

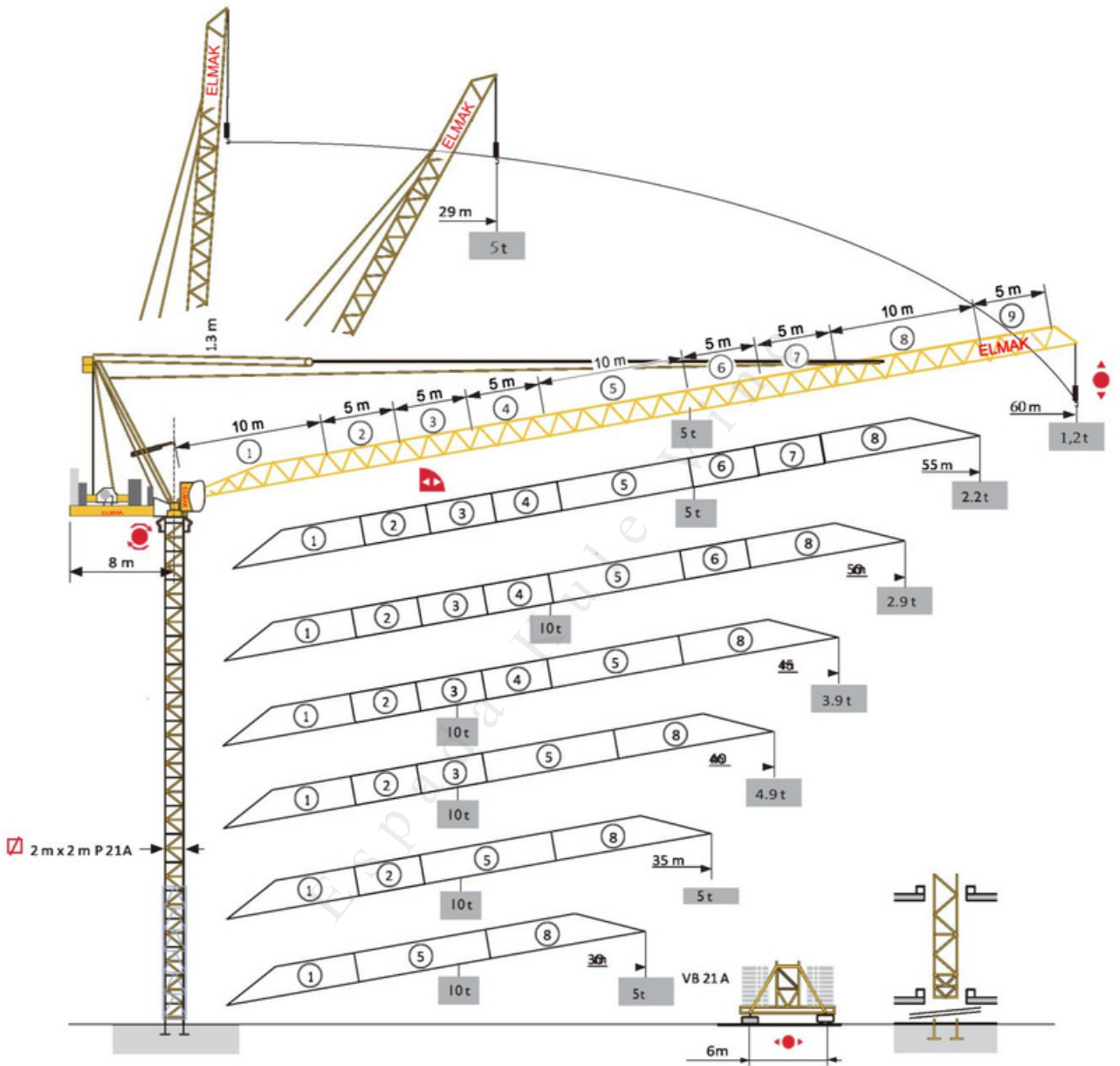


**ESPADA**

# LUFFING TOWER CRANE

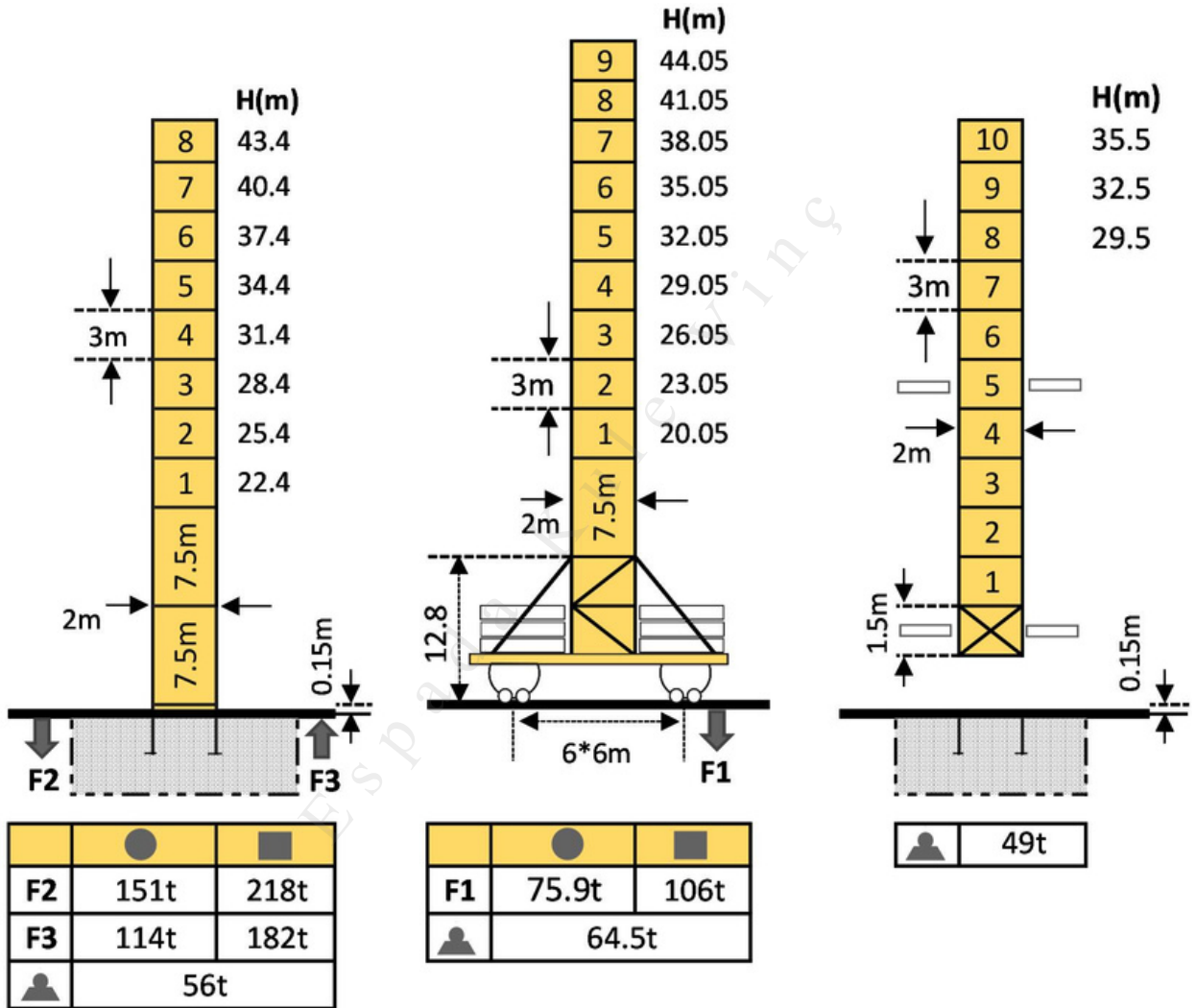
[www.espada-tr.com](http://www.espada-tr.com)

**ESL6012-10**





## Mast-Reaction



👤 Total weight of free standing height(exclude counter weight ballast)



