

ALP4 Series

Gear Pumps

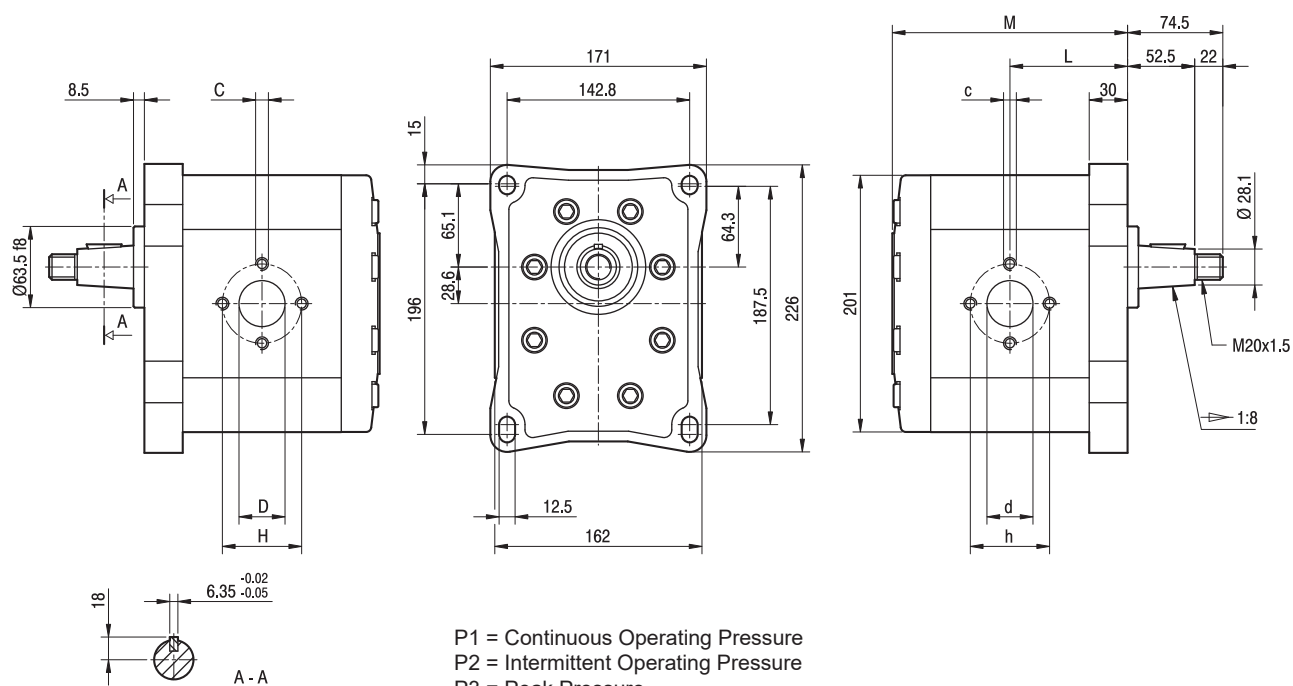


DIMENSIONAL DETAILS

TYPE	DISPLACEMENT CM ³ /REV	FLOW AT 1500 REV/MIN	MAX. WORKING PRESSURE			MAX. SPEED RPM
			P1	P2	P3	
ALP4D130	87	124	240	260	280	2800
ALP4D160	106	151	200	220	240	2300
ALP4D190	128	182	180	200	220	2500
ALP4D220	147	209	170	190	210	2200
ALP4D250	166	237	160	170	190	2000
ALP4D270	181	258	140	150	170	2400
ALP4D300	200	285	130	140	150	2400

