Mehregan Crane
Engineering & Manufacturing Co.

ABM Greiffenberger
We put ideas into gear

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آدرس دفتر مرکزی: تهران، خیابان آزادی، بین خوش و بهبودی، ساختمان بانک سینا، پلاک۱۹، واحد۳
تلفن: ۶۶۸۹۴۲۸۴ – ۶۶۸۹۱۲۹۷   فکس: ۶۶۸۶۰۶۴۷
آدرس کارخانه: کیلومتر ۳۰ جاده تهران – ساوه، بعد از سه راهی آدران، خیابان قرمز، کوچه دوم، پلاک۶
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شرکت مهندسی و جرثقیل سازی مهرگان:

نماینده انحصاری شرکت ABM آلمان در ایران

با هدف تمرکز و فعالیت در زمینه‌های طراحی، ساخت و نصب و راه‌اندازی انواع :

✓جرثقیل‌های سقفی تک‌پل و دو پل ✓جرثقیل‌های دروازه‌ای و نیم دروازه‌ای تک‌پل و دو پل

با اخذ جواز تأسیس از وزارت صنایع ومعادن در زمینه تخصصی صنایع ماشین سازی و تجهیزات در سال ۱۳۷۶ تاسیس گردید.

این شرکت با داشتن دفتر طراحی و مهندسی و کارخانه مجهز و تولید و پیش ساخت قطعات و اقلام استاندارد و بالابرها در تناژهای مختلف توانایی انجام عملیات ساخت و نصب و راه‌اندازی انواع جرثقیل‌ها را در کمترین زمان ممکن ودر بالاترین کیفیت دارا می‌باشد

رعایت استانداردهای مرتبط با جرثقیل‌سازی وضوابط کنترل کیفی پایه و اساس تولید جرثقیل مهرگان می باشد.

دراین راستا کلیه قطعات انتخابی جهت ساخت جرثقیل‌ها در تطابق کامل با استانداردهای جرثقیل سازی کشور آلمان می‌باشد.

کلیه جوشکاران دارای گواهی تایید جوشکاری از شرکت بازرسی آزمون راد مطابق تست کیفی تایید شده توسط موسسه متالوژی رازی تحت نظارت مهندسین جوش وبازرسی می‌باشند. کلیه قطعات ماشین کاری نیز با ماشین‌های CNC تولید می گردند.

جرثقیل مهرگان با اخذ مجوز همکاری از شرکت ABM آلمان توانسته پاسخگویی نیازهای مهندسی جهت تولید جرثقیل‌های تخصصی تا رژیم کاری FEM:4m- ISO:M7 وظرفیت ۱۲۰ تن بصورت COMPACT درایران باشد .

جرثقیل‌های تولیدی این شرکت در تطابق با شرکت ABUS آلمان که زیر مجموعه ABM می‌باشد، تولید می‌گردند.

شرکت ABM آلمان با تولید بیش از یک میلیون دستگاه Hoist Drive Unit تا تناژ ۱۲۰ تن و بیش از ۱۰۰ سال سابقه پیشرو در صنعت وتکنولوژی بالا بری می‌باشد.

اقلام برقی شامل سیستم‌های برق رسان طولی وعرضی– تابلو برق– شاسی کنترل و ریموت کنترل از مرغوب ترین نوع وبالابرها و موتور گیربکس‌های حرکت های عرضی وطولی نیز از نوع ABM آلمان می‌باشد.

این شرکت با تکیه بر تجربه و دستیابی به تکنولوژی توانایی طراحی و ساخت ونصب و راه‌اندازی انواع جرثقیل‌های سقفی و دروازه‌ی تا تناژ ۵۰۰ تن را مطابق استانداردهای FEM ، DIN ، CMAA به صورت Open Winch تا رژیم کاری FEM:5m- ISO:M8 دارا می باشد

کلیه جرثقیل‌های این شرکت بمدت یکسال تحت پوشش گارانتی و ۱۰ سال تحت پوشش خدمات پس از فروش مکانیزه می‌باشند .

جهت اطمینان کارشناسان مهرگان آماده ارائه مشاوره جهت بهترین انتخاب به مهندسین و خریداران محترم می‌باشند.

