

# SCHOTTEL - Ruderpropeller (SRP) Standard Model Series

Survey from 1. May 1976

Type SRP	11	12	30	30	30	50	76	100	150	224	225	300	502	502	505	503	1501	1500	1100	2502
Input Torque max. (Nm) ①			125	220	270	450	750	860	1350	2200	1600	2900	7000	9100	7300	10600	14000	17000	17200	31000
	320	400	155	270	470	560	900	1050	1600	2700	1950	3500	8400	11000	8700	12800	17000	20400	20600	37200
									1950	2950	4300	7700	10900	12100	8400	21200	18000	16000	52800	
			220	375	470	740	1300	1400	2200	3300	4700	7000	8500	12100	9300	23600	17800	58700		
			270	470	920	920	1600	1700	2600	3850	5700	10200	14500	11200	28300	21400	70500			
max Rotative Speed Input ②	3000	3000	3600	2700	2500	2500	2600	2350	2000	1700	1800	1800	1250	1050	1680	1100	1300	1000	1200	1000
			2100	1550	1550	1550	1500	1450	1300	1150	1300	1300	1000	850	1600	750	1200	525		
Reduction Ratio	1,933	1,933	2,96	2,22	2,50	2,50	2,99	2,68	3,02	3,03	3,99	3,97	3,9	3,25	5,08	3,32	5,25	4,28	4,07	4,95
	1,7	1,7	1,74	1,74	1,64	1,64	1,77	1,65	1,59	1,48	1,95	1,62	1,23	1,04	0,68	1,7	1,39	1,03	1,89	
	1,13	1,13	1,71	1,28	1,53	1,53	1,69	1,63	1,9	2,05	2,46	2,46	3,18	2,65	4,88	3,08	3,94	2,61		
Steering	30	30	4	4	4	4	4	4	4	4	4	4	269	269	160	160	5,12	5,12	269	5,36
max.			550	620	800	800	850	950	1100	1350	1350	1550	2300	2300	2100	2100	2800	2800	2700	3500
min.			500	500	600	600	700	700	900	1100	1100	1250	1900	1900	1600	1600	2500	2500	1900	3200
Propeller Arm Length PAL ③			2250	2400	2800	2800	3000	2800	4250	4700	5100	4750	5600	5600	5500	5500	7300	7300	5600	9500
			1000	780	875	875	900	980	1400	1750	1750	1750	3100	3100	2600	2600	4000	4000	3200	5200
Standard	350	1000	650	900	1000	1000	1000	1000	2000	2000	2000	2000	3100	3100	2600	2600	4000	4000	3200	5200
Weight without Nozzle with Oil (kg)	42,5	70	150	150	200	200	250	300	1000	1700	1700	2100	5700	5700	6500	6500	16500	16500	10000	23650
			4,3	7,5	8,6	9	20,4	20,4	20,7	36,3	36,3	40	63,5	63,5	60	60	129	129	100	200

① 1 mkp = 9,81 Nm

In case the approval of a classification society is required the allowed torque must be determined by SCHOTTEL. The torque under operating condition B can be taken as a guide value.

Operating condition A: predominantly full power with numerous overloads and danger of flat water e.g. pusher boat.

B: predominantly partial power with occasional overloading resp. full power at restricted max. rating e.g. harbour tugs.

C: predominantly partial power or short couplings at full power e.g. workboats, retractable bow thrusters.

D: fixed unsteerable transverse thrusters.

② The max. input rotative speed can be exceeded with most of the gears if the installation in question is investigated and sanctioned by SCHOTTEL.

③ The max. propeller arm length is dependant on the input rotative speed and is based on the specified max. rotative speed. The specified PAL can, applying special constructions, be substantially exceeded.

Inquiries for larger Models e.g. SRP 3000 or 4500 should be placed with SCHOTTEL