OUTLET

INLET

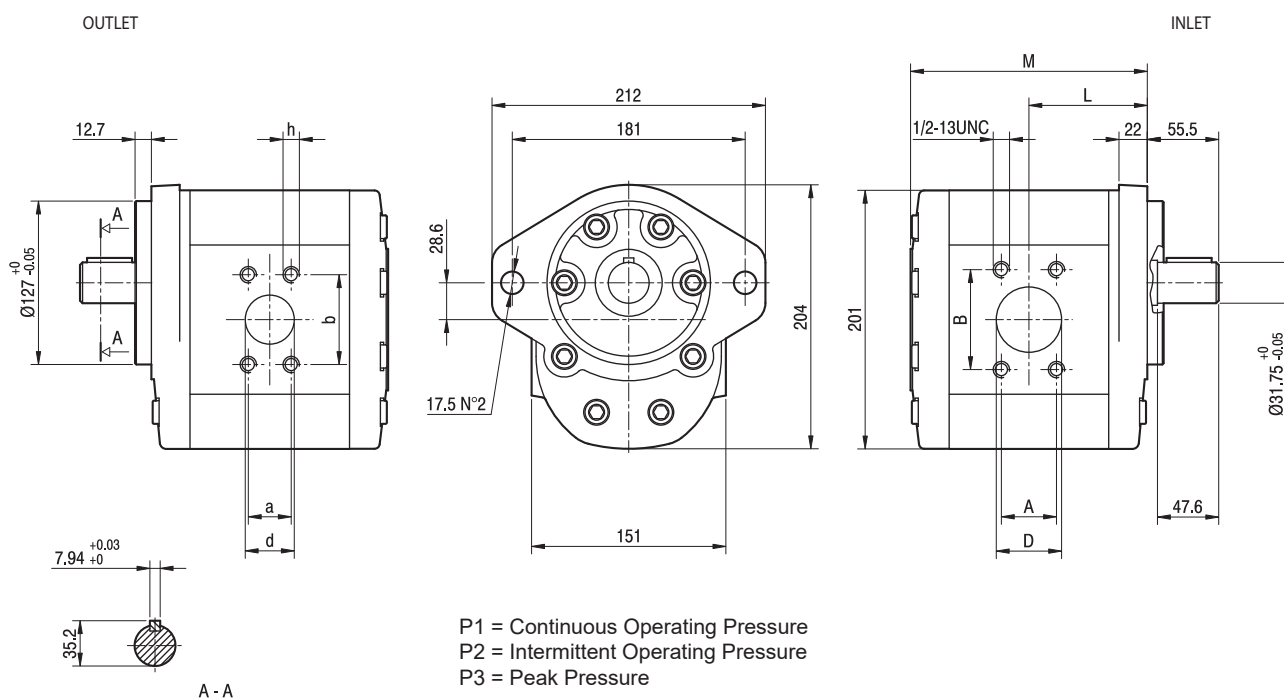


TYPE	DIMENSIONS mm							
	L	M	c	C	d	D	h	H
ALP4D130	92	184	M10	M10	36	30	62	56
ALP4D160	96	192	M10	M10	36	30	62	56
ALP4D190	100.5	201	M12	M10	45	36	72.5	62
ALP4D220	104.5	209	M12	M10	45	36	72.5	62
ALP4D250	108.5	217	M12	M10	45	36	72.5	62
ALP4D270	111.5	223	M12	M12	56	45	92	72.5
ALP4D300	115.5	231	M12	M12	56	45	92	72.5

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DIMENSIONAL DETAILS

TYPE	DISPLACEMENT CM ³ /REV	FLOW AT 1500 REV/MIN	MAX. WORKING PRESSURE			MAX. SPEED RPM
			P1	P2	P3	
ALP4ED130	87	124	240	260	280	2800
ALP4ED160	106	151	200	220	240	2300
ALP4ED190	128	182	180	200	220	2500
ALP4ED220	147	209	170	190	210	2200
ALP4ED250	166	237	160	170	190	2000
ALP4ED270	181	258	140	150	170	2400
ALP4ED300	200	285	130	140	150	2400