We lift you up On the move-with new ideas

Mehregan crane is certified in accordance with experience

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Engineering & Manufacturing Co.

ABM Greiffenberger
We put ideas into gear

ABM
DRIVE TECHNOLOGY
for cranes and hoists

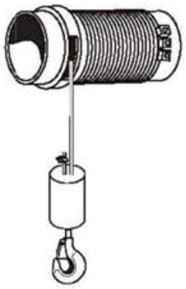
Explanation of Hoist type designation

GH 3201 E P - 3200 - 2m- 4 - 4 - 1 - 6m - 20

- Main trolley speed (m/min)
- Hook path (m)
- No. of driven ropes
- No. of falls
- Main hook speed
- FEM group
- Load capacity (kg)
- Motor type
- Hoist type
- Hoist unit size
- Line of products

Reeving of the Electric Wire Rope Hoist

1/1



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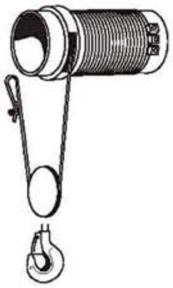

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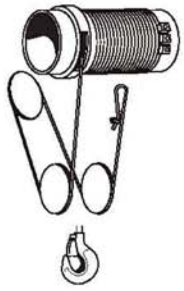

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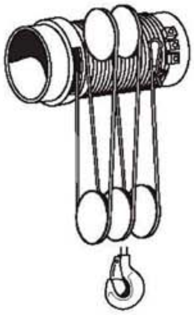

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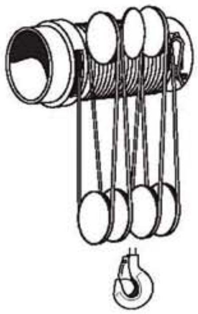

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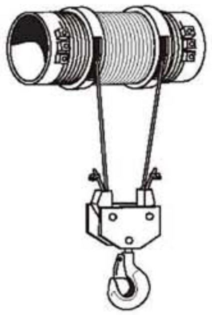

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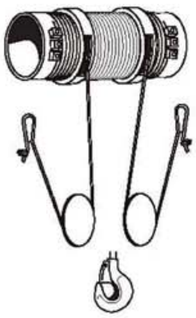

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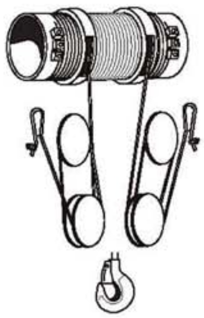

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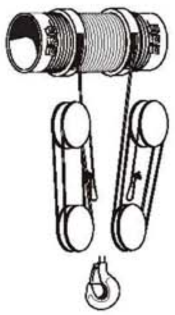

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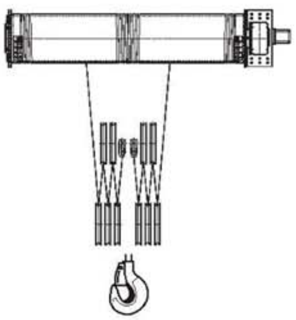

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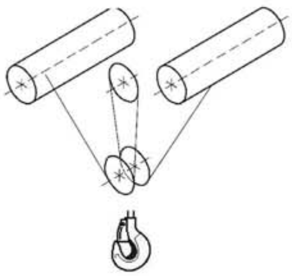

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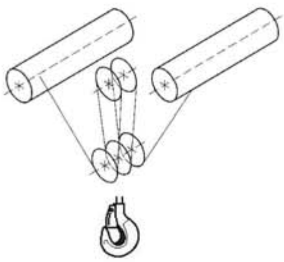

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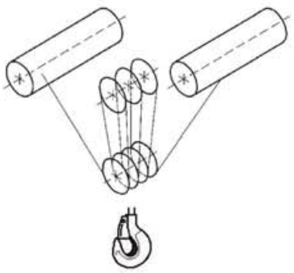

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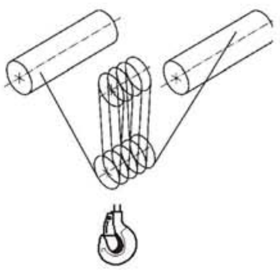


ABM Hoist Motors

ABM hoist motors are available in different frame sizes with outputs from 0.37 to 24 kW.

