Selection SELECTION CRITERIA

SELECTION ONTENIA

To choose the right hoists the following criteria should be taken account:

1. What will be the maximum loading capacity?

2. What will be the maximum lifting height?

3. What hoisting speed is to be employed?

4. Will an auxiliary reduced lifting speed be required?

5. What will the operational conditions be?

6. What will the travelling speed be, if required?

7. How do you need to operate the hoists?

The type of the hoists is to be defined in

accordance with the load spectrum, the average operating time per day in hours, the loading capacity and the reeving.

SELECTION EXAMPLE

Loading capacity		- 4000 kg
Average lifting path of the hook (I	H)	- 5 m
Hoisting speed (N	/)	- 4 m/min
Reeving		- 4/1
Load spectrum		- "medium"
Cycles per hour (N	(F	- 15
Average operating time per day (1	Γ)	- 6 hours

The average operating time per day of the hoist is to be calculated in the in the following manner:

Tm =
$$\frac{2 \text{ x H x N x T}}{60 \text{ x V}} = \frac{2 \text{ x 5 x 15 x 6}}{60 \text{ x 4}} = 3.75$$
 hours

For the "medium" load spectrum and average operating time per day of 3.75 hours the group "2m" is shown in table "LOAD SPECTRUM-CLASS OF OPERATING TIME". For loading capacity of 4000 kg and 4/1 reeving

the type of the hoist "**MHM 4-10**" or "**MH 6-10**" is shown in table 1 - "TYPE SELECTION".



