



Quality Changes The World

SFT160(T6518-10)

SANY Tower Crane
三一重工塔式起重机

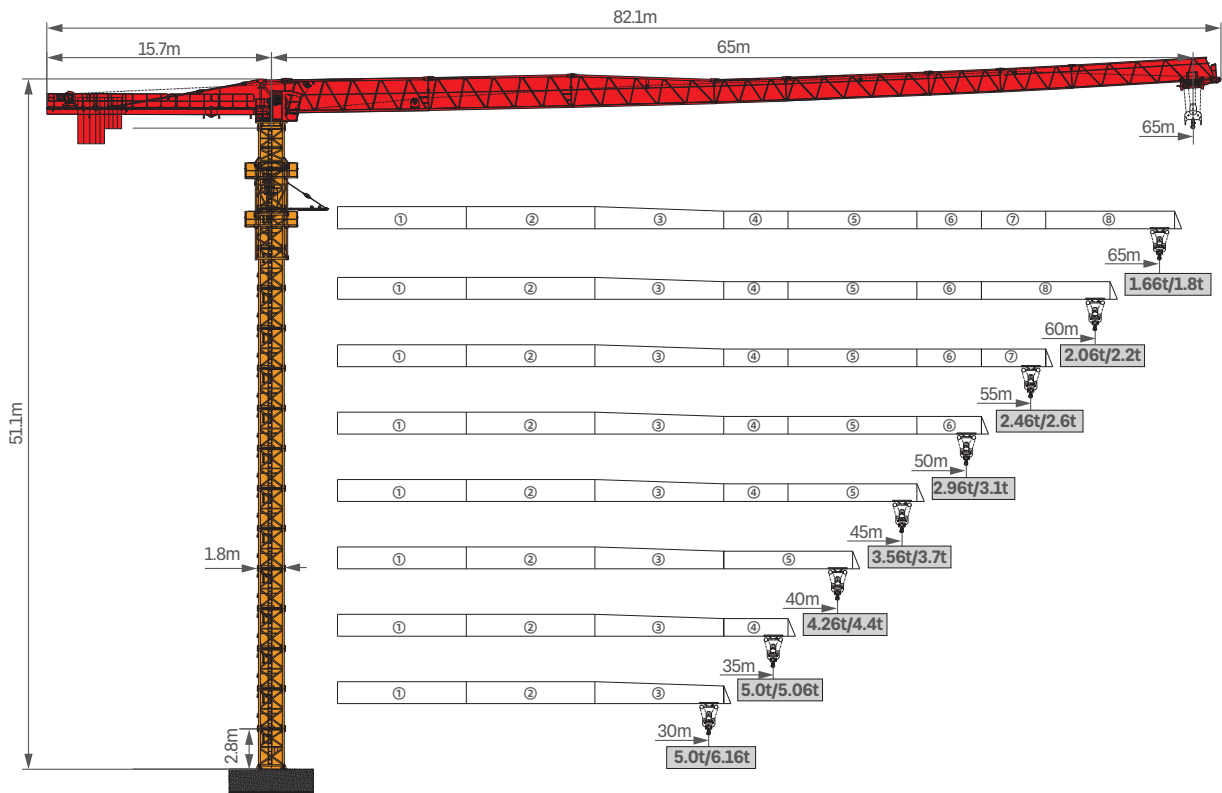


**Better World
Better SANY Crane**

















SANY CRANE




Jib Length & Tip Load 臂长组合及吊重



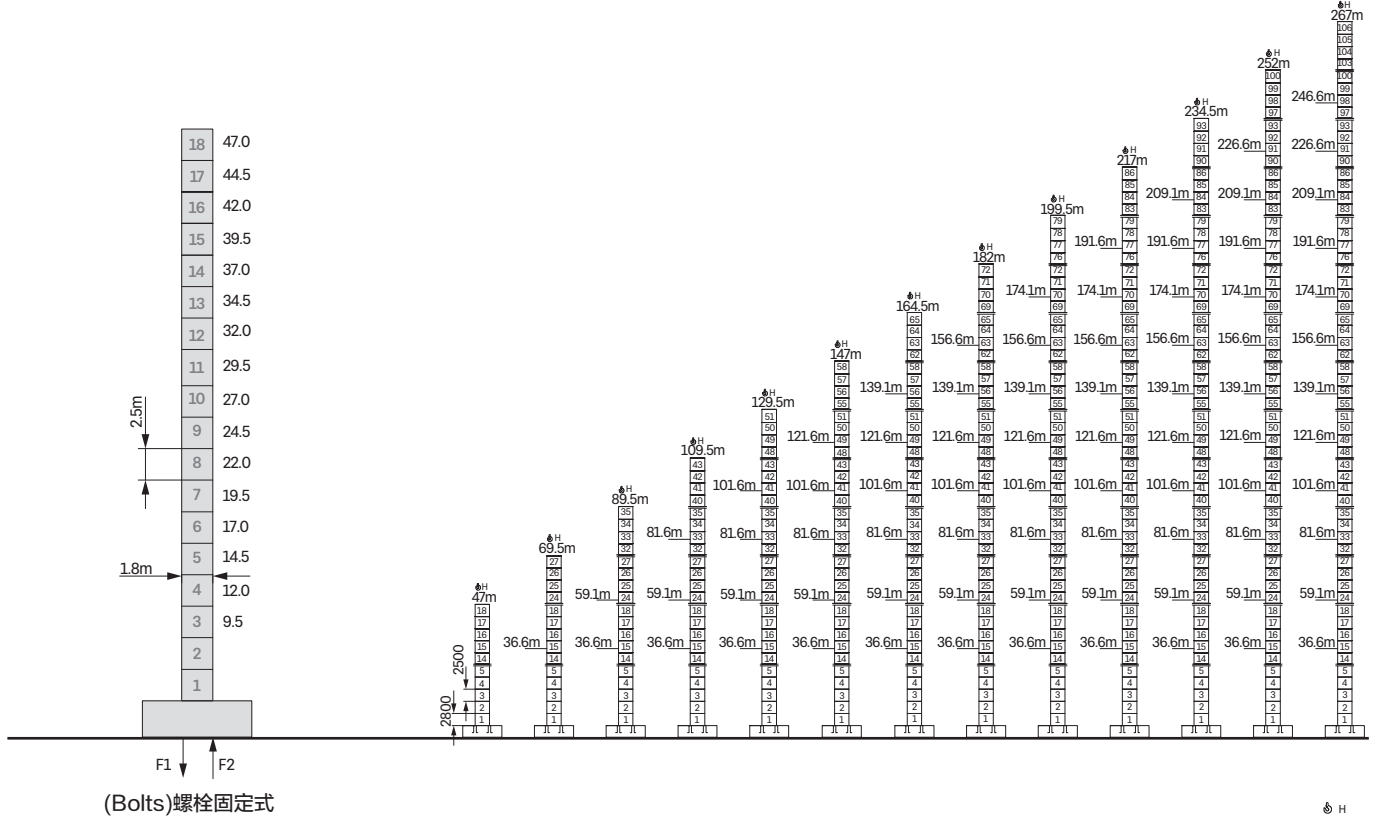
Load Diagrams 起重特性表

| radius/m 幅度 (m) | the max. capacity/t 最大起重量 | 15 | 18 | 20 | 23 | 25 | 28 | 30 | 33 | 35 | 38 | 40 | 43 | 45 | 48 | 50 | 53 | 55 | 58 | 60 | 63 | 65 |
|--------------------|---|----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 65 |  2.5-30.28/5t | | | | 5.00 | | | | 4.50 | 4.18 | 3.77 | 3.53 | 3.22 | 3.03 | 2.78 | 2.63 | 2.42 | 2.30 | 2.13 | 2.03 | 1.89 | 1.80 |
| |  2.5-16.55/10t | 10 | 9.07 | 8.02 | 6.80 | 6.15 | 5.35 | 4.91 | 4.36 | 4.04 | 3.63 | 3.39 | 3.08 | 2.89 | 2.64 | 2.49 | 2.28 | 2.16 | 1.99 | 1.89 | 1.75 | 1.66 |
| 60 |  2.5-31.98/5t | | | | 5.00 | | | | 4.81 | 4.48 | 4.04 | 3.79 | 3.46 | 3.26 | 2.99 | 2.83 | 2.62 | 2.49 | 2.31 | 2.20 | | |
| |  2.5-17.47/10t | 10 | 9.66 | 8.54 | 7.25 | 6.56 | 5.72 | 5.26 | 4.67 | 4.34 | 3.90 | 3.65 | 3.32 | 3.12 | 2.85 | 2.69 | 2.48 | 2.35 | 2.17 | 2.06 | | |
| 55 |  2.5-33.01/5t | | | | 5.00 | | | | 5.00 | 4.66 | 4.21 | 3.95 | 3.60 | 3.40 | 3.12 | 2.96 | 2.73 | 2.60 | | | | |