TYPE	DIMENSIONS mm								
	L	M	A	B	D	a	b	d	h UNC
ALP4ED130	92	184	35.7	69.8	38	30.2	58.7	31.5	7/16
ALP4ED160	96	192	42.8	77.7	51	35.7	69.8	38	1/2
ALP4ED190	100.5	201	42.8	77.7	51	35.7	69.8	38	1/2
ALP4ED220	104.5	209	42.8	77.7	51	35.7	69.8	38	1/2
ALP4ED250	108.5	217	42.8	77.7	51	35.7	69.8	38	1/2
ALP4ED270	111.5	223	42.8	77.7	51	35.7	69.8	38	1/2
ALP4ED300	115.5	231	42.8	77.7	51	35.7	69.8	38	1/2

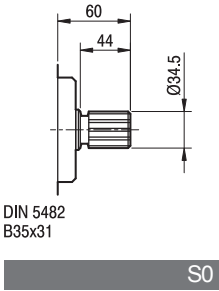
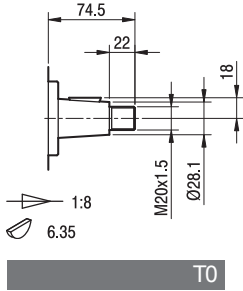
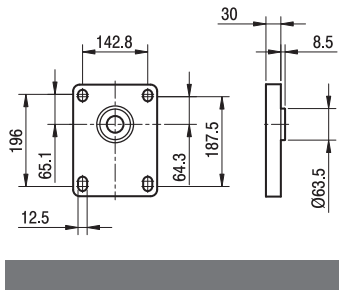
Gear Pumps

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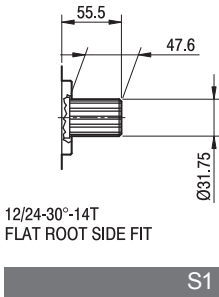
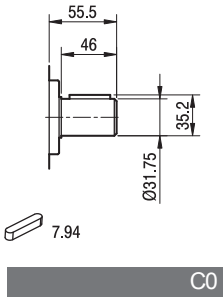
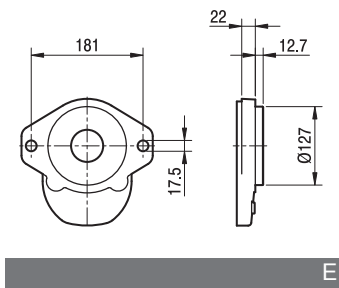
FLANGE & SHAFT DETAILS

FLANGES



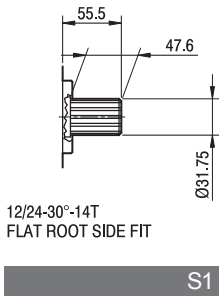
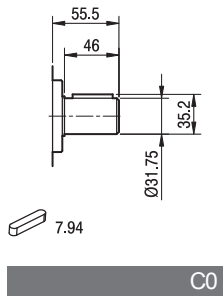
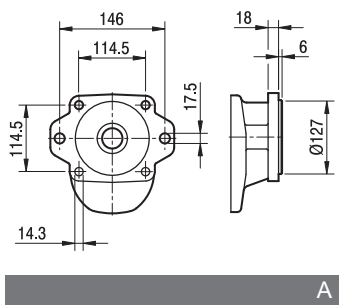
Max Torque 550 Nm

Max Torque 1500 Nm



Max Torque 450 Nm

Max Torque 900 Nm

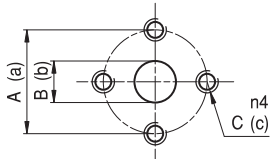


Max Torque 450 Nm

Max Torque 900 Nm

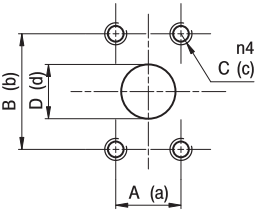
PORT DETAILS

PORTS



TYPE	INLET			OUTLET		
	A	B	C	a	b	c
ALP4 ... 130 ÷ ALP4 ... 160	62	36	M10	56	30	M10
ALP4 ... 190 ÷ ALP4 ... 250	72,5	45	M12	62	36	M10
ALP4 ... 270 ÷ ALP4 ... 300	92	56	M12	72,5	45	M12

Tightening torques of the fittings screws are specified on page 57 (accessories section).

