

**ARMATORSKIE ZAŁOŻENIA PROJEKTOWE STATKU DO ĆWICZEŃ PROJEKTOWYCH Z PRZEDMIOTU  
PODSTAWY PROJEKTOWANIA OKRĘTÓW I JACHTÓW (BoiJ, sem.4)  
TYP STATKU DROBNICOWIEC UNIWERSALNY**

<i>Temat</i>	<i>Nośność</i>	<i>Pojemność ładowni na bele</i>	<i>Prędkość kontraktowa</i>	<i>Port</i>	<i>Długość trasy</i>
<i>[nr]</i>	<i>[t]</i>	<i>[m3]</i>	<i>[kn]</i>	<i>[Nazwa]</i>	<i>[Mm]</i>
1	4000	7500	15.50	Penang	8700
2	4000	6200	15	Port Said	3930
3	4100	7500	15.50	Port Sudan	4620
4	4200	7500	15.50	Quebeck	3730
5	4200	6500	15.2	Rangoan	8689
6	4300	8000	15.50	Rio de Janeiro	5930
7	4400	8000	15.50	Rosario	7260
8	4500	8500	15.75	San Francisco	8780
9	4500	7150	15	Santos	6105
10	4600	8500	15.75	Singapore	9010
11	4700	8500	15.75	Smyrna	3660
12	4700	7250	15.1	Suez	4055
13	4800	9000	15.75	Swansea	1190
14	4800	7650	15.2	Sydney	12210
15	4900	9000	15.75	Szanghaj	11250
16	5000	9500	16.00	Taku Bar	11795
17	5000	7800	16	Tampico	5854
18	5100	9500	16.00	Tel Aviv	4050
19	5200	9500	16.00	Triest	3970
20	5300	10000	16.00	Valparaiso	8110
21	5300	9500	15.5	Vancouver	9550
22	5400	10000	16.00	Vizagapatam	8180
23	5500	10500	16.25	Władywostok	12050
24	5500	9500	16	Yokohama	11965
25	5600	10500	16.25	Bahia	5230
26	5700	10500	16.25	Bahia Blanca	7280
27	5800	11000	16.25	Baltimore	4225
28	5900	11000	16.25	Bangkok	9810
29	5900	9500	16.5	Beirut	4050
30	6000	11500	16.50	Belfast	1375
31	6000	9600	16.3	Bombay	6835
32	6100	11500	16.50	Bordeaux	1387
33	6200	11500	16.50	Buenos Aires	7060
34	6300	12000	16.50	Calcutta	8679
35	6300	9800	16.5	Capetown	6880
36	6400	12000	16.50	Casablanca	2065
37	6500	12500	16.75	Chittagong	8770
38	6600	12500	16.75	Colombo	7430
39	6700	12500	16.75	Constanza	4015
40	6800	13000	16.75	Dakar	3260
41	6900	13000	16.75	Genua	2879
42	6900	10000	16	Gibraltar	2020

43	7000	13500	17.00	Haifa	4050
44	7000	10200	16.2	Havre	900
45	7100	13500	17.00	Hong Kong	10445
46	7200	13500	17.00	Izmir	3660
47	7300	14000	17.00	Karachi	6800
48	7300	11000	16.5	La Guaira	4920
49	7400	14000	17.00	Lizbona	1742
50	7500	14500	17.25	Liverpool	1350
51	7600	14500	17.25	London	790
52	7700	14500	17.25	Madras	8000
53	7800	15000	17.25	Manila	10395
54	7800	11200	16.2	Marmagoa	6960
55	7900	15000	17.25	Marsylia	2710
56	8000	15500	17.50	Melbourne	11735
57	8000	11400	16.7	Montevideo	6940
58	8100	15500	17.50	Murmańsk	1578
59	8200	15500	17.50	Nagasaki	11455
60	8200	11500	17	Neapol	2990
61	8300	16000	17.50	Nowy York	3940
62	8300	12000	16.5	Newport N.	4080
63	8400	16000	17.50	Norfolk	4103
64	8500	16500	17.75	Noworosyjsk	4260
65	8500	13000	16.7	Odessa	4165
66	8600	16500	17.75	Oran	2245
67	8700	16500	17.75	Panama	5500
68	8800	17000	17.75	Penang	8700
69	8900	17000	17.75	Port Said	3930