| |  2.5-18.02/10t | 10 | 10 | 8.86 | 7.52 | 6.81 | 5.95 | 5.47 | 4.86 | 4.51 | 4.07 | 3.81 | 3.46 | 3.26 | 2.98 | 2.82 | 2.56 | 2.46 | | | | |
| 50 |  2.5-34.20/5t | | | | 5.00 | | | | 5.00 | 4.86 | 4.40 | 4.12 | 3.77 | 3.55 | 3.27 | 3.10 | | | | | | |
| |  2.5-18.65/10t | 10 | 10 | 9.23 | 7.84 | 7.10 | 6.21 | 5.71 | 5.08 | 4.72 | 4.26 | 3.98 | 3.62 | 3.41 | 3.13 | 2.96 | | | | | | |
| 45 |  2.5-35.29/5t | | | | 5.00 | | | | 5.00 | 5.00 | 4.57 | 4.29 | 3.92 | 3.70 | | | | | | | | |
| |  2.5-19.24/10t | 10 | 10 | 9.56 | 8.13 | 7.37 | 6.44 | 5.93 | 5.28 | 4.91 | 4.43 | 4.15 | 3.78 | 3.56 | | | | | | | | |
| 40 |  2.5-36.02/5t | | | | 5.00 | | | | 5.00 | 5.00 | 4.69 | 4.40 | | | | | | | | | | |
| |  2.5-19.63/10t | 10 | 10 | 9.79 | 8.32 | 7.55 | 6.60 | 6.08 | 5.41 | 5.04 | 4.54 | 4.26 | | | | | | | | | | |
| 35 |  2.5-35.00/5t | | | | 5.00 | | | | 5.00 | 5.00 | | | | | | | | | | | | |
| |  2.5-19.70/10t | 10 | 10 | 9.83 | 8.36 | 7.58 | 6.63 | 6.11 | 5.44 | 5.06 | | | | | | | | | | | | |
| 30 |  2.5-30.00/5t | | | | 5.00 | | | | | | | | | | | | | | | | | |
| |  2.5-19.84/10t | 10 | 10 | 9.91 | 8.43 | 7.65 | 6.69 | 6.16 | | | | | | | | | | | | | | |

