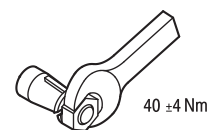


Gear Pumps



P1 = Continuous Operating Pressure
P2 = Intermittent Operating Pressure
P3 = Peak Pressure

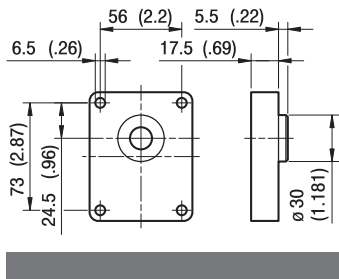
ALP1 Series

Gear Pumps

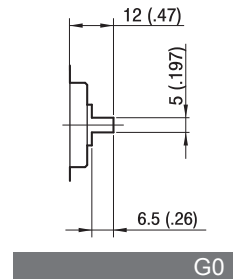
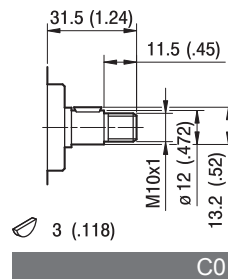
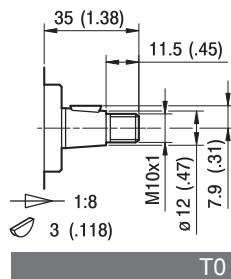


FLANGE, SHAFT & PORT DETAILS

FLANGES



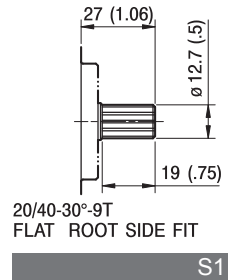
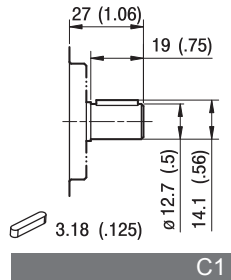
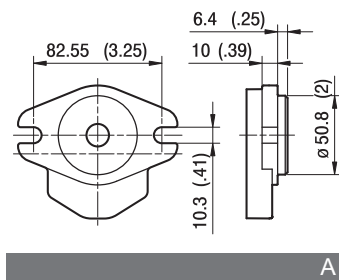
SHAFTS



