



# Di High rise Elevator

Part	Machine Room
Ctrl. No.	DI(H)-MT-01-0
Page	1/27
Date	Oct. 2005

**FOD**  
Overseas Support Team

## Field Maintenance

### Index

#### Part 2 – Machine Room

<b>1</b>	<b><i>Safety in machine room</i></b>	<b>3</b>
<b>2</b>	<b><i>Machine room</i></b>	<b>4</b>
2.1	Maintenance point in Machine room	4
2.2	Cleanliness	4
2.3	Lock	4
2.4	Light switch & illumination	5
2.5	Temperature	5
2.6	Ventilation	5
2.7	Brake lever & manual handle	5
<b>3</b>	<b><i>Main Supply Switch</i></b>	<b>6</b>
3.1	Maintenance point of main supply switch	6
3.2	Indication voltage	7
3.3	Looseness, damage	7
3.4	Vibration, heat	7
3.5	Fuse	7
<b>4</b>	<b><i>Interphone</i></b>	<b>8</b>
4.1	Transmit, reception	8
4.2	Indication voltage	8
<b>5</b>	<b><i>Traction machine motor</i></b>	<b>9</b>
5.1	Maintenance point at traction machine motor	9
5.2	Wire connections	9
5.3	Resistance to earth	9
5.4	Noise, vibration, heat	9
<b>6</b>	<b><i>Rotary encoder</i></b>	<b>10</b>



# Di High rise Elevator

Part	Machine Room
Ctrl. No.	DI(H)-MT-01-0
Page	2/27
Date	Oct. 2005

**FOD**  
Overseas Support Team

## Field Maintenance

6.1	Maintenance point in rotary encoder	10
6.2	Noise, vibration, heat	10
6.3	Wire connections, pipe	10
7	<i>Traction machine</i>	11
7.1	Maintenance point at traction machine	11
7.2	Looseness, alignment of sheave and pulley	11
7.3	Rubber compression	12
7.4	Grease on bearings	12
7.5	Oil level, replace	12
7.6	Rope Wear	13
7.7	Wear of sheave grooves and rope replacement	15
7.8	Noise, vibration, heat	17
8	<i>Brake</i>	18
8.1	Maintenance point at brake	18
8.2	Brake structure	19
9	<i>Governor</i>	22
9.1	Maintenance point at governor	22
9.2	Structure of governor	23
9.3	Looseness, rotation, alignment	25
9.4	Cleanliness	25
9.5	Tripping test	25
9.6	Lubrication on link	27

Part	Machine Room
Ctrl. No.	DI(H)-MT-01-0
Page	3/27
Date	Oct. 2005

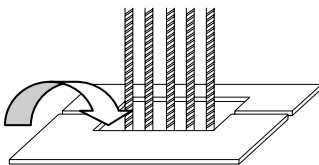
### 1 Safety in machine room



**Caution**



☞ Take care your head and steps, you may hurt or fall down



☞ Don't drop anything to holes in machine room.



☞ Do not approach to rotating devices

**Safety**



Part	Machine Room
Ctrl. No.	DI(H)-MT-01-0
Page	4/27
Date	Oct. 2005

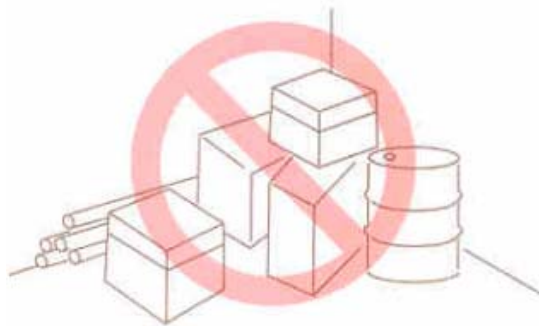
### 2 Machine room

#### 2.1 Maintenance point in Machine room

Check Point	Tool & Method	Standards	Cycle
Cleanliness	Vacuum cleaner /Eye check		1 M
Lock	Key		1 M
Light switch & illumination	Illuminometer	Over 100 Lux	1 M
Temperature	Thermometer	-10 ~ +40 °C	1 M
Ventilation	Eye check		1 M
Brake lever Manual handle	Eye check		1 M

#### 2.2 Cleanliness

Keep the entrance area clean and tidy. If the objects block entrance or corridors, ask to owner to remove them.