70	9000	17500	18.00	Port Sudan	4620
71	9000	15000	17.2	Quebeck	3730
72	9100	17500	18.00	Rangoan	8689
73	9200	17500	18.00	Rio de Janeiro	5930
74	9300	18000	18.00	Rosario	7260
75	9300	15200	16.8	San Francisco	8780
76	9400	18000	18.00	Santos	6105
77	9500	18500	18.25	Singapore	9010
78	9500	16500	16.5	Smyrna	3660
79	9600	18500	18.25	Suez	4055
80	9700	18500	18.25	Swansea	1190
81	9800	19000	18.25	Sydney	12210
82	9800	16800	16.7	Szanghaj	11250
83	9900	19000	18.25	Taku Bar	11795
84	10000	19500	18.50	Tampico	5854
85	10000	17000	16	Tel Aviv	4050
86	10100	19500	18.50	Triest	3970
87	10200	19500	18.50	Valparaiso	8110
88	10300	20000	18.50	Vancouver	9550
89	10300	18000	17	Vizagapatam	8180
90	10400	20000	18.50	Władywostok	12050

91	10500	20500	19.00	Yokohama	11965
92	10500	17200	17	Bahia	5230
93	10600	20500	19.00	Bahia Blanca	7280
94	10700	20500	19.00	Baltimore	4225
95	10800	21000	19.00	Bangkok	9810
96	10800	17300	17.5	Beirut	4050
97	10900	21000	19.00	Belfast	1375
98	11000	21500	19.50	Bombay	6835
99	11000	17300	17.2	Bordeaux	1387
100	11100	21500	19.50	Buenos Aires	7060
101	11200	21500	19.50	Calcutta	8679
102	11300	22000	19.50	Capetown	6880
103	11300	17500	17.5	Casablanca	2065
104	11400	22000	19.50	Chittagong	8770
105	11500	22000	19.50	Colombo	7430
106	11500	17500	17	Constanza	4015
107	11600	22500	19.50	Dakar	3260
108	11700	22500	20.00	Genua	2879
109	11800	22500	20.00	Gibraltar	2020
110	11900	23000	20.00	Haifa	4050
111	12000	23000	20.00	Havre	900
112	12000	19000	17.2	Hong Kong	10445
113	12300	20000	16.8	Izmir	3660
114	12500	21000	17	Karachi	6800
115	12800	22000	17.5	La Guaira	4920
116	13000	23000	18	Lizbona	1742
117	13500	23500	18.5	Liverpool	1350
118	13750	24500	19	London	790
119	14100	25400	19.5	Madras	8000
120	14400	26200	19.5	Manila	10395
121	14750	27000	20	Marmagoa	6960
122	4000	7500	15.50	Marsylia	2710
123	4000	6200	15	Melbourne	11735
124	4100	7500	15.50	Montevideo	6940
125	4200	7500	15.50	Murmańsk	1578
126	4200	6500	15.2	Nagasaki	11455
127	4300	8000	15.50	Neapol	2990
128	4400	8000	15.50	Nowy York	3940
129	4500	8500	15.75	Newport N.	4080
130	4500	7150	15	Norfolk	4103
131	4600	8500	15.75	Noworosyjsk	4260
132	4700	8500	15.75	Odessa	4165
133	4700	7250	15.1	Oran	2245
134	4800	9000	15.75	Panama	5500
135	4800	7650	15.2	Penang	8700
136	4900	9000	15.75	Port Said	3930
137	5000	9500	16.00	Port Sudan	4620
138	5000	7800	16	Quebeck	3730

139	5100	9500	16.00	Rangoan	8689
140	5200	9500	16.00	Rio de Janeiro	5930
141	5300	10000	16.00	Rosario	7260
142	5300	9500	15.5	San Francisco	8780
143	5400	10000	16.00	Santos	6105
144	5500	10500	16.25	Singapore	9010
145	5500	9500	16	Smyrna	3660
146	5600	10500	16.25	Suez	4055
