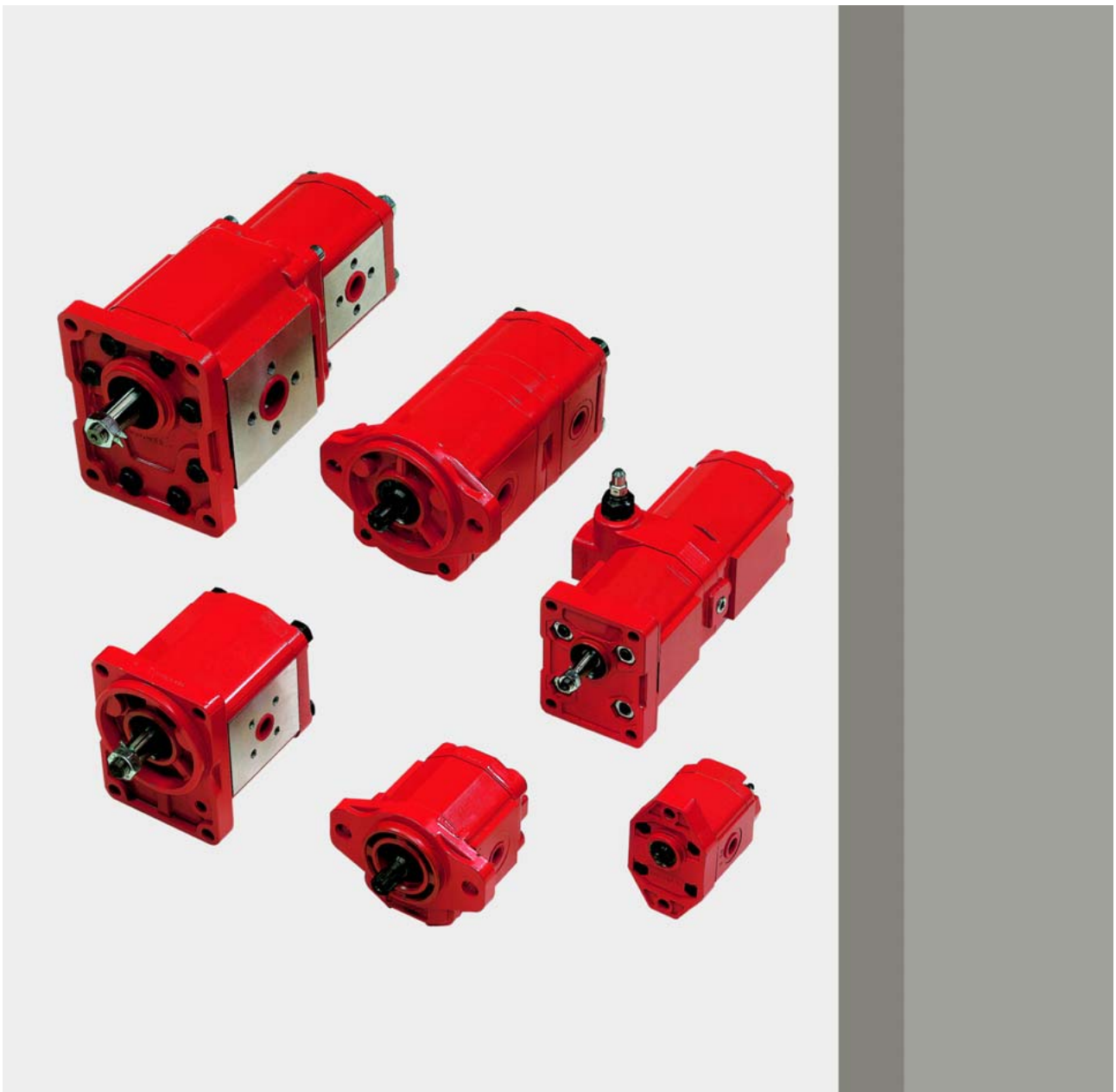


Gear Pumps



motion and progress

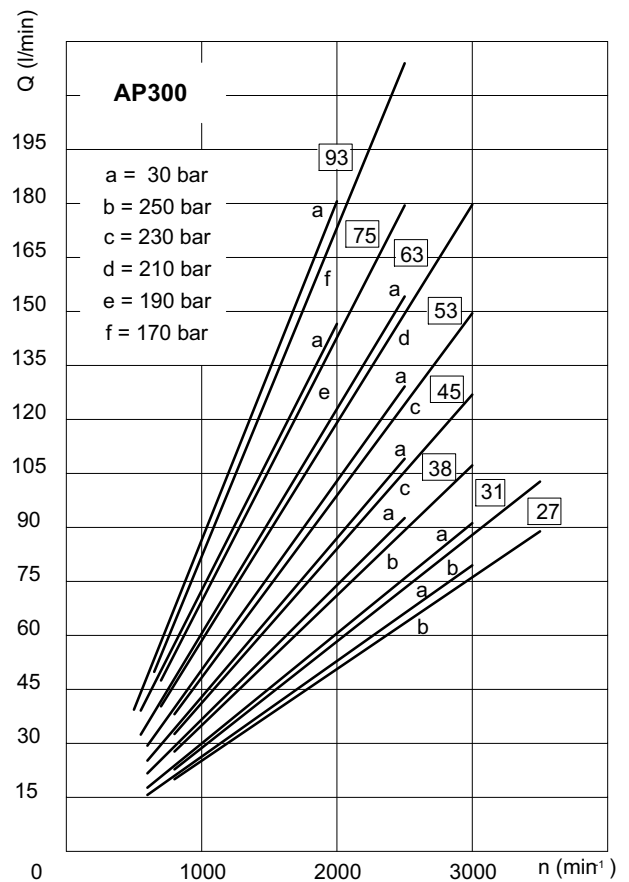
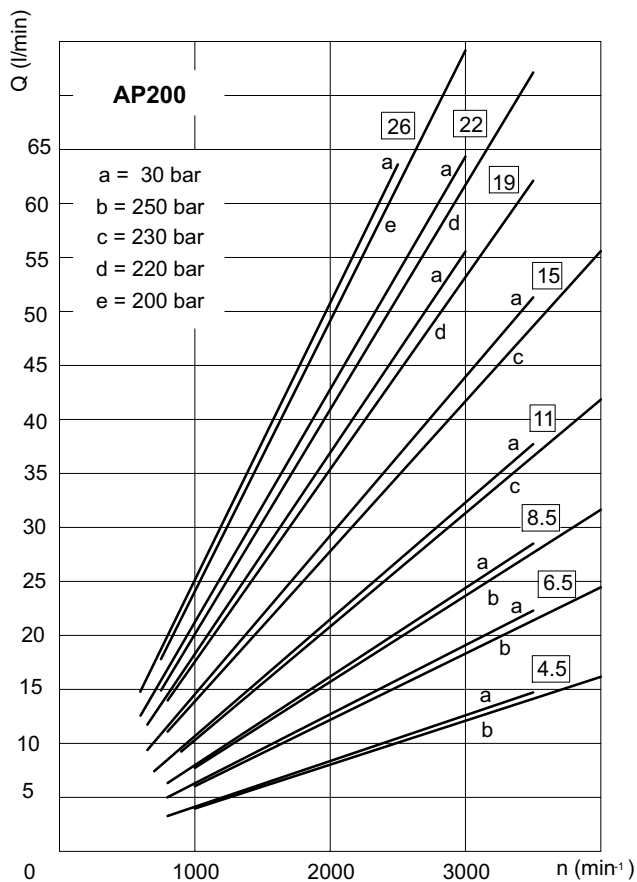
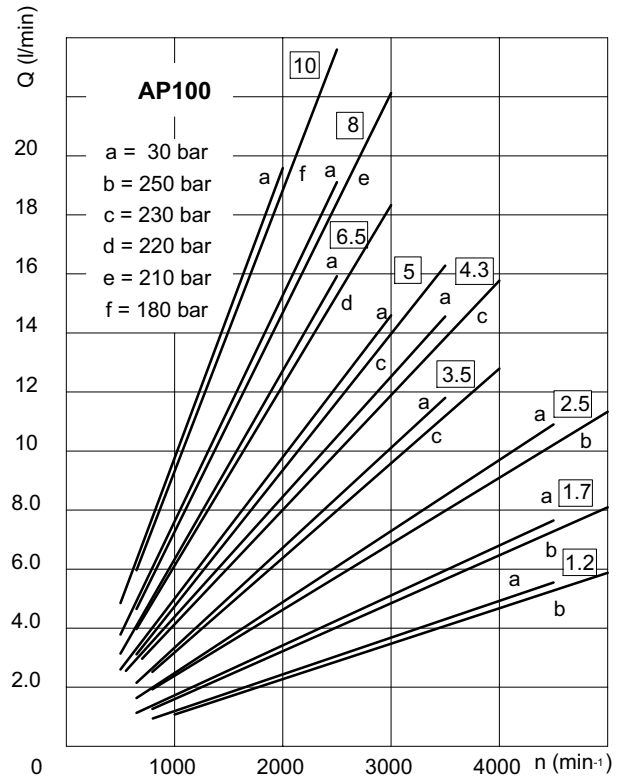
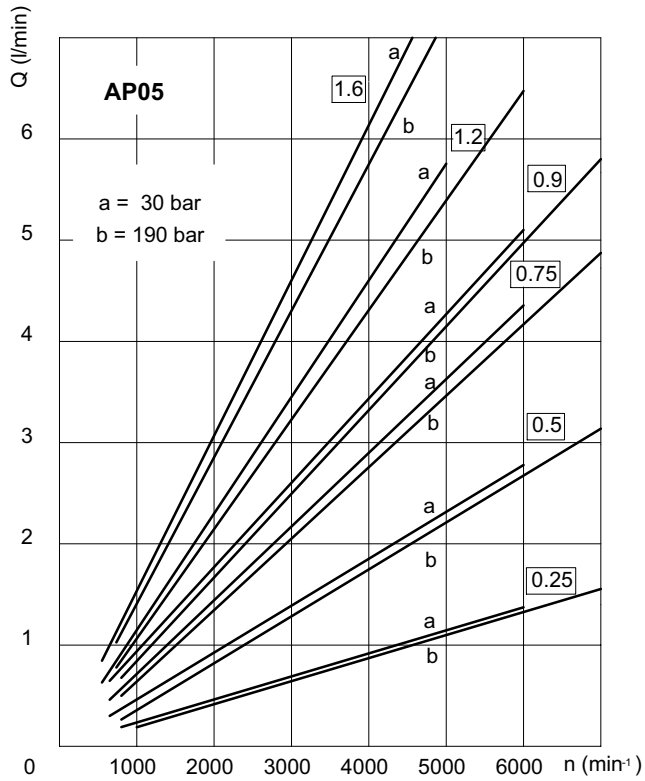
AP100 Type	Displacement		Max. pressure						n min.		n max.	
	cm ³ /rev	Cu. In. P. R.	P1		P2		P3		P ≤ P1	P > P1	P ≤ P1	P > P1
			bar	P.S.I.	bar	P.S.I.	bar	P.S.I.				
AP100/1.2	1.2	.073	210	3000	250	3600	280	4000	800	1000	4500	5000
AP100/1.7	1.7	.103	210	3000	250	3600	280	4000	650	800	4500	5000
AP100/2.5	2.5	.152	210	3000	250	3600	280	4000	650	800	4500	5000
AP100/3.5	3.5	.213	210	3000	230	3300	250	3600	650	800	3500	4000
AP100/4.3	4.3	.262	210	3000	230	3300	250	3600	550	700	3500	4000
AP100/5	5.0	.305	210	3000	230	3300	250	3600	500	650	3000	3500
AP100/6.5	6.5	.396	190	2700	220	3150	240	3400	500	650	2500	3000
AP100/8	7.8	.476	180	2600	210	3000	230	3300	500	650	2500	3000
AP100/10	10.0	.610	150	2150	180	2600	200	2900	500	650	2000	2500