#### 2.3 Lock

Always the door of machine room should be locked



Machine room

Part	Machine Room
Ctrl. No.	DI(H)-MT-01-0
Page	5/27
Date	Oct. 2005

## Field Maintenance

### 2.4 Light switch & illumination

Check if the light function is normal and illumination is over 100 Lux.

### 2.5 Temperature

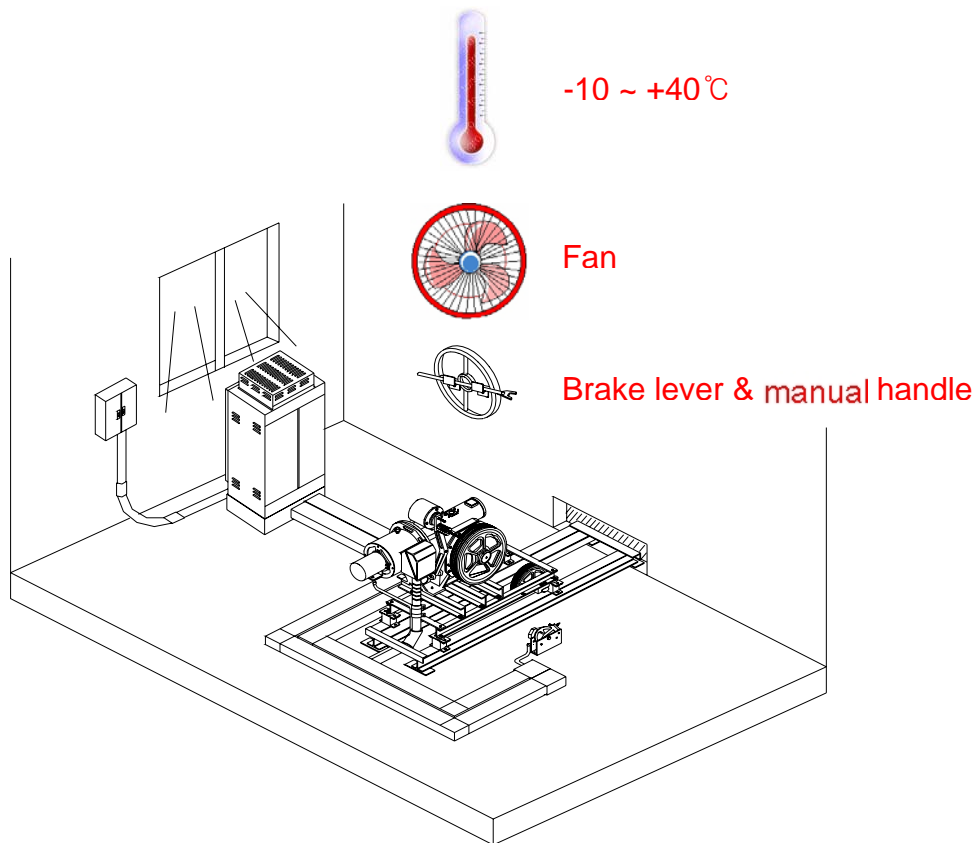
Keep the machine room at a fixed temperature to be  $-10 \sim +40^{\circ}\text{C}$ .

### 2.6 Ventilation

Check the fan function and noise.

### 2.7 Brake lever & manual handle

Check the brake lever and manual handle on the wall



Part	Machine Room
Ctrl. No.	DI(H)-MT-01-0
Page	6/27
Date	Oct. 2005

### 3 Main Supply Switch



**Caution**



# LOCKOUTS

☞ Before you start the maintenance work, turn off the main switch.

☞ Lock – Out the switch so that it cannot be turned on again by accident.

#### 3.1 Maintenance point of main supply switch

Check Point	Tool & Method	Standards	Cycle
Indication voltage	Tester	-10 ~ 10% (Including start drop)	1 M
Looseness, damage	Spanner, screw driver		1 M
Vibration, heat	Hands, eye		1 M
Fuse	Eye, tester		1 M

**Safety**



以上内容仅为本文档的试下载部分，为可阅读页数的一半内容。如要下载或阅读全文，请访问：<https://d.book118.com/315104130101011202>