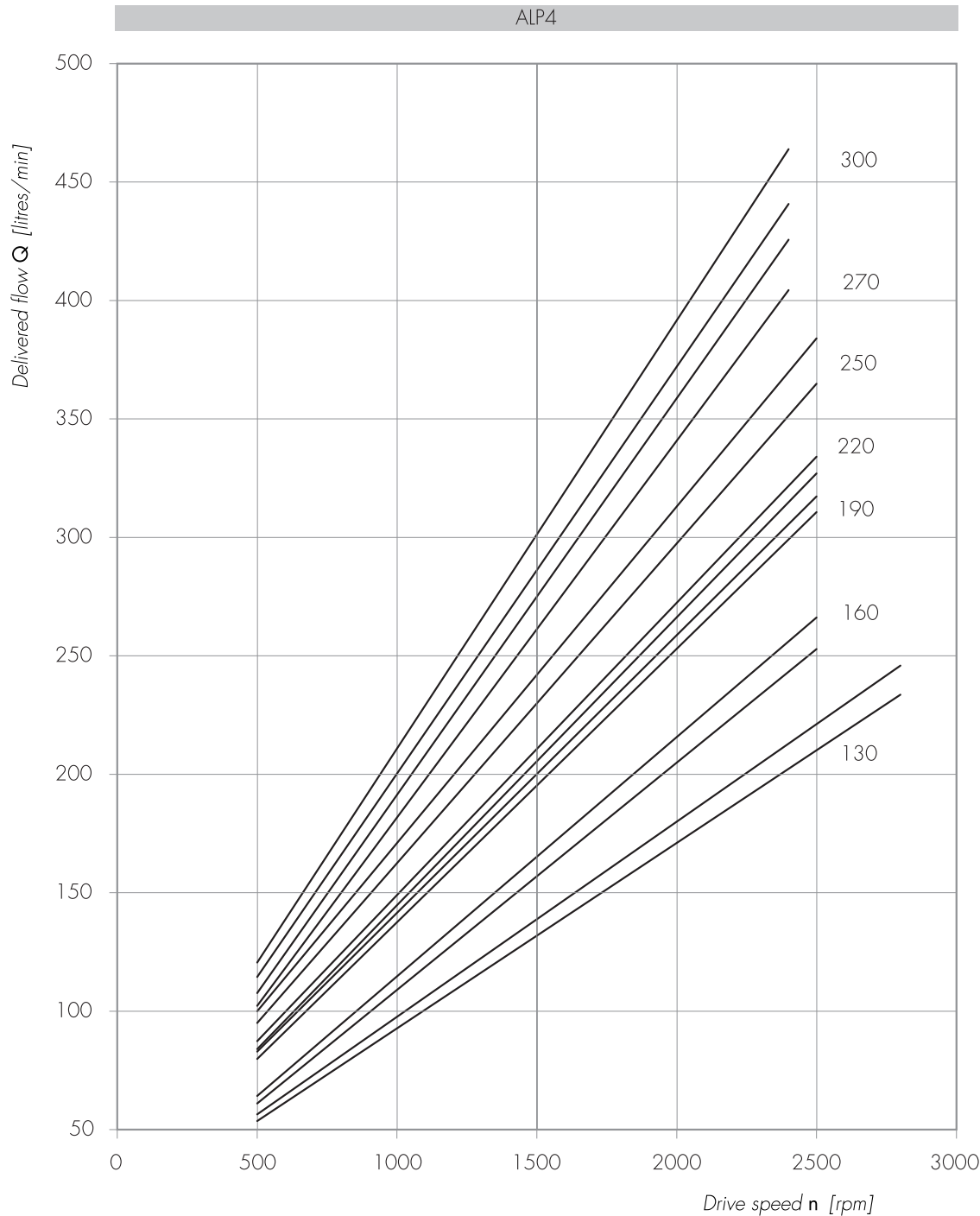


TYPE	INLET				OUTLET			
	A	B	C	D	a	b	c	d
ALP4 ... 130	35,7	69,8	1/2-13 UNC	38	30,2	58,7	7/16-14 UNC	31,5
ALP4 ... 160 ÷ ALP4 ... 300	42,8	77,7	1/2-13 UNC	51	5,7	69,8	1/2-13 UNC	38

Tightening torques of the fittings screws are specified on page 57 (accessories section).



ALP4 PERFORMANCE CURVES



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

130 — 50-240 bar	190 — 50-180 bar	270 — 50-150 bar
160 — 50-220 bar	220 — 50-170 bar	300 — 50-130 bar