AP/APR200 Type	Displacement		Max. pressure						n min.		n max.	
	cm ³ /rev	Cu.In.P .R.	P1		P2		P3		P ≤ P1	P > P1	P ≤ P1	P > P1
			bar	P.S.I.	bar	P.S.I.	bar	P.S.I.				
AP200/4.5	4.3	.262	220	3150	250	3600	280	4000	800	1000	3500	4000
AP200/6.5	6.3	.384	220	3150	250	3600	280	4000	800	1000	3500	4000
AP200/8.5	8.3	.506	220	3150	250	3600	280	4000	800	1000	3500	4000
AP200/11	11.0	.671	210	3000	230	3300	250	3600	700	900	3500	4000
AP200/15	15.0	.915	210	3000	230	3300	250	3600	650	800	3500	4000
AP200/19	18.9	1.159	210	3000	230	3300	250	3600	650	800	3000	3500
AP200/22	21.9	1.342	200	2900	220	3150	240	3400	600	750	3000	3500
AP200/26	25.9	1.586	190	2700	210	3000	230	3300	600	750	2500	3000
APR200/4.5	4.3	.262	220	3150	250	3600	280	4000	800	1000	3500	4000
APR200/6.5	6.3	.384	220	3150	250	3600	280	4000	800	1000	3500	4000
APR200/8.5	8.3	.506	220	3150	250	3600	280	4000	800	1000	3500	4000
APR200/11	11.0	.671	210	3000	230	3300	250	3600	700	900	3500	4000
APR200/15	15.0	.915	210	3000	230	3300	250	3600	650	800	3500	4000
APR200/19	18.9	1.159	210	3000	230	3300	250	3600	650	800	3000	3500
APR200/22	21.9	1.342	200	2900	220	3150	240	3400	600	750	3000	3500
APR200/26	25.9	1.586	190	2700	210	3000	230	3300	600	750	2500	3000

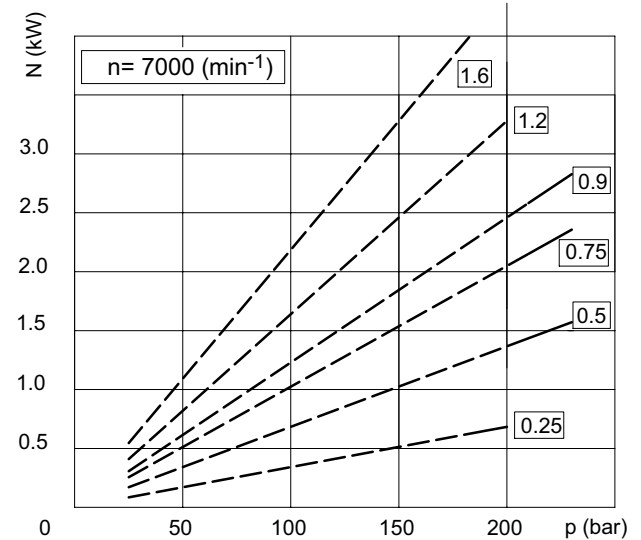
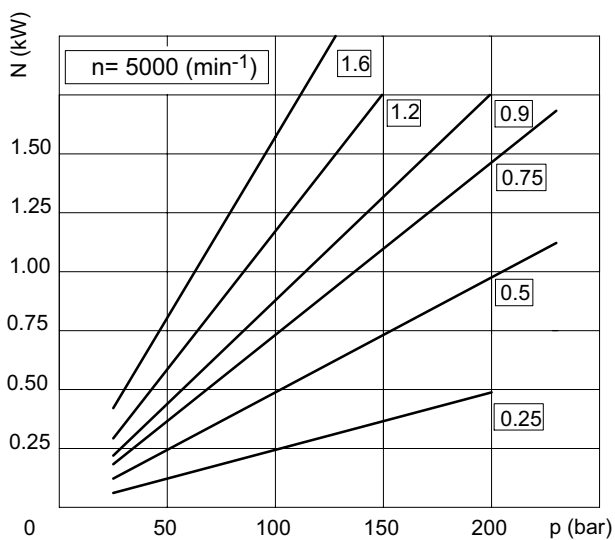
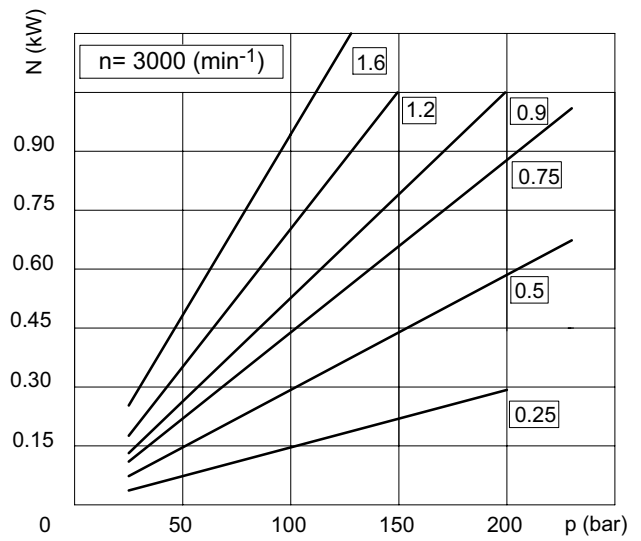
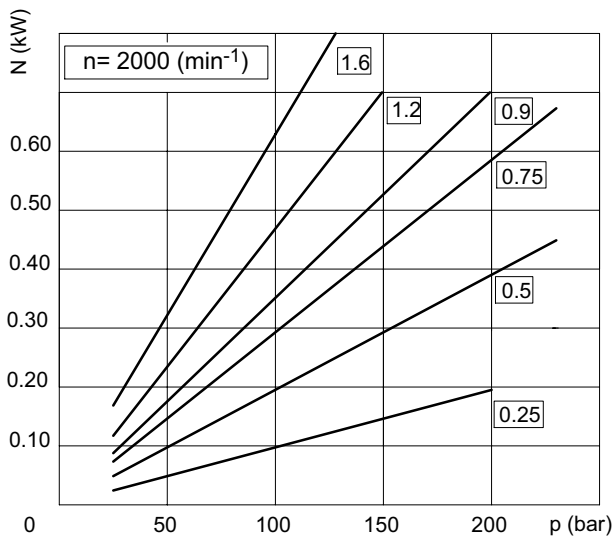
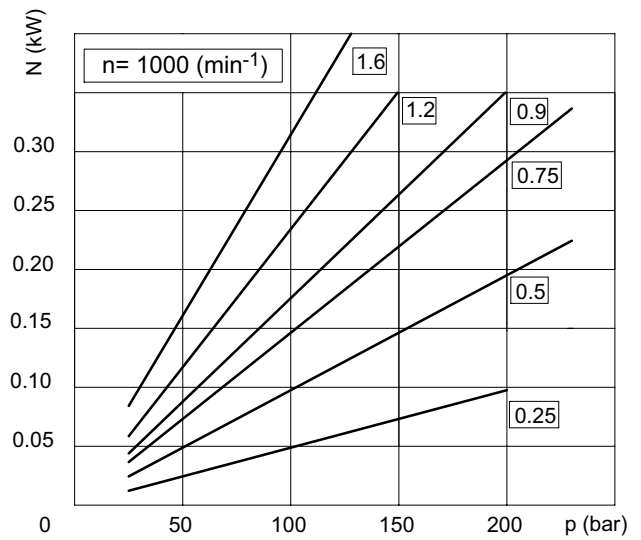
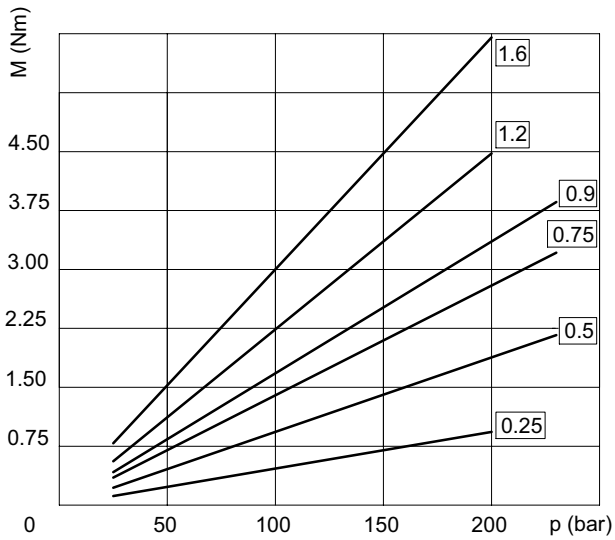
AP300 Type	Displacement		Max. pressure						n min.		n max.	
	cm ³ /rev	Cu. In. P. R.	P1		P2		P3		P ≤ P1	P > P1	P ≤ P1	P > P1
			bar	P.S.I.	bar	P.S.I.	bar	P.S.I.				
AP300/27	27.0	1.674	220	3150	250	3600	280	4000	600	800	3000	3500
AP300/31	31.0	1.891	220	3150	250	3600	280	4000	600	800	3000	3500
AP300/38	38.0	2.318	220	3150	250	3600	280	4000	600	800	2500	3000
AP300/45	45.0	2.745	200	2900	230	3300	260	3700	600	800	2500	3000
AP300/53	53.0	3.233	200	2900	230	3300	260	3700	600	800	2500	3000
AP300/63	63.0	3.843	180	2600	210	3000	240	3400	550	700	2500	3000
AP300/75	75.0	4.575	170	2400	190	2700	220	3150	550	700	2000	2500
AP300/93	93.0	5.673	150	2100	170	2400	200	2900	500	650	2000	2500

