This propeller is used to propel the 1:37.89 model of the KCS during the tests in deep water and in shallow water in 2009 and 2013

Propeller model 5533R

Values	Full scale	Model scale
type	FPP	
blades [-]	5	
Diameter [m]	7.888	0.2082
P/D at 0.7R [m]	7.864	0.2075
P0.7/D [-]	0.997	
Ae/A0 [-]	0.749	
hub ratio [-]	0.186	
Rotation [-]	clockwise	

Open water data of the propeller

P/D	J	Kt	10Kq	Eta
0.997	0.000	0.468	0.6856	0.000
0.997	0.050	0.454	0.6686	0.054
0.997	0.100	0.440	0.6501	0.108
0.997	0.150	0.424	0.6302	0.161
0.997	0.200	0.407	0.6088	0.213
0.997	0.250	0.389	0.5860	0.264
0.997	0.300	0.370	0.5619	0.314
0.997	0.350	0.350	0.5364	0.364
0.997	0.400	0.329	0.5097	0.411
0.997	0.450	0.308	0.4817	0.457
0.997	0.500	0.285	0.4525	0.501
0.997	0.550	0.262	0.4222	0.543
0.997	0.600	0.238	0.3907	0.582
0.997	0.650	0.213	0.3581	0.617
0.997	0.700	0.188	0.3244	0.647
0.997	0.750	0.163	0.2898	0.671
0.997	0.800	0.137	0.2541	0.686
0.997	0.850	0.111	0.2175	0.688
0.997	0.900	0.084	0.1799	0.669
0.997	0.95	0.057	0.1415	0.61
0.997	1	0.03	0.1023	0.468
0.997	1.05	0.003	0.0622	0.079
0.997	1.055	0	0.0579	0