

VESSEL SPECIFICATIONS
(All Details about and without guarantee)

VESSEL

Ikan Selangat

EX-NAME	Magic Sky
REGISTRY	Singapore
OFFICIAL NO	383667
CALLSIGN	S6FZ
IMMARSAT C GMDSS	456349220
INMARSAT TEL	N.A.
INMARSAT FAX	N.A.
INMARSAT TLX	456349210

OWNERS	Selangat Shipping Pte Ltd
MANAGERS	Pacc Ship Managers Pte Ltd
CLASS	American Bureau of Shipping
CLASS ID NUMBER	8400096
CLASS NOTATION	+A1 E Bulk Carrier, Strengthened for heavy cargoes, Holds no. 2 & 4 may be empty, +AMS, +ACCU

TONNAGE

GROSS

NETT

REGISTERED	22,148.00	12,026.00
SUEZ	23,459.60	20,162.63
PANAMA	23,870.88	17,538.26
YEAR BUILT	1984	
KEEL LAID	09-July-1982	
LAUNCHED	03-September-1982	
BUILDER	Ishikawajima-Harima Heavy Ind. Co. Ltd	
HULL NUMBER	2781	

VESSEL TYPE	Dry Bulk Carrier
ICE CLASSED	No
NUMBER OF DECK	1
SERVICE SPEED	12 knots
ECONOMICAL SPEED	11 knots
FORECASTLE	Raised
POOP DECK	Flushed
NUMBER OF DECK HOUSES	2
BOW TRUSTER	No
NUMBER OF SCREWS	1
TYPE OF PROPELLER	Fixed Pitch, 4 Blades
SPARE PROPELLER	Yes
SPARE PROPELLER SHAFT	Yes

L.O.A.	187.73 M
L.B.P.	178.00 M
BREADTH	28.40 M
DEPTH	15.30 M

DRAFT	10.764 M
DEADWEIGHT	37,554 MT
DISPLACEMENT	45,311 MT
TPC (SUMMER DRAFT)	45.52 M
F.W. ALLWNCE @ SUMMER DRAFT	0.249 M
CONSTANT	289.3 MT
LIGHTWEIGHT	7,757 MT

<u>DISPLACEMENT AND DRAFTDWT (MT)</u>		<u>DRAFT (M)</u>	<u>DISPLM'NT (MT)</u>
TROPICAL FRESHWATER	38,561	11.237	46,318
FRESHWATER	37,560	11.013	45,317
TROPICAL SEAWATER	38,579	10.988	46,336
SUMMER SEAWATER	37,554	10.764	45,311
WINTER SEAWATER	36,538	10.540	44,295

CARGO HOLDS

NUMBER OF HOLDS	5
NUMBER OF HATCHES	5

<u>HOLD S</u>	<u>FR.NO</u>	<u>HATCH SIZE(MxM)</u>	<u>GRAIN(M3)</u>	<u>BALE(M3)</u>
1	175 - 209	16.0 x 12.6	7,900.1	7,612.0
2	141 - 175	17.6 x 14.4	9,435.0	9,193.8
3	107 - 141	17.6 x 14.4	9,427.6	9,055.2
4	73 - 107	17.6 x 14.4	9,439.1	9,128.5
5	37 - 73	17.6 x 14.4	9,638.1	9,379.4
6	N.A.	N.A.	N.A.	N.A.
7	N.A.	N.A.	N.A.	N.A.

TWEEN HOLDS (IF APPLICABLE)

<u>HOLD S</u>	<u>FR.NO</u>	<u>HATCH SIZE(MxM)</u>	<u>GRAIN(M3)</u>	<u>BALE(M3)</u>
1	N.A.	N.A.	N.A.	N.A.
2	N.A.	N.A.	N.A.	N.A.

CARGO HOLD TANKTOP DIMENSIONS EXCLUDE CORRUGATIONS AND SLOPES

<u>HOLD</u>	<u>FORWARD (M)</u>	<u>AFT (M)</u>	<u>LENGTH (M)</u>
1	8.0	21.2	24.6
2	21.2	21.2	24.6
3	21.2	21.2	24.6
4	21.2	21.2	24.6
5	21.2	13.6	24.6
6	N.A.	N.A.	N.A.
7	N.A.	N.A.	N.A.

