



MSC SEASCAPE

TECHNICAL SHEET



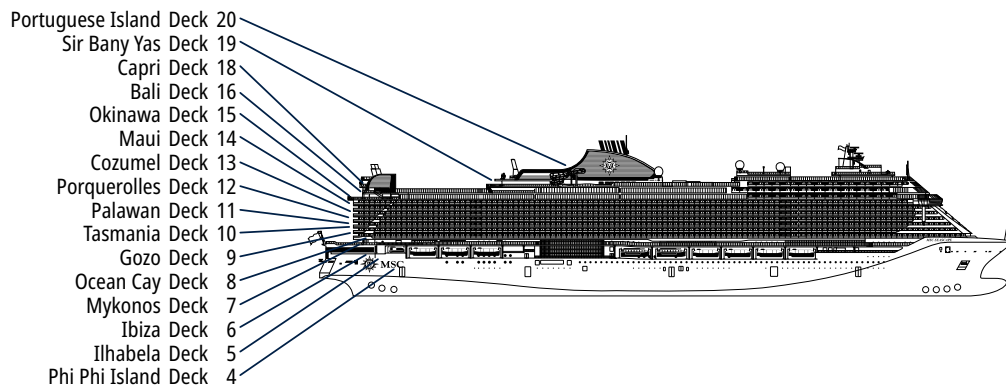
TECHNICAL CHARACTERISTICS OF THE SHIP



MARINA POOL

TECHNICAL CHARACTERISTICS OF THE SHIP

GROSS TONNAGE	169.400 tons
LENGTH / BEAM / HEIGHT	339 m / 41 m / 74 m
SURFACE AREA	450.000 m ² , included 36.800 m ² public areas
PUBLIC AREA RATIO	7,6 m ² per Guest
DECKS	20, included 15 for Guests
LIFTS	33, included 19 for Guests (incl. 2 panoramics)
VOLTAGE (IN CABIN)	110/220 volts
MAXIMUM SPEED	21,8 knots
STABILISERS	Stabilised with 2 fins
NUMBER OF GUESTS	5.877
NUMBER OF CABINS	2.270, included 74 for Guests with disabilities or reduced mobility
CREW MEMBERS	Approx. 1.648
POOLS	5, included 1 with sliding roof and 1 for the MSC Yacht Club
WHIRLPOOLS	2 whirlpool baths with up to 20 seats, 2 for the MSC Yacht Club, 28 Suites and 2 Royal Suites with private whirlpool bath
ENVIRONMENTAL TECHNOLOGY	AWT-Advanced Water Treatment, Energy Saving & Monitoring System, scrubber and exhaust gas treatment, LED Light technology



INFINITY WHIRLPOOL



BUTCHER'S CUT



COMMON SERVICES



TIMES SQUARE

VARIOUS SERVICES	Use	Seats	Surface (m ²)	Deck
MEDICAL CENTRE	Medical centre	16	278	4 Phi Phi Island
MSC EXCURSIONS	Excursions point			8 Ocean Cay
MSC EXCURSIONS	Excursions office	24		6 Ibiza
MSC FUTURE CRUISE	Cruise Consultant office	14	126	5 Ilhabela
RECEPTION - GUEST SERVICE	Reception, guest service	50	270	5 Ilhabela

CONFERENCE ROOMS	Surface (m ²)		Seats	Surface (m ²)	Deck
	Stage floor	Dance floor			
LE CABARET ROUGE	30	44	400	750	6 Ibiza / 7 Mykonos
CHORA THEATRE	166		1.172	1.150	6 Ibiza / 7 Mykonos
MSC BUSINESS CENTRE			30	77	8 Ocean Cay
UPTOWN LOUNGE	8	38	120	366	8 Ocean Cay

INCENTIVE FACILITIES

The ship is equipped with advanced sound and light systems, video projection equipment. A high-tech vision sharing system will allow vision from any given source on the ship to be shared throughout the ship, or to specific lounges or public areas. Wi-Fi Internet connection available in all public areas and cabins.



ON MSC SEASCAPE THE TECHNOLOGY IS AT THE SERVICE OF THE ART OF HOSPITALITY.

With **MSC for Me**, Guests can stay in touch with their family and friends and get all the information, advice and inspiration they'll need, whenever and wherever they need for free through their mobile app, in cabin smart TV, interactive touchscreens or **MSC for Me** wristbands. For using the mobile app, Guests just need to connect to the free onboard WIFI network to enjoy it all – an internet package is not required!