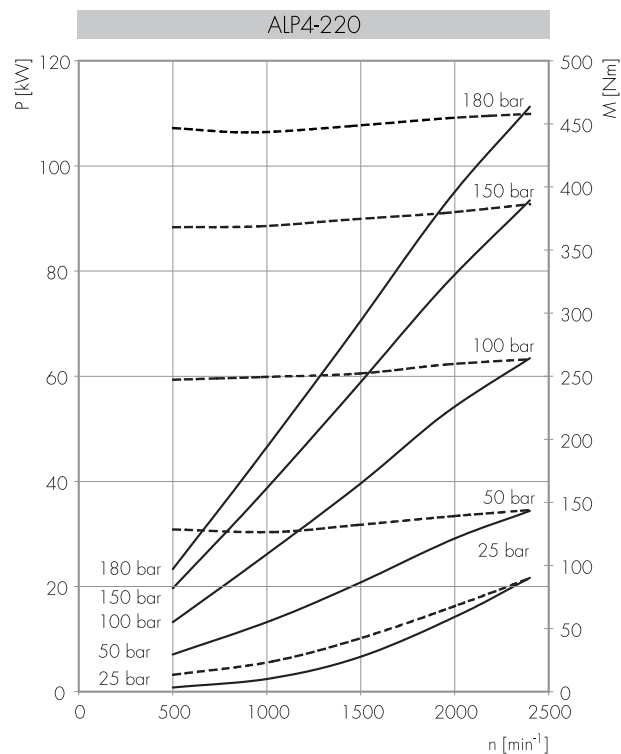
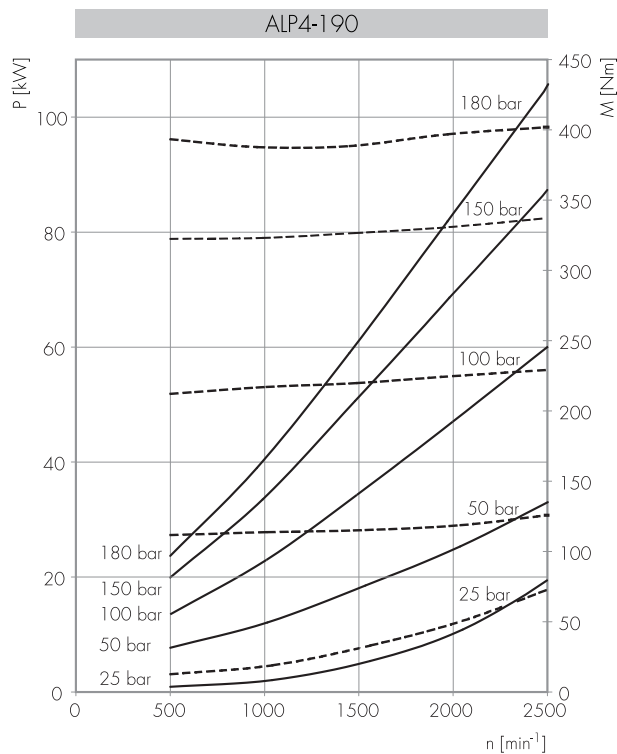
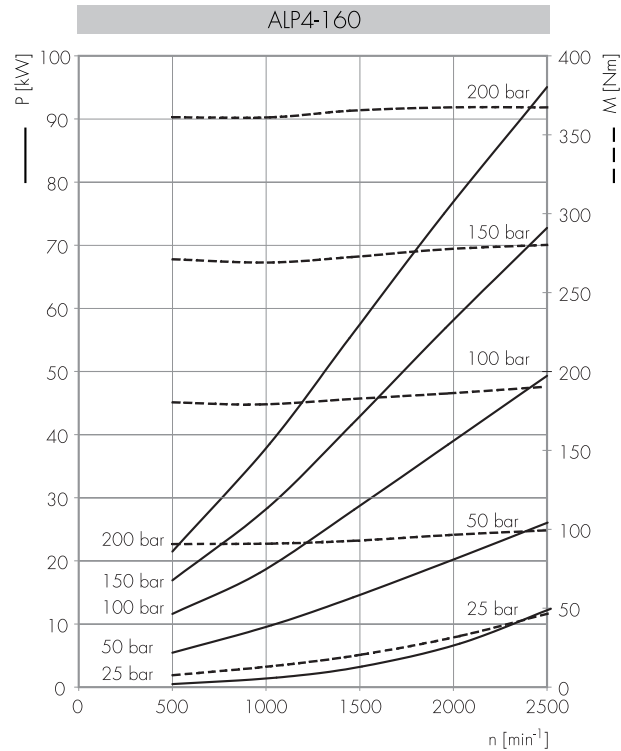