147	5700	10500	16.25	Swansea	1190
148	5800	11000	16.25	Sydney	12210
149	5900	11000	16.25	Szanghaj	11250
150	5900	9500	16.5	Taku Bar	11795
151	6000	11500	16.50	Tampico	5854
152	6000	9600	16.3	Tel Aviv	4050
153	6100	11500	16.50	Triest	3970
154	6200	11500	16.50	Valparaiso	8110
155	6300	12000	16.50	Vancouver	9550
156	6300	9800	16.5	Vizagapatam	8180
157	6400	12000	16.50	Wladywostok	12050
158	6500	12500	16.75	Yokohama	11965
159	6600	12500	16.75	Bahia	5230
160	6700	12500	16.75	Bahia Blanca	7280
161	6800	13000	16.75	Baltimore	4225
162	6900	13000	16.75	Bangkok	9810
163	6900	10000	16	Beirut	4050
164	7000	13500	17.00	Belfast	1375
165	7000	10200	16.2	Bombay	6835
166	7100	13500	17.00	Bordeaux	1387
167	7200	13500	17.00	Buenos Aires	7060
168	7300	14000	17.00	Calcutta	8679
169	7300	11000	16.5	Capetown	6880
170	7400	14000	17.00	Casablanca	2065
171	7500	14500	17.25	Chittagong	8770
172	7600	14500	17.25	Colombo	7430
173	7700	14500	17.25	Constanza	4015
174	7800	15000	17.25	Dakar	3260
175	7800	11200	16.2	Genua	2879
176	7900	15000	17.25	Gibraltar	2020
177	8000	15500	17.50	Haifa	4050
178	8000	11400	16.7	Havre	900
179	8100	15500	17.50	Hong Kong	10445
180	8200	15500	17.50	Izmir	3660
181	8200	11500	17	Karachi	6800
182	8300	16000	17.50	La Guaira	4920
183	8300	12000	16.5	Lizbona	1742
184	8400	16000	17.50	Liverpool	1350
185	8500	16500	17.75	London	790
186	8500	13000	16.7	Madras	8000

187	8600	16500	17.75	Manila	10395
188	8700	16500	17.75	Marmagao	6960
189	8800	17000	17.75	Marsylia	2710
190	8900	17000	17.75	Melbourne	11735
191	9000	17500	18.00	Montevideo	6940
192	9000	15000	17.2	Murmańsk	1578
193	9100	17500	18.00	Nagasaki	11455
194	9200	17500	18.00	Neapol	2990
195	9300	18000	18.00	Nowy York	3940
196	9300	15200	16.8	Newport N.	4080
197	9400	18000	18.00	Norfolk	4103
198	9500	18500	18.25	Noworosyjsk	4260
199	9500	16500	16.5	Odessa	4165
200	9600	18500	18.25	Oran	2245
201	9700	18500	18.25	Panama	5500
202	9800	19000	18.25	Penang	8700
203	9800	16800	16.7	Port Said	3930
204	9900	19000	18.25	Port Sudan	4620
205	10000	19500	18.50	Quebeck	3730
206	10000	17000	16	Rangoan	8689
207	10100	19500	18.50	Rio de Janeiro	5930
208	10200	19500	18.50	Rosario	7260
209	10300	20000	18.50	San Francisco	8780
210	10300	18000	17	Santos	6105
211	10400	20000	18.50	Singapore	9010
212	10500	20500	19.00	Smyrna	3660
213	10500	17200	17	Suez	4055
214	10600	20500	19.00	Swansea	1190
215	10700	20500	19.00	Sydney	12210
216	10800	21000	19.00	Szanghaj	11250
217	10800	17300	17.5	Taku Bar	11795
218	10900	21000	19.00	Tampico	5854
219	11000	21500	19.50	Tel Aviv	4050
220	11000	17300	17.2	Triest	3970
221	11100	21500	19.50	Valparaiso	8110
222	11200	21500	19.50	Vancouver	9550