LE CABARET ROUGE



CHORA THEATRE



RESTAURANTS, BARS, SHOPS & ENTERTAINMENT



KAITO TEPPANYAKI

RESTAURANTS	Use	Seats	Surface (m ²)	Deck
AGEAN RESTAURANT	Main restaurant	279	451	7 Mykonos
BUTCHER'S CUT	American steakhouse with exclusive Chef's Table	118	325	8 Ocean Cay
CALA JONDAL RESTAURANT	Main restaurant	628	960	6 Ibiza
CHEF'S COURT RESTAURANTS	Go-to destination for bars and restaurants		80	8 Ocean Cay
HOLA! TACOS & CANTINA	Latin American and Mexican -inspired dishes and drinks	64	150	8 Ocean Cay
KAITO SUSHI BAR	Sushi Food Bar	32	60	8 Ocean Cay
KAITO TEPPANYAKI	Teppanyaki restaurant	64	225	8 Ocean Cay
MARKETPLACE BUFFET & RESTAURANT	Main buffet with outdoor bar area	1.169	2.700	16 Bali
OCEAN CAY RESTAURANT	Seafood speciality restaurant	62	160	8 Ocean Cay
SKYLINE RESTAURANT	Aurea Guest Restaurant	192	335	7 Mykonos
THE GREEN WAVE RESTAURANT	Main restaurant	924	1.522	5 Ilhabela
BARS / LOUNGES	Use	Seats	Surface (m ²)	Deck
CHAMPAGNE & WINE BAR	Bar with fine snacks	90	670	7 Mykonos
COCKTAIL BAR	Welcome Bar	60	105	8 Ocean Cay
JUNGLE POOL BEACH BAR	Indoor pool bar	300		16 Bali
LE CABARET ROUGE	2-deck-high lounge with live music	400	750	6 Ibiza / 7 Mykonos
LOFT CAFÉ	News & Comedy Club Bar	144	343	8 Ocean Cay
MSC SIGNATURE CASINO	Casino lower bar	35	120	7 Mykonos
SEASCAPE BAR	Pre-dinner cocktail bar	77	444	5 Ilhabela
SHINE BAR	Pre-dinner cocktail bar	130	600	6 Ibiza
SPORTS BAR	Drinks and finger food	164	436	8 Ocean Cay
THE WINE CELLAR	Welcome bar with wine tasting area	16	60	8 Ocean Cay
UPTOWN LOUNGE	Aft lounge with live music and shows	120	366	8 Ocean Cay
VENCHI 1878 CHOCOLATE BAR	Chocolate factory and coffee bar with open kitchen by Venchi	26	142	6 Ibiza
OUTDOOR BARS	Use	Seats	Surface (m ²)	Deck
HORIZON BAR	Ice cream bar	64		19 Sir Bani Yas
INFINITY BAR	Outdoor Pool Bar	43		8 Ocean Cay
MARINA BAR	Outdoor Pool Bar	100	2.200	18 Capri
SKY BAR	Outdoor Roof-Top Cocktail Bar	150	350	16 Bali
TOP 19 BAR	Sun deck bar	43	2.200	19 Sir Bani Yas
VENCHI 1878 GELATO	Ice cream bar and creperie by Venchi	66		8 Ocean Cay
SHOPS	Use	Seats	Surface (m ²)	Deck
ACCESSORIES	Fashion accessories and leather goods		118	6 Ibiza
BOUTIQUE	Fashion boutique (men, women and kids)		138	6 Ibiza
DUTY FREE*	Tobacco, liquors, technology and snacks		118	6 Ibiza
FASHION JEWELLERY	Jewellery selection		45	8 Ocean Cay
FINE JEWELLERY	Fine jewellery boutique		32	8 Ocean Cay
MSC SHOP	Logo shop		57	8 Ocean Cay
PERFUMES & COSMETICS	Perfumes and cosmetics		181	6 Ibiza
THE GALLERY	Shopping event Gallery		26	8 Ocean Cay
THE HUB - PHOTO & DIGIT@L	The main info point for onboard photo and digital services			5 Ilhabela
TIME VALLÉE	Fine Swiss Watches		150	6 Ibiza
WATCHES & SUNGLASSES	Watches and Sunglasses		60	7 Mykonos
ENTERTAINMENT	Use	Seats	Surface (m ²)	Deck
ART GALLERY	Art gallery	8	277	8 Ocean Cay
BRIDGE OF SIGHS	Bridge with glass balustrades			16 Bali
BROADCASTING ROOM	Recording room	4	14	8 Ocean Cay
CHORA THEATRE	Theatre, shows, conferences	1.172	1.150	6 Ibiza / 7 Mykonos
DANZA DEL MARE	12-metre hand made glass sculpture realized for MSC Foundation by Venini			5, 6, 7, 8
EMOTIONS - IMMERSIVE GALLERY	Emotional photo gallery	50	218	5 Ilhabela
INFINITY BRIDGE	Outdoor glass bridge			8 Ocean Cay
LIBERTY PLAZA	Square with bars and shops		490	8 Ocean Cay
LONG ISLAND POOL	Sun Deck, Pool	304	2.200	18 Capri
MSC FOUNDATION	Information on MSC Foundation programmes and interactive sea game		60	5 Ilhabela
MSC SIGNATURE CASINO	Casino, bar	331	1.100	7 Mykonos
SPORTS BAR	Drinks and finger food, Billiard room	160	425	8 Ocean Cay
TIMES SQUARE	Square with live music, pastry and ice cream bar	64	720	6 Ibiza
WATERFRONT BOARDWALK	Waterfront boardwalk			8 Ocean Cay

*Depending on the itineraries and subject to applicable legislation.

FAMILY ENTERTAINMENT, SPA & SPORTS



JUNGLE POOL LOUNGE

FAMILY ENTERTAINMENT	Use	Seats	Surface (m ²)	Deck
ADVENTURE TRAIL	Hanging bridge			19 Sir Bani Yas
BABY CLUB CHICCO	Dedicated area for babies by Chicco (under 3 years)		60	18 Capri
BEAT HERO VR	Virtual reality attraction			18 Capri
BOULEVARD DU CABARET	Social hot spot and photo zone		247	7 Mykonos
HALL OF GAMES	Entertainment area		325	18 Capri
INTERACTIVE XD CINEMA	Interactive XD Dark Ride Cinema	8	64	7 Mykonos
JUNIORS CLUB	Play area (7-11 years)		125	18 Capri
MINI CLUB	Play area (3-6 years)		106	18 Capri
MSC FORMULA RACER	Car racing virtual simulator	1	25	18 Capri
PIRATES COVE AQUAPARK	Aquapark with waterplay area		915	18 Capri / 19 Sir Bani Yas
ROBOCOASTER	Open air arm coaster attraction with real-sky seeing	3		20 Portuguese Island
TEEN CLUB	Teenagers playroom (15-17 years)		51	18 Capri
THE STUDIO	Kids and families cinema theatre	100	88	18 Capri
VR RAFTING	Virtual Reality Rafting experience	2	10,5	18 Capri
YOUNG CLUB	Dedicated area for young (12-14 years)		83	18 Capri
MSC AUREA SPA	Use	Seats	Surface (m ²)	Deck
BARBER SHOP	Cut, dress, groom, style and shave			
BEAUTY SERVICES	Make-up room, waxing			
HAIR SALON	Cut, colour, style and other treatments for a personalised look			
MASSAGES & TREATMENTS	Massages, body treatments, facial treatments			
MEDI SPA CENTRE	Fillers, anti-aging and body shaping treatments			
MSC AUREA SPA RECEPTION	Reception desk and welcome area			
NAIL SALON	Complete, hour-long treatment that beautifies your hands and feet		2.300	8 Ocean Cay
SPA BOUTIQUE	Tailored shopping for haircare, skincare and beauty products from world-famous brands.			
THERMAL AREA	Dark/Bright Sensory Steam Bath, Geyser Kneipp, Finnish Sauna, Emotional showers, Salt Relax, Snow Room, Heated benches, Blower pool			
TOP 19 EXCLUSIVE SOLARIUM	Exclusive solarium with whirlpool bath for Aurea guests only			19 Sir Bani Yas
SPORT & FITNESS	Use	Seats	Surface (m ²)	Deck
MSC GYM POWERED BY TECHNOGYM®	Fitness centre		2.300	8 Ocean Cay
MSC SPORTS ARENA	Tennis, five-a-side football, volley, basketball	100	290	20 Portuguese Island
POOLS	Use	Seats	Surface (m ²)	Deck
INFINITY POOL	Lower pool	276	1.080	8 Ocean Cay
INFINITY WHIRLPOOLS	2 new whirlpool baths with up to 20 seats each	20		8 Ocean Cay
JUNGLE POOL LOUNGE	Pool with sliding roof	224	2.025	16 Bali / 18 Capri
MARINA POOL	Pool deck	304	2.200	18 Capri
PIRATES COVE AQUAPARK	Aquapark with waterplay area		915	18 Capri / 19 Sir Bani Yas