FEATURES OF CARGO HOLDS

HOLDS VENTILATION	Natural
IF FORCED,NBR OF AIR CHANGE/MIN	N.A.
BALLAST CARGO HOLD	No. 3
WHETHER OTHER HOLDS ARE TO BE BALLASTED TO REDUCE AIR DRAFT IN PORT	No
IF SO, STATE THE HOLD/S	N.A.
IF SO, STATE BALLAST QUANTITIES EACH HOLD	N.A.
UPPER WING TANKS IN ALL HOLDS	Yes
UPPER WING TANKS CONSTRUCTION	Sloping
LOWER HOPPER TANKS IN ALL HOLDS	Yes
UPPER STOOL IN WAY OF BULKHEADS	Yes
LOWER STOOL IN WAY OF BULKHEAD	Yes
BLEEDING UPPER WING TANKS	No
ORE STRENGTHENED	Yes
ALTERNATE HOLD LOADING	Yes
HOLDS USED FOR ALTERNATE LOADING	No. 1, 3, 5
ALTERNATE LOADING MAX CARGO	26,965.8 MT
CARGO BATTENS FITTED	No
BATTENS PERMANENT TYPE	N.A.
IF NO, ANY PROVISIONS MADE FOR BATTENS	N.A.
IF SO, FITTINGS AND BATTENS ONBOARD?	No
IN WHICH HOLDS ?	N.A.
LOCATION OF BATTEN - SHIPSIDE P/S	N.A.
LOCATION OF BATTEN - BULKHEAD F/A	N.A.
LOCATION OF BATTEN - TANKTOP	N.A.
AUSTRALIAN HOLD LADDERS	Yes
CO2 FITTED IN HOLDS	No
SMOKE DETECTOR FITTED IN HOLDS	No

GRAIN LOADING APPROVAL

CERTIFIED GRAIN LOADING BOOKLET ONBOARD	Yes
GRAIN LOADING BOOK COMPLY WITH CHAPTER V1 SOLAS 74	Yes
IF OTHERWISE, STATE	N.A.
CERTIFIED BY CLASS FOR ADMINISTRATION OR OTHER NATIONAL AUTHORATIES	Yes
CERTIFIED FOR UNTRIMMED ENDS	Yes

OTHER FEATURES OF CARGO HOLDS

IS VESSEL LOG FITTED	Yes
COLLAPSIBLE STANCHIONS	No
SOCKET FOR STANDCHIONS FOR DECK CARGO	Yes
MAXIMUM HEIGHT OF LOG CARGO ON DECK	6.6 M
LOOSE LOG LASHING MATERIALS ON BOARD	No
IS VESSEL CONTAINER FITTED?	No
CONTAINER FITTINGS PERMANENT ?	No

- IN HOLDS	No
- ON DECKS	No
- ON HATCH COVERS	No
FULL CONTAINER SHOES, LASHINGS ETC	N.A.
MAXIMUM PERMISSIBLE STACK LOAD	N.A.
- HOLDS	N.A.
- DECK	N.A.
- HATCH COVERS	N.A.
ANY REEFER POINTS	No
POSITION OF REEFER POINTS	No
MAX REEFER TEU ALLOWED	No

CONTAINER CAPACITY

HOLD	IN HOLDS	TWEEN DK	H-COVERS	MAIN DK
1	N.A.	N.A.	N.A.	N.A.
2	N.A.	N.A.	N.A.	N.A.
3	N.A.	N.A.	N.A.	N.A.
4	N.A.	N.A.	N.A.	N.A.
5	N.A.	N.A.	N.A.	N.A.
6	N.A.	N.A.	N.A.	N.A.

DECK STRENGTHS (MT/M²)

HOLD	TANKTOP	UPPER DECK	H-COVERS
1	20.90	4.60	2.50
2	20.90	4.60	2.50
3	20.90	4.60	2.50
4	20.90	4.60	2.50
5	20.90	4.60	2.50
6	N.A.	N.A.	N.A.
7	N.A.	N.A.	N.A.

