

# Anyang Forging Press Machinery Industry Co., Ltd

Contact: Yanli Xu Mobile phone: 0086-13619834657

Website: <http://www.chinesehammers.com> Email: xyl@chinesehammers.com

## C92k series numerical control hydraulic die forging hammer

### **Adapbility:**

Numerical control hydraulic die forging hammer is used in precision forging and multiple mould forging of all kinds of accessories.

### **Features:**

- + Hit energy controled by digitization ,you can set it at will.
- + The hit frequency is high,the hammer head return fast and no close die phenomena.
- + The control system show chinese word,so people can communicate with the machine.
- + The fault diagnosis system can diagnose the machine automated ,this can reduce the analysis of failure reason.
- + The U-Frame and cast steel machine body entirety.
- + We can supply vibration isolation device composed by spring vibration isolation and viscous damping according to the customer's requiement ,this remove the vibration produced in the working.
- + The X type guide rail structure ensurd the good guide and the precision of forgings.
- + The hydraulic liftout device ensured the reliability and stability of mold stripping.

### **“X” type guide rail:**

When the hammer head is heated and the hammer head will expanded in cross direction,and the guide surface was arranged diagonal line,this won't minimize the smaill guide clearance because of the temperature rising,so the guide rail clearance is stable in order to ensure the finish forge.Widen the guide plate and make arm of force longer,and lessen the specific pressure of guide rail surface when bias-striking,and lengthen the life of guide plate.The life of hammer rod is longer because of the guide precision of hammer head is high.

### **U-Frame**

- 1.Increase the rigidity on longitudinal、 cross direction and dumping of the upright column of unright column;and insuring the accurate guide of hammer head in order to enhance the availability of raw meterial.
- 2.Two upright columns are the parts of anvil block,and so that to decrease the weight of whole machine and enhance the blow efficiency.
- 3.The solid foundry frame makes the noise lower than box type and arch type upright column frame.

## Detail Parameters of numerical control hydraulic die forging hammer:

| C92k series numerical control hydraulic die forging hammer |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| TYPE   | C92K   | C92K   | C92K   | C92K   | C92K   | C92K   | C92K   | C92K   | C92K   | C92K   | C92K   | C92K   | C92K   | C92K   | C92K   |
|  | -6.3   | -8     | -10    | -12.5  | -16    | -20    | -25    | -31.5  | -40    | -50    | -63    | -80    | -100   | -125   | -160   |
| Hit energy (KJ)  | 6.3    | 8      | 10     | 12.5   | 16     | 20     | 25     | 31.5   | 40     | 50     | 63     | 80     | 100    | 125    | 160    |
| Weight of falling parts (kg)                               | 430    | 540    | 680    | 860    | 1080   | 1350   | 1700   | 2150   | 2700   | 3400   | 4300   | 5400   | 6800   | 8500   | 10800  |
| Max hit number (min -1)                                    | 152    | 145    | 138    | 129    | 122    | 123    | 113    | 100    | 98     | 98     | 98     | 92     | 81     | 70     | 70     |
| Hit stroke (mm)  | 380-55 | 395-57 | 405-58 | 420-62 | 435-63 | 455-66 | 470-68 | 490-75 | 510-79 | 530-77 | 550-80 | 570-83 | 595-88 | 615-92 | 640-96 |
|  | 5      | 0      | 0      | 0      | 5      | 5      | 5      | 5      | 0      | 5      | 5      | 5      | 5      | 0      | 0      |
| Working oil pressure (Mpa)                                 | 2020   | 20     | 20     | 20     | 20     | 20     | 20     | 20     | 20     | 20     | 20     | 20     | 20     | 20     | 20     |
| Main motor power (KW)                                      | 30     | 30     | 30     | 37     | 45     | 55     | 75     | 75     | 90     | 2*75   | 2*75   | 2*90   | 2*90   | 2*110  | 3*90   |
| Machine weight (Kg)  | 15000  | 15000  | 15000  | 19000  | 24000  | 30000  | 41000  | 46000  | 58000  | 80000  | 94000  | 116000 | 141000 | 189000 | 235000 |
|  |        |        |        |        |        |        |        |        |        |        |        | 0      | 0      | 0      | 0      |



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