PIRATES COVE AQUAPARK



MSC AUREA SPA



CABIN TYPE



MSC YACHT CLUB ROYAL SUITE

MSC YACHT CLUB OWNER'S SUITE



OCEAN VIEW CABIN

 MSC YACHT CLUB

SUITE

BALCONY AUREA

BALCONY

OCEAN VIEW

INTERIOR

LEGEND



Cabin size (m²)



Balcony size (m²)



Deck location



Accommodating up to



MSC YACHT CLUB SUNDECK

MSC YACHT CLUB



MSC YACHT CLUB	Exclusive services	Seats	Surface (m ²)	Deck
CONCIERGE AREA	Reception with 24-hour concierge service			16 Bali
MSC AUREA SPA	Priority lift access to MSC Aurea Spa, 2 dedicated massage rooms		380	8 Ocean Cay
131 SUITES WITH BUTLER SERVICE	24-hour butler service			16 Bali 18 Capri 19 Sir Bani Yas
TOP SAIL LOUNGE	Panoramic lounge, indoor and outdoor bar	128	588	16 Bali
MSC YACHT CLUB RESTAURANT	Exclusive restaurant	180	330	18 Capri
MSC YACHT CLUB GRILL & BAR	Grill buffet and bar	56		
MSC YACHT CLUB POOL	Outdoor pool and outdoor whirlpool bath	219	2.024	20 Portuguese Island
MSC YACHT CLUB SUNDECK & POOL	Solarium and swimming pool area	427		

MSC YACHT CLUB RESTAURANT



MSC YACHT CLUB POOL

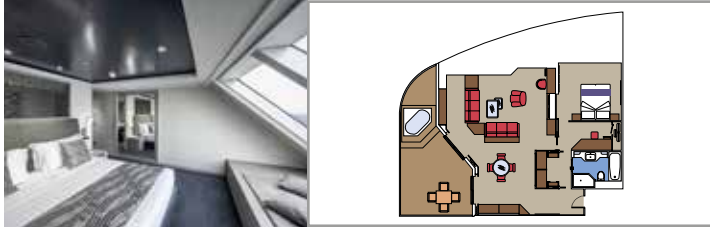


INCLUDED FACILITIES

- Luxury suites with premium interiors
- Some Suites have balcony with private whirlpool
- Spacious wardrobe
- Comfortable double bed or single beds (on request)
- Bathroom with shower and/or bathtub, vanity area with hairdryer
- Interactive TV, telephone, safe, mini bar and air conditioning
- Wi-Fi connection included

MSC YACHT CLUB OWNER'S SUITE YC4

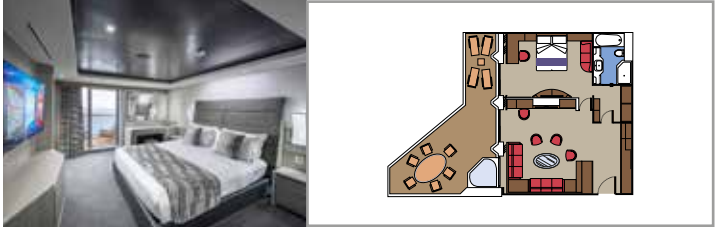
≈98 ≈25 19 4



- › Large balcony with private whirlpool bath and outdoor living area
- › Separate living area and dining room
- › Walk-in wardrobe and luggage storage
- › Panoramic glass wall

MSC YACHT CLUB ROYAL SUITE YC3

≈62 ≈33 16 4



- › Balcony with private whirlpool bath and dining table
- › Separate living area and dining room
- › Walk-in wardrobes

MSC YACHT CLUB DELUXE GRAND SUITE YCP

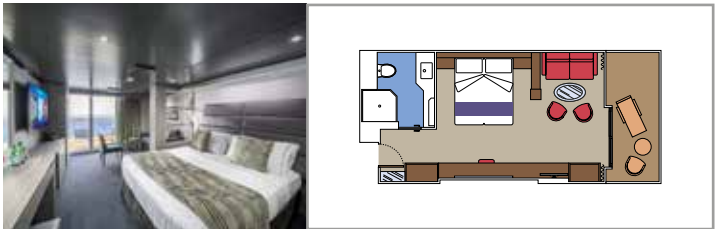
≈31-43 ≈8-21 16-19 5



- › Located on the top deck (except cabins 18019, 18018, 16027 and 16020).
- › Spacious balcony
- › Living area
- › Walk-in wardrobe

MSC YACHT CLUB DELUXE SUITE YC1

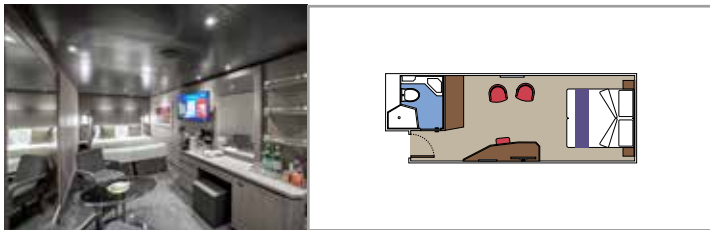
≈25 ≈8 16-19 5



- › Sitting area with sofa
- › Spacious wardrobe

MSC YACHT CLUB INTERIOR SUITE YIN

≈21 16-19 2



- › Spacious wardrobe

SUITE AUREA

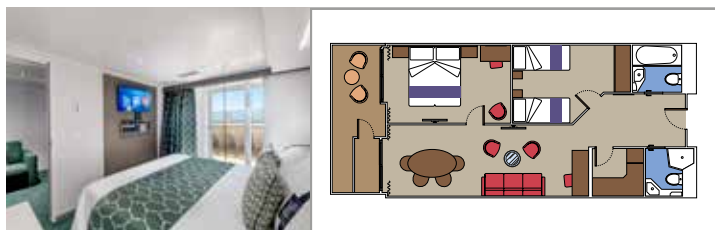
INCLUDED FACILITIES

- Some Suites have balcony with private whirlpool
- Sitting area with sofa
- Spacious wardrobe
- Comfortable double bed or single beds (on request)
- Bathroom with shower or bathtub, vanity area with hairdryer
- Interactive TV, telephone, safe, minibar and air conditioning
- Wi-Fi connection available (for a fee)