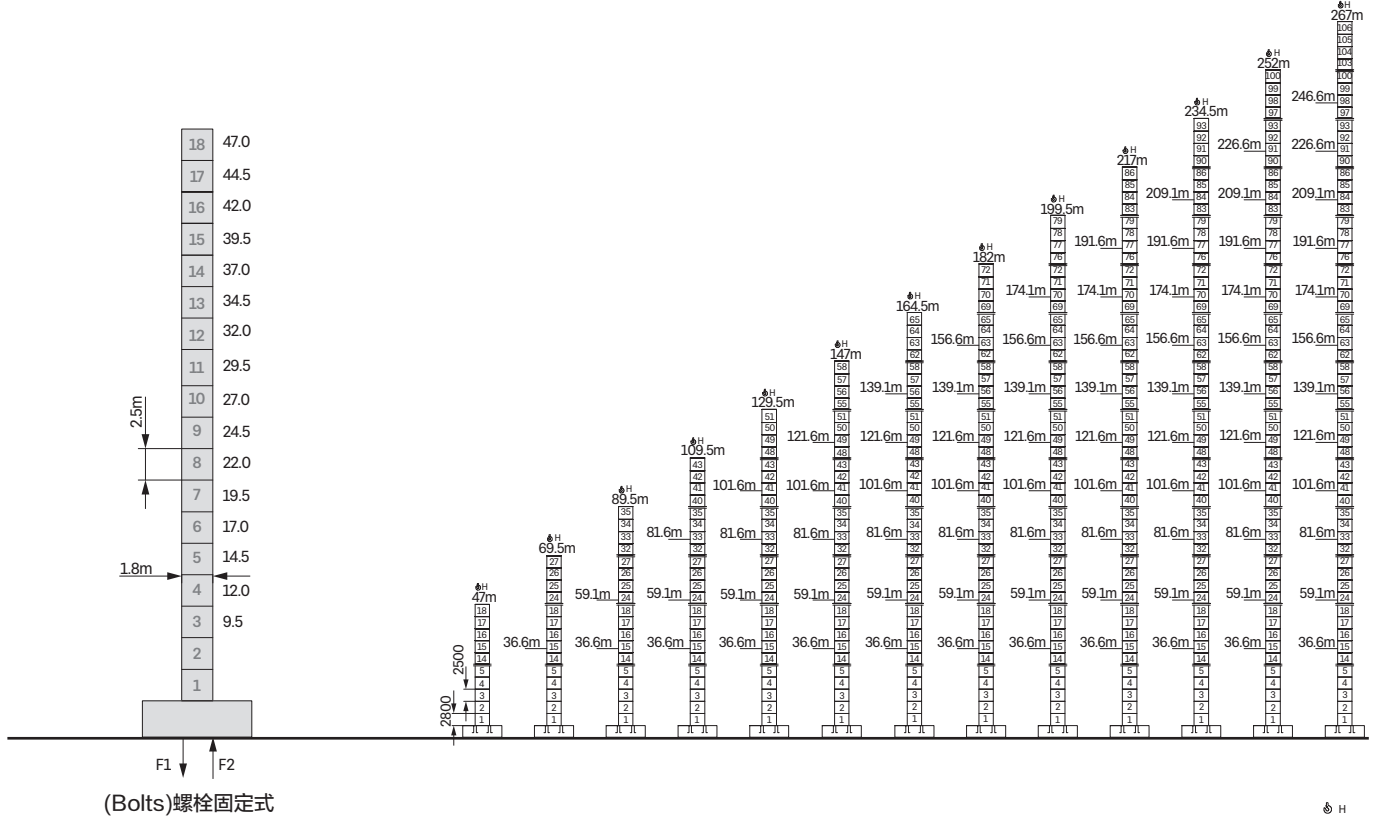
Counter-jib Ballast 平衡臂及平衡重组合表

|  (m) |  (m) |  (kg) |  (3500kg) |  (2500kg) |  (1850kg) |
|---|---|--|--|--|--|
| 65 | 14.7 | 22900 | 3 | 2 | 4 |
| 60 | 14.7 | 21050 | 3 | 2 | 3 |
| 55 | 14.7 | 20400 | 3 | 1 | 4 |
| 50 | 14.7 | 19200 | 3 | 2 | 2 |
| 45 | 14.7 | 17900 | 3 | 0 | 4 |
| 40 | 14.7 | 15500 | 3 | 2 | 0 |
| 35 | 14.7 | 14850 | 3 | 1 | 1 |
| 30 | 14.7 | 13000 | 3 | 1 | 0 |