2.9 Diagrams

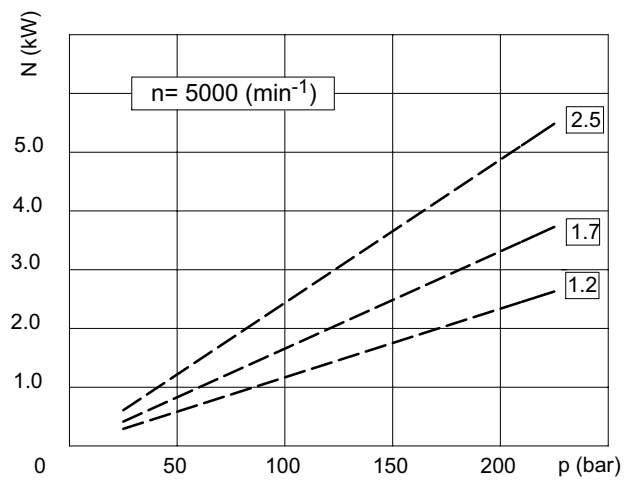
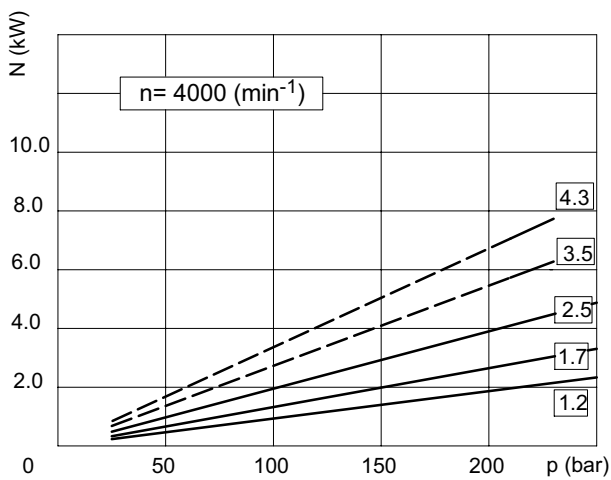
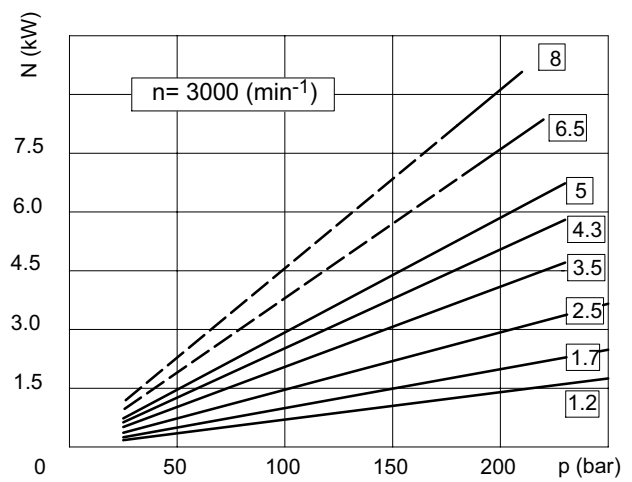
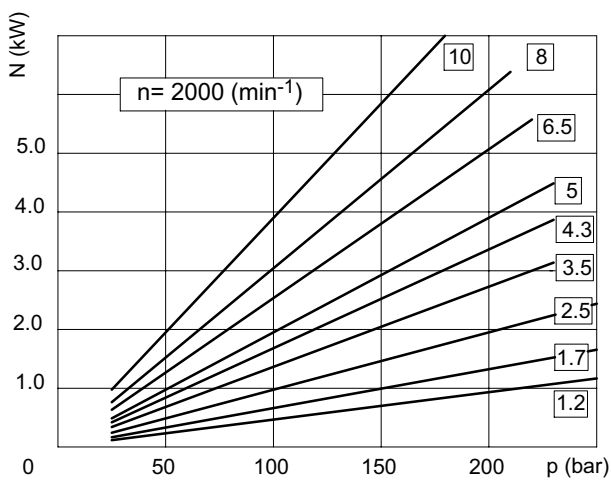
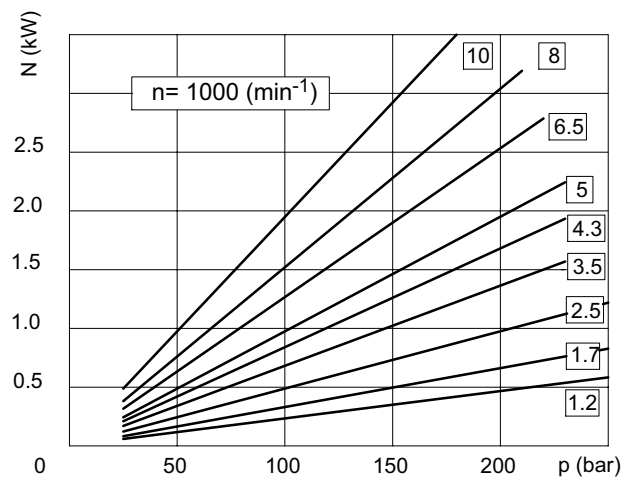
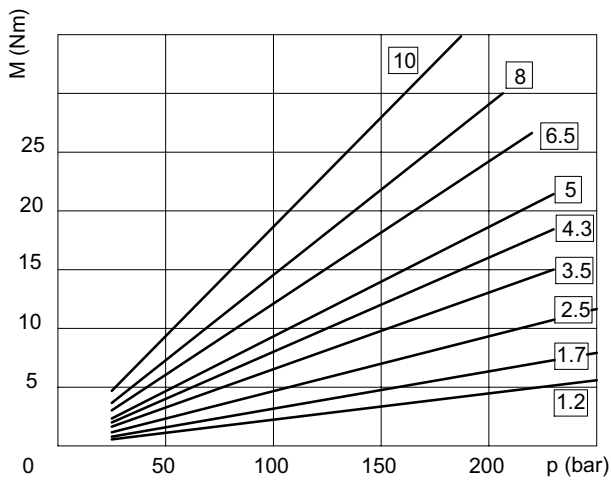
Oil viscosity: 37 mm²/s
Oil temperature: 40° C



