

Professional Design
Build And Install The Marine Elevator
Tailored To Meet Your Needs



**NICE Marine & Offshore
Lift Solutions Co., Ltd.**



ABOUT US

www.nice-elevator.eu

NICE Marine & Offshore Lift Solutions Co., Ltd. provides the Lift solutions for Marine and Offshore areas from UK, and Long Term Cooperating with Lift Emotion Offshore & Industry B.V. We focus on customized elevators for many years with rich experiences in this area. we provide comfortable and safe travel feeling in vertical space of vessel. And master understand the classification society Rules(incl. ABS, DNVGL, BV, CCS, etc.) and MODU code for offshore. we can provide all kinds of lift solutions in any environment for marine and offshore markets, which can fully comply with the standard of ISO8383,EN81, and NORSOK. Main products including, Personal elevator, Cargo lift(Hydraulic type & Rack and Pinion type), Dumbwaiter, and all kinds of customized elevators.

We follow the ISO9001 project management program strictly to make sure each project having the high quality performance, and the project progress under control all the time. We provide turn-key solutions including the technical support during design stage, technical communication with Clients and Classification societies, the product manufacture, transportation, installation, commissioning, so that we keep our product having nice performance all the time.

BENEFITS FOR CUSTOMER:

- Less space but high efficiency
- VVVF drive with microprocessor control
- Less interface with custom easy installation
- High quality standard for each process.
- ISO standard, no need for special tools.



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OUR ELEVATOR

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MAIN COMPONENTS



CONTROL SYSTEM

PARTICULAR ELEVATOR CONTROL SYSTEM KEEPS ELEVATORS TRAVELLING STABLE AT SEA. MAIN CONTROL COMPONENTS ARE FROM ABB OR SIEMENS



THE TRACTION MACHINE

THE TRACTION MACHINE, WHICH CAN BE LOCATED ON THE TOP, BELOW OR SIDE OF TRUCK ACCORDING TO THE REQUIREMENT OF CLIENT, COMBINED MOTOR AND GEAR TOGETHER, EASY FOR INSTALLATION.



MOTOR FOR MARINE ELEVATOR

- MOTOR PROTECTION: IP 23, IP 44 & IP 54
- INSULATION CLASS: F CLASS
- STARTING TIMES(2BC): 180 TIMES/HOUR
- AMBIENT TEMPERATURE: 0 - 45°C
- VARIATION VOLTAGE: +6%~ -10% AT RATED VOLTAGE
- VARIATION FREQUENCY: 2.5% AT RATED FREQUENCY



LANDING DOORS

ALL TYPES OF NICE ELEVATOR LANDING DOORS ARE DESIGNED ESPECIALLY FOR MARINE ELEVATORS, INCLUDING NORMAL DOOR AND FIRE PROOF L DOOR (A-0,A-60). WITH AUTHORITY THIRD PART CERTIFICATE ACCORDING TO SOLAS REQUIREMENT

OUR ELEVATOR

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SAFETY DEVICES

DOOR INTERLOCK

EACH LANDING DOOR IS PROVIDED WITH A MECHANICAL LOCK CONNECTED IN SERIES WITH SAFETY CIRCUIT. HENCE, THE ELEVATOR CAR CANNOT BE STARTED OR KEPT IN MOTION UNLESS EVERY LANDING DOOR IS FULLY CLOSED AND LOCKED IN COMPLIANCE WITH SAFETY REQUIREMENTS.

OVERSPEED GOVERNOR

IF THE CAR TRAVELLING SPEED EXCEEDS THE SPECIFIED UPPERLIMIT, THE SPEED GOVERNOR IS ACTIVATED. TURNING OFF THE DRIVE MOTOR AND ACTIVATING THE SAFETY GEAR ON OUTER FRAME OF THE CAR WHEREBY THE CAR IS STOPPED AND SECURED TO THE RAILS.

