



# 2. Jaso Tower Cranes – Profile



<b>JASO TOWER CRANE</b>	
Tower crane for constructive works erected by parts	
<b>Appliance classification:</b> according to FEM 1001	
Using type	<b>U 4</b>
Maximum number of working cycles	<b>2,5 x 10<sup>5</sup></b>
Load	<b>Q 2</b>
Machine classification	<b>A 4</b>
<b>Mechanisms classification:</b> according to FEM 1001	

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Table T.2.1.2.5. - Guidance for group classification of appliances

Reference	Type of appliance Designation	Particulars concerning nature of use (1)	Appliance group (see 2.1.2.4.)
1	Hand-operated appliances		A1 - A2
2	Erection cranes		A1 - A2
3	Erection and dismantling cranes for power		

20	Tower cranes for building		A3 - A4
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Load spectrum class	Class of utilization					
	U0	U1	U2	U3	U4	U5
Q1	A1	A1	A1	A2	A3	A4
Q2	A1	A1	A2	A3	A4	A5

Hoisting Cycles per hour	<b>6</b>
Hoisting Cycles per day	<b>48</b>
Days per year (50 weeks x 5 days)	<b>250</b>
Typical standard use (n° of cycles)	<b>12.000</b>
Utilization	<b>70%</b>

➤ **JASO Cranes designed to Class A4**

### Machinery Class A3

Using Tpe/ Load spectrum	<b>Q2</b>
Maximum number Hoisting cycles	<b>U3 125.000</b>
Utilization	<b>70%</b>
Design life of Tower crane in years	<b>14,8</b>

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### Machinery Class A4 (JASO)

Using Tpe/ Load spectrum	<b>Q2</b>
Maximum number Hoisting cycles	<b>U4 250.000</b>
Utilization	<b>70%</b>
Design life of Tower crane in years	<b>29,8</b>