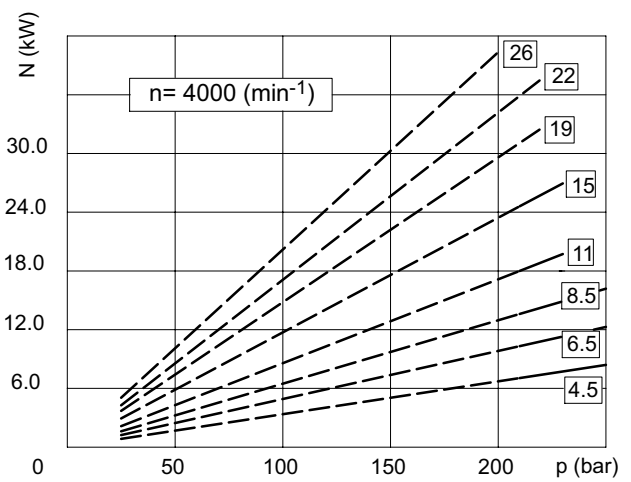
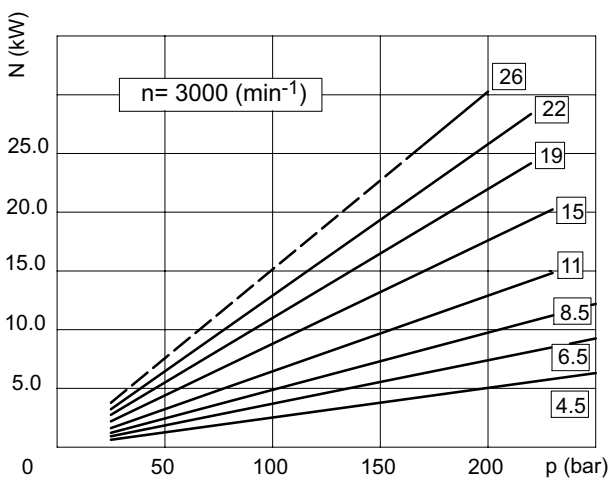
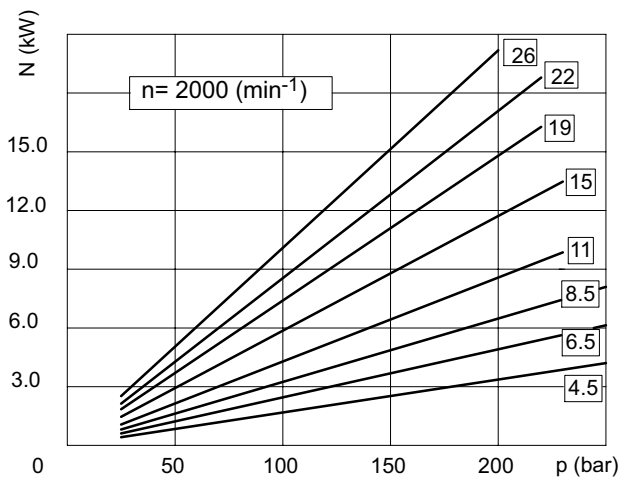
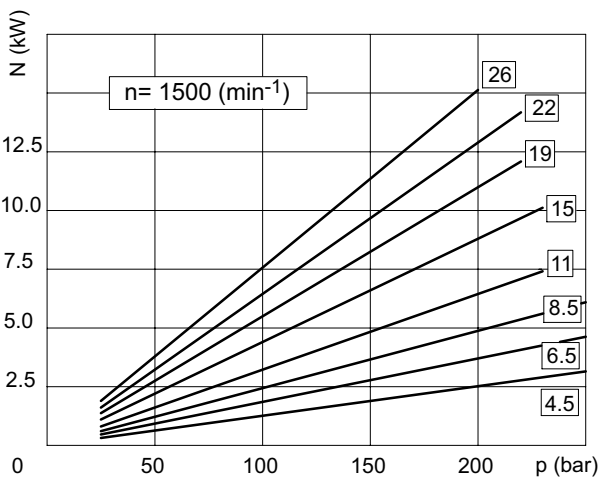
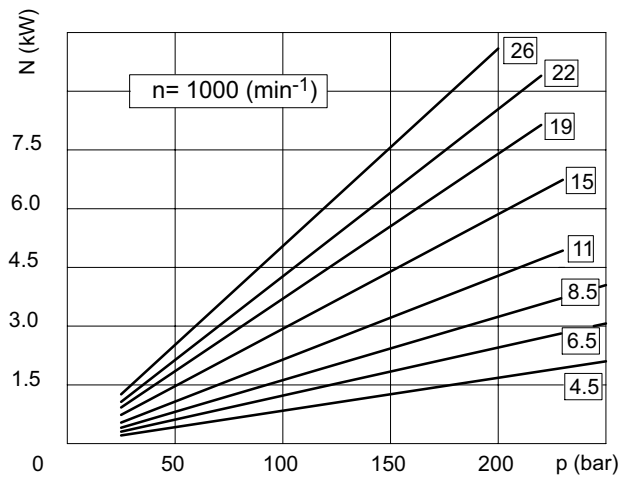
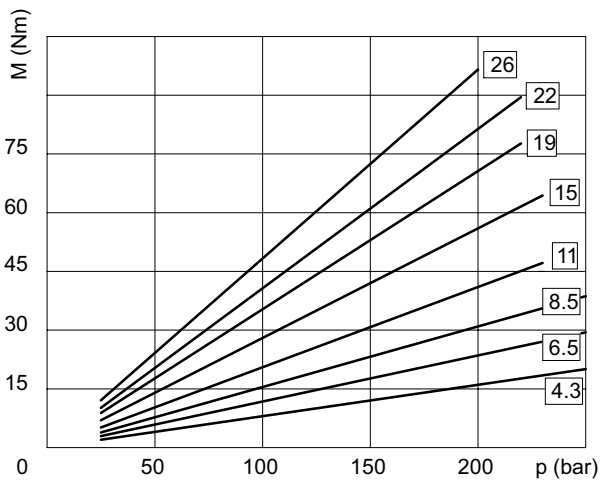
AP05