SAFETY GEAR(FOR CAR AND CWT)

SAFETY GEARS FOR CAR AND COUNTERWEIGHT ARE PROVIDED UNDER THE CAR AND COUNTERWEIGHT. AT THE MOMENT OF EMERGENCY CASE (EG.DROPPING THE CAR OR COUNTERWEIGHT), THE SAFETY GEAR RELATED WITH SPEED GOVERNOR IS OPERATED WITH GRIPPING THE GUIDE RAILS.

CAR DOOR SWITCH

THIS SWITCH PREVENTS THE CAR FROM STARTING UNLESS THE CAR DOORS ARE COMPLETELY CLOSED.

EMERGENCY EXIT SWITCH

IF THE EMERGENCY EXIT DOOR IN THE CAR ROOF IS OPENED,THE POWER WOULD BE DISCONNECTED TO PREVENT FROM THE CAR MOVING.

BRAKING SYSTEM

AT THE MOMENT WHEN THE DRIVE MOTOR IS TURNED OFF, A SPRING LOADED DC MAGNETIC BRAKE IS APPLIED TO THE MOTOR.

EMERGENCY LIGHT

THIS LIGHT PROVIDED IN THE CAR IS ILLUMINATED AS SOON AS POWER FAILURE TAKING PLACE.

BUFFER(FOR CAR AND CWT)

SPRING BUFFERS ARE MOUNTED IN THE ELEVATOR PIT AREA AT THE BOTTOM OF THE ELEVATOR TRUNK, UNDER THE CAR AND COUNTERWEIGHT.

NEW DEVICE (OPTION)

MARINE ELEVATOR EMERGENCY ESCAPE DEVICE(MEEED) . IN CASE AN ELEVATOR POWER OFF OR AN ELEVATOR OUT OF ORDER SUDDENLY, THE DEVICE MICROPROCESSOR CAN CHECK SAFETY SYSTEM, IF SAFETY CONDITION ALLOWED, THE CAR WILL BE DRIVEN TO DEFINED DECK . DURING THIS PERIOD, THE VOICE FROM SPEAKER CAN GUIDE TRAPPED PASSENGERS TO GO OUT OF THE ELEVATOR.