Max Torque 100 Nm

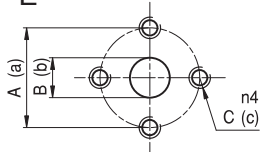
Max Torque 55 Nm

Max Torque 45 Nm



Max Torque 60 Nm

Max Torque 100 Nm

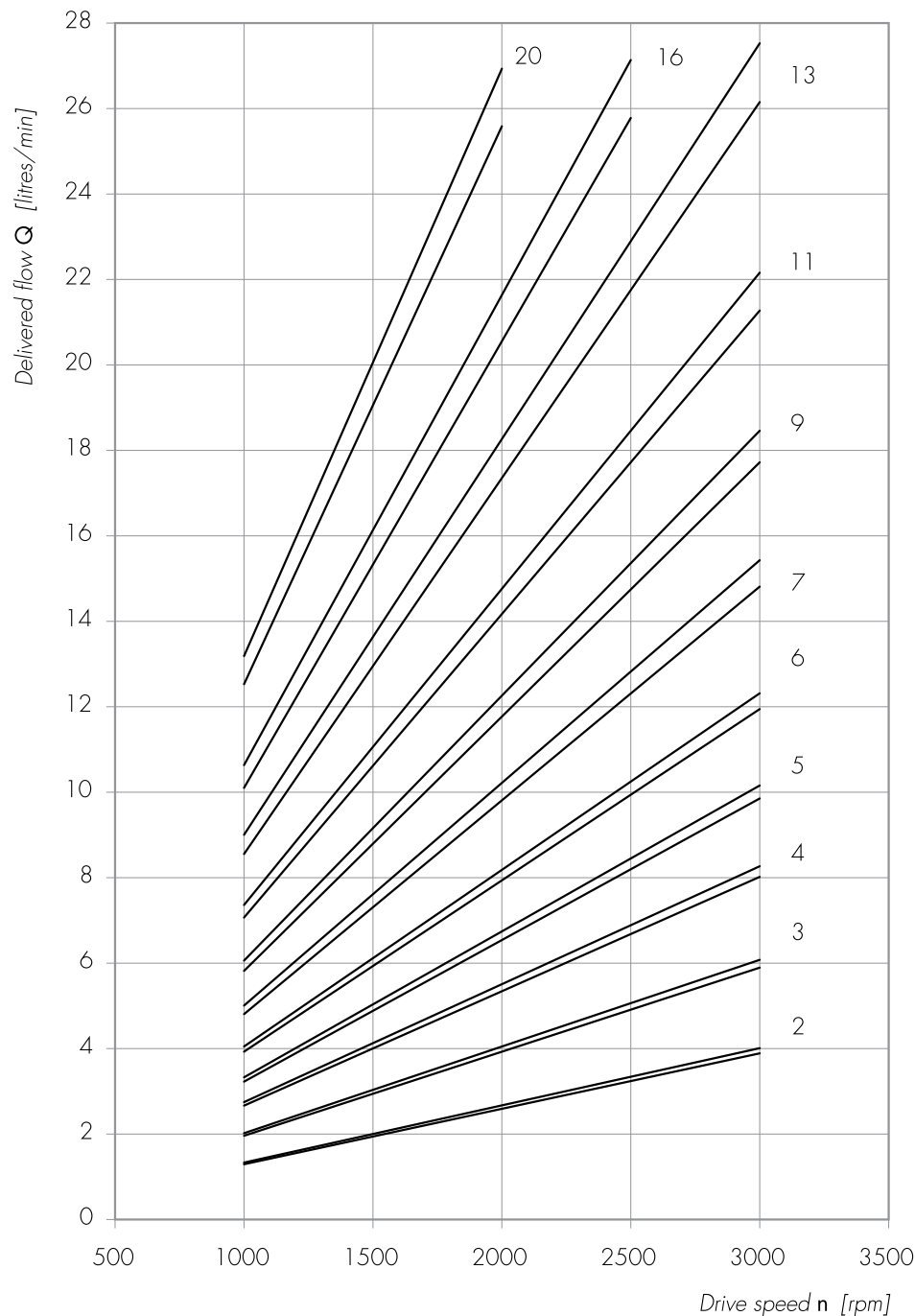
E	Type	Inlet			Outlet		
		A	B	C	a	b	c
	ALP1..2 - ALP1..20	30	13	M6	30	13	M6
FG	Type	Inlet A			Outlet a		
	ALP1..2 - ALP1..5	G 1/2			G 3/8		
	ALP1..6 - ALP1..20	G 1/2			G 1/2		
FC	Type	Inlet A			Outlet a		
	ALP1..2 - ALP1..20	Rc 1/2			Rc 1/2		
FA	Type	Inlet A			Outlet a		
	ALP1..2 - ALP1..9	3/4 - 16 UNF			9/16 18 UNF		
	ALP1..11 - ALP1..20	7/8 - 14 UNF			3/4 - 16 UNF		
STANDARD SAE J1926/1							

ALP1 Series

Gear Pumps



ALP1 Performance Curves



Each curve has been obtained at 50°C, using oil with viscosity 30 cSt at these pressures.

2	— 25-240 bar	6	— 25-230 bar	9	— 25-220 bar	11	— 25-180 bar	13	— 25-170 bar	16	— 25-150 bar	20	— 25-140 bar
3		7											
4													
5													