Special features:

- High start and stall torque
- Soft and safe acceleration
- High power density
- Long lifetime

Technical features:

- Specification according to FEM, HMI, etc.
- Low start current
- Quiet operation
- Dynamic acceleration characteristic
- Optimised switching properties for 2-speed motors
- Double-surface safety brake
- Upgraded insulation for inverter operation

ABM Hoist Units

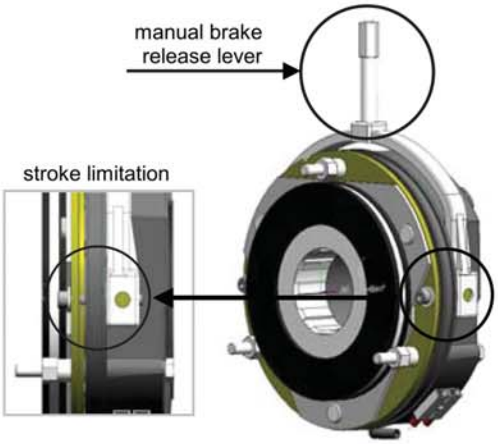
The ABM range of hoist units offers specifically geared motors with brakes for direct drive of rope drums in five sizes. The hoist unit design is based on FEM calculations for standard lifting gear allowing safe and reliable lifting of loads from 3.2 to 25 tons in 4/1 falls.

Advantages for the user:

- Compact and heavy duty drive units
- Large axis base for assembly in U-design
- Direct mounting of rope drums
- Available in lifting speeds of 4 / 5 / 6.3 and 8 m/min (4/1 falls)
- Low weight of drive unit
- Easy to mount

Technical features:

- Motor housing and gearbox made of aluminum
- Common interfaces for hoist units
- Low-noise gearing design
- Lifetime lubrication
- Double-surface brake



ABM Brakes

For hoist motors and units brakes are generally designed as double-surface safety brakes and offer the following advantages:

- Reliable operation and high cycle frequency
- Minimal wear / long life time
- (1 Million cycles without adjustment)
- Automatic braking in case of power loss
- Safe braking by minimized load swinging
- Asbestos-free brake pads
- Stroke limitator for wear indication

drive group (FEM group) selection

Apart from the type of hoist required, the load capacity, the hook path and the lifting speed, the drive or FEM group is one of the main criteria to consider when selecting a hoist. The drive group must be selected to ensure that the hoist is used for its intended purpose. Standard hoists are normally designed for a mean theoretical service life of 10 years, subject to operation in accordance with FEM 9.511. If the drive group selected is not appropriate in view of actual service conditions, the actual service life may be considerably shorter than 10 years. The results are excessive expenditure for maintenance, repairs and overhauls.
The crane operator is under an obligation to take appropriate action to ensure that the expended portion of the service life does not exceed the theoretical service life stated in the operating instructions. When the theoretical service life has expired, the hoist must be decommissioned. Continued operation is allowed if it has been determined that there are no objections to continued operation and the conditions for continued operation have been defined. Normally, a full overhaul of the hoist will be required. In general, the inspector requires the hoist to be overhauled.
The objective of these requirements is to ensure that each hoist is only operated within its safe working period (S.W.P.).

The following table indicates the theoretical service life D in hours for FEM groups 1Bm, 1Am, 2m, 3m and 4m.

	Drive group	1Bm /M3	1Am/M4	2m/M5	3m/M6	4m/M7
Line	load spectrum	Theoretical service line D (h)				
1	light	3200	6300	12500	25000	50000
2	medium	1600	3200	6300	12500	25000
3	heavy duty	800	1600	3200	6300	12500
4	very heavy duty	400	800	1600	3200	6300

In addition to the mean working time per day, t_m (total hours cumulated of operation of the hoist per day), the correct assessment of the load spectrum is essential for selecting the appropriate drive group. The value t_m is given by the following equation:

$$t_m = \frac{2 \text{ x mean lifting height (m) x load cycles (1/h) x working time (h/day)}}{60 \text{ (min/h) x lifting speed (m/min)}}$$