TWO-BEDROOM GRAND SUITE AUREA

SD



 ≈49
  ≈17
  11-14
  6

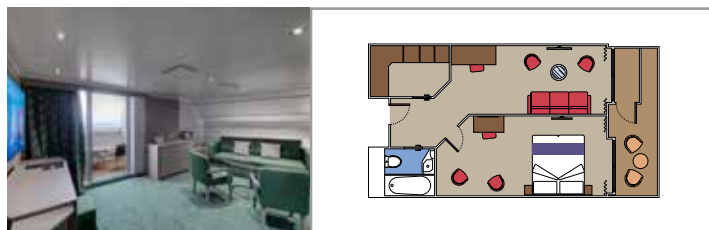


- > Sitting area with sofa or separate living area
- > Two bathrooms, one with bathtub and one with shower, vanity areas with hairdryers
- > 2 bedrooms, one with double bed and one with two single beds
- > Walk-in wardrobe

GRAND SUITE AUREA

SX

 ≈35-49
  ≈10-21
  9-13
  5

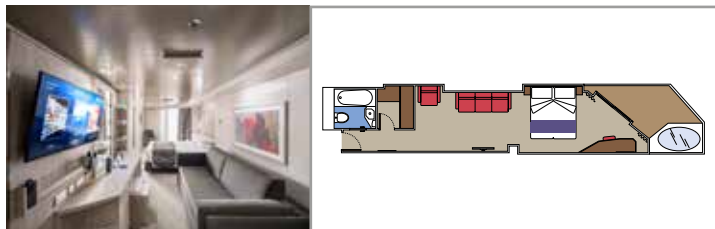


- > Sitting area with sofa or separate living area
- > Walk-in wardrobe

PREMIUM SUITE AUREA WITH WHIRLPOOL

SLW

 ≈28
  ≈7
  9-15
  5

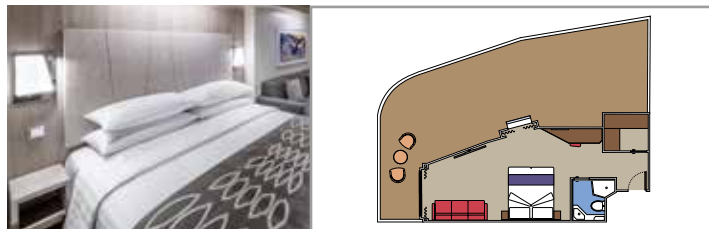


- > Balcony with private whirlpool bath
- > Sitting area with sofa
- > Spacious wardrobe

PREMIUM SUITE AUREA WITH TERRACE

SLT

 ≈28
  ≈38
  9
  2

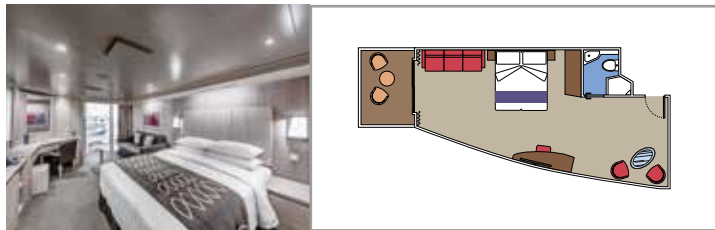


- > Sitting area with sofa
- > Spacious wardrobe

PREMIUM SUITE AUREA

SL1

 ≈26-32
  ≈9-14
  9-15
  4

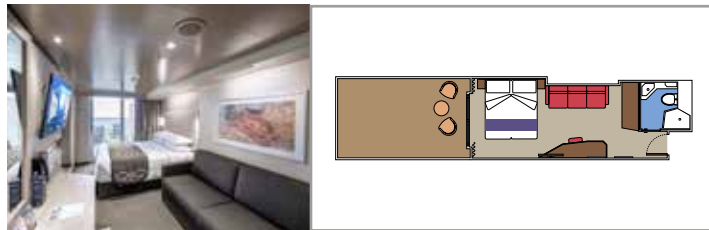


- > Sitting area with sofa
- > Spacious wardrobe

JUNIOR SUITE AUREA

SM

 ≈17
  ≈16
  9
  4



- > Sitting area with sofa
- > Spacious wardrobe

BALCONY

INCLUDED FACILITIES

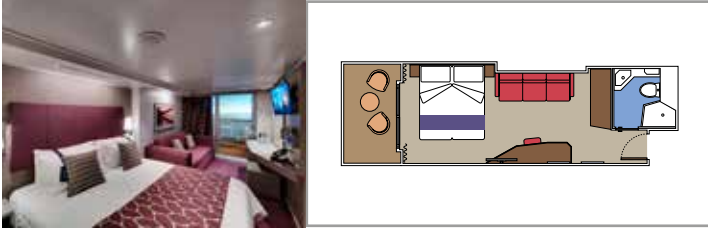
- Balcony*
- Sitting area with sofa
- Comfortable double bed or single beds (on request)
- Bathroom with shower or bathtub, vanity area with hairdryer
- Interactive TV, telephone, safe, minibar and air conditioning
- Wi-Fi connection available (for a fee)

*Some cabins have a metal balcony front, instead of glass.

