

TANK CAPACITY

DESIGNATION	FRAME	VOLUME m ³	WEIGHT t
BALLAST WATER γ 1025			
1 FORE PEAK TK.	132 - f.	183	188
2 DB TK.	CL 96 - 127	207	213
3 DB/SIDE TK.	SB 96 - 127	198	203
4 DB/SIDE TK.	PS 96 - 127	199	204
5 DB/SIDE TK.	SB 65 - 96	207	212
6 DB/SIDE TK.	PS 65 - 96	207	212
7 DB/SIDE TK.	SB 29 - 63	212	217
8 DB/SIDE TK.	PS 29 - 63	212	217
9 DB TK.	CL 27 - 65	233	239
10 AFT	CL 7 - 10	7	7
11 AFT PEAK	SB -3 - 10	88	91
12 AFT PEAK	PS -3 - 10	89	92
13 SIDE TANK	SB 96 - 122	79	81
14 SIDE TANK	PS 96 - 122	79	81
15 SIDE TANK	SB 65 - 96	101	103
16 SIDE TANK	PS 65 - 96	101	103
17 SIDE TANK	SB 31 - 63	104	106
18 SIDE TANK	PS 31 - 63	104	106
TOTAL		2609	2674
FRESH WATER γ 1000			
37 FRESH W. TK.	SB 21 - 26	27	27
38 FRESH W. TK.	PS 21 - 26	27	27
TOTAL		54	54

DESIGNATION	FRAME	VOLUME m ³	WEIGHT t
FUEL OIL γ 0.860			
20 DB TK.	CL 10 - 22	28	24
21 DB TK.	CL 80 - 96	100	86
22 DB TK.	CL 65 - 80	94	80
23 SETTLING TK.	SB 17 - 20	16	14
24 SETTLING TK.	PS 17 - 20	16	14
25 DAY TK. ME	PS 14 - 18	3	3
26 EM. ENG. TK.	SB 7 - 9	0.6	0.5
TOTAL		256	220
LUB. OIL γ 0.890			
31 STORAGE TK.	SB 14 - 16	7	7
32 STORAGE TK.	PS 14 - 16	7	7
TOTAL		15	14
OTHER TANKS			
33 BILGE W. TK.	SB 16 - 22	6	6
34 SLUDGE TK.	PS 22 - 27	10	10
35 SEWAGE TK.	CL 22 - 27	13	13
36 WASTE OIL	PS 16 - 22	6	6
27 LEAK OIL/OVER. SB	22 - 27	10	9

CARGO HOLD CAPACITY

SPACE No	LENGTH m	VOLUME m ³	cbf
I.	0.325	66	2328
II.	3.525	390	13781
III.	4.900	543	19160
IV.	11.550	1279	45162
V.	12.250	1297	45787
VI.	9.450	1047	36949
VII.	8.750	969	34213
VIII.	5.250	581	20530
IX.	3.850	426	15053
X.	3.525	390	13781
XI.	0.325	66	2328
	63.700	7054	249076