NICE MARINE &
OFFSHORE LIFT
SOLUTIONS CO.,LTD

PARAMETER

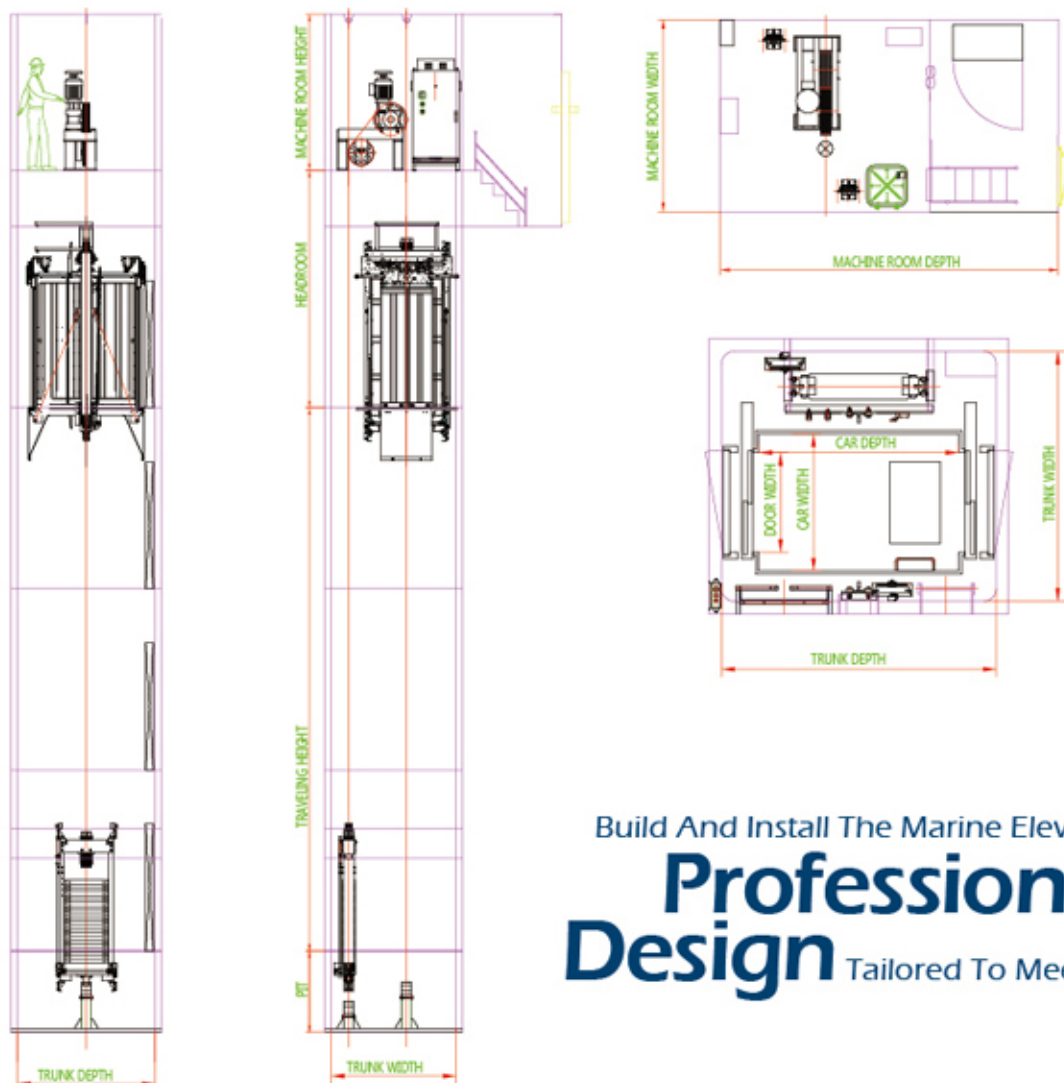
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TOP MACHINE ROOM STANDARD DIMENSIONS

Rate Load	Kg	320	400	630	800	1000	1600
Persons		4	5	8	10	13	21
Speed	m/s	0.40, 0.63, 0.80, 1.0					
Car	WxD mm	900x1000	1100x1000	1000x1400	1350x1400	1400x1600	1400x2400
	Height mm	2100, 2200					
Trunk	Width mm	2000x1600	2100x1600	2100x2000	2400x2000	2500x2200	2500x3000
Car Door & Landing Door	Width mm	700	800			900	
	Height mm	2000, 2050, 2100					
	Type	Central Opening, Side Opening, Swing Door A0, A60					
Pit Depth	mm	1400			1600		
Headroom	mm	3800					
Machine Room	Width mm	2500, Door Width≥800					
	Depth mm	2000					
	Height mm	2500, Door Height≥1800					

Note:

1. The trunk dimension is trunk clear dimension excluding stiffener dimension.
2. The swing door only used for landing door manually operated.
3. The pit and headroom dimension not include structure dimension.