BALCONY AUREA

BA

≈17
 ≈5-9
 9-15
 4

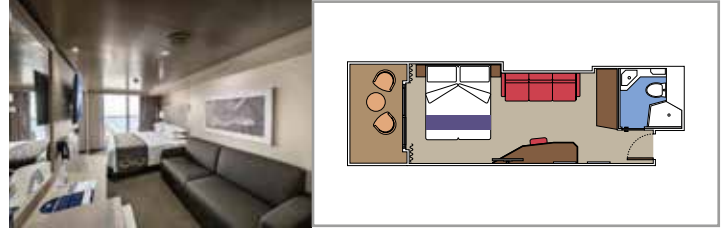


› Best ship position

DELUXE BALCONY

BR4

≈17
 ≈5-6
 15
 4

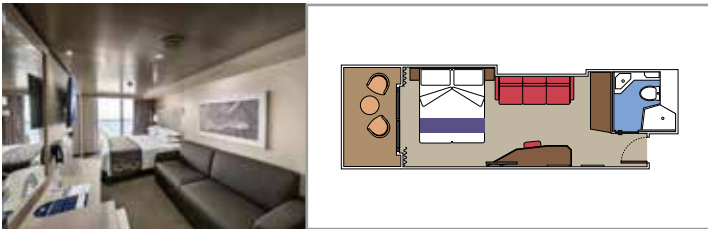


› Top deck location

DELUXE BALCONY

BR3

≈16-17
 ≈5-6
 13-14
 4

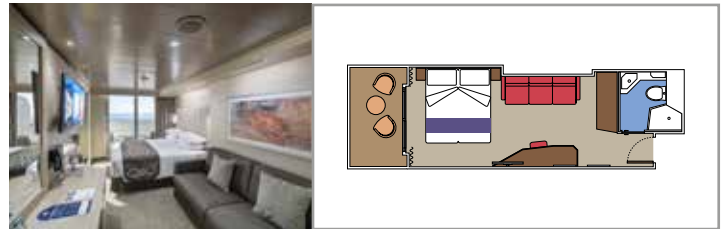


› High deck location

DELUXE BALCONY

BR2

≈16-17
 ≈5-6
 11-12
 4

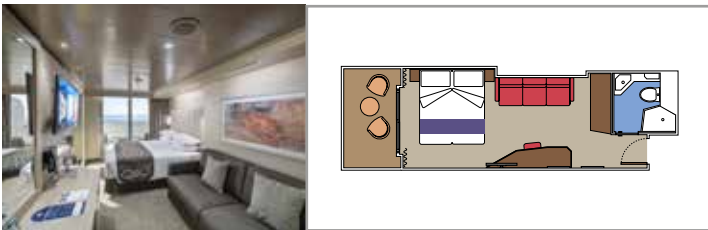


› Medium deck location

DELUXE BALCONY

BR1

≈16-17
 ≈5-9
 9-10
 4



› Low deck location

OCEAN VIEW

INCLUDED FACILITIES

Window with sea view

Comfortable double bed or single beds (on request)

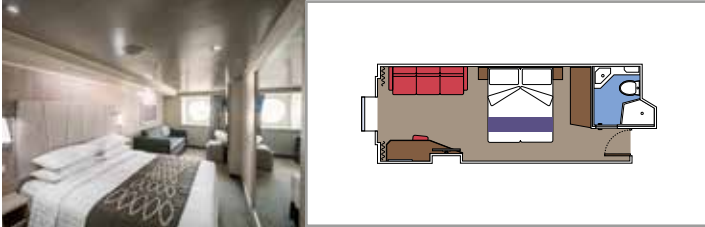
Bathroom with shower, vanity area with hairdryer

Interactive TV, telephone, safe, minibar and air conditioning

Wi-Fi connection available (for a fee)

DELUXE OCEAN VIEW

OR1



› Low deck location

INTERIOR

INCLUDED FACILITIES

Comfortable double bed or single beds (on request)*

Bathroom with shower, vanity area with hairdryer

Interactive TV, telephone, safe, minibar and air conditioning

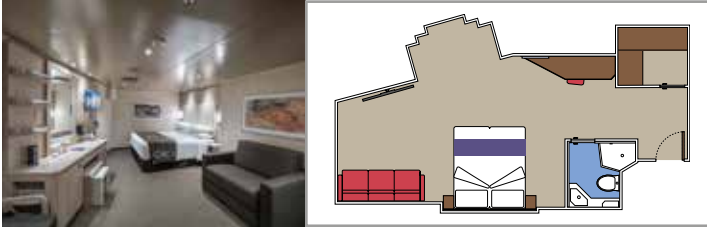
Wi-Fi connection available (for a fee)

* Some cabins for guests with disabilities or reduced mobility have twin beds that can't be converted into double beds.

PREMIUM INTERIOR

IL1

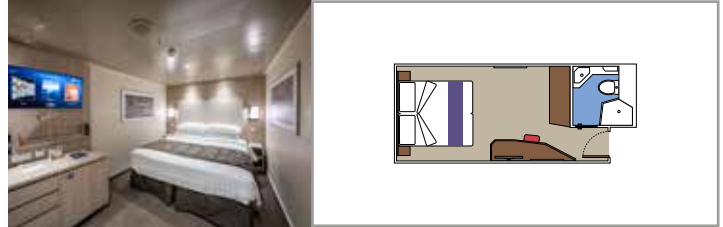
 ≈28  10  5



DELUXE INTERIOR

IR2

 ≈14-16  11-15  4

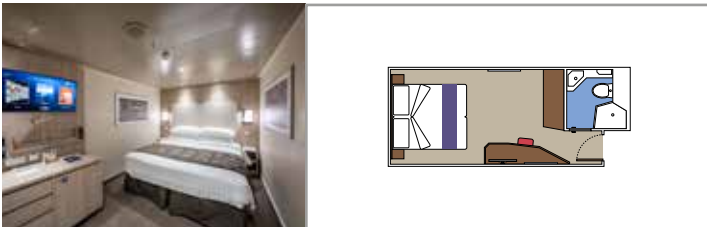


› Medium deck location

DELUXE INTERIOR

IR1

 ≈14  5-10  4



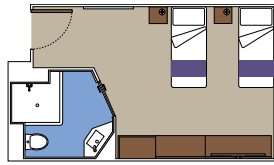
› Low deck location

FACILITIES FOR GUESTS WITH DISABILITIES OR REDUCED MOBILITY



BALCONY CABIN FOR GUESTS WITH DISABILITIES OR REDUCED MOBILITY

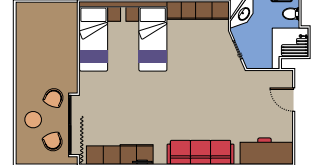
MSC YACHT CLUB



Available in:

- › **MSC Yacht Club Deluxe Grand Suite (YCP)**
cabin size 33m²; balcony size 25m²; deck 19
- › **MSC Yacht Club Deluxe Suite (YC1)**
cabin size 33m²; balcony size 25m²; deck 18
- › **MSC Yacht Club Interior Suite (YIN)**
cabin size 21m²; deck 16-19

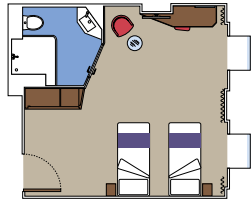
BALCONY



Available in:

- › **Balcony Aurea (BA)**
cabin size 26m²; balcony size 14m²; best ship location
- › **Deluxe Balcony**
cabin size 26m²; balcony size 7m²;
(BR4) top deck location (deck 15); **(BR3)** high deck location (deck 13-14)
(BR2) Medium deck location (deck 11-12); **(BR1)** low deck location (deck 10)

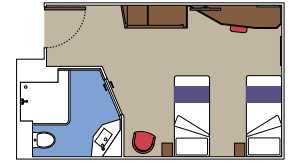
OCEAN VIEW



Available in:

- › **Deluxe Ocean View (OR1)**
cabin size 26m²; low deck location (deck 5)

INTERIOR



Available in:

- › **Deluxe Interior (IR2)**
cabin size 16-21m²; deck 5-15

Some cabins for guests with disabilities or reduced mobility have twin beds that can't be converted into double beds. The images are representative only; the size, layout and furniture may vary (within the same cabin category).