ALP1 Series

Gear Pumps

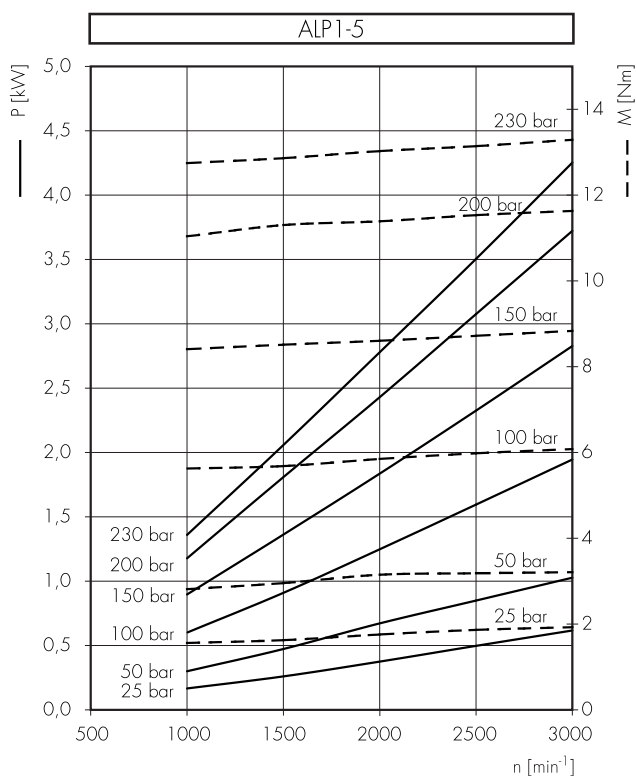
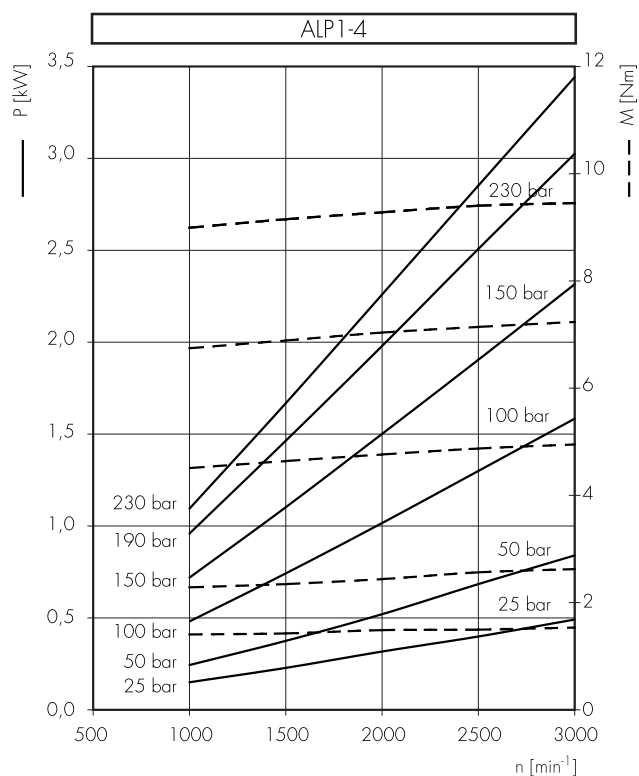