Mean lifting height:
the average hook travel under actual operating conditions

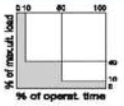
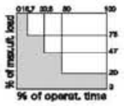
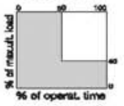
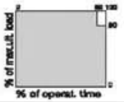
Load cycles:
the average number of lifting operations per hour. A load cycle consists of one lifting and one lowering operation, i.e. two hook movements (lifting operations with an empty hook as a result of process conditions must also be taken into account in determining load cycles, but also make the load spectrum determined less severe).

Working time:
average working time per day within which the above-mentioned average load cycles per hour are performed.

Lifting speed:
average lifting speed (normally the maximum lifting speed) at which the load cycles are performed.

The selection of the next highest FEM group results in a doubling of the theoretical service life if the operating conditions assumed remain unchanged.

If the mean working time tm and the load spectrum are known, the correct drive group in accordance with DIN 15020 or FEM 9.755 can be selected using the following table.

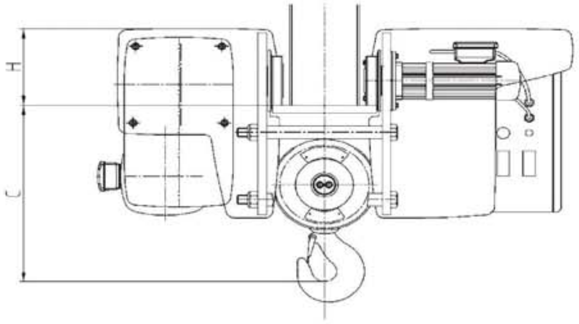
Load spectrum	Definition of load spectrum	Mean working time t_m per working day in h				
1 (light)	(k ≤ 0.50) only operated at maximum load in exceptional cases, mainly operated at very low load, small dead load 	≤ 2	2 – 4	4 – 8	8 – 16	> 16
2 (medium)	(0.50 < k ≤ 0.63) operated quite frequently at maximum load, operated continuously at low load, medium dead load 	≤ 1	1 – 2	2 – 4	4 – 8	8 – 16
3 (heavy duty)	(0.63 < k ≤ 0.80) operated frequently at maximum load, operated continuously at medium load, heavy dead load 	≤ 0,5	0,5 – 1	1 – 2	2 – 4	4 – 8
4 (very heavy duty)	(0.80 < k ≤ 1) operated regularly at maximum load, very heavy dead load 	≤ 0,25	0,25 – 0,5	0,5 – 1	1 – 2	2 – 4
Drive/FEM group in accordance with DIN 15020 or FEM 9.511		1Bm	1Am	2m	3m	4m

Wire Rope Hoist Unit For Single Girder Cranes

Type E – monorail hoist

A compact designed monorail hoist with low headroom dimensions and drive cross travel motors.
The cross travel trolley is adjustable to suit various flange widths. These most cost effective and frequently ordered hoists have a load range from 1 t to 12.5 t SWL.

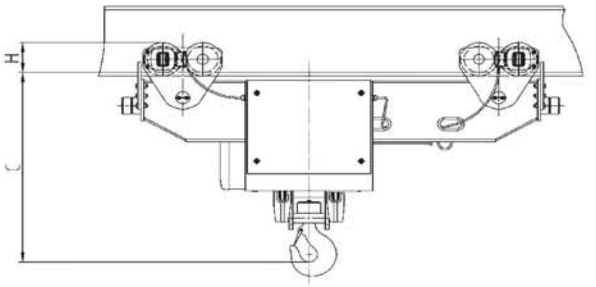
Model	Reeving	Load cap. (t)	Hook path (m)			C (mm)	H (mm)
GH 3201E	2/1	1,6	12	18	--	400	176
	4/1	3,2	6	9	--		
GH5000E	2/1	3,2	12	18	24	580	213
	4/1	6,3	6	9	12	500	213
GH12500E	2/1	6,3	12	20	24	665	251
	4/1	12,5	6	10	12	580	251
GH20000E	2/1	10,0	12	20	30	830	273
GH25000E	2/1	10,0	12	20	30	830	293
	2/1	12,5	12	20	30	830	293



Type U – monorail hoist with twin trolleys

A monorail hoist with twin trolleys for high load capacities and long hook paths. Cross travel trolley designed for direct drive without exposed reduction gearing.
As the load is distributed over eight wheels, ordinary rolled section beams can be used for monorail track applications. With short spans, even high-load cranes can be operated on ordinary rolled section beams using this hoist. Load capacity range: 6.3 t to 25 t.