FACILITIES FOR GUESTS WITH DISABILITIES OR REDUCED MOBILITY

Cabin door width	90 cm
Bathroom door width	88 cm
Size of cabin (floor space)	16 to ≈ 33 m ²
Size of bathroom	4 m ² , except cabins 9093 (2 m ²) and 14233 (3 m ²)
Is there a fold-down seat in the shower?	Yes
Height of seat from the floor	44 cm
Does the WC seat have grab rails?	Yes
Are wheelchairs available on board?	In limited numbers*
Are all decks/public areas accessible?	Yes
Are all lifeboats wheelchair-accessible?	No**
Do the lifts have deck indicators?	Visual - Audio & Braille; Braille on hand rails at stair landings, cabin doors, and directional signs
Can severely visually impaired/blind guests be catered for on the cruise?	Only with full-time carer

* Only for embarkation, disembarkation and emergencies.

** In the event of an emergency, dedicated personnel will help guests with disabilities or reduced mobility to board lifeboats.

DECK PLANS & ACCOMMODATIONS

2.270 CABINS
5.877 GUESTS



MSC YACHT CLUB OWNER'S SUITE

LEGEND

▲	Sofa bed
◆	Double sofa bed
■	3 rd bed is a pullman bed
■ ■	3 rd and 4 th beds are pullman beds
● ●	Bunk bed or sofa that can be converted into bunk bed (3 rd and 4 th beds); bunk beds are not suitable for children under the age of 6.
↔	Connecting cabins
H	Cabin for guests with disabilities or reduced mobility
BS	Cabin with bathtub and shower
⦿	Cabin with obstructed view
T	Terrace
⊞	Terrace with whirlpool bath
W	Balcony with whirlpool bath
□	Balcony with metal balustrade
□	Balcony with half glass half metal balustrade

CABIN CATEGORIES

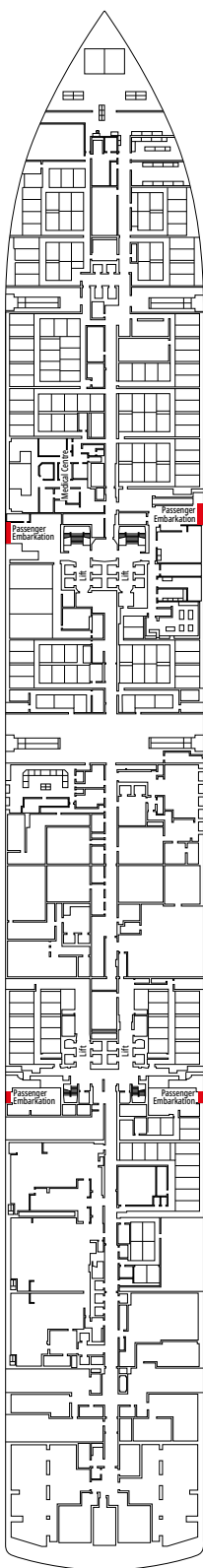
MSC Yacht Club Owner's Suite	YC4	19
MSC Yacht Club Royal Suite	YC3	16
MSC Yacht Club Deluxe Grand Suite	YCP	16-19
MSC Yacht Club Deluxe Suite	YC1	16-19
MSC Yacht Club Interior Suite	YIN	16-18
Two-Bedroom Grand Suite Aurea	SD	11-14
Grand Suite Aurea	SX	9-13
Premium Suite Aurea with Whirlpool	SLW	9-15
Premium Suite Aurea with Terrace	SLT	9
Premium Suite Aurea	SL1	9-15
Junior Suite Aurea	SM	9
Balcony Aurea	BA	9-15
Deluxe Balcony	BR4	15
Deluxe Balcony	BR3	13-14
Deluxe Balcony	BR2	11-12
Deluxe Balcony	BR1	9-10
Deluxe Ocean View	OR1	5
Premium Interior	IL1	10
Deluxe Interior	IR2	5-15
Deluxe Interior	IR1	5-10

- Our ships offer the possibility of combining 2 or 3 connecting cabins.
- All cabins have one double bed convertible to two single beds except in YC3 and in cabins for guests with disabilities or reduced mobility (H).
- 3rd and 4th beds available in all categories except for SLT and YIN.
- 5th bed available in IL1, SLW, SX, YC1 and YCP.
- 6th bed available in SD (cabins 11001, 12001 and 14001 have two double beds and one double sofa bed).

