

簡單傾斜試驗圖解

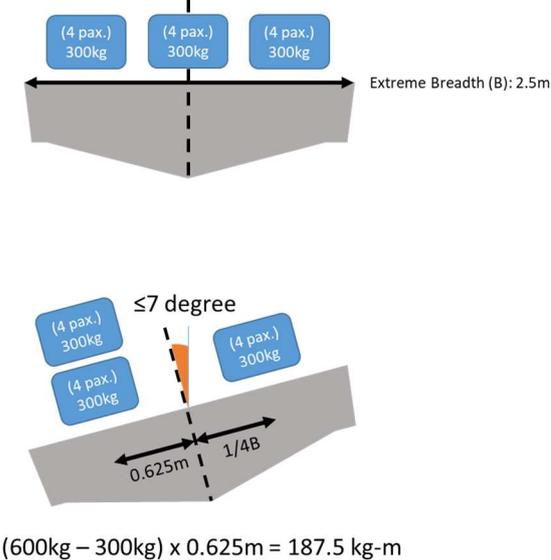
Passenger (pax.):	≤ 12
Heeling Moment:	WB/12
Max. Heeling Angle:	7 degree

Example for 12 pax. :

$$WB/12$$

$$=(75\text{kg} \times 12\text{pax.}) \times 2.5 / 12$$

$$= 187.5 \text{ kg-m}$$



Extreme Breadth (B): 2.5m

$\leq 7 \text{ degree}$

$0.625\text{m}$       $1/4B$

$(600\text{kg} - 300\text{kg}) \times 0.625\text{m} = 187.5 \text{ kg-m}$

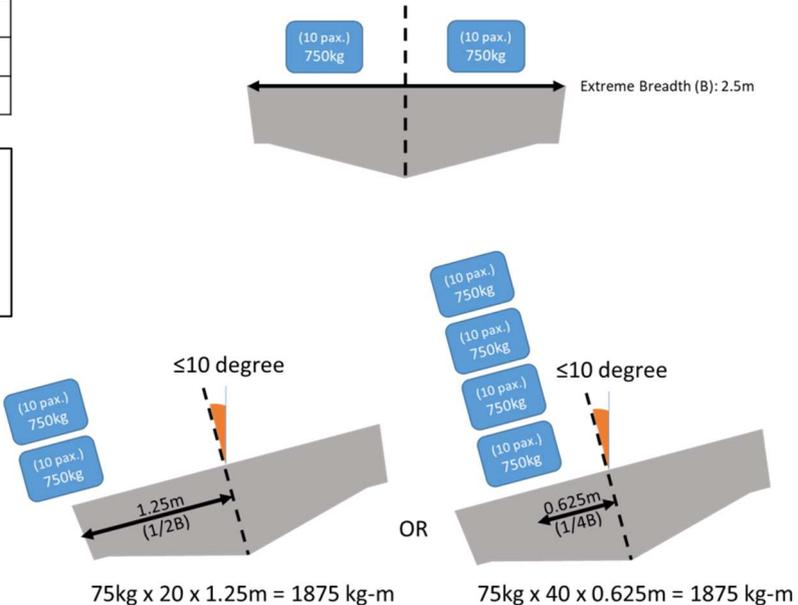
Passenger (pax.):	13 - 60
Heeling Moment:	WB/2
Max. Heeling Angle:	10 degree

Example for 20 pax. :

$$WB/2$$

$$=(75\text{kg} \times 20\text{pax.}) \times 2.5 / 2$$

$$= 1875 \text{ kg-m}$$



Extreme Breadth (B): 2.5m

$\leq 10 \text{ degree}$

$1.25\text{m}$  ( $1/2B$ )

OR

$0.625\text{m}$  ( $1/4B$ )

$75\text{kg} \times 20 \times 1.25\text{m} = 1875 \text{ kg-m}$       $75\text{kg} \times 40 \times 0.625\text{m} = 1875 \text{ kg-m}$