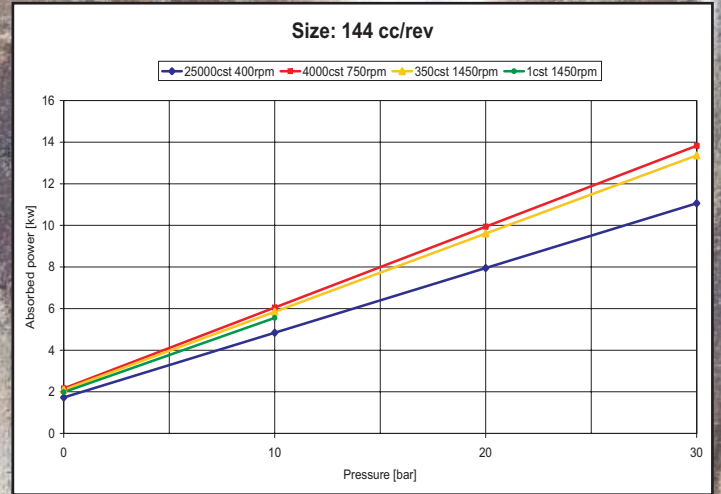
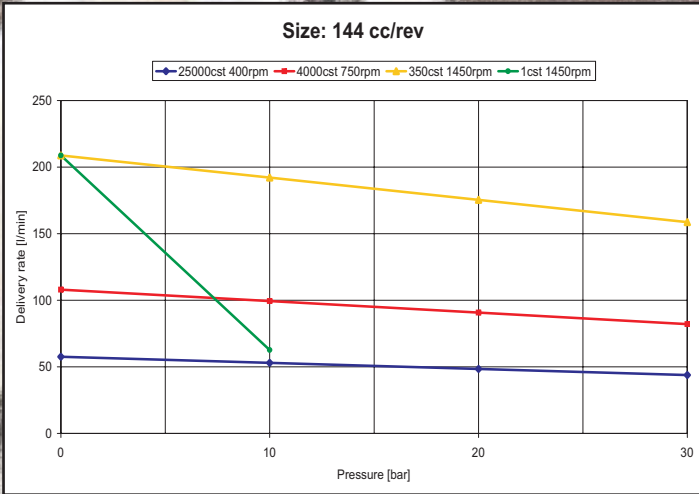
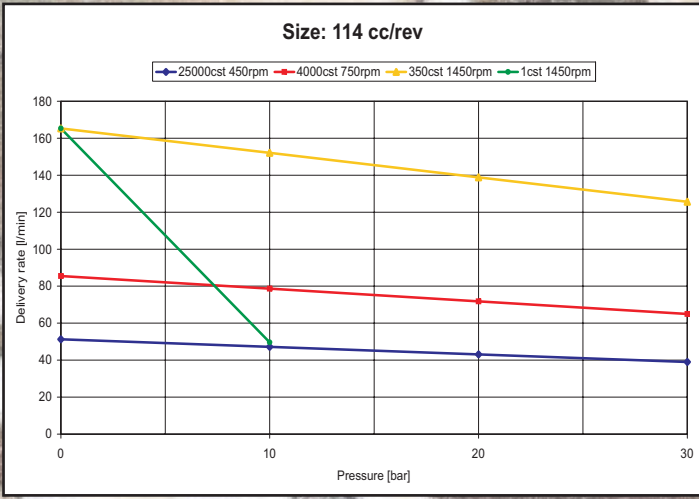
◆ 25000cst
 ◆ 4000cst
 ◆ 350cst
 ◆ 1cst

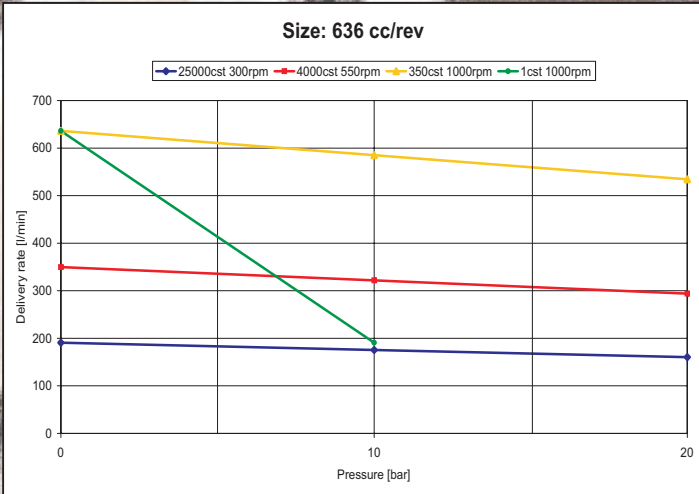
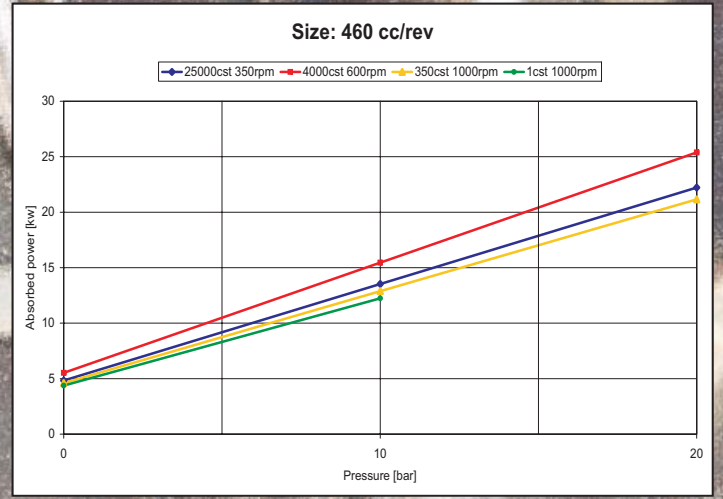
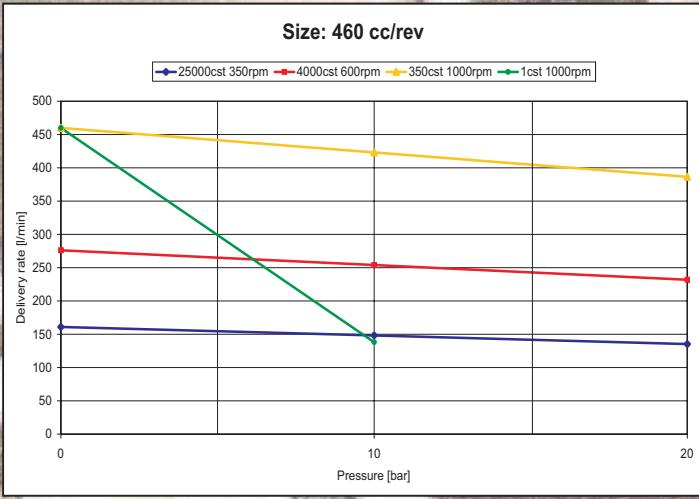












