



QDY型5~74吨吊钩桥式吊运熔融金属用起重机

QDY Type 5~74t Hook Bridge Crane for lifting molten metal

QDY系列桥式吊运熔融金属用起重机简介：

QDY吊钩桥式起重机主要用于吊运熔融金属的冶金、铸造等场所，整机工作级别为A7，在主梁底部加设隔热层装置。起重机装配与试验符合国家质量监督检验检疫总局所发的质检办特[2007]375号文件。其它吊运熔融的非金属物料和吊运炽热固态金属的场所也可参照选用。(注：以下图中H0为大车缓冲器增加的高度。H0≤250)

环境条件：

- 1、起重机的电源为三相交流，额定频率为50HZ，额定电压为380V；
- 2、工作环境温度为-10~+60℃；
- 3、在+40℃的温度下相对湿度不超过50%；
- 4、如超过上述要求，根据用户需要按订货合同条款执行。

订货须知：

用户在定货或签订合同时，必须将本机的基本参数(额定起重量、起升高度、跨度等)描述清楚，以便提供满足工况要求和工作条件的产品。

Brief introduction of QDY series bridge foundry crane:

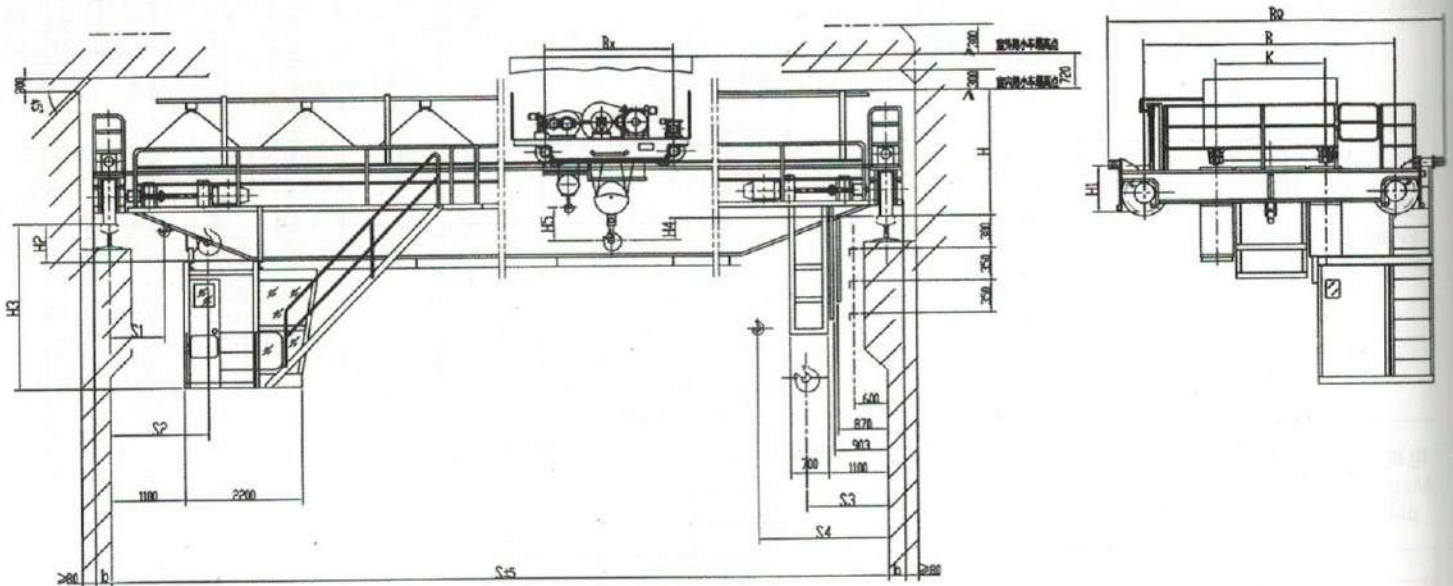
QDY bridge foundry crane with hook is mainly used at the place where the molten metal is lifted. The working class of the complete machine is A7, and thermal-protective coating is added at the bottom of the main girder. The assembling and test of the crane conform to the document No.ZJBT[2007]375 which was issued by General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China. The place where molten nonmetal material and red-hot solid metal is lifted also can refer to this document. (note; H0 in the below figure is the increased height of buffer of the crane. H0≤250).

