

Anyang Forging Press Machinery Industry Co., Ltd

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Usage of hydraulic forging hammer:

+ **Hydraulic forging hammer** is a new energy saving and environmental protection forging hammer. It can save more than 90% energy comparing with the steam forging hammer and the forging hammer with compressor. Also, it can improve the working condition.

+ **Hydraulic forging hammers** have two types: hydraulic free forging hammer and hydraulic die forging hammer. and hydraulic free forging hammers also have two types: one is double arm hammer, the other is single arm hammer.

The advantage, structure and design feature of hydraulic forging hammer as follows:

1. Energy conservation and environmental protection.
2. The operation is convenience, lowering and the act is agility
3. System work safety, it has safety locking motion
4. Special structure is more fair and more safety.

The main technical parameter:

The main technical parameters of hydraulic free forging hammer (double arm)										
Item	Unit	C66-35 (1T)	C66-70 (2T)	C66-120 (3T)	C66-140 (4T)	C66-175 (5T)	C66-210 (6T)	C66-245 (7T)	C66-280 (8T)	C66-350 (10T)
Maximum hit energy	KJ	35	70	120	140	175	210	245	280	350
Rated weight of falling parts	kg	1300	2600	4200	4800	6000	7000	7600	8500	10500
Hit number	min-1	50-60	50-60	50-60	50-60	45-55	45-55	45-50	43-48	42-47
Maximum stroe	mm	1000	1260	1450	1500	1730	1900	2100	2200	2400
Anvil block weight	ton	15	30	45	60	75	90	105	120	150

Machine weight (without anvil block)	ton	25	38	65	70	1050	120	140	160	200
Machine outside size (Lx Wx H)	mm	3600 *1500 *6000	4500 *1700 *6500	5620 *2300 *7500	5620 *2300 *7800	6300 *2700 *8500	6300 *2700 *9000	7200 *3000 *9500	7500 *3000 *10000	7500 *3000 *11000
Oil tank Outside size (Lx Wx H)	mm	2000 *1230 *1500	3500 *1500 *1500	4200 *2000 *1600	5200 *2000 *1600	5200 *2000 *1600	5200 *2000 *1600	6200 *2000 *1600	7200 *2000 *1600	7200 *2000 *1600
main oil pump	type	A2F160R2P 3	A2F160R 2 P3x3	A2F160R 2 P3x5	A2F160R 2 P3x6	A2F160R2 P3x5	A2F160R 2 P3x6	A2F160R 2 P3x6	A2F160R 2 P3x7	A2F250R 5 P2x8
main motor	type	Y250M -4-B35	Y250M -4-B35	Y250m -4-B35	Y250m -4-B35	Y280m -4-B35	Y280m -4-B35	Y280m -4-B35	Y280m -4-B35	Y280m -4-B35
	power	kW	55	55x3	55x4	55x5	75x5	75x6	75x7	75x8
Cooling oil pump		KCB-125	KCB-200	KCB-300	KCB-300	KCB-483. 3	KCB-633	KCB-960	KCB-960	KCB-960
Cooling motor	type	Y132S-6	Y112M-4	Y132M-6	Y132M-6	Y132M-4	Y160L-6	Y180M-4	Y180M-4	Y180M-4
	power	kW	3	4	5.5	5.5	7.5	11	18.5	18.5
Guide space	mm	460	550	630	630	740	890	890	930	980
Heat exchanger area	m2	15	20	30	30	40	40	50	60	80

The main technical parameters of hydraulic close die forging hammer

Item	Unit	C86-25 (1T)	C86-50 (2T)	C86-75 (3T)	C86-125 (5T)	C86-200 (8T)	C86-250 (10T)
maximum hit energy	KJ	25	50	75	125	200	250
the weight of falling parts	kg	1500	2500	3500	6000	8600	13000
Hit number	min-1	55-65	55-65	50-60	45-55	40-55	30-40
Maximum stroke	mm	1000	1200	1250	1300	1350	1400
Guide space	mm	540	600	700	740	900	1000
Minimum close	mm	220	260	350	400	430	400

die height (without dovetail groove)							
Anvil block weight	ton	20	40	60	100	160	200
Machine weight (without anvil block)	ton	16	27	43	68	77	95
Machine outside size (Lx Wx H)	mm	2400 x1400x 6000	3000 x1700 x6500	3200 x1800 x7100	3700 x2100 x8600	4300x2700x1120 0	4400 x2700 x11000
Oil tank outside size (Lx Wx H)	mm	2000 x1030x1500	2400 x1300x1500	3500x1400 x1800	4200 x1400 x2000	5200x2000x1600	6200 x2700x2000
Main oil pump	type	A2F160R2P3x 1	A2F125R2P3x 3	A2F160R2P3x 3	A2F160R2P3x 4	A2F160R2P3x5	A2F160R2P3x 6
main motor	type	Y250M -4-B35	Y225M -4-B35	Y225M -4-B35	Y250M -4-B35	Y280S -4-B35	Y250M -4-B35
	power	kW	55x1	45x3	55x3	55x 4	55x5
Cooling oil pump		KCB-125	KCB-200	KCB-300	KCB-483.3	KCB-633	KCB-960
Cooling motor	type	Y112M-6	Y112M-4	Y132M-6	Y132M-4	Y160L-6	Y132M-4
	power	kW	3	4	5.5	7.5	11
Heat exchanger area	m2	10	15	25	30	40	50

The technical parameters of hydraulic free forging hammer (Single arm)

Model	Unit	C61-30(1T)	C61-70 (2T)	C61-105 (3T)	C61-140 (4T)	C61-175 (5T)
Max hit energy	KJ	30	70	105	140	175
the weight of falling parts	kg	1300	2900	4200	4800	5500
Hit number	min-1	55-65	55-65	50-60	50-60	50-60
Max stroke	mm	1000	1200	1400	1500	1650
Anvil block weight	kg	13000	26000	32000	32000	60000

Machine weight (without anvil block)	kg	26000	46000	60000	70000	90000
Machine Outside size (LxWxH)	mm	3600x1500x7000	4500x1700x7500	5620x2300x8000	5740x2000x8500	6500x2800x9000
Oil tank outside size	mm	2000x1230x1500	2400x1500x1500	4200x1600x2000	4200x1600x2000	4200x1600x2000
Main oil pump type		A2F160R2P3	A2F160R2P3x3	A2F160R2P3x4	A2F160R2P3x5	A2F160R2P3x4
Main motor	Type	Y250M-4-B35	Y225M-4-B35	Y250M-4-B35	Y250M-4-B35	Y250M-4-B35
	Power	Kw	55	55x3	55x4	75x5
Cooling motor	Type	Y112M-6	Y112M-4	Y132M-6	Y132M-4	Y132M-4
	Power	Kw	3	4	5.5	18.5
Heat exchanger area	M2	15	20	30	30	40

Pictures of Electrol hydraulic forging hammers



Single arm free forging hammers



Double arm free forging hammers



Die forging hammers



