

## Electric chain hoist PLANETA-GCH-EX with top hook suspension or top lug suspension with contactor control (low voltage)



### Housing

- Cast aluminium housing with maximum solidity (no plastic material)
- For extreme working conditions: casted cooling gills

### Motor

- Design for tough working conditions
- Normal, fast and super fast speed models available

### Speed

- With one or two speeds

### Brake

- Maximum safety (construction: brake after slipping clutch)
- New advanced brake design

### Capacities

- According ISO (FEM)-classes

### Protection

- Isolation class F

### Voltage

- Standard is 3-ph-400V-50 Hz
- Other voltages available

### Chain wheel

- Made of hardened steel
- With additional chain pockets (4 mm): hence quiet running

### Hoisting chain

- Zinc plated acc. DIN EN 818-7-T
- Surface-hardened

### Geared limit switch (standard)

- Simple adjustment
- Exact positioning

### Contactor control system

- Simple technology (no electronics susceptible to interference)
- 42 V control system allowing highest safety of operation

### Classification

II 3D Ex tc IIIA T130 °C Db



TYPE	Capacities in kg acc. ISO (FEM)*					Lifting speed with load m/min	Number of chain falls	Chain size mm	Motor power kW	3 x 400 V 50 Hz A	Weight with 3 m lift kg	Weight each meter add. lift kg	Order No. GCH-EX with 3 m lift	Order No. Add. lift per m**
	M3 (1Bm)	M4 (1Am)	M5 (2m)	M6 (3m)	M7 (4m)									
GCH 1600/1N	1,600	1,250	1,000	800	630	8	1	9 x 27	2.44	6.0	63	1.75	H20700	H20095
GCH 1600/1NF	1,600	1,250	1,000	800	630	8/2	1	9 x 27	2.44/0.61	6.6/4.2	65	1.75	H20701	H20095
GCH 1600/1SF	1,000	800	630	500	400	12.5/3	1	9 x 27	2.39/0.58	6.6/4.2	65	1.75	H20702	H20095
GCH 1600/2N	3,200	2,500	2,000	1,600	1,250	4	2	9 x 27	2.44	6.0	73	3.5	H20703	H20096
GCH 1600/2NF	3,200	2,500	2,000	1,600	1,250	4/1	2	9 x 27	2.44/0.61	6.6/4.2	75	3.5	H20704	H20096
GCH 1600/2SF	2,000	1,600	1,250	1,000	800	6.25/1.5	2	9 x 27	2.39/0.58	6.6/4.2	75	3.5	H20705	H20096
GCH 2000/1N	2,000	1,600	1,250	1,000	800	8	1	10 x 28	3.05	7.3	65	2.25	H20706	H20101
GCH 2000/1NF	2,000	1,600	1,250	1,000	800	8/2	1	10 x 28	3.05/0.77	8.0/4.5	67	2.25	H20707	H20101
GCH 2000/1SF	1,250	1,000	800	630	500	12.5/3	1	10 x 28	2.98/0.72	8.0/4.5	67	2.25	H20708	H20101
GCH 2000/2N	4,000	3,200	2,500	2,000	1,600	4	2	10 x 28	3.05	7.3	76	4.5	H20709	H20102
GCH 2000/2NF	4,000	3,200	2,500	2,000	1,600	4/1	2	10 x 28	3.05/0.77	8.0/4.5	78	4.5	H20710	H20102
GCH 2000/2SF	2,500	2,000	1,600	1,250	1,000	6.25/1.5	2	10 x 28	2.98/0.72	8.0/4.5	78	4.5	H20711	H20102
GCH 2500/1N	2,500	2,000	1,600	1,250	1,000	6.4	1	10 x 28	3.05	7.7	65	2.25	H20712	H20103
GCH 2500/1NF	2,500	2,000	1,600	1,250	1,000	6.4/1.6	1	10 x 28	3.05/0.77	8.2/4.4	67	2.25	H20713	H20103
GCH 2500/1SF	1,600	1,250	1,000	800	630	10/2.5	1	10 x 28	3.05/0.77	8.2/4.4	67	2.25	H20714	H20103
GCH 2500/2N	5,000	4,000	3,200	2,500	2,000	3.2	2	10 x 28	3.05	7.7	76	4.5	H20715	H20104
GCH 2500/2NF	5,000	4,000	3,200	2,500	2,000	3.2/0.8	2	10 x 28	3.05/0.77	8.2/4.4	78	4.5	H20716	H20104
GCH 2500/2SF	3,200	2,500	2,000	1,600	1,250	5/1.25	2	10 x 28	3.05/0.77	8.2/4.4	78	4.5	H20717	H20104

\* FEM classification: Quantity of starts at pendant control per hour

M3 (1Bm) = 150 starts per hour, 25% duty cycle    M7 (4m) = 360 starts per hour, 60% duty cycle

M4 (1Am) = 180 starts per hour, 30% duty cycle

M5 (2m) = 240 starts per hour, 40% duty cycle

M6 (3m) = 300 starts per hour, 50% duty cycle

\*\* Load chain and control cable

Version: Typ N =Single speed

Typ NF=Two speeds

Typ SF =Fast speed and slow speed

Typ HF =High speed and slow speed

TYPE GCH-EX ...	1600/1	1600/2	2000/1	2000/2	2500/1	2500/2
A (Dimensions) mm	424	424	424	424	424	424
B mm	389	389	389	389	389	389
C mm	345	345	345	345	345	345
D mm	75	75	75	75	75	75
E mm	323	323	323	323	323	323
F mm	259	259	259	259	259	259
G mm	217	217	217	217	249	249
H mm	608	690	608	690	608	690
J mm	637	719	637	719	637	719
K mm	646	646	646	646	646	646
M mm	638	720	638	720	638	720
N mm	50	50	50	50	50	50