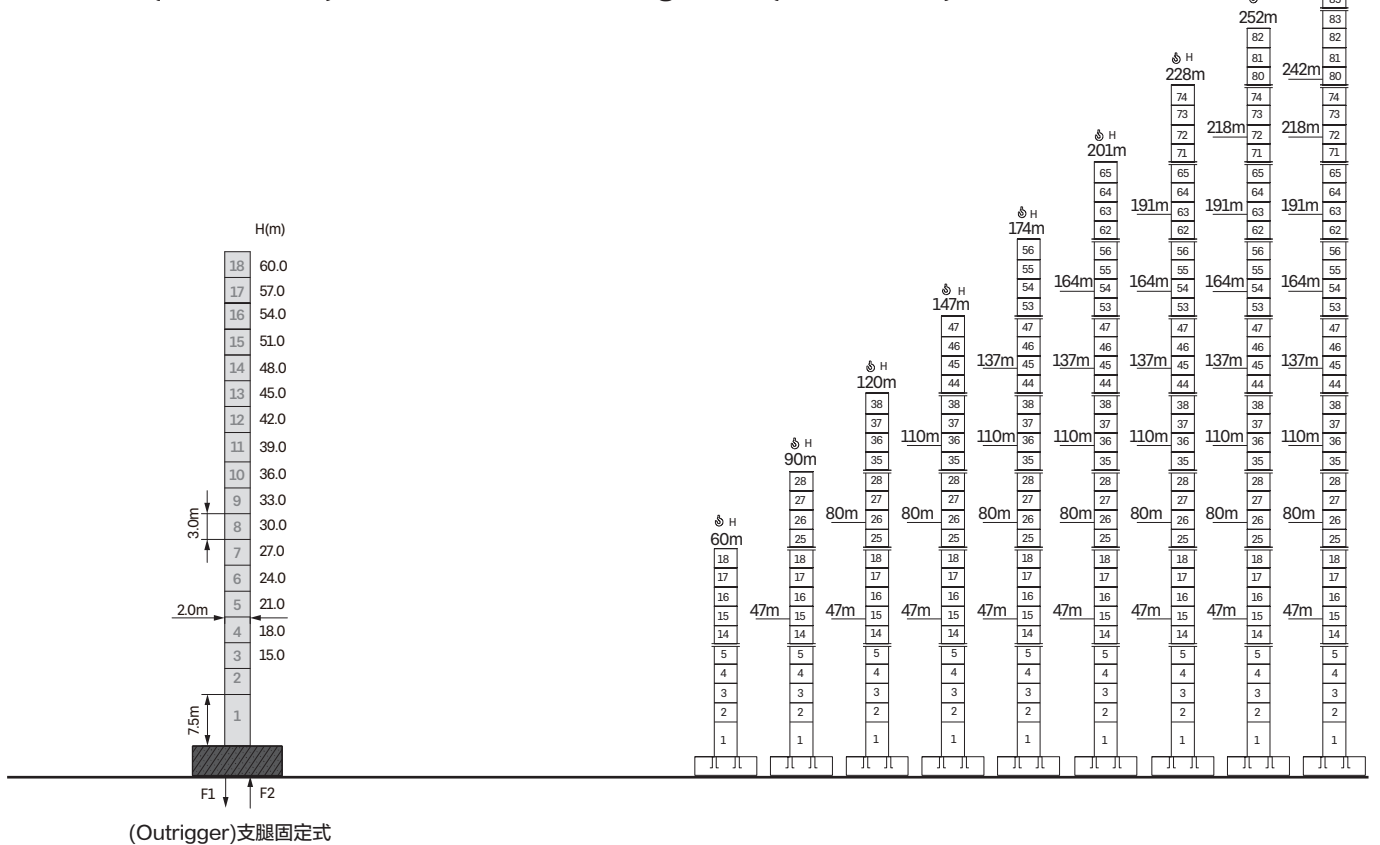
Masts 塔身(1.8×1.8×2.5)