In service



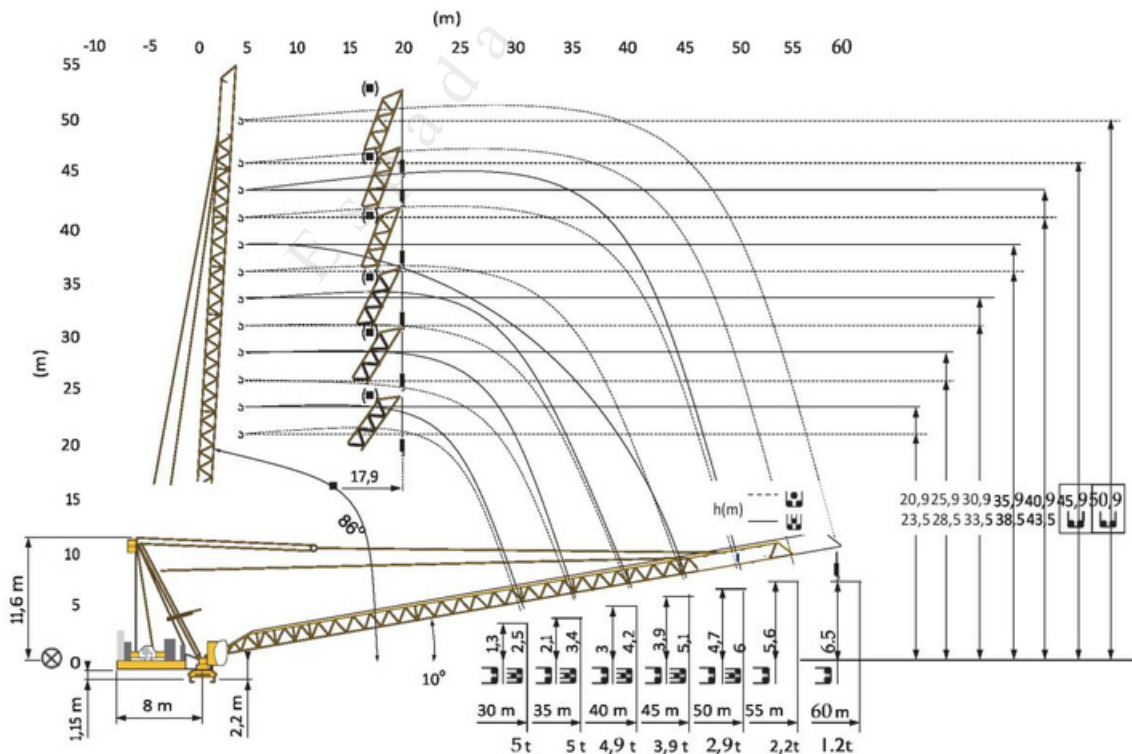
Out of service

F Reactions

## Loading Diagrams

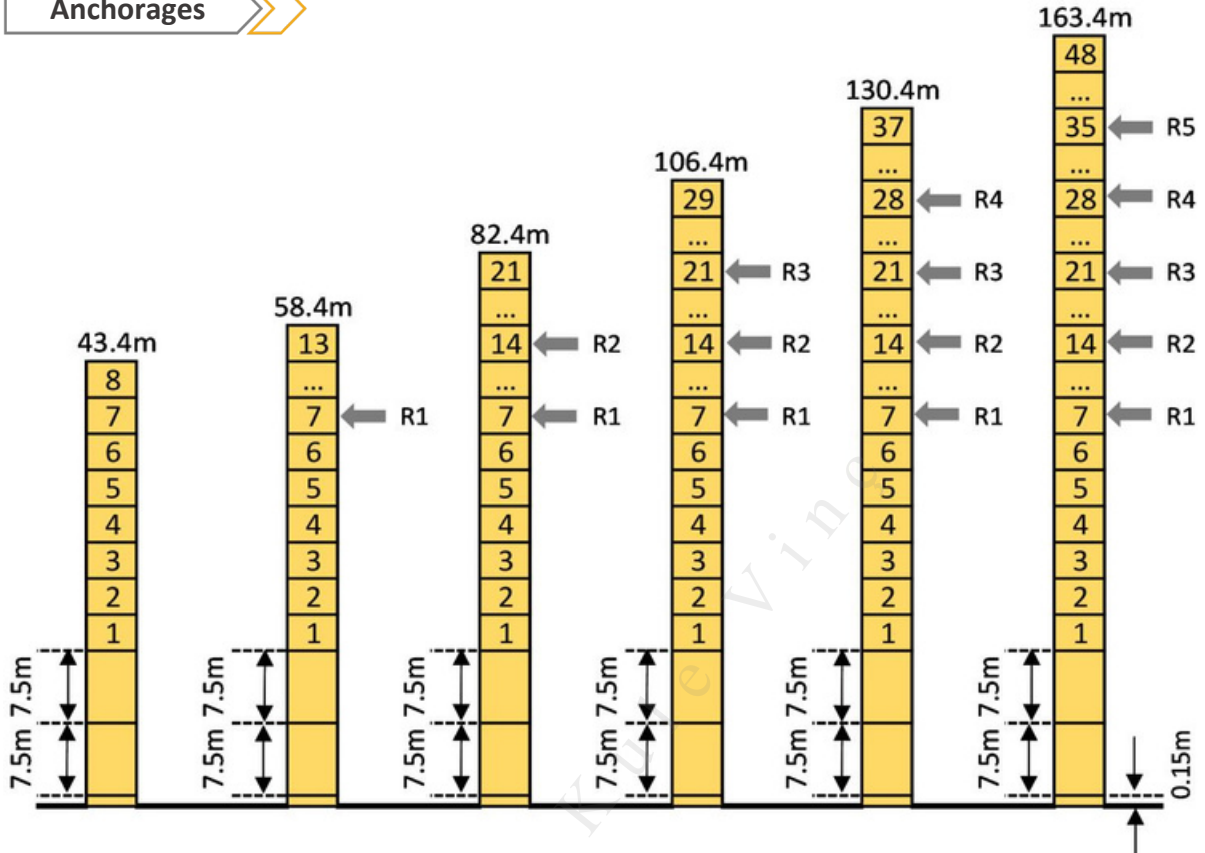
| 60m                                                                               | 5.3 > | 10.0 | 15.0 | 20.0 | 25.0 | 30.0 | 35.0 | 40.0 | 45.0 | 50.0 | 55.0 | 60.0 | m |
|-----------------------------------------------------------------------------------|-------|------|------|------|------|------|------|------|------|------|------|------|---|
|  |       | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 3.86 | 2.97 | 2.26 | 1.68 | 1.20 | t |
| 55m                                                                               | 5.3 > | 10.0 | 15.0 | 22.0 | 25.0 | 30.0 | 35.0 | 40.0 | 45.0 | 50.0 | 55.0 |      | m |
|  |       | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 4.50 | 3.50 | 2.80 | 2.20 |      | t |
| 50m                                                                               | 4.9 > | 23.0 | 25.0 | 27.0 | 30.0 | 34.0 | 37.0 | 40.0 | 45.0 | 50.0 |      |      | m |
|  |       | 10.0 | 9.40 | 8.10 | 7.10 | 5.80 | 5.00 | 4.30 | 3.40 | 2.70 |      |      | t |
|                                                                                   |       | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 4.50 | 3.60 | 2.90 |      |      | t |
| 45m                                                                               | 4.4 > | 10.0 | 25.0 | 27.0 | 30.0 | 32.0 | 35.0 | 40.0 | 45.0 |      |      |      | m |
|  |       | 10.0 | 10.0 | 8.40 | 7.40 | 6.70 | 5.80 | 4.60 | 3.70 |      |      |      | t |
|                                                                                   |       | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 4.8  | 3.90 |      |      |      | t |
| 40m                                                                               | 4.0 > | 10.0 | 25.0 | 27.0 | 30.0 | 32.0 | 35.0 | 40.0 |      |      |      |      | m |
|  |       | 10.0 | 10.0 | 8.70 | 7.50 | 6.80 | 5.80 | 4.70 |      |      |      |      | t |
|                                                                                   |       | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 4.90 |      |      |      |      | t |
| 30m                                                                               | 3.1 > | 10.0 | 18.0 | 20.0 | 25.0 | 27.0 | 30.0 |      |      |      |      |      | m |
|  |       | 10.0 | 10.0 | 10.0 | 10.0 | 9.10 | 7.80 |      |      |      |      |      | t |
|                                                                                   |       | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |      |      |      |      |      | t |

## Luffing jib





Anchorage



Mechanisms

| Items                                                                        | Mechanisms | Speed/Hoist weight                                                                  |     |                                                                                     |    | Rope     | Motor(KW) |
|------------------------------------------------------------------------------|------------|-------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|----|----------|-----------|