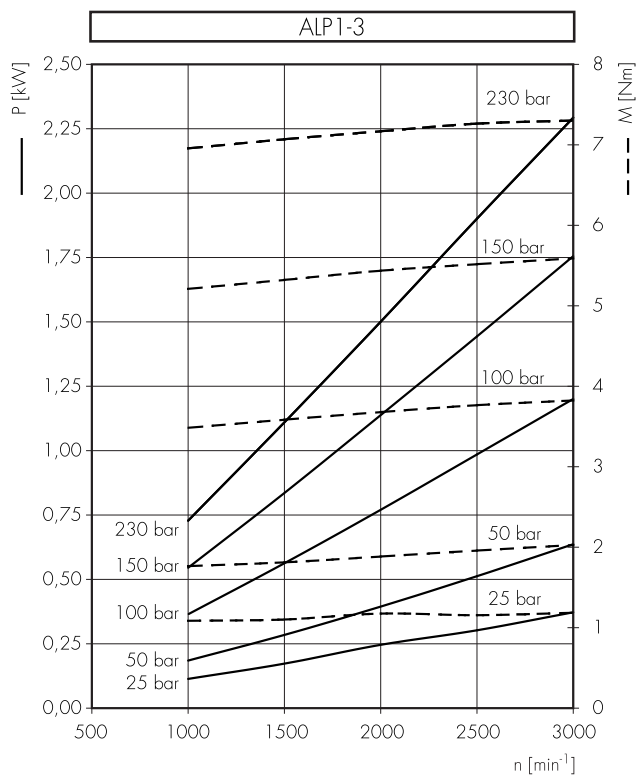
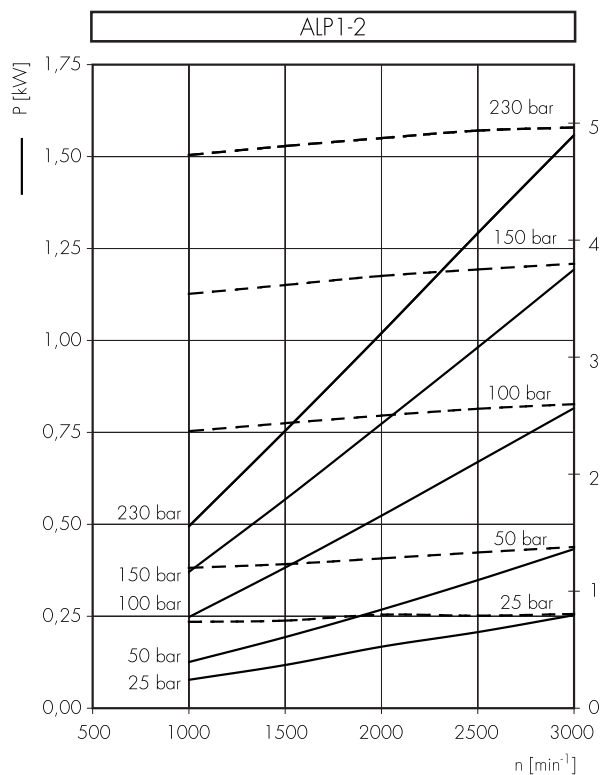