223	11300	22000	19.50	Vizagapatam	8180
224	11300	17500	17.5	Władywostok	12050
225	11400	22000	19.50	Yokohama	11965
226	11500	22000	19.50	Bahia	5230
227	11500	17500	17	Bahia Blanca	7280
228	11600	22500	19.50	Baltimore	4225
229	11700	22500	20.00	Bangkok	9810
230	11800	22500	20.00	Beirut	4050
231	11900	23000	20.00	Belfast	1375
232	12000	23000	20.00	Bombay	6835
233	12000	19000	17.2	Bordeaux	1387
234	12300	20000	16.8	Buenos Aires	7060

235	12500	21000	17	Calcutta	8679
236	12800	22000	17.5	Capetown	6880
237	13000	23000	18	Casablanca	2065
238	13500	23500	18.5	Chittagong	8770
239	13750	24500	19	Colombo	7430
240	14100	25400	19.5	Constanza	4015
241	14400	26200	19.5	Dakar	3260
242	14750	27000	20	Genua	2879
243	4000	7500	15.50	Gibraltar	2020
244	4000	6200	15	Haifa	4050
245	4100	7500	15.50	Havre	900
246	4200	7500	15.50	Hong Kong	10445
247	4200	6500	15.2	Izmir	3660
248	4300	8000	15.50	Karachi	6800
249	4400	8000	15.50	La Guaira	4920
250	4500	8500	15.75	Lizbona	1742
251	4500	7150	15	Liverpool	1350
252	4600	8500	15.75	London	790
253	4700	8500	15.75	Madras	8000
254	4700	7250	15.1	Manila	10395
255	4800	9000	15.75	Marmagoa	6960
256	4800	7650	15.2	Marsylia	2710
257	4900	9000	15.75	Melbourne	11735
258	5000	9500	16.00	Montevideo	6940
259	5000	7800	16	Murmańsk	1578
260	5100	9500	16.00	Nagasaki	11455
261	5200	9500	16.00	Neapol	2990
262	5300	10000	16.00	Nowy York	3940
263	5300	9500	15.5	Newport N.	4080
264	5400	10000	16.00	Norfolk	4103
265	5500	10500	16.25	Noworosyjsk	4260
266	5500	9500	16	Odessa	4165
267	5600	10500	16.25	Oran	2245
268	5700	10500	16.25	Panama	5500
269	5800	11000	16.25	Penang	8700
270	5900	11000	16.25	Port Said	3930
271	5900	9500	16.5	Port Sudan	4620
272	6000	11500	16.50	Quebeck	3730
273	6000	9600	16.3	Rangoan	8689
274	6100	11500	16.50	Rio de Janeiro	5930
275	6200	11500	16.50	Rosario	7260
276	6300	12000	16.50	San Francisco	8780
277	6300	9800	16.5	Santos	6105
278	6400	12000	16.50	Singapore	9010
279	6500	12500	16.75	Smyrna	3660
280	6600	12500	16.75	Suez	4055
281	6700	12500	16.75	Swansea	1190
282	6800	13000	16.75	Sydney	12210

283	6900	13000	16.75	Szanghaj	11250
284	6900	10000	16	Taku Bar	11795
285	7000	13500	17.00	Tampico	5854
286	7000	10200	16.2	Tel Aviv	4050
287	7100	13500	17.00	Triest	3970
288	7200	13500	17.00	Valparaiso	8110
289	7300	14000	17.00	Vancouver	9550
290	7300	11000	16.5	Vizagapatam	8180
291	7400	14000	17.00	Władywostok	12050
292	7500	14500	17.25	Yokohama	11965
293	7600	14500	17.25	Bahia	5230
294	7700	14500	17.25	Bahia Blanca	7280
295	7800	15000	17.25	Baltimore	4225
296	7800	11200	16.2	Bangkog	9810
297	7900	15000	17.25	Beirut	4050
298	8000	15500	17.50	Belfast	1375
299	8000	11400	16.7	Bombay	6835