Model	Reeving	Load cap. (t)	Hook path (m)				C (mm)
GH16000 U	2/1	8,0	12	20	30	37	1256
	4/1	16,0	6	10	15	18	1241
GH20000 U	2/1	10,0	12	20	30	37	1256
	4/1	20,0	6	10	15	18	1241
GH25000 U	2/1	12,5	12	20	30	37	1256
	4/1	25,0	6	10	15	18	1241
GH40000U	2/1	20,0	12	16	30	45	1615

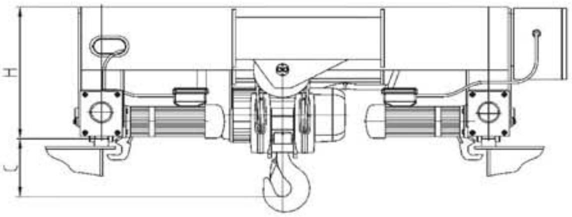


Wire Rope Hoist Unit for Double Girder Cranes

Type D – standard crab unit

A compact designed crab unit for the medium load capacity range, with articulated end carriage joints ensuring positive contact of all four wheels with the track, with direct drive cross travel motors.
Load capacity range: 1 Ton to 80 Ton

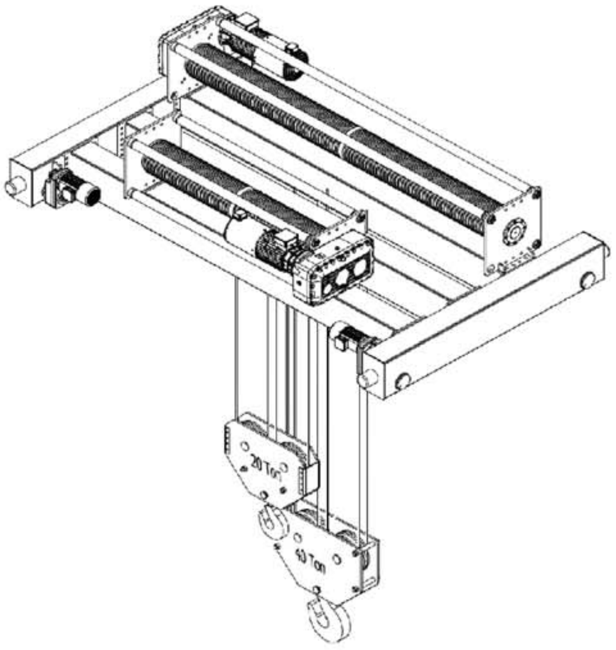
Articulated end carriage joint



Model	Reeving	Load cap. (t)	Hook path (m)				C (mm)	H (mm)
GH3201 D	4/1	3,2	6	9	--	--	149	460
GH5000D	2/1	3,2	12	18	24	--	300	500
	4/1	6,3	6	9	12	--	220	500
GH12500D	2/1	6,3	12	20	30	--	320	560
	4/1	12,5	6	10	15	--	260	590
	6/1	20,0	6	10	--	--	429	756
GH16000 D	2/1	8,0	12	20	30	--	445	610
	4/1	16,0	6	10	15	--	385	720
	6/1	25,0	6	10	12,3	--	611	945
GH20000D	2/1	10,0	12	20	30	37	445	610
	4/1	20,0	6	10	15	18,5	385	720
	6/1	30,0	6	10	12,3	--	611	945
GH25000D	2/1	12,5	12	20	30	37	520	660
	4/1	25,0	6	10	15	18,5	350	900
	6/1	35,0	6	10	--	--	520	945
GH40000DP	2/1	15,0	24	36	--	--	572	987
	4/1	30,0	12	18	--	--	500	995
	6/1	40,0	8	12	--	--	722	1218
	8/1	50,0	6	9	--	--	1000	1500
GH40000DF	2/1	20,0	24	36	48	--	572	987
	4/1	40,0	12	18	24	--	500	995
	6/1	63,0	8	12	16	--	722	1218
	8/1	80,0	6	9	12	--	1000	1500