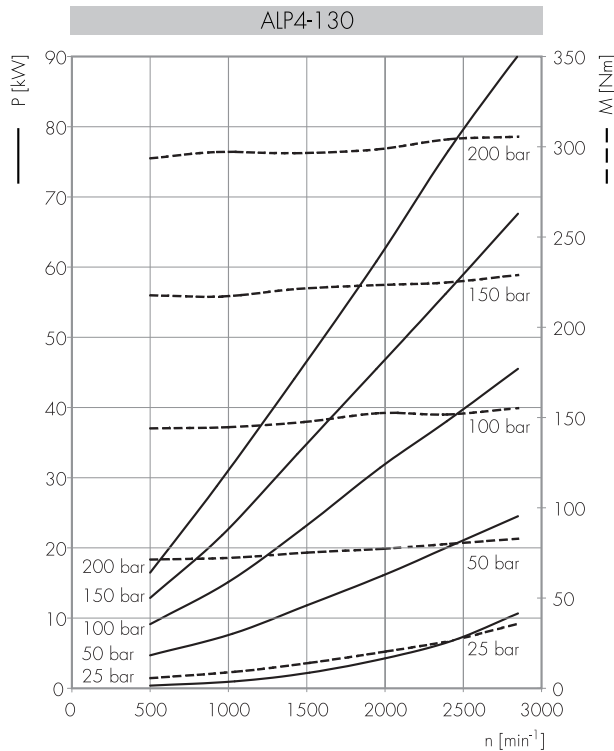
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Gear Pumps



