

Matanuska Vessel Information Table

Year Built	1963
Length (feet)	408
Beam (feet)	74
Displacement (long tons)	5,569
Loaded Draft (feet-inches)	16'-11 5/8"
International Tonnage: Gross	9,214
(cubic capacity) Net	3,824
Domestic Tonnage: Gross	3,029
(cubic capacity) Net	1,235
Horsepower @ Service Speed	7,200
Service Speed (knots)	16.5
Fuel Usage (gallons/hour)	234
Normal Crew Capacity	48
Certificate of Inspection Limits	
Passengers	499
Vehicles (lane feet)	1,960
Quantity of 20 foot vehicles	98
Commercial Vans	15*
Staterooms - 4 berth	5
Staterooms - 3 berth	21
Staterooms - 2 berth	79
ADA Staterooms (4 berth)	-
ADA Staterooms (2 berth)	1
Total Staterooms	106
Total Berths	243

Matanuska Vessel Static and Dynamic Information Table
Information not been field verified and is an estimate only

Stern to door CL	310' - 1"
Bow to door CL	98' - 3"
Main dk to low point of vessel	24' - 0"
Main dk to main dk chocks	0' - 9"
Main dk to upper dk chocks	18' - 3"
Side door vertical opening	15' 0"
Side door horizontal opening	20' - 0"
Main dk to low point of bridge wing	35' - 0"
CL vessel to extreme outboard of wing	36' - 9"
Stern (bow) vertical opening	14' - 6"
Stern (bow) horizontal opening	23' - 6"
Side door dk to water line, lightly laden	7' - 10"
Side door dk to water line, avg loading	7' - 7"
Side door dk to water line, fully loaded	7' - 0"
Side (bow) door dk to water line, extrm light	8' - 3"
Side (bow) door dk to water line, extrm hvy	6' - 11"
Rear door dk to water line, lightly laden	8' - 3"
Rear door dk to water line, avg loading	7' - 7"
Rear door dk to water line, fully loaded	7' - 0"
Rear door dk to water line, extrm light	8' - 4"
Rear door dk to water line, extrm heavy	6' - 10"
Roll diff. @ side door, heavy van & tractor	1' - 6"
Pitch diff. @ rear door, heavy van & tractor	5"



Vessel Engine and Power Plant

Matanuska Vessel Engine and Power Plant Information	
Main Engines	
Number	2
Make	EMD
Model	16-710G7C-T3
Max hp/unit	4000
RPM	900
Year Installed	2018/2019
Propulsion	
Type	CPP
Make	Rolls Royce
Blades/Vanes	4
Generator Plants	
Number	3
Make	CAT
Model	3508
Cylinders	8
KW/Unit	560
RPM	1200
Emergency Generator	
Make	Cummins
Model	NHRS 6G
KW/Unit	160
RPM	1200
Bow Thruster	
Type	Electric
Make	Kamewa
Model	50/3STAY/C.P.
HP	600
RPM	1800
EPD = Enterprise Delaval	
FM = Fairbanks Morris	
EMD = Electro Motor Division	
PTO = Propulsion Shaft Power Take-Off	

<u>Matanuska Hull Surface Areas</u>	
LOA	408.00
LBP	370.00
Beam, Main Deck	73.63
Beam, WL	Unknown
Depth, Molded	23.50
Full Load Draft	16.97
Full Load Displ	5,570.00
Surface Areas	
Keel - WL	23,320
WL-Guard	6,227
Guard - Gunnel	23,575
Keel - Guard	29,547
Keel - Gunnel	53,122

<u>Matanuska Refrigerated Van Matrix</u>	
Number Van Receptacles	20
Number of XFMR	2
Size of XFMR (KVA)	(3)x50
Number of Distr panels to be replaced	2 of 2
Remove XFMRs YN	Y
*None: No Van receptacles installed	

<u>Matanuska Elevators</u>	
Passenger Elevator	
Manufacturer	Otis LRVF- 0304010
Service Elevator	
Manufacturer	Model 81564 Vintage 10