SELECTION SHEET

+Unit description

Quotation for : Pump (Pump bare shaft)
 Pump+Joint (Pump complete of two elastic joint. One is for motor)
 Pump+Joint+Motor (Pump already installed on motor via lantern or base plate)

Coupling form : Foot/B3 Lantern/B5 Lantern/B14

+Pump operational condition

Delivery : Max_____l/min Min_____l/min
 Inlet pressure : Max_____bar Min_____bar
 Outlet pressure: Max_____bar Min_____bar
 Viscosity : Max_____cst Min_____cst
 Temperature : Max_____°c Min_____°c

+Construction material

Pump housing : Stainless Steel (316L) Cast Iron (G25)
 Seal type : Mechanical seal (Stainless Steel and carbon graphite)
 Mechanical seal (Brazed TC on Stainless Steel)
 Double Mechanical seal
 Magnetic Coupling
 Lip seal
 Lip seal for bel coupling
 Packed gland seal

Sealing o-rings : Viton Teflon Silicon

+Required optional

Relief valve : None Bypass Unidirectional
 Flange : None ANSI DIN-ISO DIN-UNI Clamp
 Heating system: None Oil or Steam Electric
 Seal add on : None Quench Plan54 Flushing holes

+Electric motor

Rotation speed: 50Hz 750rpm/8p 1000rpm/6p 1450rpm/4p
 60Hz 850rpm/8p 1200rpm/6p 1800rpm/4p
 Reducer at _____rpm
 Variator at _____rpm

Insulation class : EexdIIB EexdIIC Clixon IP65 Zone2
 Voltage : _____ Volt
 Installed power: _____ Kw

+VISCOSITY conversion table

Stokes (St)	x100	= Centistokes (CST)
Poise (P)	x100	= Centistokes (CST)
Centipoise (cP)	x1	= Centistokes (CST)
Pascal Second (Pa*s)	x1'000	= Centistokes (CST)
M .Pascal Sec. (mPa*s)	x1	= Centistokes (CST)
°Engler (°E)	x7.407	= Centistokes (CST)
Redwood 1	x0.247	= Centistokes (CST)
Saybolt Univ. Sec. (SUS)	x0.216	= Centistokes (CST)

+PRESSURE conversion table

Kilo Square Centimet. (kg/cm ²)	x1.02	=Bar (BAR)
Pounds Square Inch (psi)	x0.067	=Bar (BAR)
Pascal (Pa)	x10	=Bar (BAR)
Kilo Pascal (kPa)	x0.01	=Bar (BAR)
Torr (Torr)	x0.001	=Bar (BAR)
Atmosphere (atm)	x1.013	=Bar (BAR)
Newton Square Meter (N/m ²)	x10	=Bar (BAR)

+DELIVERY conversion table

Cubic Meter Hour (m ³ /h)	x 16.66	=Liter Minute (l/m)
Cubic Meter Min. (m ³ /m)	x 1'000	=Liter Minute (l/m)
Cubic Feet Min. (cfm)	x 28.33	=Liter Minute (l/m)
Gallon Min. (UK) (gpm)	x 4.545	=Liter Minute (l/m)
Gallon Min. (USA) (gpm)	x 3.788	=Liter Minute (l/m)

+TEMPERATURE conversion table

Kelvin (°K)	=	°K-273	=Centigrades (°C)
Fahrenheit (°F)	=	0.55*(°F-32)	=Centigrades (°C)

+POWER conversion table

Horse Power (HP)	x1.341	= Kilo Watt (kW)
Cheval Vapeur (CV)	x1.36	= Kilo Watt (kW)

+DISTANCE & WEIGHT conversion table

Inch (in)	x25.4	= Millimeter (mm)
Pound (lb)	x0.453	= Kilogramm (kg)