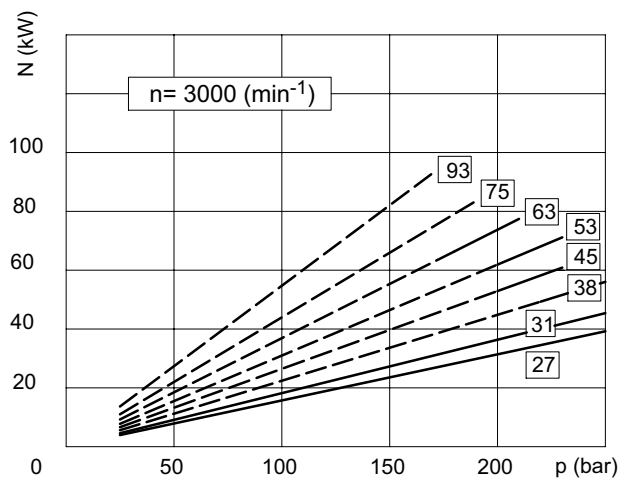
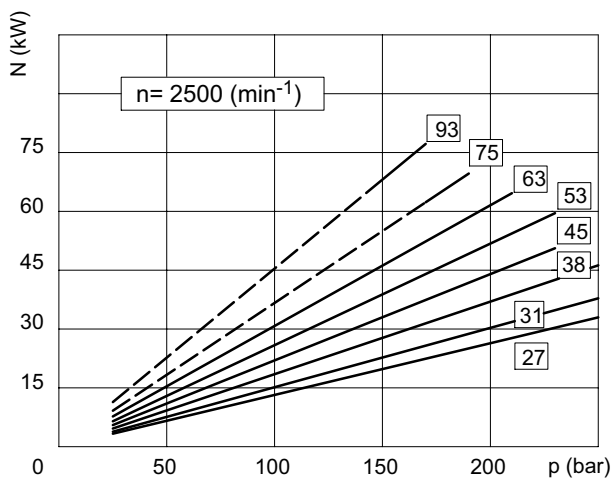
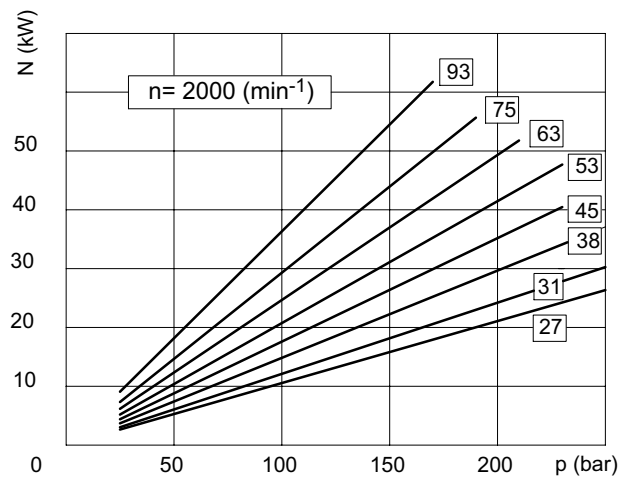
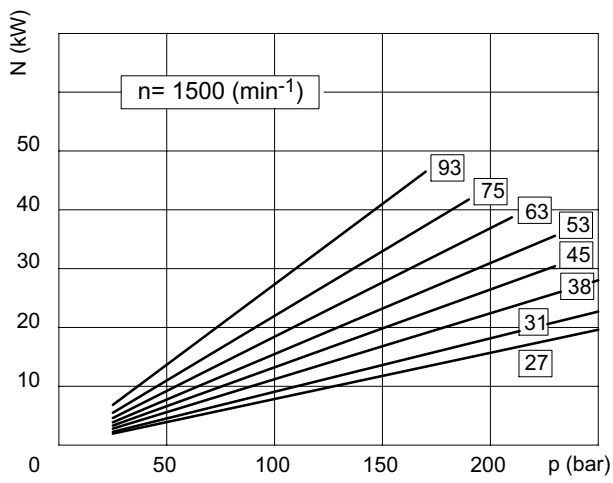
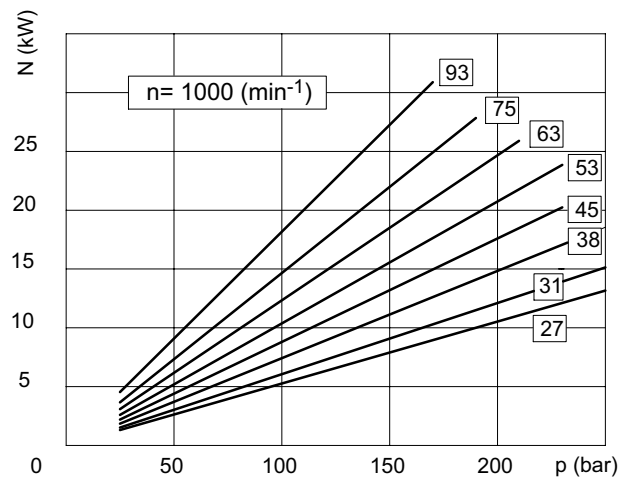
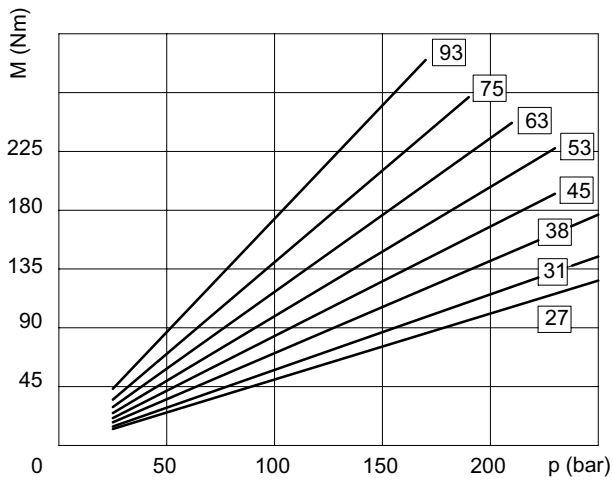
AP100



