BLUEEYES 20

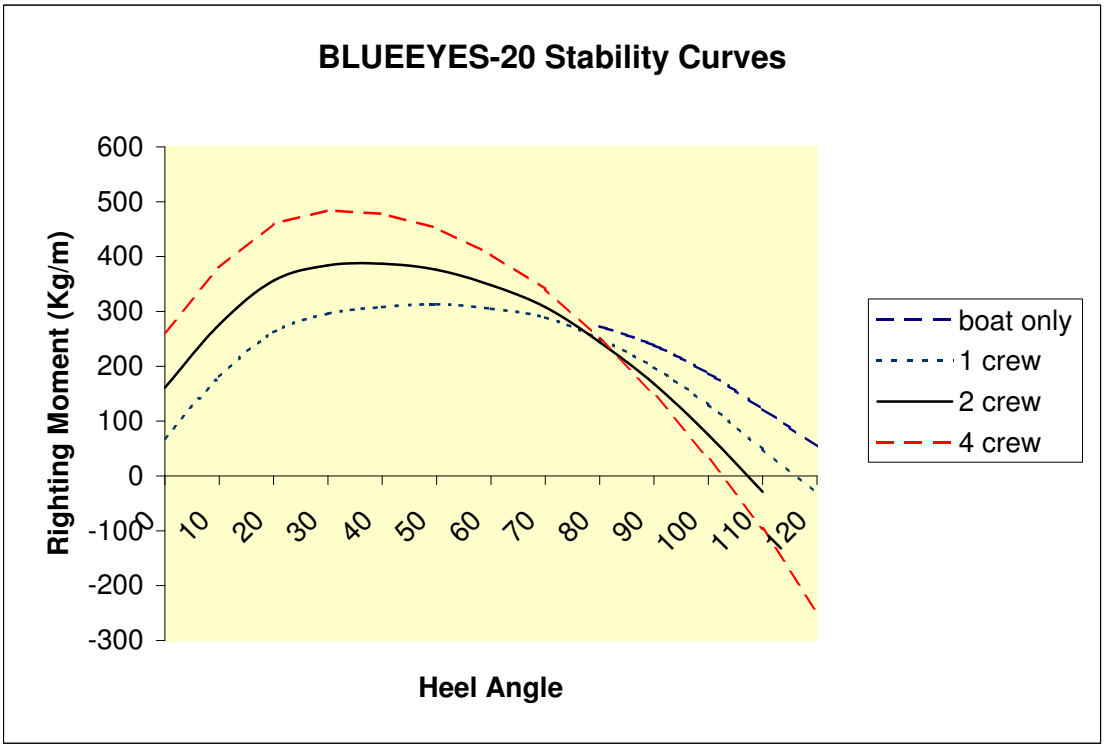
STABILITY DATA

180kg centreboard - fully down

Data computed from hull model ref BE20hw6d-15.srf, by Prosurf V3, from New Wave Systems Inc.

In order to provide a realistic stability curve, the data on this page is calculated using a centre of gravity of the yacht with crew sitting in the cockpit on the weather side.
This has the effect of improving initial stability, but has a negative effect on ultimate stability. However, even with 4 crew (total weight 320kg), the boat is self righting at 100 degrees. (Sea state not included in calculation).

Heel Angle	Righting Moment (Kg/m)			
	0 crew	1 crew	2 crew	4 crew
0		69	161	262
10		181	276	380
20		262	356	460
30		296	384	484
40		308	387	478
50		313	376	452
60		305	348	404
70		289	308	341
80	273	250	244	250
90	238	198	168	149
100	187	130	75	32
110	122	49	-29	-96
120	54	-32		-248
130	-15			



Notes:
Sea condition will significantly impact possibility of capsize.
Centreboard assumed to be locked fully down at all angles of heel.