TYPICAL PERFORMANCE DATA

Absorbed power P [kW]

Absorbed torque M [Nm]

Drive speed n [rpm]



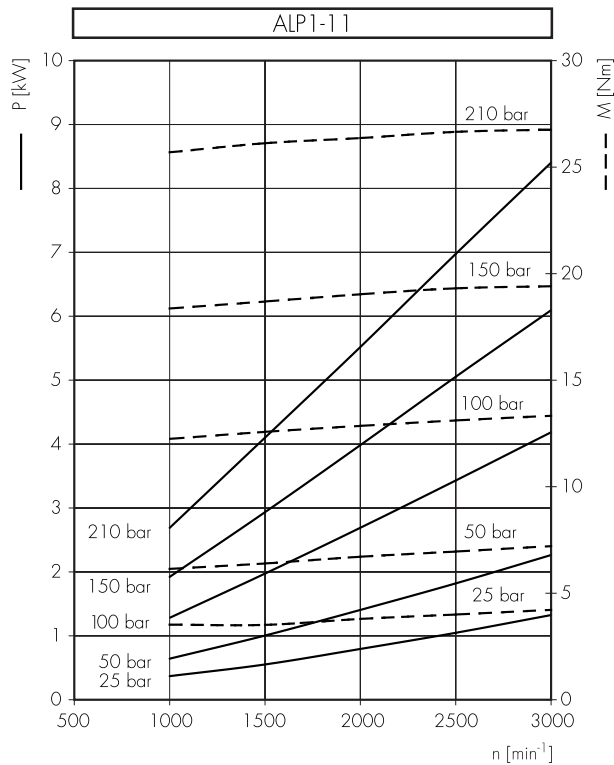
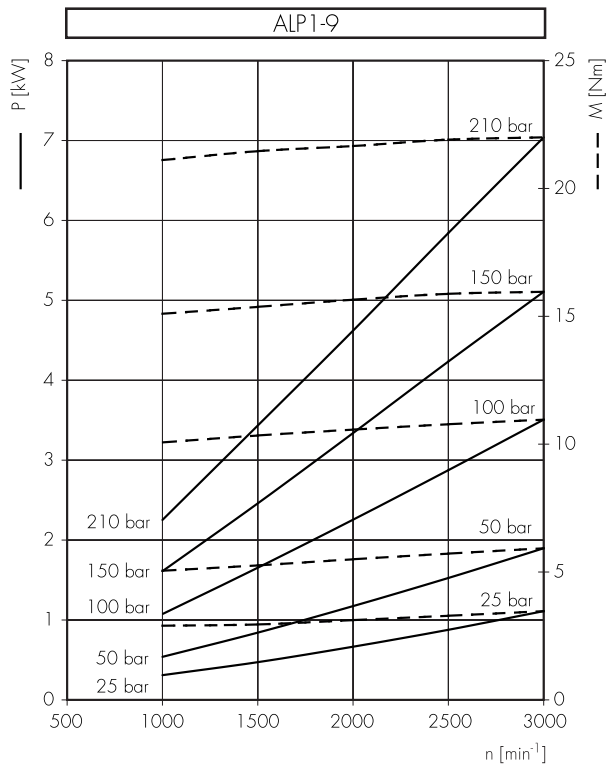
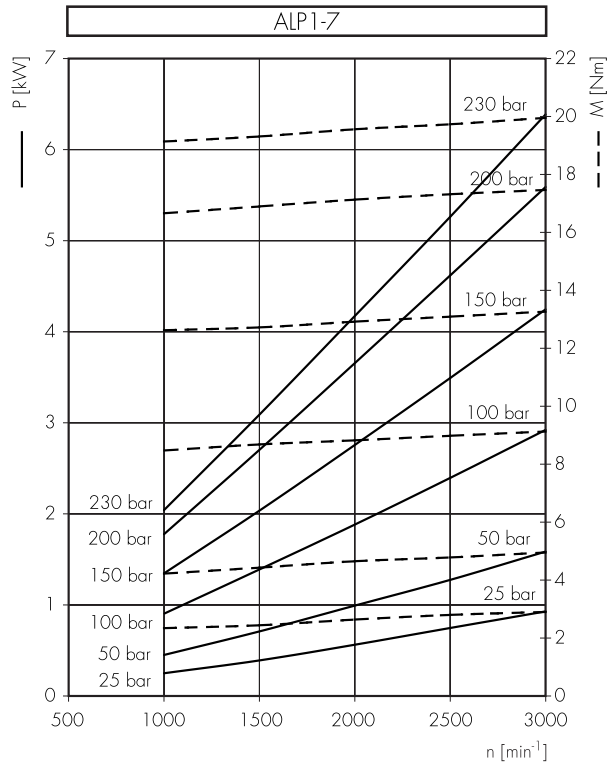
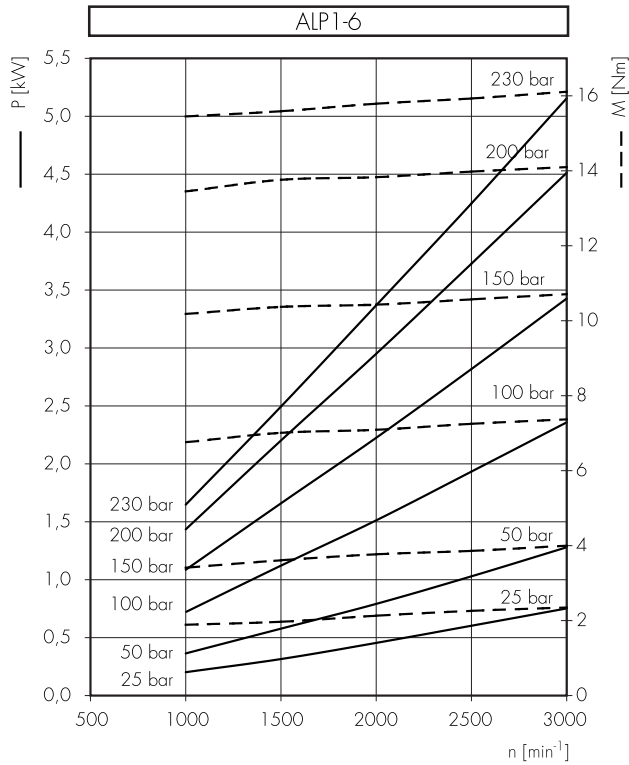
ALP1 Series