CONTAINER CAPACITY

	8'	20'	40'
HOLD	1 st TIER	50	25
	2 nd TIER	50	25
	3 rd TIER	50	25
	TOTAL	150	75
DECK	1 TIER	50	25
	LOAD TOTAL	200	100

SAFETY LOAD

	SURFACE LOAD	CONTAINER LOAD STEADY DISTR LOAD
HATCH COVER	1.71 t/m ²	20/20 t, 40/30 t
DOUBLE BOTTOM	12.5 t/m ²	

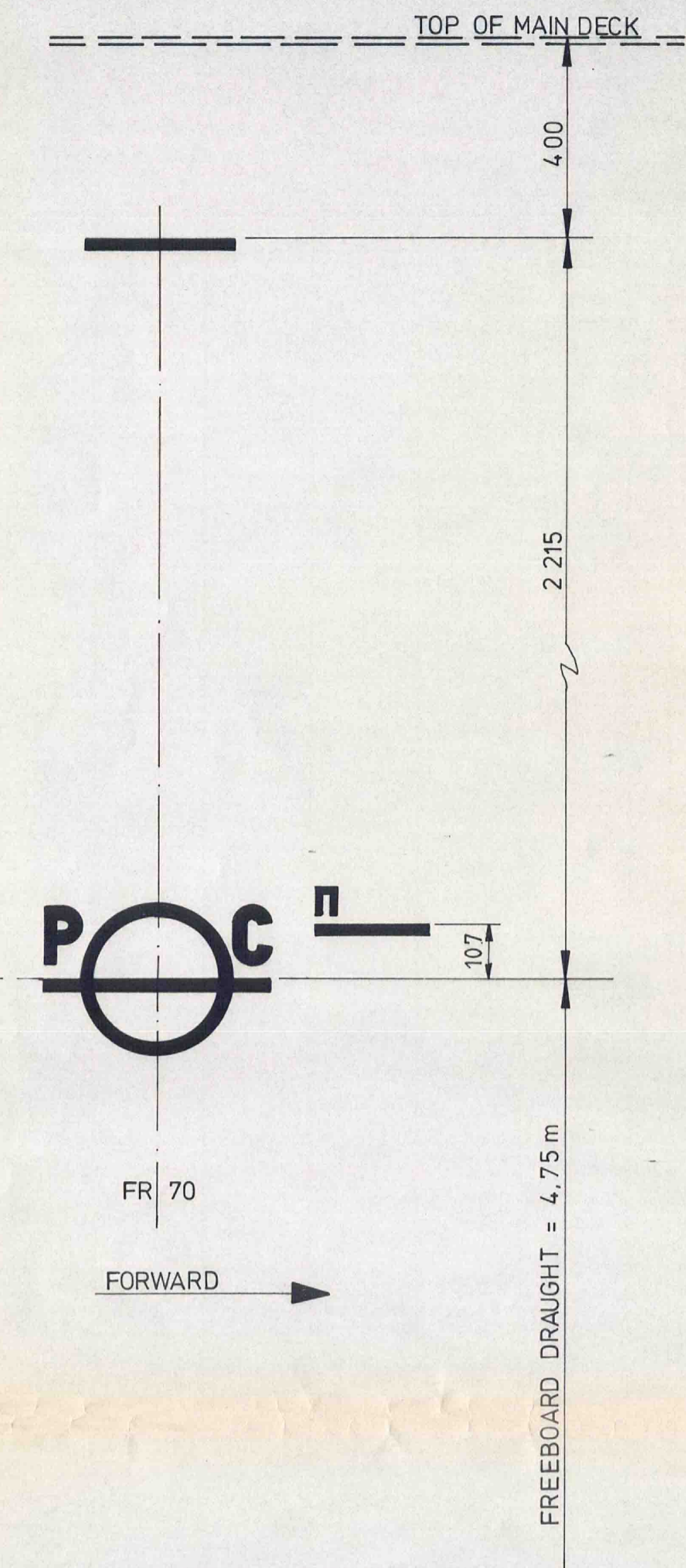
DEAD WEIGHT

SUMMER	4400 TDW
FRESHWATER	4400 TDW

LIGHT SHIP WEIGHT 1860 TDW

DEADWEIGHT SCALE

DRAUGHT METER FEET	DEADWEIGHT		DISPLACEMENT	TPC	MCT	KM	LCB	DRAUGHT
	t (1000kg)	f (1000kg)						
6.0	10251/m	10201/m	8000				48.40	6.0
5.5			7600	14.9	10800		48.50	5.5
5.0			7200	14.8	10600	6.85	48.60	5.0
4.5			6800	14.7	10400	6.9	48.70	4.5
4.0			6400	14.6	10200	6.95	48.80	4.0
3.5			6000	14.5	10000	7.00	48.90	3.5
3.0			5600	14.4	9800	7.05	49.00	3.0
2.5			5200	14.3	9600	7.10	49.10	2.5
2.0			4800	14.2	9400	7.15	49.20	2.0
1.5			4400	14.1	9200	7.20	49.30	1.5
1.0			4000	14.0	9000	7.25	49.40	1.0
0.5			3600	13.9	8800	7.30	49.50	0.5
0.0			3200	13.8	8600	7.35	49.60	0.0
			2800	13.7	8400	7.40	49.70	
			2400	13.6	8200	7.45	49.80	
			2000	13.5	8000	7.50	49.90	
			1600	13.4	7800	7.55	50.00	
			1200	13.3	7600	7.60	50.10	
			800	13.2	7400	7.65	50.20	
			400	13.1	7200	7.70	50.30	
			0	13.0	7000	7.75	50.40	
				12.9	6800	7.80	50.50	
				12.7	6600	7.85	50.60	
				12.6	6400	7.90	50.70	
				12.5	6200	7.95	50.80	
				12.4	6000	8.00	50.90	
				12.3	5800	8.05	51.00	
				12.2	5600	8.10	51.10	
				12.1	5400	8.15	51.20	
				12.0	5200	8.20	51.30	
				11.9	5000	8.25	51.40	
				11.8	4800	8.30	51.50	
				11.7	4600	8.35	51.60	
				11.6	4400	8.40	51.70	
				11.5	4200	8.45	51.80	
				11.4	4000	8.50	51.90	
				11.3	3800	8.55	52.00	
				11.2	3600	8.60	52.10	
				11.1	3400	8.65	52.20	
				11.0	3200	8.70	52.30	
				10.9	3000	8.75	52.40	
				10.8	2800	8.80	52.50	
				10.7	2600	8.85	52.60	
				10.6	2400	8.90	52.70	
				10.5	2200	8.95	52.80	
				10.4	2000	9.00	52.90	
				10.3	1800	9.05	53.00	
				10.2	1600	9.10	53.10	
				10.1	1400	9.15	53.20	
				10.0	1200	9.20	53.30	