TYPICAL PERFORMANCE DATA

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



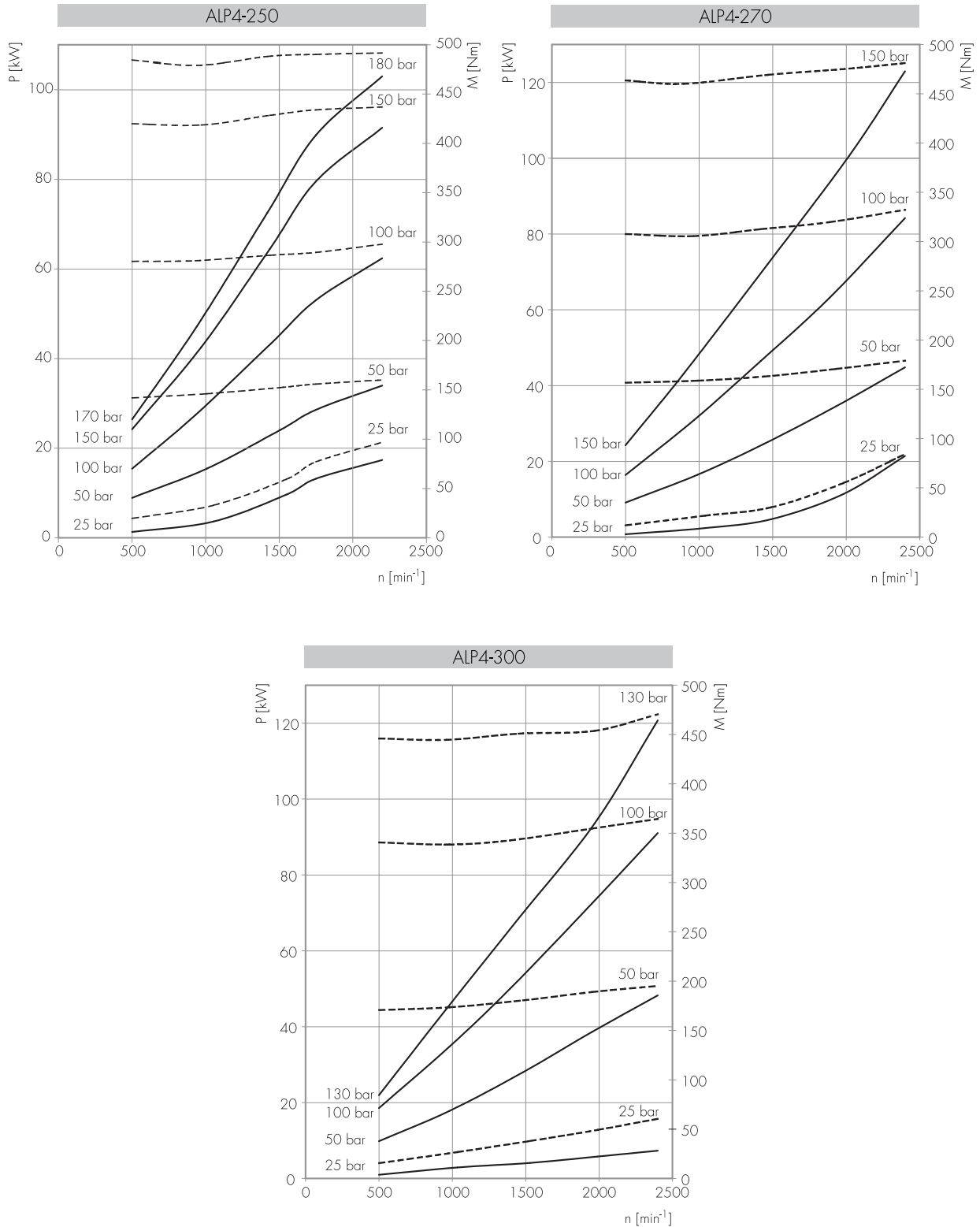
ALP4 Series

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TYPICAL PERFORMANCE DATA

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



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HOW TO ORDER

ALP4	TYPE	ROTATION	SIZE	SHAFT*	PORTS*	SEALS*	OPTIONS*	DRAIN
	omit	D CLOCKWISE	130			Seals		
	E	S COUNTER CLOCKWISE	160			omit (T range = -10°C + 80°C)		
	A		190			V		
			220			...		
			250			Options		
			270			TR		
			300			Drain (only for R rotation)		

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

Pump StandardTypes

- omit = european flange + shaft T0 + ports E + standard seal
- E = flange E + shaft C0 + ports A + standard seal
- A = flange A + shaft C0 + ports A + standard seal