|                                                                              |            | M/min                                                                               | t   | M/min                                                                               | t  | Capacity | 400V 50Hz |
| Hoisting                                                                     | 60QP25KS   |  |     |  |    | 600m     | 45        |
|                                                                              |            | 5.4                                                                                 | 5   | 2.7                                                                                 | 10 |          |           |
|                                                                              |            | 45                                                                                  | 5   | 22                                                                                  | 10 |          |           |
|                                                                              |            | 90                                                                                  | 2.5 | 45                                                                                  | 5  |          |           |
| Luffing                                                                      | 50LP40HZ   | 2m/min                                                                              |     |                                                                                     |    |          | 37        |
| Slewing                                                                      | RCV185     | 0~0.7rpm                                                                            |     |                                                                                     |    |          | 2*6.6     |
| Traveling                                                                    | RT544      | 13.5~27                                                                             |     |                                                                                     |    |          | 4*5.2     |
|                                                                              | A1 2V      |                                                                                     |     |                                                                                     |    |          |           |
|                                                                              | R≥13m      |                                                                                     |     |                                                                                     |    |          |           |
| Necessary Electric Power                                                     |            | 134KVA/160KVA                                                                       |     |                                                                                     |    |          |           |
| Main electrical components: Schneider (Frequency converter, Contactor,Relay) |            |                                                                                     |     |                                                                                     |    |          |           |