Environmental conditions:

1. The power of crane is three-phase AC; rated frequency is 50HZ; rated voltage is 380V;
2. The temperature of working environment is -10~+60℃;
3. The relative humidity is no more than 50% when the temperature is +40℃;
4. If the requirements are more than above-mentioned, it shall carry out the requirements in the purchase contract as the user asks.

Ordering instructions:

The basic parameters(rated lifting weight, lifting height and span, etc.) of the crane shall be described clearly when the user orders goods or signs a contract so that the product which may satisfy the working condition can be supplied.



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技术参数 Technological parameter

| 起重量 Lifting Weight | | t | 5 | | | | | | | 10 | | | | | | | | |
|-----------------------------|-------------------------|----------------|---------------------------------------|-------|-------|-------|--------|-------|-------|--------|-------|-------|-------|--------|-------|-------|-------|-------|
| 跨度 Span | | m | 10.5 | 13.5 | 16.5 | 19.5 | 22.5 | 25.5 | 28.5 | 31.5 | 10.5 | 13.5 | 16.5 | 19.5 | 22.5 | 25.5 | 28.5 | 31.5 |
| 最大起升高度 Max.Lifting Height | | | 16 | | | | | | | 16 | | | | | | | | |
| 速度 Speed | 起升 Hositing | | 15.5 | | | | | | | 10.4 | | | | | | | | |
| | 小车运行 trolley travelling | m/min | 37.2 | | | | | | | 43.8 | | | | | | | | |
| | 大车运行 crane travelling | n | 92.7 | | | | 93.7 | | | 92.7 | | | 93.7 | | 86.5 | | | |
| 电动机 Motor | 起升 Hositing | | 15 | | | | | | | 22 | | | | | | | | |
| | 小车运行 trolley travelling | Kw | 1.5 | | | | | | | 2.2 | | | | | | | | |
| | 大车运行 crane travelling | | 2×5.5 | | | | 2×7.5 | | | 2×5.5 | | | 2×7.5 | | | | | |
| 主要尺寸(mm) Main Dimensions | | B ₀ | 5058 | | 5208 | | 6028 | | | 5708 | | 5848 | | 6388 | | | | |
| | | B | 3400 | | 3550 | | 5000 | | | 4050 | | | | 5000 | | | | |
| | | b | 230 | | | | | | | 230 | | | | | | | | |
| | | S ₁ | 800 | | | | | | | 1030 | | | | | | | | |
| | | S ₂ | 1250 | | | | | | | 1900 | | | | | | | | |
| | | K | 1400 | | | | | | | 2000 | | | | | | | | |
| | | B _x | 1100 | | | | | | | 2400 | | | | | | | | |
| | | H | 1763 | | | | | | | 2097 | | | | 2187 | | | | |
| | | H ₁ | 830+H0 | | | | 870+H0 | | | 850+H0 | | | | 940+H0 | | | | |
| | | H ₂ | -22 | 128 | 228 | 378 | 528 | 678 | 828 | 976 | 78 | 248 | 328 | 478 | 528 | 628 | 778 | 928 |
| | | H ₃ | 2398 | 2548 | 2648 | 2798 | 2948 | 3096 | 3248 | 3396 | 2498 | 2648 | 2748 | 2898 | 2948 | 3048 | 3198 | 3348 |
| H ₄ | 71 | | | | | | | 701 | | | | 611 | | | | | | |
| 重量 Weight | 小车 trolley | | 2369 | | | | | | | 4156 | | | | | | | | |
| | 总重 Total weight | Kg | 14000 | 15540 | 17400 | 20500 | 22800 | 27620 | 30200 | 33700 | 16200 | 18500 | 21000 | 22600 | 25200 | 29500 | 32810 | 36670 |
| 最大轮压 Max wheel load | | KN | 76 | 85 | 93 | 98 | 108 | 128 | 139 | 144 | 112 | 121 | 131 | 139 | 147 | 161 | 168 | 185 |
| 荐用钢轨 Steel track | 小车 trolley | | 18kg / m | | | | | | | | | | | | | | | |
| | 大车 crane | | 43kg / m | | | | | | | | | | | | | | | |
| 电源 Power source | | | 三相交流 380V 50HZ 3-Phase A.C. 380V 50HZ | | | | | | | | | | | | | | | |



