

5. SPECIFICATIONS

Table 10. Specifications by Model

ITEM	UNIT	HH100	HH150-2	HH300-2	HH500-2	HH750-2	HH1000-2
Impact	ft-lbs.	100	200	350	575	825	1200
Energy Class	kg-m	14	28	49	81	116	168
Adjustable Blows Per Minute	bpm	700-1300	520-1170	590-1200	510-1,180	600-1080	500-860
Required Oil Flow	gpm l/min	4-7 20-45	5-12 20-45	8-16 30-60	9-18 35-70	13-24 50-90	16-35 60-130
Operating Pressure	psi bar	1,000- 2,275 69-160	1,014- 1,867 70-129	1,294- 1,867 89-129	1,441- 1,867 99-129	1,441- 2,161 99-149	1,720-2,587 119-178
Nitrogen Gas Pressure	psi bar	140-160 10-11	190-210 13-14	190-210 13-14	160-185 11-13	190-210 13-14	190-210 13-14
Total Weight with Tool	lbs. kg	165 154	340 154	520 236	550 250	800 363	1,100 500
Total Length	inch mm	35 889	50 1,270	52 1,321	54 1,372	64 1,626	73 1,854
Tool Diameter	inch mm	1.6 40	2.0 50	2.4 60	2.6 65	3.0 75	3.5 90
Applicable Carrier	Tons	.75-2.25	1.25 – 3.25	2.25 - 6	2.75 - 7	3.35 – 8	3.5 - 12

Remarks:

- The hammer is to be used within the specified oil pressure, oil flow and gas pressure parameters.
- The carrier hydraulic system relief pressure is to be set at 600 to 800 psi above the hammer “Operating Pressure” measured at the hose end of the carrier (pressure hose) when disconnected from the hammer.
- The nitrogen charge in a hammer is directly related to the operating pressure of the circuit powering it. An increase of 10% in gas charge will cause a 10% rise in hammer operating pressure. This is prevalent in hammers if gas pressure has been set or checked on a cool morning (60°F) and then run in increasingly higher ambient temperatures up to and over 100°F. This increase in ambient temperature can cause the carrier operating pressure to rise past its relief setting, stalling the hammer.

Table 11. Recommended Gas Pressure Based Upon Ambient Temperature*

Hammer Model	Standard Pressure	80°F	90°F	100°F	110°F	120°F
HH100	140 – 160 psi	160 psi	150 psi	140 psi	130 psi	120 psi
HH150-2	190 – 210 psi	210 psi	200 psi	190 psi	180 psi	170 psi
HH300-2	190 – 210 psi	210 psi	200 psi	190 psi	180 psi	170 psi
HH500-2	160 – 185 psi	185 psi	175 psi	160 psi	150 psi	140 psi
HH750-2	190 – 210 psi	210 psi	200 psi	190 psi	180 psi	170 psi
HH1000-2	190 – 210 psi	210 psi	200 psi	190 psi	180 psi	170 psi

* Gas pressure should be set bearing in mind the possible high ambient temperature potential for that day’s work. While unlikely, a setting that will run well on a hot day may run erratically until the hammer warms up thoroughly. Please contact IPC Industries, Inc. if you have any questions.