Gear Pumps



TYPICAL PERFORMANCE DATA

Absorbed power P [kW]
Absorbed torque M [Nm]
Drive speed n [rpm]



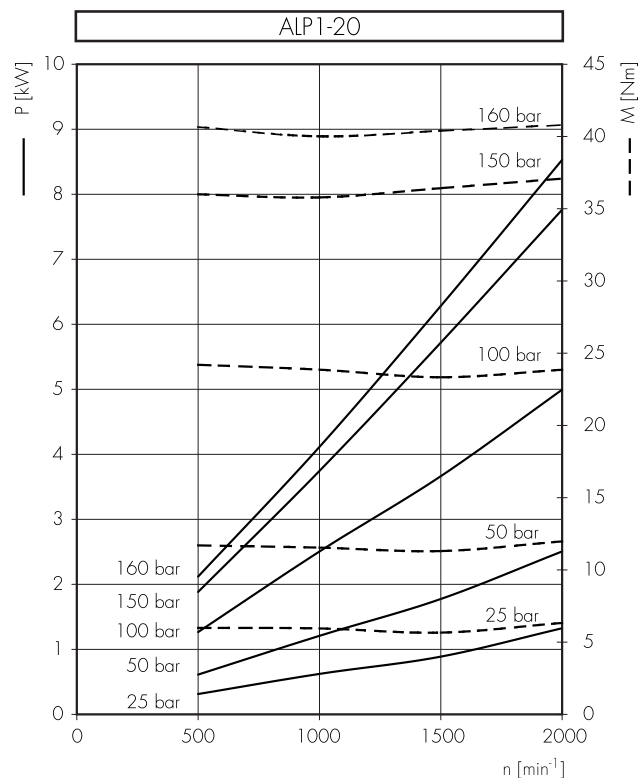
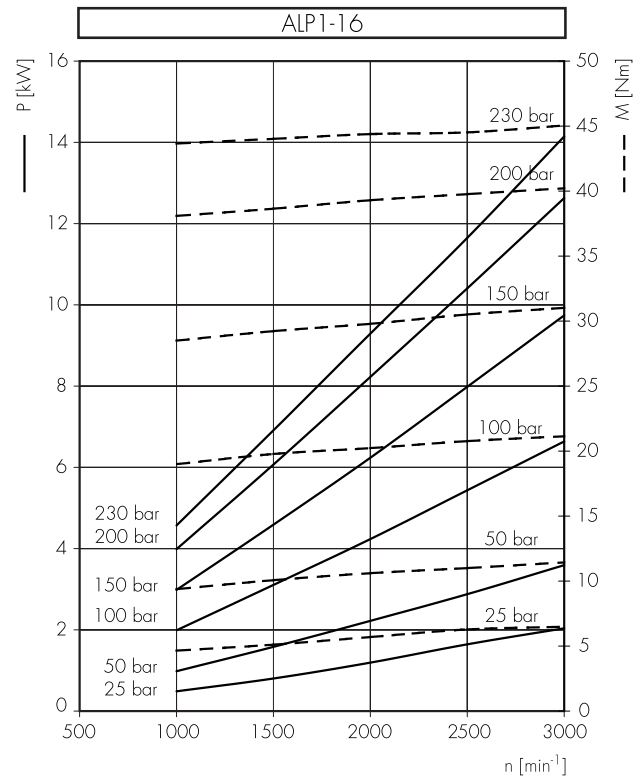
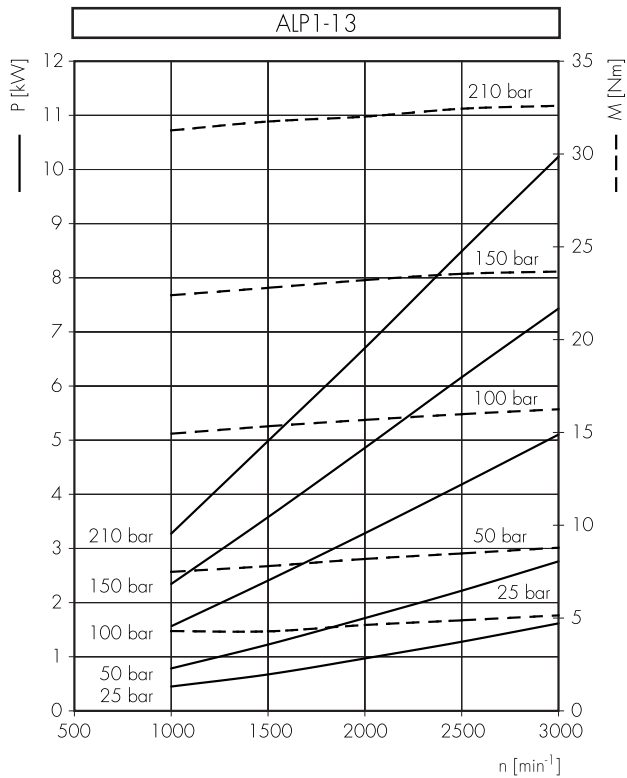
ALP1 Series



Gear Pumps

TYPICAL PERFORMANCE DATA

Absorbed power P [kW]
Absorbed torque M [Nm]
Drive speed n [rpm]



ALP1 Series

Gear Pumps



HOW TO ORDER

ALP1	TYPE	ROTATION	SIZE	SHAFT*	PORTS*	SEALS*	OPTIONS*	DRAIN
	omit	D CLOCKWISE	2					
	A	S COUNTER CLOCKWISE	3					
		R* REVERSIBLE	4					
			5					
			6					
			7					
			9					
			11					
			13					
			16					
			20					

Seals
omit (T range = -10°C + 80°C)
V
...

Options
TR
Drain (only for R rotation)

E0 = internal drain
E1 = external drain G1/4
**** E2 = external drain 9/16-18 UNF

(*) = to be specified if different from standard pump type

(**) = R rotation is available for all listed displacements

(***) = E2 Drain port is machined in compliance with threaded port with O-ring seal in truncated housing SAE J1926/1 (ISO 11926-1). Thread depth 12.7mm.

Pump Standard Types

- omit = european flange + shaft T0 + ports E + standard seals
- A = flange A + shaft C1 + ports FA + standard seals