QDY型5~74吨吊钩桥式吊运熔融金属用起重机

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技术参数 Technological parameter

| 起重量 Lifting Weight | | t | 16 / 3.2 | | | | | | | 20 / 5 | | | | | | | | |
|------------------------------------|----------------------------|---------------------------------------|----------|-------|-------|---------|-------|-------|-------|----------|-------|-------|---------|-------|-------|-------|-------|-------|
| 跨度 Span | | | 10.5 | 13.5 | 16.5 | 19.5 | 22.5 | 25.5 | 28.5 | 31.5 | 10.5 | 13.5 | 16.5 | 19.5 | 22.5 | 25.5 | 28.5 | 31.5 |
| 最大起升高度 Max.Lifting Height | 主钩 Main hook | m | 16 | | | | | | | 12 | | | | | | | | |
| | 副钩 Auxiliary hook | | 18 | | | | | | | 14 | | | | | | | | |
| 速度 Speed | 主起升 Main | m/ min | 10.7 | | | | | | | 9.8 | | | | | | | | |
| | 副起升 Auxiliary | | 14.6 | | | | | | | 15.5 | | | | | | | | |
| | 小车运行 trolley travelling | | 44.6 | | | | | | | 44.6 | | | | | | | | |
| | 大车运行 crane travelling | | 76 | | | 89 | | | | 76 | | | 89 | | | | | |
| 电动机 Motor | 主钩 Main hook | Kw | 37 | | | | | | | 45 | | | | | | | | |
| | 副起升 Auxiliary | | 11 | | | | | | | 15 | | | | | | | | |
| | 小车运行 trolley travelling | | 3.7 | | | | | | | 3.7 | | | | | | | | |
| | 大车运行 crane travelling | | 2 × 7.5 | | | 2 × 11 | | | | 2 × 7.5 | | | 2 × 11 | | | | | |
| 主要尺寸(mm) (Main)Dimensions | | BQ | 6278 | | | 6188 | | 6798 | | 6278 | | | 6188 | | 6798 | | | |
| | | B | 4400 | | | | 5000 | | | | 4400 | | | | 5000 | | | |
| | | b | 230 | | | 260 | | | | 230 | | | 260 | | | | | |
| | | S1 | 1040 | | | | | | | 1030 | | | | | | | | |
| | | S2 | 2310 | | | | | | | 2320 | | | | | | | | |
| | | S3 | 1850 | | | | | | | 1930 | | | | | | | | |
| | | S4 | 1500 | | | | | | | 1420 | | | | | | | | |
| | | K | 2000 ± 2 | | | | | | | 2000 ± 2 | | | | | | | | |
| | | BX | 2400 | | | | | | | 2430 | | | | | | | | |
| | | H | 2095 | | 2097 | 2187 | 2185 | | | | 2097 | 2099 | | 2189 | | | | |
| | | H1 | 878+H0 | | | 1005+H0 | | | | 845+H0 | | | 1005+H0 | | | | | |
| | | H2 | 80 | 180 | 280 | 340 | 490 | 640 | 790 | 940 | 80 | 184 | 284 | 344 | 492 | 642 | 792 | 940 |
| | | H3 | 2500 | 2600 | 2700 | 2760 | 2910 | 3060 | 3210 | 3360 | 2500 | 2604 | 2704 | 2764 | 2912 | 3062 | 3212 | 3362 |
| | | H4 | 729 | 727 | | 637 | 639 | | | | 701 | 699 | | 609 | | | | |
| 重量 Weight | 小车 trolley | Kg | 6780 | | | | | | | 7439 | | | | | | | | |
| | 总重 Total weight | | 21500 | 23600 | 26000 | 30500 | 32600 | 37050 | 40700 | 44020 | 22800 | 25100 | 27490 | 31920 | 35400 | 39300 | 42970 | 46850 |
| 最大轮压 Max wheel load | | KN | 163 | 174 | 187 | 203 | 214 | 227 | 241 | 254 | 195 | 209 | 220 | 244 | 255 | 267 | 282 | 296 |
| 荐用钢轨 Steel track Recommended | 小车 trolley | 24kg / m | | | | | | | | | | | | | | | | |
| | 大车 crane | 43kg / m or QU70 | | | | | | | | | | | | | | | | |
| 电源 Power source | | 三相交流 380V 50HZ 3-Phase A.C. 380V 50HZ | | | | | | | | | | | | | | | | |