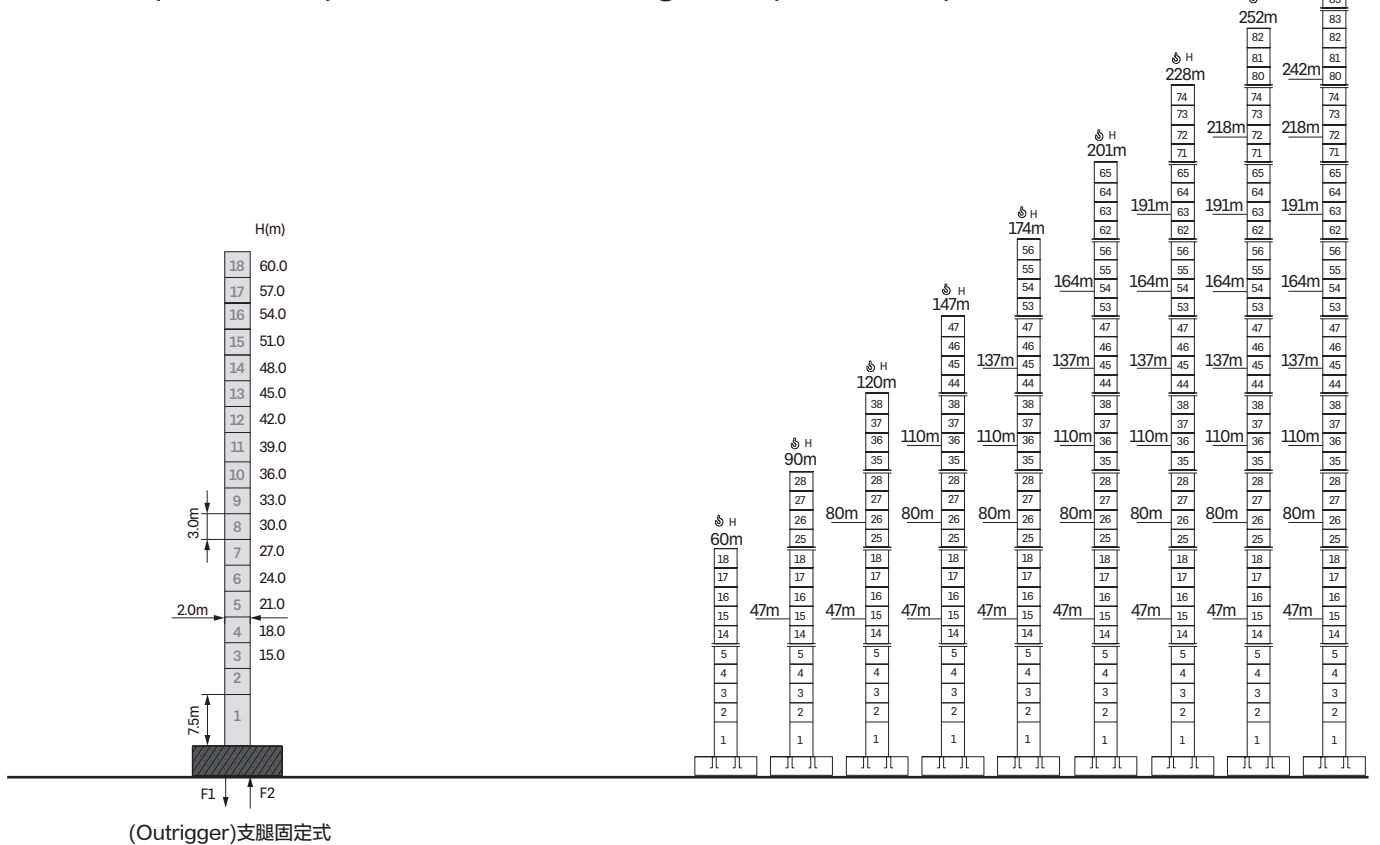
Anchorage 附着(1.8×1.8×2.5)