300	8100	15500	17.50	Bordeaux	1387
301	8200	15500	17.50	Buenos Aires	7060
302	8200	11500	17	Calcutta	8679
303	8300	16000	17.50	Capetown	6880
304	8300	12000	16.5	Casablanca	2065
305	8400	16000	17.50	Chittagong	8770
306	8500	16500	17.75	Colombo	7430
307	8500	13000	16.7	Constanza	4015
308	8600	16500	17.75	Dakar	3260
309	8700	16500	17.75	Genua	2879
310	8800	17000	17.75	Gibraltar	2020
311	8900	17000	17.75	Haifa	4050
312	9000	17500	18.00	Havre	900
313	9000	15000	17.2	Hong Kong	10445
314	9100	17500	18.00	Izmir	3660
315	9200	17500	18.00	Karachi	6800
316	9300	18000	18.00	La Guaira	4920
317	9300	15200	16.8	Lizbona	1742
318	9400	18000	18.00	Liverpool	1350
319	9500	18500	18.25	London	790
320	9500	16500	16.5	Madras	8000
321	9600	18500	18.25	Manila	10395
322	9700	18500	18.25	Marmagoa	6960
323	9800	19000	18.25	Marsylia	2710
324	9800	16800	16.7	Melbourne	11735
325	9900	19000	18.25	Montevideo	6940
326	10000	19500	18.50	Murmańsk	1578
327	10000	17000	16	Nagasaki	11455
328	10100	19500	18.50	Neapol	2990
329	10200	19500	18.50	Nowy York	3940
330	10300	20000	18.50	Newport N.	4080

331	10300	18000	17	Norfolk	4103
332	10400	20000	18.50	Noworosyjsk	4260
333	10500	20500	19.00	Odessa	4165
334	10500	17200	17	Oran	2245
335	10600	20500	19.00	Panama	5500
336	10700	20500	19.00	Penang	8700
337	10800	21000	19.00	Port Said	3930
338	10800	17300	17.5	Port Sudan	4620
339	10900	21000	19.00	Quebeck	3730
340	11000	21500	19.50	Rangoan	8689
341	11000	17300	17.2	Rio de Janeiro	5930
342	11100	21500	19.50	Rosario	7260
343	11200	21500	19.50	San Francisco	8780
344	11300	22000	19.50	Santos	6105
345	11300	17500	17.5	Singapore	9010
346	11400	22000	19.50	Smyrna	3660
347	11500	22000	19.50	Suez	4055
348	11500	17500	17	Swansea	1190
349	11600	22500	19.50	Sydney	12210
350	11700	22500	20.00	Szanghaj	11250
351	11800	22500	20.00	Taku Bar	11795
352	11900	23000	20.00	Tampico	5854
353	12000	23000	20.00	Taku Bar	11795
354	12000	19000	17.2	Tampico	5854
355	12300	20000	16.8	Tel Aviv	4050
356	12500	21000	17	Triest	3970
357	12800	22000	17.5	Valparaiso	8110
358	13000	23000	18	Vancouver	9550
359	13500	23500	18.5	Bahia	5230
360	13750	24500	19	Bahia Blanca	7280
361	14100	25400	19.5	Baltimore	4225
362	14400	26200	19.5	Bangkok	9810
363	14750	27000	20	Beirut	4050
364	4000	7500	15.50	Belfast	1375
365	4000	6200	15	Bombay	6835
366	4100	7500	15.50	Bordeaux	1387
367	4200	7500	15.50	Buenos Aires	7060
368	4200	6500	15.2	Calcutta	8679
369	4300	8000	15.50	Capetown	6880
370	4400	8000	15.50	Casablanca	2065
371	4500	8500	15.75	Chittagong	8770
372	4500	7150	15	Colombo	7430
373	4600	8500	15.75	Constanza	4015
374	4700	8500	15.75	Dakar	3260
375	4700	7250	15.1	Genua	2879