Type TV - True vertical lift

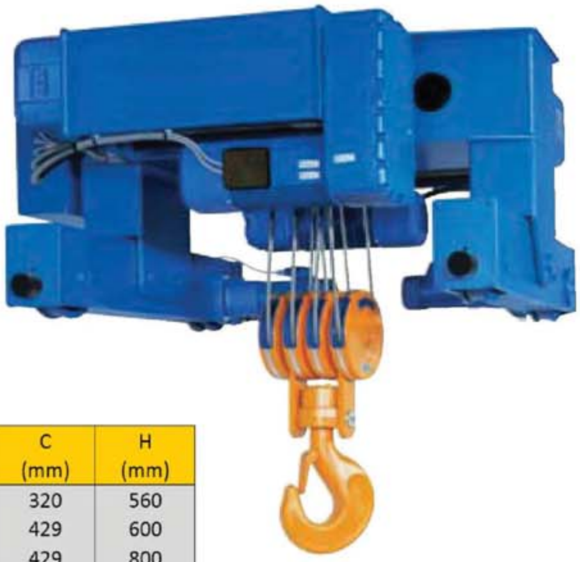
without hook swinging or turning



Model	Reeving	Load cap. (t)	Hook path (m)				C (mm)	H (mm)
GH12500TV	2/2	3,2	24	40	60	--	320	560
	4/2	6,3	12	20	30	--	429	600
	8/2	12,5	6	10	15	--	429	800
GH16000TV	2/2	4,0	24	40	60	--	413	1030
	4/2	8,0	12	20	30	--	800	1030
	8/2	16,0	6	10	15	--	800	1030
GH20000TV	2/2	5,0	24	40	60	--	413	1030
	4/2	10,0	12	20	30	--	800	1030
	8/2	20,0	6	10	15	--	800	1030
GH25000TV	2/2	6,3	24	40	60	72	419	1080
	4/2	12,5	12	20	30	36	643	1080
	8/2	25,0	6	10	15	18	643	1080
GH40000TV	2/2	7,5	48	80	120	144	473	1107
	4/2	15,0	24	40	60	72	897	1218
	8/2	30,0	12	20	30	36	915	1275
	12/2	40,0	6	10	15	18	1000	1265
GH40000TVF	2/2	10,0	48	80	120	144	473	1107
	4/2	20,0	24	40	60	72	897	1218
	8/2	40,0	12	20	30	36	915	1275
	12/2	63,0	6	10	15	18	1000	1265

Wire Rope Hoist Unit for Twin Hoist - Type Z

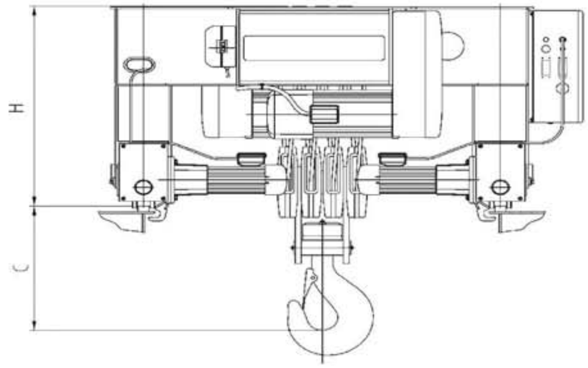
A compact designed crab unit with twin barrels and articulated end carriage joints ensuring positive contact of all four wheels with the track, two direct drive cross travel motors. Load capacity range: 8 To 120 TON