Masts 塔身(2.0×2.0×3.0)



Anchorage 附着(2.0×2.0×3.0)








Bolts 螺栓固定式

| | | |
|--|----------------------------------|--------|
| F1 | Reactions in service 工作状态反力 | 141.2t |
| | Reactions out of service 非工作状态反力 | 152.8t |
| F2 | Reactions in service 工作状态反力 | 103.2t |
| | Reactions out of service 非工作状态反力 | 119.0t |
| Freestanding height, dead weight at the max. jib (without counter weight, lifting weight nor ballast) 独立高度, 最长起重臂时自重(不含平衡重、吊重、压重) | | 46.2t |

Outrigger 支腿固定式

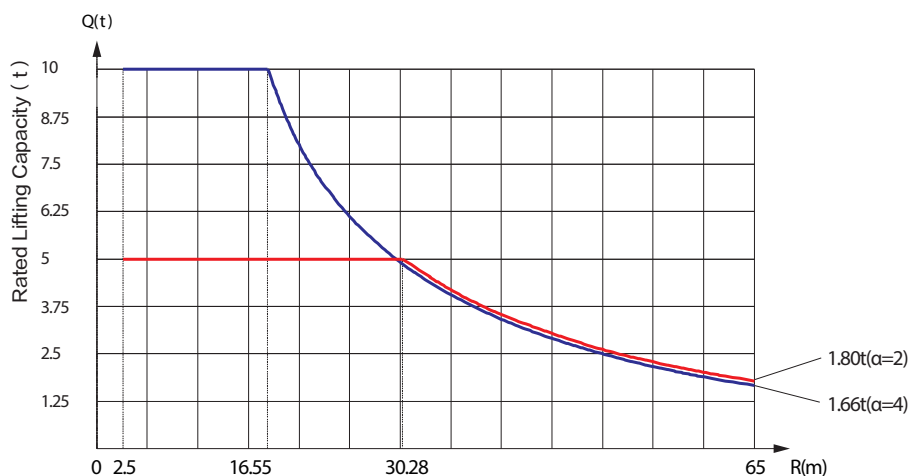
| | | |
|--|----------------------------------|--------|
| F1 | Reactions in service 工作状态反力 | 150.5t |
| | Reactions out of service 非工作状态反力 | 211.1t |
| F2 | Reactions in service 工作状态反力 | 99.1t |
| | Reactions out of service 非工作状态反力 | 166.5t |
| Freestanding height, dead weight at the max. jib (without counter weight, lifting weight nor ballast) 独立高度, 最长起重臂时自重(不含平衡重、吊重、压重) | | 63.7t |