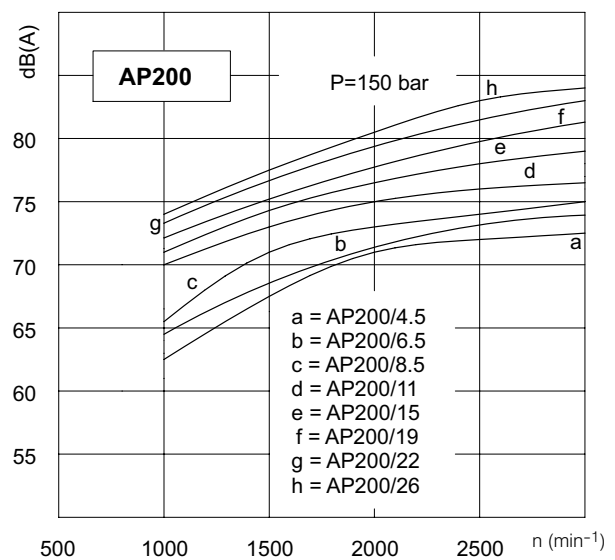
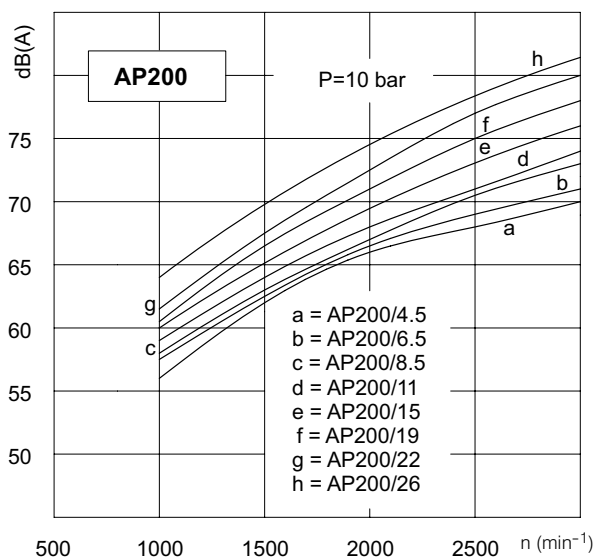
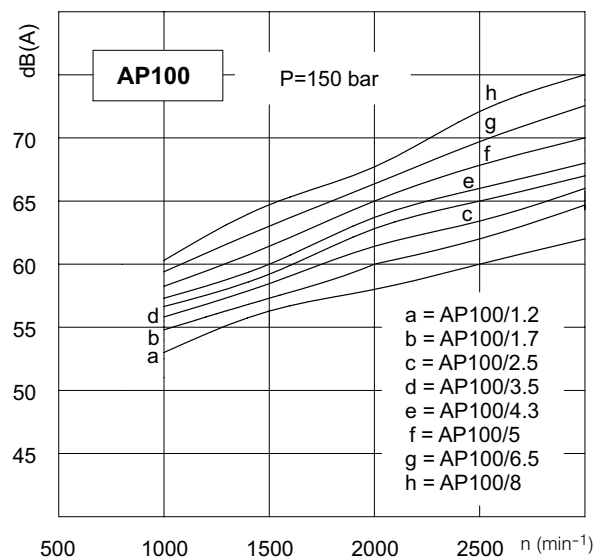
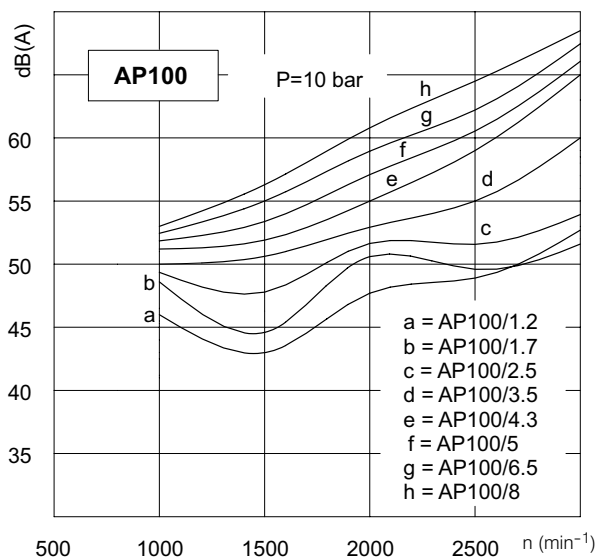
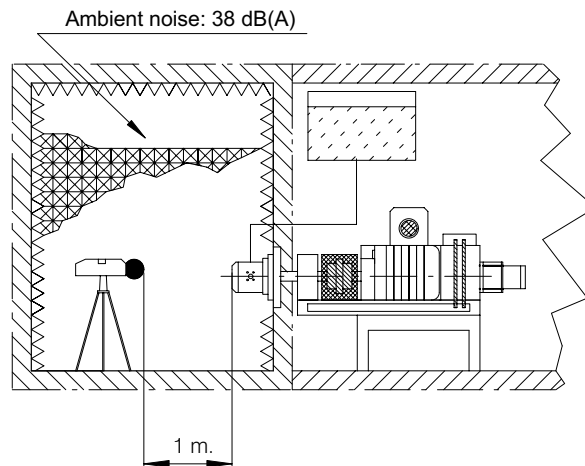
AP200