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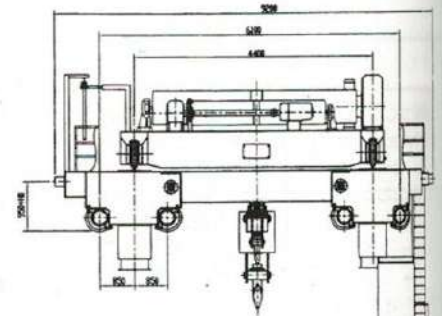
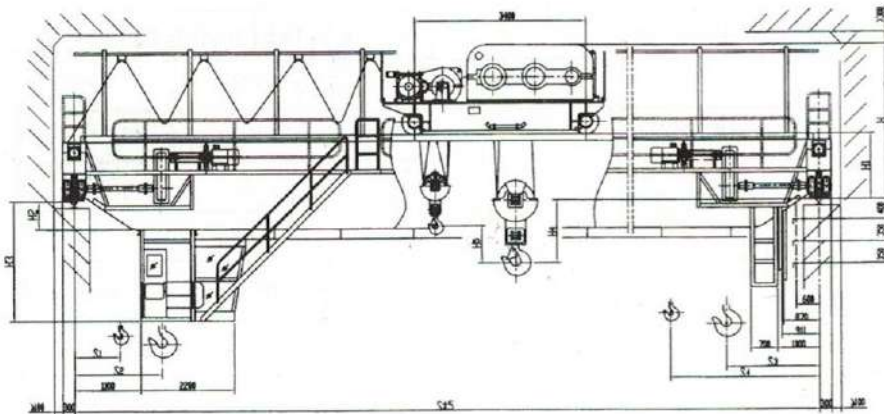
技术参数 Technological parameter

| 起重量 Lifting Weight | | t | 32 / 5 | | | | | | | | 50 / 10 | | | | | | | | |
|------------------------------------|----------------------------|---------------------------------------|--------|-------|-------|---------|-------|-------|-------|-------|---------|-------|-------|---------|--------|-------|-------|-------|--|
| 跨度 Span | | | 10.5 | 13.5 | 16.5 | 19.5 | 22.5 | 25.5 | 28.5 | 31.5 | 10.5 | 13.5 | 16.5 | 19.5 | 22.5 | 25.5 | 28.5 | 31.5 | |
| 最大起升高度 Max.Lifting Height | 主钩 Main hook | m | 16 | | | | | | | | 12 | | | | | | | | |
| | 副钩 Auxiliary hook | | 18 | | | | | | | | 16 | | | | | | | | |
| 速度 Speed | 主起升 Main | m/ min | 7.8 | | | | | | | | 7.8 | | | | | | | | |
| | 副起升 Auxiliary | | 15.5 | | | | | | | | 10.4 | | | | | | | | |
| | 小车运行 trolley travelling | | 42.4 | | | | | | | | 39.3 | | | | | | | | |
| | 大车运行 crane travelling | | 89 | | 75.3 | | 75.3 | | 75 | | 76.6 | | | | | | | | |
| 电动机 Motor | 主钩 Main hook | Kw | 55 | | | | | | | | 75 | | | | | | | | |
| | 副起升 Auxiliary | | 15 | | | | | | | | 22 | | | | | | | | |
| | 小车运行 trolley travelling | | 7.5 | | | | | | | | 11 | | | | | | | | |
| | 大车运行 crane travelling | | 2 × 11 | | | | | | | | 2 × 11 | | | | 2 × 15 | | | | |
| 主要尺寸(mm) (Main)Dimensions | | BQ | 6588 | | 6608 | | 6828 | | 6828 | | | | 6858 | | 7058 | | | | |
| | | B | 4650 | | 4700 | | 5000 | | 4800 | | | | 5000 | | | | | | |
| | | b | 260 | | 300 | | | | | | 300 | | | | | | | | |
| | | S1 | 1070 | | | | | | | | 1005 | | | | | | | | |
| | | S2 | 2680 | | | | | | | | 3195 | | | | | | | | |
| | | S3 | 2050 | | | | | | | | 2200 | | | | | | | | |
| | | S4 | 1700 | | | | | | | | 2000 | | | | | | | | |
| | | K | 2500 | | | | | | | | 2500 | | | | | | | | |
| | | BX | 2800 | | | | | | | | 3580 | | | | | | | | |
| | | H | 2337 | 2341 | | 2471 | | | | 2746 | 2748 | | 2754 | | | | | | |
| | | H1 | 970+H0 | | | 1135+H0 | | | | | 1118+H0 | | | 1155+H0 | | | | | |
| | | H2 | 192 | 248 | 394 | 414 | 618 | 764 | 914 | 1014 | 46 | 202 | 254 | 404 | 604 | 754 | 904 | 1004 | |
| | | H3 | 2612 | 2668 | 2814 | 2834 | 3038 | 3184 | 3334 | 3534 | 2466 | 2622 | 2674 | 2824 | 3024 | 3174 | 3324 | 3424 | |
| | | H4 | 71 | | | | | | | | 1020 | 1018 | | 1012 | | | | | |
| 重量 Weight | 小车 trolley | Kg | 12108 | | | | | | | | 15898 | | | | | | | | |
| | 总重 Total weight | | 30600 | 32900 | 36100 | 41200 | 45600 | 50020 | 53200 | 58200 | 39000 | 42700 | 47900 | 51700 | 54820 | 62300 | 66700 | 73800 | |
| 最大轮压 Max wheel load | | KN | 279 | 300 | 312 | 347 | 355 | 372 | 384 | 404 | 377 | 412 | 438 | 458 | 482 | 504 | 521 | 537 | |
| 荐用钢轨 Steel track Recommended | 小车 trolley | 43kg / m | | | | | | | | | | | | | | | | | |
| | 大车 crane | QU70 | | | | | | | | QU80 | | | | | | | | | |
| 电源 Power source | | 三相交流 380V 50HZ 3-Phase A.C. 380V 50HZ | | | | | | | | | | | | | | | | | |