Transmission Mechanisms 传动机构

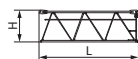
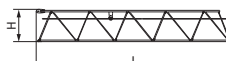



| | Model 型号 | Power 功率 | Velocity 速度 |
|---|--|-------------|----------------|
|  | HPZ55.130.195-4F1 HPZ55.130.195-4F2 | 2 × 5.5Kw | 0-0.7r/min |
|  | SXJ55.70P | 5.5Kw | 0-60m/min |
|  | LLQS27-45 | 45Kw | 0-100m/min |
|  | RT443 | 5.2Kw | 0-25m/min |
|  | 380V(±10%), 50Hz | | |

Note: Contact with us when the rope capacity of hoisting mechanism is larger than 540m.
注: 工作绳容量大于 540m 时请与厂家联系








Curve of Lifting Capacity 起重性能曲线图



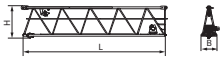
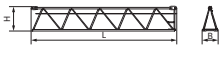
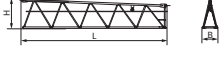



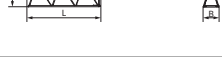
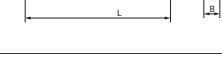




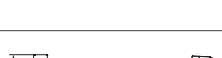

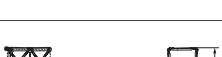

Packing List 运输部件(1.8×1.8×2.5)

| NO. 序号 | Description 名称 | Sketch 形状 | L(m) 长 | B(m) 宽 | H(m) 高 | Weight per unit (t) 单件重量 (t) | Quantity 数量 |
|-----------|-----------------------------|---|-----------|-----------|-----------|---------------------------------|----------------|
| 1 | Jib section I 臂架 I |  | 10.31 | 1.30 | 2.53 | 2.769 | 1 |
| 2 | Jib section II 臂架 II |  | 10.27 | 1.30 | 2.38 | 1.947 | 1 |
| 3 | Jib section III 臂架 III |  | 10.25 | 1.30 | 2.35 | 1.49 | 1 |
| 4 | Jib section IV 臂架 IV |  | 5.22 | 1.30 | 1.74 | 0.678 | 1 |
| 5 | Jib section V 臂架 V |  | 10.21 | 1.30 | 1.70 | 0.982 | 1 |
| 6 | Jib section VI 臂架 VI |  | 5.17 | 1.30 | 1.69 | 0.42 | 1 |
| 7 | Jib section VII 臂架 VII |  | 5.14 | 1.30 | 1.66 | 0.389 | 1 |
| 8 | Jib section VIII 臂架 VIII |  | 10.13 | 1.30 | 1.66 | 0.57 | 1 |
| 9 | Tip mast 臂尖节 |  | 0.37 | 1.46 | 1.37 | 0.1 | 1 |
| 10 | Tower top assembly 塔头总成 |  | 2.29 | 1.50 | 2.46 | 1.668 | 1 |
| 11 | Counter-jib 1 平衡臂节 1 |  | 3.35 | 1.49 | 0.87 | 0.844 | 1 |
| 12 | Counter-jib 2 平衡臂节 2 |  | 11.58 | 1.54 | 0.92 | 2.542 | 1 |
| 13 | Telescoping cage 爬升架 |  | 6.66 | 2.26 | 2.42 | 2.271 | 1 |
| 14 | Slewing assembly 回转总成 |  | 5.06 | 2.20 | 2.35 | 5.12 | 1 |
| 15 | Transition mast 过渡节 |  | 2.83 | 2.43 | 2.43 | 1.232 | 1 |
| 16 | Standard mast 标准节 |  | 2.50 | 1.96 | 1.96 | 0.87 | 12 |







Packing List 运输部件(1.8×1.8×2.5)

| NO. 序号 | Description 名称 | Sketch 形状 | L(m) 长 | B(m) 宽 | H(m) 高 | Weight per unit (t) 单件重量 (t) | Quantity 数量 |
|-----------|-------------------------------|--|-----------|-----------|-----------|---------------------------------|----------------|
| 17 | Strengthening mast 加强节 |  | 2.80 | 1.96 | 1.96 | 1.072 | 4 |
| 18 | Basic mast 基础节 |  | 2.83 | 2.13 | 2.13 | 1.213 | 1 |
| 19 | Trolley 小车 |  | 2.10 | 2.20 | 1.24 | 0.392 | 1 |
| 20 | Hook 吊车 |  | 1.16 | 0.27 | 1.74 | 0.38 | 1 |
| 21 | Cabin 司机室 |  | 2.28 | 1.41 | 2.18 | 0.805 | 1 |
| 22 | Hoisting Mechanism 起升机构 |  | 1.97 | 1.90 | 1.02 | 1.95 | 1 |
| 23 | Trolleying mechanism 变幅机构 |  | 1.32 | 0.60 | 0.67 | 0.49 | 1 |