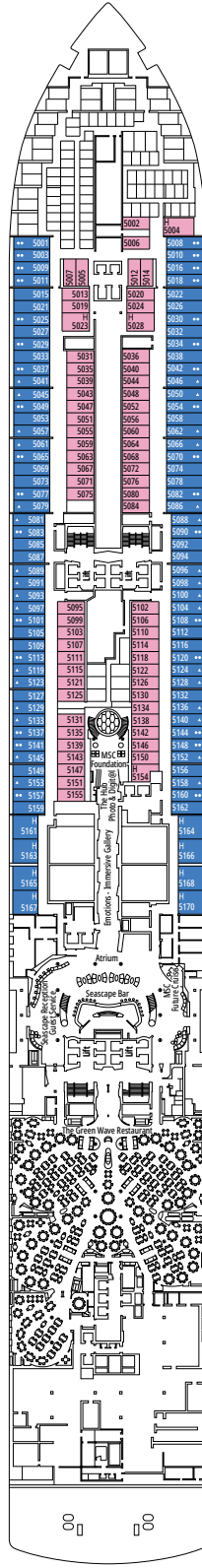


VENCHI 1878 CHOCOLATE BAR

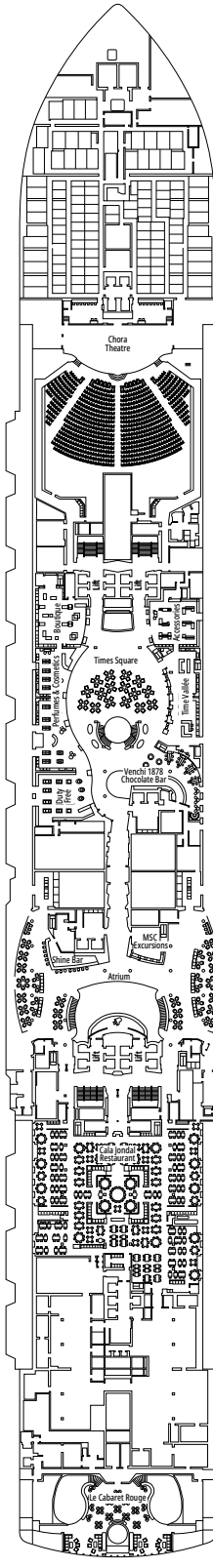
MARKETPLACE BUFFET & RESTAURANT



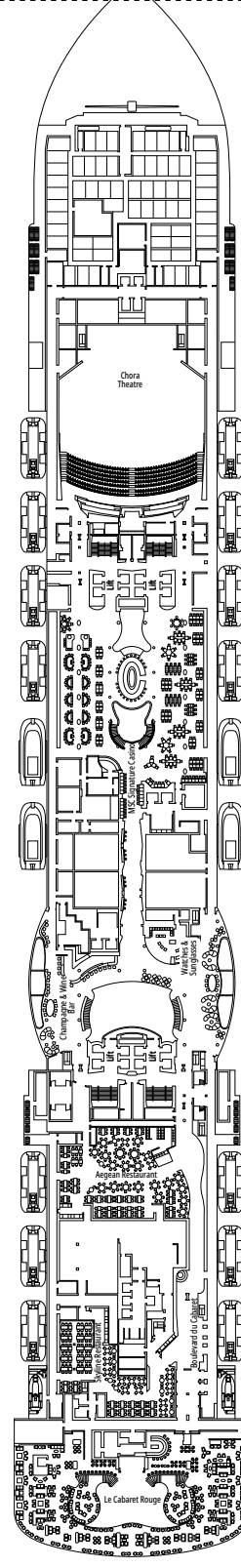
DECK 4
PHI PHI ISLAND



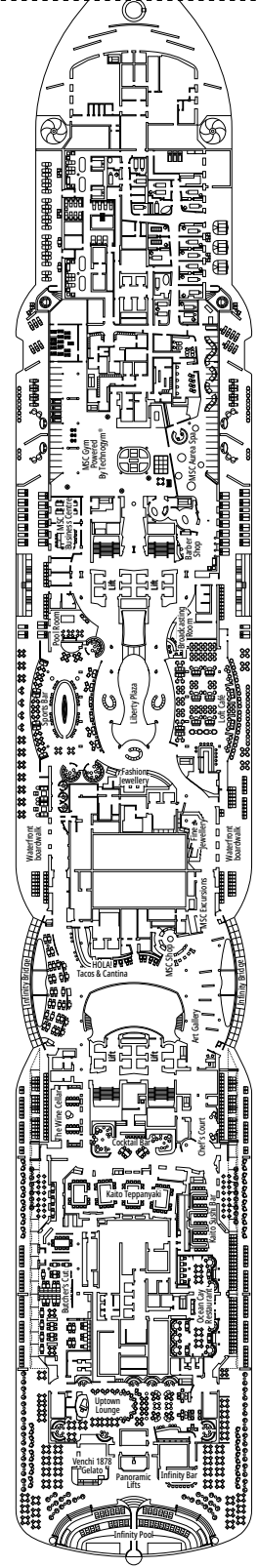
DECK 5
ILHABELA



DECK 6
IBIZA



DECK 7
MYKONOS

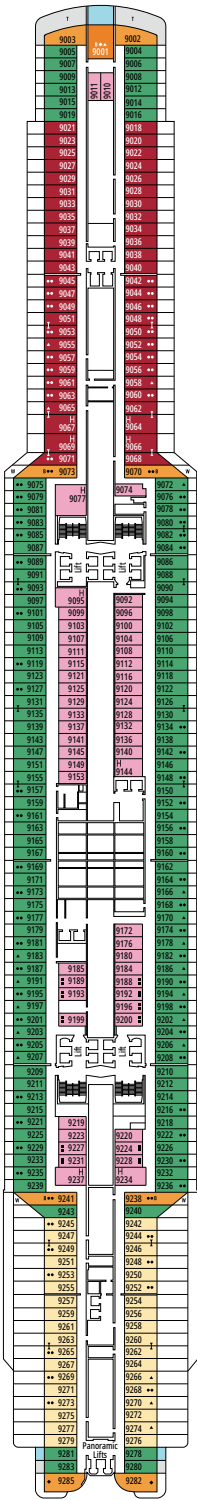


DECK 8
OCEAN CAY

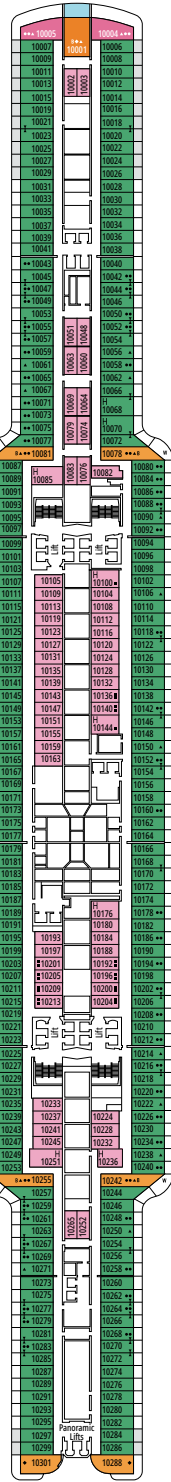


HOLA! TACOS & CANTINA

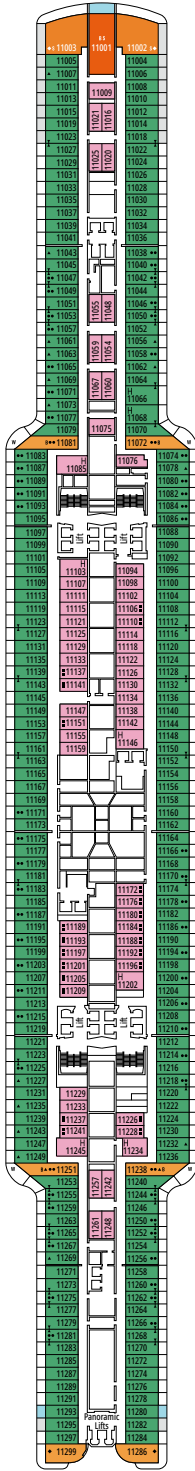
BRIDGE OF SIGHS



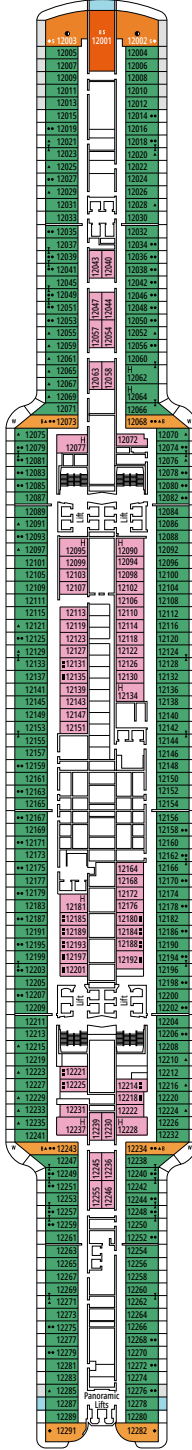
DECK 9
GOZO