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QDY Type 5~74t Hook Bridge Crane for lifting molten metal



技术参数 Technological parameter

| | | | | | | | | | |
|------------------------------------|-------------------------|---------------------------------------|---------|-------|-------|-------|-------|-------|--------|
| 起重量 Lifting Weight | | t | 74 / 20 | | | | | | |
| 跨度 Span | | | 13.5 | 16.5 | 19.5 | 22.5 | 25.5 | 28.5 | 31.5 |
| 最大起升高度 Max.Lifting Height | 主钩 Main hook | m | 22 | | | | | | |
| | 副钩 Auxiliary hook | | 24 | | | | | | |
| 速度 Speed | 主起升 Main | m/min | 6.1 | | | | | | |
| | 副起升 Auxiliary | | 9.7 | | | | | | |
| | 小车运行 trolley travelling | | 33.8 | | | | | | |
| | 大车运行 crane travelling | | 67.3 | | | | | | |
| 电动机 Motor | 主钩 Main hook | Kw | 90 | | | | | | |
| | 副起升 Auxiliary | | 37 | | | | | | |
| | 小车运行 trolley travelling | | 15 | | | | | | |
| | 大车运行 crane travelling | | 2 × 22 | | | | | | |
| 主要尺寸(mm) (Main)Dimensions | | H | 3189 | 3189 | 3193 | 3199 | 3199 | 3203 | 3205 |
| | | H2 | 602 | 742 | 746 | 750 | 850 | 854 | 856 |
| | | H3 | 2982 | 3122 | 3126 | 3130 | 3230 | 3234 | 3236 |
| | | H4 | 1584 | 1584 | 1580 | 1576 | 1576 | 1572 | 1570 |
| 重量 Weight | 小车 trolley | Kg | 29450 | | | | | | |
| | 总重 Total weight | | 68720 | 73550 | 78930 | 84800 | 89960 | 97110 | 108000 |
| 最大轮压 Max wheel load | | KN | 300 | 314 | 326 | 334 | 345 | 355 | 364 |
| 荐用钢轨 Steel track Recommended | 小车 trolley | 43kg / m | | | | | | | |
| | 大车 crane | QU100 | | | | | | | |
| 电源 Power source | | 三相交流 380V 50HZ 3-Phase A.C. 380V 50HZ | | | | | | | |