Packing List 运输部件(2.0×2.0×3.0)

| NO. 序号 | Description 名称 | Sketch 形状 | L(m) 长 | B(m) 宽 | H(m) 高 | Weight per unit (t) 单件重量 (t) | Quantity 数量 |
|-----------|-----------------------------|---|-----------|-----------|-----------|---------------------------------|----------------|
| 1 | Jib section I 臂架 I |  | 10.31 | 1.30 | 2.53 | 2.769 | 1 |
| 2 | Jib section II 臂架 II |  | 10.27 | 1.30 | 2.38 | 1.947 | 1 |
| 3 | Jib section III 臂架 III |  | 10.25 | 1.30 | 2.35 | 1.49 | 1 |
| 4 | Jib section IV 臂架 IV |  | 5.22 | 1.30 | 1.74 | 0.678 | 1 |
| 5 | Jib section V 臂架 V |  | 10.21 | 1.30 | 1.70 | 0.982 | 1 |
| 6 | Jib section VI 臂架 VI |  | 5.17 | 1.30 | 1.69 | 0.42 | 1 |
| 7 | Jib section VII 臂架 VII |  | 5.14 | 1.30 | 1.66 | 0.389 | 1 |
| 8 | Jib section VIII 臂架 VIII |  | 10.13 | 1.30 | 1.66 | 0.57 | 1 |
| 9 | Tip mast 臂尖节 |  | 0.37 | 1.46 | 1.37 | 0.1 | 1 |
| 10 | Tower head assembly 塔头总成 |  | 2.29 | 1.50 | 2.46 | 1.668 | 1 |
| 11 | Counter-jib 1 平衡臂节 1 |  | 3.35 | 1.49 | 0.87 | 0.844 | 1 |
| 12 | Counter-jib 2 平衡臂节 2 |  | 11.58 | 1.54 | 0.92 | 2.542 | 1 |
| 13 | Telescoping cage 爬升架 |  | 7.66 | 3.28 | 2.55 | 3.8 | 1 |
| 14 | Slewing assembly 回转总成 |  | 5.13 | 3.1 | 3.06 | 5.53 | 1 |
| 15 | Transition mast 过渡节 |  | 2.46 | 3.3 | 3.26 | 2.32 | 1 |
| 16 | Standard section 片式标准节 |  | 3.27 | 2.08 | 2.1 | 1.46 | 17 |

Packing List 运输部件(2.0×2.0×3.0)

| NO. 序号 | Description 名称 | Sketch 形状 | L(m) 长 | B(m) 宽 | H(m) 高 | Weight per unit (t) 单件重量 (t) | Quantity 数量 |
|-----------|------------------------------|---|-----------|-----------|-----------|---------------------------------|----------------|
| 17 | Basic mast 基础节 |  | 7.77 | 2.08 | 2.1 | 4.26 | 1 |
| 18 | Trolley 小车 |  | 2.10 | 2.20 | 1.24 | 0.392 | 1 |
| 19 | Trolley 吊钩 |  | 1.16 | 0.27 | 1.74 | 0.38 | 1 |
| 20 | Cabin 司机室 |  | 2.28 | 1.41 | 2.18 | 0.805 | 1 |
| 21 | Hoisting Mechanism 起升机构 |  | 1.97 | 1.90 | 1.02 | 1.95 | 1 |
| 22 | Trolleying mechanism 变幅机构 |  | 1.32 | 0.60 | 0.67 | 0.49 | 1 |



SANY GROUP CRANE BU

SANY Tower Crane Industrial Park, No.168 Jinzhou Avenue, Jinzhou Development Zone, Changsha City, Hunan Province, P.R. China Zip 410600
Consulting sanycrane@sanygroup.com (Crane BU) / crd@sany.com.cn (IHQ)
After-sales Service 0086-400 6098 318

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三一集团起重事业部

中国湖南长沙金洲开发区金洲大道168号三一塔式起重机产业园 邮编: 410600
咨询: sanycrane@sanygroup.com (起重事业部) / crd@sany.com.cn (国际总部)
海外售后服务: 0086-400 6098 318

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