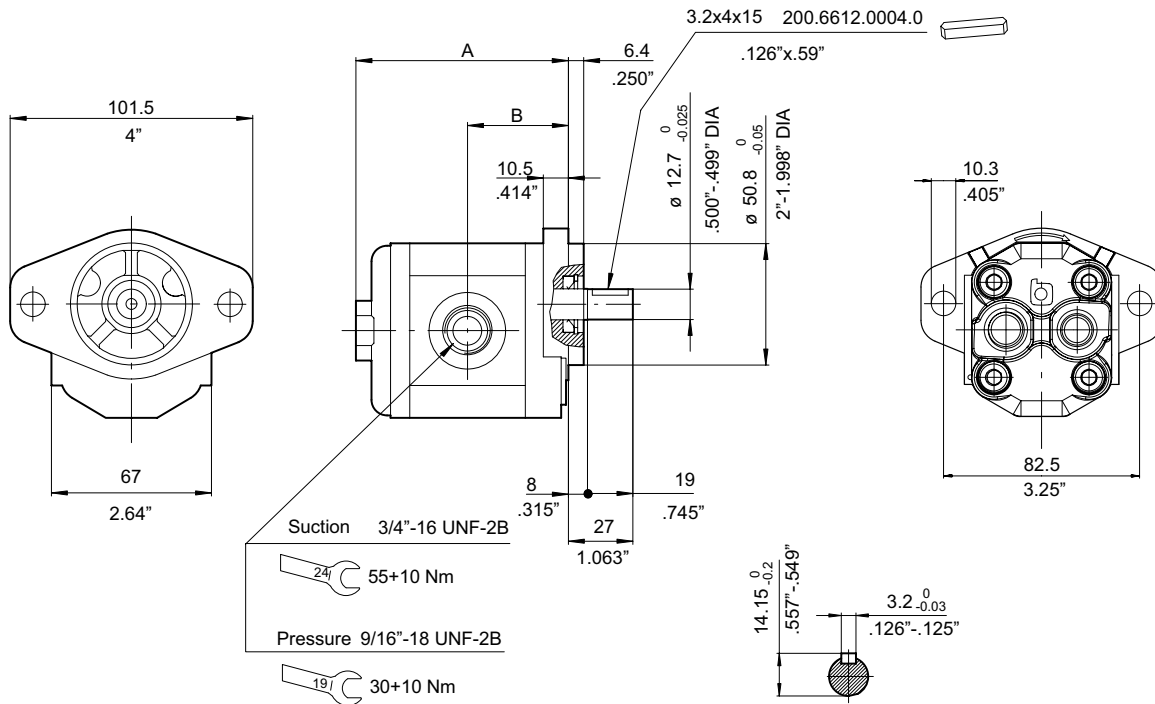
AP300



2.10 Information about the medium level of sound pressure given out



Group **AP100** Code **880**



Type	Displacement cm ³ /rev	Dimensions			
		A		B	
		mm	inch.	mm	inch.
AP100/1.2	1.2	83.5	3.29	39.5	1.56
AP100/1.7	1.7	85.5	3.37	40.5	1.60
AP100/2.5	2.5	89	3.50	42	1.65
AP100/3.5	3.5	93	3.66	44.5	1.75
AP100/4.3	4.3	97	3.82	46	1.81
AP100/5	5	99.5	3.92	47.5	1.87
AP100/6.5	6.5	104.5	4.11	50	1.97
AP100/8	8	110	4.33	53	2.09

Clockwise rotation: D		Counter-clockwise rotation: S	
Type	Order Code	Type	Order Code
AP100/1.2 D	200.1011.802.01	AP100/1.2 S	200.1011.803.01
AP100/1.7 D	200.1012.802.01	AP100/1.7 S	200.1012.803.01
AP100/2.5 D	200.1013.802.01	AP100/2.5 S	200.1013.803.01
AP100/3.5 D	200.1014.802.05	AP100/3.5 S	200.1014.803.01
AP100/4.3 D	200.1015.802.01	AP100/4.3 S	200.1015.803.03
AP100/5 D	200.1016.802.01	AP100/5 S	200.1016.803.01
AP100/6.5 D	200.1017.802.01	AP100/6.5 S	200.1017.803.01
AP100/8 D	200.1018.802.01	AP100/8 S	200.1018.803.01

info.it@bucherhydraulics.com

www.bucherhydraulics.com

© 2006 by Bucher Hydraulics S.p.A., IT-42100 Reggio Emilia.

All rights reserved.

Data is provided for the purpose of product description only, and must not be considered as warranted characteristics in the legal sense. The information does not relieve users from the duty of conducting their own evaluations and tests. Because the products are subject to continual improvement, we reserve the right to amend the product specifications contained in this catalogue.