



**AR Series™**

Allied's Model 75B and Model 70B AR Series hydraulic impact hammers

The Allied Model 75B and Model 70B AR Series hammers are built to meet the growing demands of the rental market and to offer an alternative hydraulic hammer to contractors. The AR Series hammers offer reliable performance, minimum maintenance and an attractive price which makes these hammers the perfect match for the rental industry and contractors breaking rock and demolishing concrete.

The AR 75B (BSF) is a 790 pound hydraulic hammer that mounts easily on a 12,000 to 25,000 pound loader/backhoe, while the Model 70B (XSF) is a 520 pound hammer that mounts quickly on a mini-excavator. Both adapt easily to a skid-steer with new mounting bracket configurations and two-position brackets for increased productivity.

The Model 75B and Model 70B AR Series hammers feature:

- Proven design with an optimum combination of weight, power and performance
- Easy start with minimal downpressure allows operation in any position
- Steady blow energy for maximum breaking power with every blow
- Straight hydraulic hose fittings for reliable "leak-free" connections
- Tool bushings are slip-fit for easy removal reducing service time
- Conversion brackets allow the hammer to be changed from loader/backhoes to skid-steers in minutes
- Direct mounting to loader/backhoes and skid-steers reduces time and cost
- Wide assortment of demolition and specialty tools to match the job
- Supply pressure dampening for internal protection and smoother operation
- Bolt-on top-mounting bracket makes it easy to attach to excavators using quick-couplers
- Optional two-position skid-steer bracket for increased productivity

One or more of over 2,500 customized hydraulic kits from Allied provide components for mounting the AR Series on mini-excavators, loader/backhoes and skid-steers. The Model 75B requires 14 to 22 gpm at 1,750 to 1,850 psi and it breaks at a rate of 600 to 1,000 blows per minute. The Model 70B requires 8 to 16 gpm at 1,400 to 1,850 psi and it breaks at a rate of 500 to 1,000 blows per minute.

The Allied AR Series hammers are available in seven models—Model 130, Model 95, Model 85, Model 75, Model 70, Model 62 and Model 48.

Demolition of concrete structures, building foundations and pavement are many of the applications for the Model 75B and Model 70B AR Series hydraulic hammers. And, with a variety of accessories, rental customers and contractors can put the AR Series hammers to work on the job site in more ways than ever before.



Model AR 75B



# *Allied AR Series™ Hammers Pay the Rent.*



Model AR 70B



## Model AR 70B and Model AR 75B Specifications

| Model                                   |                      | AR 70B                  | AR 75B                   |
|---|----------------------|-------------------------|--------------------------|
| Mounting Type                           |                      | SSU, XSF and BSF        | SSU, BSF and BCS         |
| Foot Pound Energy Class                 | ft. lbs.             | 500                     | 750                      |
| <b>Operating Ranges</b>                 |                      |                         |                          |
| Frequency                               | bpm                  | 500-1,000               | 600-1,000                |
| Hydraulic Flow Required                 | gpm<br>(lpm)         | 8-16<br>(30-60)         | 14-22<br>(53-83)         |
| Hydraulic Pressure                      | psi<br>(bar)         | 1,400-1,850<br>(97-128) | 1,750-1,850<br>(120-128) |
| Working Weight                          | lbs.<br>(kg)         | 760 (SSU)<br>(345)      | 1,200 (SSU)<br>(544)     |
| Overall Length                          | in.<br>(cm)          | 56 (SSU)<br>(142)       | 66 (SSU)<br>(168)        |
| Working Weight                          | lbs.<br>(kg)         | 520 (XSF)<br>(236)      | 790 (BSF)<br>(358)       |
| Overall Length                          | in.<br>(cm)          | 59 (XSF)<br>(149)       | 64 (BSF)<br>(164)        |
| Working Weight                          | lbs.<br>(kg)         | 560 (BSF)<br>(254)      | 800 (BCS)<br>(363)       |
| Overall Length                          | in.<br>(cm)          | 58 (BSF)<br>(147)       | 67 (BCS)<br>(171)        |
| Standard Demolition Tool                |                      | Cross-Cut               | Cross-Cut                |
| Tool Diameter                           | in.<br>(mm)          | 2.77<br>(70)            | 2.95<br>(75)             |
| Recommended Carrier Weight (Skid-Steer) | lbs.                 | 5,000-8,000             | 8,000+                   |
| Recommended Carrier Weight (Backhoe)    | lbs.                 | 9,000-17,000            | 12,000-25,000            |
| Recommended Carrier Weight (Excavator)  | lbs.                 | 7,000-15,000            | 15,000-30,000            |
| <b>Measured Values</b>                  |                      |                         |                          |
| Energy *                                | ft. lbs.<br>(joules) | 208<br>(282)            | 54<br>(479)              |
| Frequency                               | bpm                  | 677                     | 730                      |
| Hydraulic Flow                          | gpm<br>(lpm)         | 15.9<br>(60)            | 22.7<br>(86)             |
| Supply Pressure                         | psi<br>(bar)         | 1,855<br>(128)          | 1,808<br>(125)           |

\*The hammer energy rating is in accordance with the Certified AEM (formerly CIMA) Tool Energy Rating method.

### Mounting Type Descriptions:

- SSU-Skid-Steer Universal Mounting
- XSF-Mini-Excavator Side-Plate Mounting
- BSF-Backhoe Side-Plate Mounting
- BCS-Backhoe Top-Mounting



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