376	4800	9000	15.75	Gibraltar	2020
377	4800	7650	15.2	Haifa	4050
378	4900	9000	15.75	Havre	900



379	5000	9500	16.00	Hong Kong	10445
380	5000	7800	16	Izmir	3660
381	5100	9500	16.00	Karachi	6800
382	5200	9500	16.00	La Guaira	4920
383	5300	10000	16.00	Lizbona	1742
384	5300	9500	15.5	Liverpool	1350
385	5400	10000	16.00	London	790
386	5500	10500	16.25	Madras	8000
387	5500	9500	16	Manila	10395
388	5600	10500	16.25	Marmagao	6960
389	5700	10500	16.25	Marsylia	2710
390	5800	11000	16.25	Melbourne	11735
391	5900	11000	16.25	Montevideo	6940
392	5900	9500	16.5	Murmańsk	1578
393	6000	11500	16.50	Nagasaki	11455
394	6000	9600	16.3	Neapol	2990
395	6100	11500	16.50	Nowy York	3940
396	6200	11500	16.50	Newport N.	4080
397	6300	12000	16.50	Norfolk	4103
398	6300	9800	16.5	Noworosyjsk	4260
399	6400	12000	16.50	Odessa	4165
400	6500	12500	16.75	Oran	2245
401	6600	12500	16.75	Panama	5500
402	6700	12500	16.75	Penang	8700
403	6800	13000	16.75	Port Said	3930
404	6900	13000	16.75	Port Sudan	4620
405	6900	10000	16	Quebeck	3730
406	7000	13500	17.00	Rangoan	8689
407	7000	10200	16.2	Rio de Janeiro	5930
408	7100	13500	17.00	Rosario	7260
409	7200	13500	17.00	San Francisco	8780
410	7300	14000	17.00	Santos	6105
411	7300	11000	16.5	Singapore	9010
412	7400	14000	17.00	Smyrna	3660
413	7500	14500	17.25	Suez	4055
414	7600	14500	17.25	Swansea	1190
415	7700	14500	17.25	Sydney	12210
416	7800	15000	17.25	Szanghaj	11250
417	7800	11200	16.2	Taku Bar	11795
418	7900	15000	17.25	Tampico	5854
419	8000	15500	17.50	Tel Aviv	4050
420	8000	11400	16.7	Triest	3970
421	8100	15500	17.50	Valparaiso	8110
422	8200	15500	17.50	Vancouver	9550
423	8200	11500	17	Bahia	5230
424	8300	16000	17.50	Bahia Blanca	7280
425	8300	12000	16.5	Baltimore	4225
426	8400	16000	17.50	Bangkok	9810

427	8500	16500	17.75	Beirut	4050
428	8500	13000	16.7	Belfast	1375
429	8600	16500	17.75	Bombay	6835
430	8700	16500	17.75	Bordeaux	1387
431	8800	17000	17.75	Buenos Aires	7060
432	8900	17000	17.75	Calcutta	8679
433	9000	17500	18.00	Capetown	6880
434	9000	15000	17.2	Casablanca	2065
435	9100	17500	18.00	Chittagong	8770
436	9200	17500	18.00	Colombo	7430
437	9300	18000	18.00	Constanza	4015
438	9300	15200	16.8	Dakar	3260
439	9400	18000	18.00	Genua	2879
440	9500	18500	18.25	Gibraltar	2020
441	9500	16500	16.5	Haifa	4050
442	9600	18500	18.25	Havre	900
443	9700	18500	18.25	Hong Kong	10445
444	9800	19000	18.25	Izmir	3660
445	9800	16800	16.7	Karachi	6800
446	9900	19000	18.25	La Guaira	4920
447	10000	19500	18.50	Lizbona	1742
448	10000	17000	16	Liverpool	1350
449	10100	19500	18.50	London	790
450	10200	19500	18.50	Madras	8000
451	10300	20000	18.50	Manila	10395
452	10300	18000	17	Marmagoa	6960