HATCH COVERS

MAIN DECK HATCH COVERS

MAKE:	IHI
TYPE	Single pull end stowing
OPERATION SYSTEM	Hydraulic motor with chain
SECURING SYSTEM	Electro-hydraulic

TWEEN DECK HATCH COVERS

MAKE	N.A.
TYPE	N.A.

DISTANCES (in metres)

STERN TO FRONT OF SUPERSTRUCTURE	35.1 M
STERN TO AFT END AFTMOST HATCH	41.3 M
BOW TO FORWARD OF HATCH NO 1	20.4 M
FWD END OF HATCH NO 1 TO AFT END AFTMOST HATCH	126.0

SHIP'S RAIL TO OUTSIDE OF HATCH COAMING

HATCH	FORE (M)	MID (M)	AFT (M)
1	3.1	5.3	5.2
2	5.68	6.14	5.6
3	5.7	6.0	5.44
4	5.7	6.0	5.6
5	5.26	6.0	6.0
6	N.A.	N.A.	N.A.
7	N.A.	N.A.	N.A.

THICKNESS OF HATCH COAMING

LONGITUDINAL	635 MM
TRANSVERSE	350 MM

CENTRE OF HATCH FROM BOW AND STERN

HATCH	BOW (M)	STERN (M)
1	29.4	158.26
2	55.9	131.76
3	83.04	104.62
4	110.34	77.32
5	137.34	50.32
6	N.A.	N.A.
7	N.A.	N.A.

HEIGHTS (in metres)

KEEL TO HIGHEST POINT	44.56 M
KEEL TO TOP OF FUNNEL	36.8 M
KEEL TO TOP OF CRANES	31.8 M
KEEL TO TOP OF FWD SAMSON POST	N.A.
KEEL TO TOP OF AFT SAMSON POST	N.A.
KEEL TO DK LEVEL AT SS RAIL, MIDSHIP	16.8 M
KEEL TO DK LEVEL AT H-COAMING, MIDSHIP	17.3 M

HEIGHT KEEL TO TOP OF HATCH COAMING AND HATCH COVERS

<u>HOLD</u>	<u>HATCH COAMING</u>	<u>HATCH CVRS</u>
1	17.6	18.2
2	17.3	18.0
3	17.3	18.0
4	17.3	18.0
5	17.3	18.0
6	N.A.	N.A.
7	N.A.	N.A.

HEIGHT FROM WATERLINE TO TOP OF HATCH COAMINGS

HOLD NO	LIGHT SHIP	FULLY BALLAST	LOADED
1	N.A.	13.4	6.0

2	N.A.	12.9	6.0
3	N.A.	12.4	6.0
4	N.A.	12.0	6.0
5	N.A.	11.6	6.0
6	N.A.	N.A.	N.A.
7	N.A.	N.A.	N.A.

CARGO GEAR

NO OF CRANE: 4
 MANUFACTURER: IHI
 TYPE: Hydraulic cylinders

CRANE NO	S.W.L. (LT)	LOCATION
1	25	Between hatch no. 1 & 2
2	25	Between hatch no. 2 & 3
3	25	Between hatch no.3 & 4
4	25	Between hatch no. 4 & 5
5	N.A.	N.A.
6	N.A.	N.A.

MAXIMUM CRANE OUTREACH FROM SHIPSIDE WITH FULL LOAD/ANGLE FROM HORIZONTAL WHEN CRANE FULLY EXTENDED IN WORKING POSITION

CRANE	DISTANCE (M)	ANGLE
1	4.5	25 DEG
2	4.5	25 DEG
3	4.5	25 DEG
4	4.5	25 DEG
N.A.	N.A.	DEG
N.A.	N.A.	DEG

SPEEDS OF CRANES

HOISTING SPEED 12.0 M/MIN
 SLEWING 0.5 RPM
 LUFFING 52 SECS

CAN 2 CRANES USE AN EQUALISING BEAM No
 ELECTRIC CONNECTIONS FOR HYDRAULIC GRABS No

IS UNION PURCHASE POSSIBLE? No
 CAPACITY. OF UNION PURCHASE N.A.
 CAN 2 CRANES WORK IN TANDEM? N.A.

