

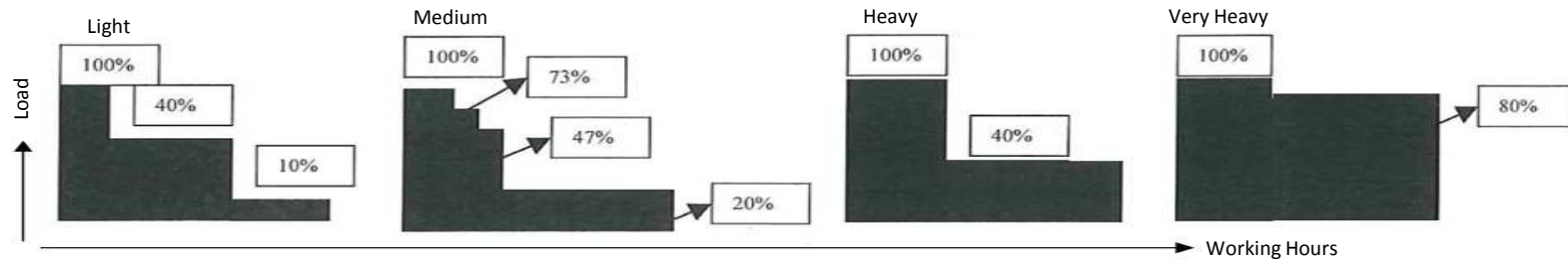
# WI - Hoist Duty Classification



The duty classification of hoist unit is based on following:

1. loadspectrum
2. Average operating Hours per working day.
3. Hoisting Speeds
4. Environment

## 1). Loadspectrum



COMPANY Daily Working Hours	Typical Area of Application	HOIST DUTY CLASSIFICATION				Electric Installation		Average Operating Hours/day			
		ISO European	ASME American	GOST Russian	FEM Valid Any More	Start / Stop	% ED Electric Motor	Load Spectrum			
								Light	Medium	Heavy	Very Heavy
With Idle Time 1-6 Months	Powerhouse & utilities. Infrequent handling. Hoists used primarily to install & service heavy equipment. Where loads infrequently approach rated load.	M3	H1	1M	1 Bm	75	25	1-2	0.5-1	0.25-0.5	0.1-0.25
4 Hours	Light machine shop, fabricating service, and maintenance. Loads and utilization randomly distributed. Rated loads infrequently handled.	M4	H2	2M	1Am	75	30	2-4	1-2	0.5-1	0.25-0.5
8 Hours	General machine shop, fabricating, assembly, storage, and warehousing. Loads and utilization randomly distributed. Total running time not over 25% of the work period.	M5	H3	3M	2m	150	40	4-8	2-4	1-2	0.5-1
16 Hours	High volume handling of heavy loads, frequently near rated load in steel warehousing, machine and fabricating shops, mills, and foundries, with total running time not over 50% of the work period.	M6	H4	4M	3m	300	50	8-16	4-8	2-4	1-2
24 Hours	Bulk handling of material in combination with buckets. Magnets or other heavy attachments. Equipment often cab operated. Duty cycles approaching continuous operation are frequently necessary. User must specify exact details of operation, including weight of attachments.	M7	H5	5M	4m	600	100	16-24	8-16	4-8	2-4
		M8		6M	5m	∞	100	24	16-24	8-16	2-5

**Engineering**

**Production**

**Installation**

**Maintenance**

**Certification**

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