453	10400	20000	18.50	Marsylia	2710
454	10500	20500	19.00	Melbourne	11735
455	10500	17200	17	Montevideo	6940
456	10600	20500	19.00	Murmańsk	1578
457	10700	20500	19.00	Nagasaki	11455
458	10800	21000	19.00	Neapol	2990
459	10800	17300	17.5	Nowy York	3940
460	10900	21000	19.00	Newport N.	4080
461	11000	21500	19.50	Norfolk	4103
462	11000	17300	17.2	Noworosyjsk	4260
463	11100	21500	19.50	Odessa	4165
464	11200	21500	19.50	Oran	2245
465	11300	22000	19.50	Panama	5500
466	11300	17500	17.5	Penang	8700
467	11400	22000	19.50	Port Said	3930
468	11500	22000	19.50	Port Sudan	4620
469	11500	17500	17	Quebeck	3730
470	11600	22500	19.50	Rangoan	8689
471	11700	22500	20.00	Rio de Janeiro	5930
472	11800	22500	20.00	Rosario	7260
473	11900	23000	20.00	San Francisko	8780
474	12000	23000	20.00	Santos	6105

475	12000	19000	17.2	Singapore	9010
476	12300	20000	16.8	Smyrna	3660
477	12500	21000	17	Suez	4055
478	12800	22000	17.5	Swansea	1190
479	13000	23000	18	Sydney	12210
480	13500	23500	18.5	Szanghaj	11250
481	13750	24500	19	Taku Bar	11795
482	14100	25400	19.5	Tampico	5854
483	14400	26200	19.5	Tel Aviv	4050
484	14750	27000	20	Triest	3970
485	4000	7500	15.50	Valparaiso	8110
486	4000	6200	15	Vancouver	9550
487	4100	7500	15.50	Bahia	5230
488	4200	7500	15.50	Bahia Blanca	7280
489	4200	6500	15.2	Baltimore	4225
490	4300	8000	15.50	Bangkog	9810
491	4400	8000	15.50	Beirut	4050
492	4500	8500	15.75	Belfast	1375
493	4500	7150	15	Bombay	6835
494	4600	8500	15.75	Bordeaux	1387
495	4700	8500	15.75	Buenos Aires	7060
496	4700	7250	15.1	Calcutta	8679
497	4800	9000	15.75	Capetown	6880
498	4800	7650	15.2	Casablanca	2065
499	4900	9000	15.75	Chittagong	8770
500	5000	9500	16.00	Colombo	7430
501	5000	7800	16	Constanza	4015
502	5100	9500	16.00	Dakar	3260
503	5200	9500	16.00	Genua	2879
504	5300	10000	16.00	Gibraltar	2020
505	5300	9500	15.5	Haifa	4050
506	5400	10000	16.00	Havre	900
507	5500	10500	16.25	Hong Kong	10445
508	5500	9500	16	Izmir	3660
509	5600	10500	16.25	Karachi	6800
510	5700	10500	16.25	La Guaira	4920
511	5800	11000	16.25	Lizbona	1742
512	5900	11000	16.25	Liverpool	1350
513	5900	9500	16.5	London	790
514	6000	11500	16.50	Madras	8000
515	6000	9600	16.3	Manila	10395
516	6100	11500	16.50	Marmagoa	6960
517	6200	11500	16.50	Marsylia	2710
518	6300	12000	16.50	Melbourne	11735
519	6300	9800	16.5	Montevideo	6940
520	6400	12000	16.50	Murmańsk	1578
521	6500	12500	16.75	Nagasaki	11455
522	6600	12500	16.75	Neapol	2990

523	6700	12500	16.75	Nowy York	3940
524	6800	13000	16.75	Newport N.	4080
525	6900	13000	16.75	Norfolk	4103
526	6900	10000	16	Noworosyjsk	4260
527	7000	13500	17.00	Odessa	4165
528	7000	10200	16.2	Oran	2245
529	7100	13500	17.00	Panama	5500