ENGINE EQUIPMENT

No	DESCRIPTION	TYPE / PERFORMANCE
1	MAIN ENGINE / SKL	8 VD 29/24 AL2
2	AUX. ENGINE / CATERPILLAR	3406 DI-T/218KW, 1500rpm
2	GENERATOR / A.VAN KAICK	200KVA DSG 43 L2-4
1	AUX. ENGINE / CATERPILLAR	3304 DI-T/95KW, 1500rpm
1	GENERATOR / A.VAN KAICK	103KVA DSG 36 2-4
2	ELECTR. AIR-COMPR. / SAUER&SOHN	WP 22L/21m /h, 30bar
1	REDUCTION GEAR / REINTJES	WAF 1941/3.95:1
2	DRAIN-BALLAST- A. DECKWASHPP.	CMEP 100/40/160m /h/4.0bar
2	DRAIN-BALLAST- A. JIREPP.	VMEP 80/20 95m /h 5bar
1	BOW THRUSTER / JASTRAM	TYP BU 40F 180KW/1470rpm
1	EMERGENCY FIRE PUMP	VMEP 50/20 35m /5bar

NAUTICAL EQUIPMENT

No	DESCRIPTION	TYPE / PERFORMANCE
1	AUTOPILOT / ANSCHÜTZ	NAUTOPILOT D
1	GYRO COMPASS / ANSCHÜTZ	STANDARD 20 COMPACT
1	MAGNETIC COMPASS/CASSENS&PLATH	REFLEKTA 1
1	ECHO SOUNDER / DEBEG	4650
1	SEA RADAR SYSTEM / DEBEG	CA 251/6
1	MF/HF-RADIO TEL.STATION/DEBEG	3100
2	VHF-SEA RADIO SYSTEM / DEBEG	6348
1	WATCH KEEP RECEIVER / DEBEG	2150
1	GPS-NAVIGATOR / DEBEG	NAVTRAC XL
1	SAT TELEX STATION / DEBEG	3757
1	RIVER RADAR SYSTEM / DEBEG	RR 2050 MT
1	RUDDER ANGLE INDIC. / BARKEMEIER	
1	TURN OFF RATE INDIC. / DEBEG	GYROMAT COMPACT
1	SPEEDLOG / DEBEG	4675
2	RADAR TRANSPONDER / DEBEG	5900
1	SAT EPIRB / DEBEG	3540
3	WALKIE TALKIE / DEBEG	6701
1	WEATHER FAC.S.RECEIVER / DEBEG	2950
1	NAVTEX RECEIVER / DEBEG	2900

LIFE SAVING EQUIPMENT

No	DESCRIPTION	TYPE / PERFORMANCE
1	RESCUE BOAT / FASSMER	RR 4,2 (6 PERS.)
1	THROW-OVER-BOARD LIFERAFT/DSF	16/20E (16 PERS.)
1	DAVIT LAUNCHED LIFERAFT/DSF	16/20EF (16 PERS.)
1	ENCL. FREEFALL LIFEBOAT/FASSMER	GAR 6.0 (14 PERS.)

DECK EQUIPMENT

No	DESCRIPTION	TYPE / PERFORMANCE
1	STERN ANCHOR / SPEK	2280 kg
2	BOW ANCHOR / SPEK	2280 kg
1	STUD-LINK-CHAIN (BOW)	d=36mm; K3 L=467.5m
1	STUD-LINK-CHAIN (STERN)	d=36mm; K3 L= 82.5m
1	BOW ANCHOR WINCH / STEEN	TYPE 010.16
1	STERN ANCHOR CAPSTAN / STEEN	TYPE 13.16
1	STEERING GEAR/BARKEMEYER	RM 5495

MAIN DIMENSIONS

LENGTH OVER ALL	100.60m
LENGTH BETW. PP.	96.00m
MOULDED BREADTH	16.00m
EXTREME BREADTH	16.20m
DEPTH TO MAINDECK	7.35m
MOULD. SUMMER FREEBOARD	4.75m
AIR DRAUGHT AB. 3.75m DRAUGHT	13.00m
HOLD DIMENSIONS	63.70x12.90x8.53m
GROSS TONNAGE (LONDON)	abt. 3796 GT
NET TONNAGE (LONDON)	abt. 1549 NT
MAIN ENGINE POWER	1600 kW
SPEED: LOADED / BALLAST	11,0 / 11,5 KNOTS

GENERAL CARGO / CONTAINER VESSEL

PORT OF REGISTRY: TAGANROG
 DISTINGUISHING SIGNAL: UADZ
 CLASS: KM *L 4 I A 3
 "STRENGTHENED FOR GRIP LOAD"
 "GRAIN FITTED"
 "FITTED FOR CARRIAGE OF CONTAINERS"

Stück	Benennung	Soch-Nr.	Werkstatt	Bemerkung

Schiffswerft u. Maschinenfabrik
 Cassens G.m.b.H.
 2870 Emden

Zeichnungs-Nr.: 205
 Ersatz-Nr.:
 Ersetzt durch:

FINAL CAPACITY PLAN 013-02
M.V. DON