BALLAST INFORMATION

TOTAL BALLAST CAPACITY INCLUDING BALLAST HOLD NO 3 20,605.473 M³

DRAFT FULLY BALLASTED FORE (M) AFT(M) MEAN

GTR 90% IFO/DO CAPACITY	7.24	7.67	7.45
GTR 20%IFO/DO CAPACITY	6.63	7.34	6.99
MAXIMUM DE-BALLASTING CAPACITY	400 M ³ /H		
BALLAST PUMP CAPACITY	500 M ³ /H		

BUNKER INFORMATION

100% IFO CAPACITY	3,108.9 MT
100% MDO CAPACITY	209.7 MT

FUEL OIL TANK	FRAME POS	IFO 100% (M ³)
NO 2 DB CENTRE	140 - 174	1,525.4
NO 4 DB CENTRE	72 - 106	1,545.4
NO DB CENTRE	N.A.	N.A.
NO DB CENTRE	N.A.	N.A.
NO DB CENTRE	N.A.	N.A.
DEEP FO TANK (P)	N.A.	N.A.
DEEP FO TANK (S)	N.A.	N.A.
HFO SETT TANK	33 - 36	35.5
HFO SERV TANK	33 - 36	24.1
HFO OVERFLOW TANK	32 - 35	14.0

DIESEL OIL TANK	FRAME POS	IFO 100% (M ³)
MDO (S) TANK	18 - 40	94.3
MDO (P) TANK	16 - 40	97.6
MDO SERV TANK	29 - 31	8.9
MDO SETT TANK	29 - 31	8.9

FRESH WATER INFORMATION

DAILY CONSUMPTION (EST)	10 MT
MAX TANK CAPACITY	388.2 MT
MAX DAILY WATER PRODUCTION	21 MT
CURRENT WATER PRODUCTION	17 MT

FRESHWATER GENERATOR

MAKER	Sasakura - Atlas
MODEL	AFGU-4
RATED CAPACITY	21 MT/DAY

SPEED AND CONSUMPTIONS

SPEED (KTS)	CONS (LOADED)	RPM	CONS (BALASTED)	RPM
10	N.A.	N.A.	N.A.	N.A.
10.5	N.A.	N.A.	N.A.	N.A.
11	25.0	N.A.	24.5	N.A.
11.5	26.0	N.A.	25.0	N.A.
12	27.0	N.A.	25.5	N.A.

12.5	N.A.	N.A.	N.A.	N.A.
13	N.A.	N.A.	N.A.	N.A.
13.5	N.A.	N.A.	N.A.	N.A.
14	N.A.	N.A.	N.A.	N.A.
14.5	N.A.	N.A.	N.A.	N.A.
15	N.A.	N.A.	N.A.	N.A.
15.5	N.A.	N.A.	N.A.	N.A.
16	N.A.	N.A.	N.A.	N.A.
16.5	N.A.	N.A.	N.A.	N.A.
17	N.A.	N.A.	N.A.	N.A.
17.5	N.A.	N.A.	N.A.	N.A.
18	N.A.	N.A.	N.A.	N.A.

CONSUMPTION AT SEA

DIESEL OIL CONSUMPTION 2 MT
 FUEL OIL CONSUMPTION (BOILER + GENERATOR) 0.8 MT

CONSUMPTION IN PORT

FUEL OIL 1 MT/DAY
 DIESEL OIL, IDLE 1.8 MT/DAY
 DIESEL OIL, WORKING 8 HRS 2.2 MT/DAY
 DIESEL OIL, WORKING 16 HRS 2.8 MT/DAY
 DIESEL OIL, WORKING 24 HRS 3 MT/DAY

TYPE OF FUEL OIL Actual ISO RME 25, 180 CST
 TYPE OF DIESEL OIL Estimate ISO DMB, 8 CST

MAIN ENGINE

MAKER IHI Co. Ltd, Japan
 MODEL Sulzer 6RLB66
 BORE 660 MM
 STROKE 1,400 MM
 MCR 11,100 bhp @ 124 rpm
 NOR 9,990 bhp @119.7 rpm

GENERATORS

NUMBER OF GENERATORS 3
 MAKER Daihatsu Diesel Mfg. Co. Ltd
 MODEL 6PSHTc 26H

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