530	7200	13500	17.00	Penang	8700
531	7300	14000	17.00	Port Said	3930
532	7300	11000	16.5	Port Sudan	4620
533	7400	14000	17.00	Quebeck	3730
534	7500	14500	17.25	Rangoan	8689
535	7600	14500	17.25	Rio de Janeiro	5930
536	7700	14500	17.25	Rosario	7260
537	7800	15000	17.25	San Francisco	8780
538	7800	11200	16.2	Santos	6105
539	7900	15000	17.25	Singapore	9010
540	8000	15500	17.50	Smyrna	3660
541	8000	11400	16.7	Suez	4055
542	8100	15500	17.50	Swansea	1190
543	8200	15500	17.50	Sydney	12210
544	8200	11500	17	Szanghaj	11250
545	8300	16000	17.50	Taku Bar	11795
546	8300	12000	16.5	Tampico	5854
547	8400	16000	17.50	Tel Aviv	4050
548	8500	16500	17.75	Triest	3970
549	8500	13000	16.7	Valparaiso	8110
550	8600	16500	17.75	Vancouver	9550
551	8700	16500	17.75	Bahia	5230
552	8800	17000	17.75	Bahia Blanca	7280
553	8900	17000	17.75	Baltimore	4225
554	9000	17500	18.00	Bangkok	9810
555	9000	15000	17.2	Beirut	4050
556	9100	17500	18.00	Belfast	1375
557	9200	17500	18.00	Bombay	6835
558	9300	18000	18.00	Bordeaux	1387
559	9300	15200	16.8	Buenos Aires	7060
560	9400	18000	18.00	Calcutta	8679
561	9500	18500	18.25	Capetown	6880
562	9500	16500	16.5	Casablanca	2065
563	9600	18500	18.25	Chittagong	8770
564	9700	18500	18.25	Colombo	7430
565	9800	19000	18.25	Constanza	4015
566	9800	16800	16.7	Bangkok	9810
567	9900	19000	18.25	Beirut	4050
568	10000	19500	18.50	Belfast	1375
569	10000	17000	16	Bombay	6835
570	10100	19500	18.50	Bordeaux	1387

571	10200	19500	18.50	Buenos Aires	7060
572	10300	20000	18.50	Calcutta	8679
573	10300	18000	17	Capetown	6880
574	10400	20000	18.50	Casablanca	2065
575	10500	20500	19.00	Chittagong	8770
576	10500	17200	17	Colombo	7430
577	10600	20500	19.00	Constanza	4015
578	10700	20500	19.00	Dakar	3260
579	10800	21000	19.00	Genua	2879
580	10800	17300	17.5	Gibraltar	2020
581	10900	21000	19.00	Haifa	4050
582	11000	21500	19.50	Havre	900
583	11000	17300	17.2	Hong Kong	10445
584	11100	21500	19.50	Izmir	3660
585	11200	21500	19.50	Karachi	6800
586	11300	22000	19.50	La Guaira	4920
587	11300	17500	17.5	Lizbona	1742
588	11400	22000	19.50	Liverpool	1350
589	11500	22000	19.50	London	790
590	11500	17500	17	Madras	8000
591	11600	22500	19.50	Manila	10395
592	11700	22500	20.00	Marmagoa	6960
593	11800	22500	20.00	Marsylia	2710
594	11900	23000	20.00	Melbourne	11735
595	12000	23000	20.00	Montevideo	6940
596	12000	19000	17.2	Murmańsk	1578
597	12300	20000	16.8	Nagasaki	11455
598	12500	21000	17	Neapol	2990
599	12800	22000	17.5	Nowy York	3940
600	13000	23000	18	Newport N.	4080
601	13500	23500	18.5	Norfolk	4103
602	13750	24500	19	Noworosyjsk	4260
603	14100	25400	19.5	Odessa	4165
604	14400	26200	19.5	Oran	2245
605	14750	27000	20	Panama	5500