

Hoist Manufacturers Institute (HMI) Hoist Duty Classifications

Hoist Duty	Typical Areas of Application	Operational Time Ratings			
		Uniformly Distributed Work Periods		Infrequent Work Periods	
		Max On Time Min/Hr	Max No. Starts / Hr	Max On Time From Cold Start	Max No. of Starts
H1	Powerhouse and Utilities, infrequent handling, hoists used primarily to install and service heavy equipment. Loads frequently approach capacity and hoist is idle for long periods between use.	7.5 minutes (12.5%)	75	15 minutes	100
H2	Light machine shop fabricating, service and maintenance. Loads and utilization randomly distributed, and capacity loads handled infrequently. Total running time not over 12.5% of the work period.	7.5 minutes (12.5%)	75	15 minutes	100
H3	General machine shop fabricating, assembly, storage and warehousing. Loads and utilization randomly distributed. Total running time no over 25% of work period.	15 minutes (25%)	150	30 minutes	200
H4	High volume handling of heavy loads frequently near capacity in steel warehousing, machine and fabricating shops, mills and foundries, with total running time not over 50% of the work period. Manual or automatic cycling operations of lighter loads with capacity loads handled infrequently such as in heat treating and plating operations, with total running time frequently at 50% of the work period.	30 minutes (50%)	300	30 minutes	300
H5	Bulk handling of material in combination with buckets, magnets or other heavy attachments. Equipment often cab operated and duty cycles approaching continuous operation are frequently necessary. Equipment is engineered per application.	60 minutes (100%)	600	*Not applicable	*Not applicable

*Note applicable since there are not infrequent work periods in class H5 service.