



Pilot Card: 13,800 TEU Manned Model " Neo-Panamax"

Vessel	MV Houston
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Actual Ship: 366m x 49m x 13.4m (1200' x 160' x 44') -----188,633 Tons Displacement

Scale Vessel: 14.6m x 1.95m x 0.535m (48' x 6.4' x 21.1") -----30,000 Tons Displacement

Engine Order		Rpm	Speed Knots	
			Scale	Actual
Sea Speed		n/a	4.82	24.1
Ahead	Full	900	3.26	16.3
	Half	750	2.74	13.7
	Slow	600	2.3	11.5
	D. Slow	300	1.3	6.5
	Min	270	1.2	6.0
Astern	D. Slow	270	-0.4	-2.0
	Slow	300	-0.8	-4.0
	Half	600	-1.2	-6.0
	Full	750	-1.4	-7.0

DRAFTS	Scale	Actual
Forward	22"	44'-0"
Aft	22"	44'-0"

Engine Type	Electric
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	Scaled	Actual
Engine Power	1.4 hp	98,350 hp
Thruster	4 lb	2,279 hp

Data	Model	Actual
Length	48'	1200'
Beam	6.4'	160'
Draft	22"	44'
Displmnt	30,000	188,633

Anchor Rode (ft)	50' of chain, both lockers			
Type Of Rudder	Spade Semi-balanced			
Max Rudder Angle	Port	35	Stb	35
Time Hard Port To Hard Stbd	4 seconds			
Neutral Effect Rudder Angle	1 starboard			

