

Sunreef 60Y **IPS800** compared to 60Y **MAN R6-800**

Sunreef 60Y

Speed comparsion between Volvo Penta IPS 800 and MAN R6-800

Speed and combustion report

Sunreef 60Y **IPS800** compared to 60Y **MAN R6-800**

Both boats tests were done at different time and ambient conditions on the same sea area. Measurements were done for sailing with and against wind and the results were approximated to achieve comparable results.

Propulsion data:

Volvo Penta IPS 800: 670 HP @2300rpm

MAN R6-800: 800 HP @2300rpm
with ZF 360A gearbox of r=2.609

Full displacement 60Y						
% rpm	Volvo Penta IPS800			Man R6-800		
	Yacht speed [kn]	Engine Rpm	Two engines combustion [L/h]	Yacht speed [kn]	Engine Rpm	Two engines combustion [L/h]
100,00%	22,8	PS2230 / SB2240	226	22,8	2300	290
95,65%	21,8	2200	212	21,6	2200	258
91,30%	19,8	2100	184			
86,96%	17,6	2000	165	19,2	2000	204
78,26%	13,8	1800	134	15,2	1800	152
69,57%	12,0	1600	102	12,3	1600	120
60,87%	11,2	1400	68	11,0	1400	78
52,17%	10,5	1200	45	10,1	1200	50
43,48%	8,5	1000	27	8,3	1000	30
34,78%	6,8	800	15	7,1	800	18
26,09%	5,0	600	8	5,5	600	12