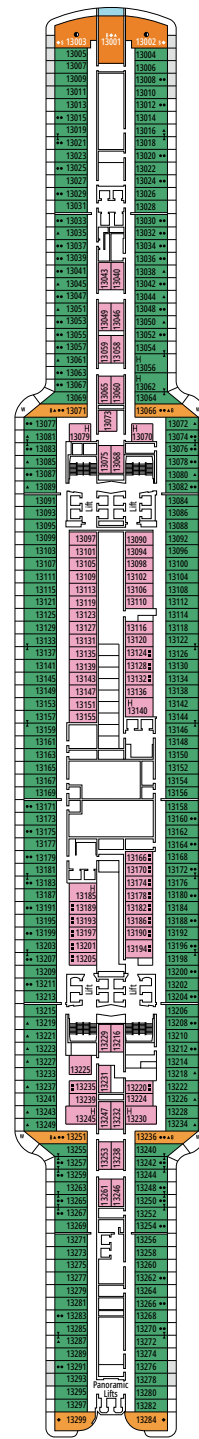
DECK 10
TASMANIA



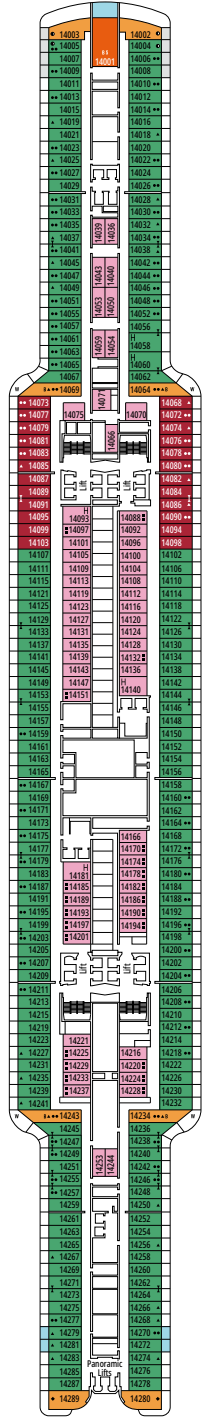
DECK 11
PALAWAN



DECK 12
PORQUEROLLES



DECK 13
COZUMEL

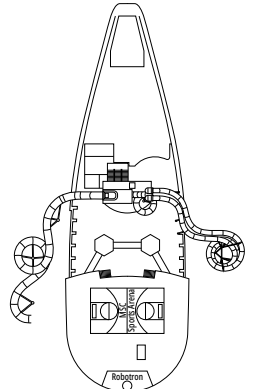
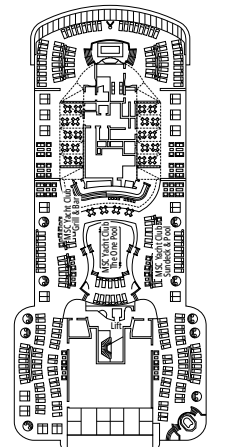
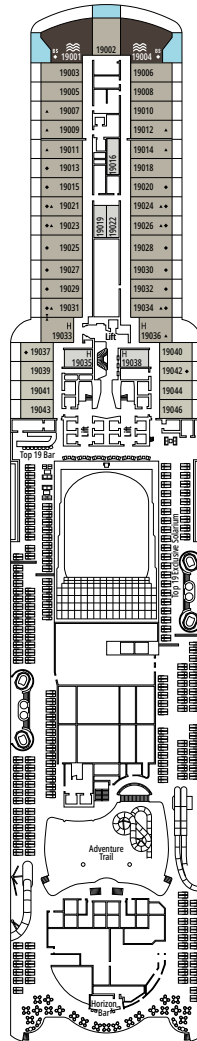
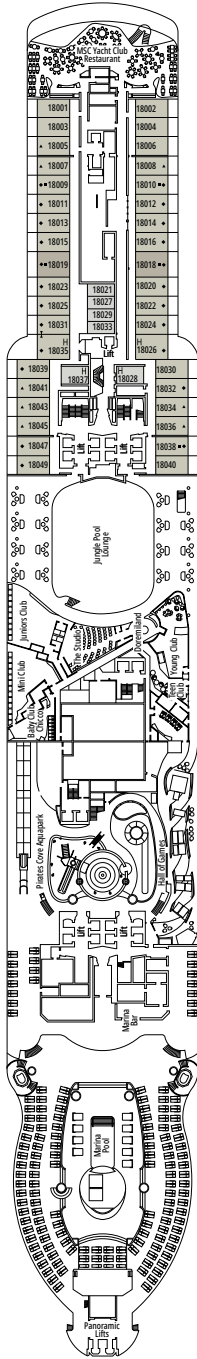
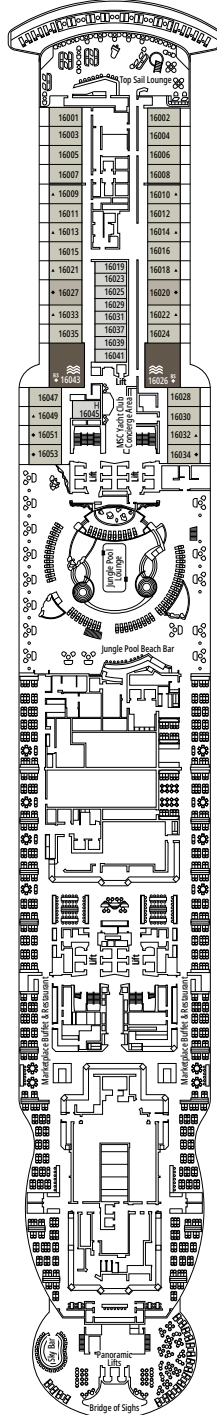
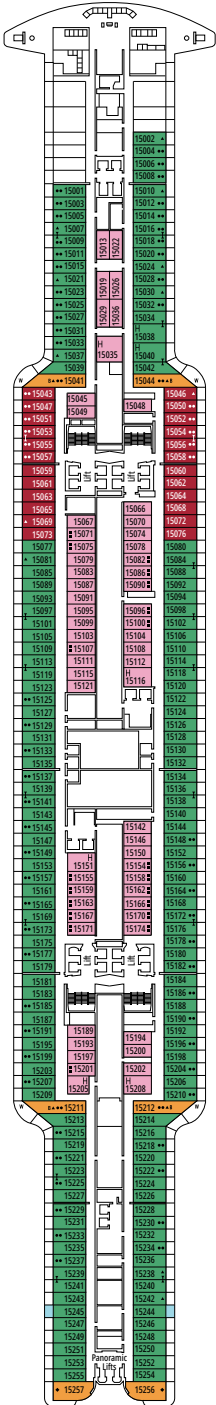


DECK 14
MAUI



MSC SPORTS ARENA

MSC AUREA BAR



DECK 15
OKINAWA

DECK 16
BALI

DECK 18
CAPRI

DECK 19
SIR BANI YAS

DECK 20
PORTUGUESE ISLAND

