

LH1000

Power Output Chart

Head (Feet)	Flow Volume (gpm)	Watts (approximate)	Pipe Size (minimum)
1	320	25	8"
2	450	70	8"
3	550	150	10"
4	635	250	10"
5	710	350	10"
6	775	465	12"
7	840	585	12"
8	895	715	12"
9	950	850	12"
10	1000	1000	12"



If there is not enough water volume for the available head, the head can sometimes be reduced to match the available volume of water. The head can be reduced by adjusting the vertical drop for the diversion inlet and/or the length of the draft tube. If the site cannot produce the water volume necessary for the head, the turbine will not have enough water to operate, causing air to be sucked into the machine. This situation will reduce the power output considerably. If the water flow exceeds what is required to operate the machine, consider adding additional turbines. A low volume runner is available for the machine that can be used if there is not enough water to support the use of the standard runner. The machine will then operate on about half of the water flow and produce about half the power than is shown in the above chart.