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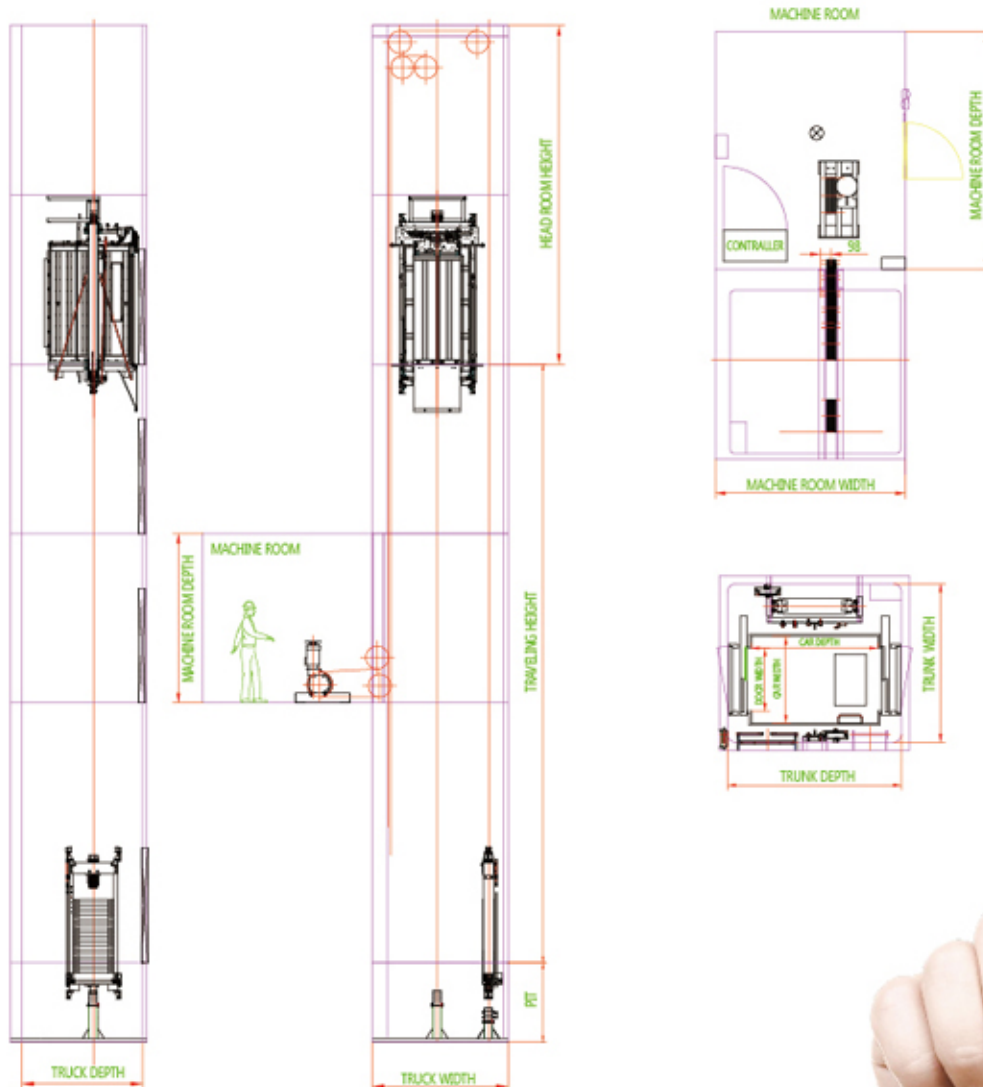
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SIDE MACHINE ROOM STANDARD DIMENSIONS

Rate Load	Kg	320	400	630	800	1000	1600
Persons		4	5	8	10	13	21
Speed	m/s	0.40, 0.63, 0.80, 1.0					
Car	WxD mm	900x1000	1100x1000	1000x1400	1350x1400	1400x1600	1400x2400
	Height mm	2100, 2200					
Trunk	Width mm	2000x1600	2100x1600	2100x2000	2400x2000	2500x2200	2500x3000
Car Door & Landing Door	Width mm	700	800			900	
	Height mm	2000, 2050, 2100					
	Type	Central Opening, Side Opening, Swing Door A0, A60					
Pit Depth	mm	1400			1600		
Headroom	mm	4300					
Machine Room	Width mm	2700, Door Width≥800					
	Depth mm	2000					
	Height mm	3000, Door Height≥1800					

Note:

1. The trunk dimension is trunk clear dimension excluding stiffener dimension.
2. The swing door only used for landing door manually operated.
3. The pit and headroom dimension not include structure dimension.



SERVICE

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YOU CAN CONTACT US ALL OVER THE WORLD



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