Model	Hoist unit	Reeving	Load cap. (t)	Hook path (m)				C (mm)	H (mm)
GH 25000Z	GH 12500	4/2	12,5	12	20	30	--	320	560
		6/2	16,0-20,0	8	13	20	--	429	600
		8/2	25,0	6	10	15	--	429	800
GH 32000 Z	GH 16000	4/2	16,0	12	20	30	--	413	1030
		6/2	25,0	8	13	20	--	800	1030
		8/2	32,0	6	10	15	--	800	1030
GH 40000 Z	GH 20000	4/2	20,0	12	20	30	--	413	1030
		6/2	30,0	8	13	20	--	800	1030
		8/2	40,0	6	10	15	--	800	1030
GH 50000 Z	GH 25000	4/2	25,0	12	20	30	37	419	1080
		6/2	35,0	8	13	20	24	643	1080
		8/2	50,0	6	10	15	18,5	643	1080
GH 63000 ZP	GH 40000P	4/2	25,0	15	20	30	45	473	1107
		6/2	40,0	10	13	20	30	897	1218
		8/2	50,0	7,5	10	15	22,5	915	1275
		10/2	63,0	6	8	12	18	1000	1265
GH 80000 ZF	GH 40000F	4/2	40,0	15	20	30	45	473	1107
		6/2	63,0	10	13	20	30	897	1218
		8/2	80,0	7,5	10	15	22,5	915	1275
		10/2	100,0	6	8	12	18	1000	1265
		12/2	120,0	5	6,5	10	15	1100	1500

Vario-Speed for type Z

Vario-Speed offers four different lifting speeds for twin barrel hoists. This feature is obtained by operating the two pole change hoist motors either together or alternately.
The operating times of the hoist motors in alternating operation are controlled by special software as a function of travel, taking into consideration the maximum rope deflection allowed.
Four lifting speeds are obtained by combining parallel and alternating operation.



Wire Rope Hoist Unit Selection Table for Monorail Hoists, type E

SWL (kg)	Two speeds with pole changing motors										
	Type	Reeving	FEM	ISO	Hook path (m)				Speeds (m/min)		
									Power (KW)		
1 600	GH 3201EP	**2/1**	2m	M5	12	18	--	--	8/1,3	10/1.6	12.6/2
									2.5/0.37	3.2/0.45	4/0.6
	GH 3201 EP	**4/1**	4m	M7	6	9	--	--	4/0.66	5/0.8	6.3/1
									2.5/0.37	3.2/0.45	4/0.6
2 000	GH 3201 EP	**4/1**	4m	M7	6	9	--	--	4/0.66	5/0.8	6.3/1
									2.5/0.37	3.2/0.45	4/0.6
	GH 5000 EP	**2/1**	4m	M7	12	18	24	--	8/1,3	10/1.6	12.6/2
									4.9/0.8	6.1/1	7.7/1.3
3 200	GH 3201 EP	**4/1**	2m	M5	6	9	--	--	4/0.66	5/0.8	6.3/1
									2.5/0.37	3.2/0.45	4/0.6
	GH 5000 EP	**2/1**	2m	M5	12	18	24	--	8/1,3	10/1.6	----
									4.9/0.8	6.1/1	----
4 000	GH 5000 EP	**4/1**	4m	M7	6	9	12	--	4/0.66	5/0.8	----
									4.9/0.8	6.1/1	----
	GH 12500 EP	**2/1**	4m	M7	12	18	24	30	8/1,3	----	----
									9.5/1.5	----	----
5 000	GH 5000 EP	**4/1**	3m	M6	6	9	12	--	4/0.66	5/0.8	----
									4.9/0.8	6.1/1	----
	GH 12500 EP	**2/1**	3m	M6	12	18	24	30	8/1,3	----	----
									9.5/1.5	----	----
	GH 16000 EP	**2/1**	4m	M7	12	18	24	30	8/1.3	----	----
									12.5/2	----	----
6 300	GH 5000 EP	**4/1**	2m	M5	6	9	12	--	4/0.66	5/0.8	----
									4.9/0.8	6.1/1	----
	GH 12500 EP	**2/1**	2m	M5	12	18	24	30	8/1,3	----	----
									9.5/1.5	----	----
	GH 16000 EP	**2/1**	3m	M6	12	18	24	30	8/1.3	----	----
									12.5/2	----	----
8 000	GH 12500 EP	**4/1**	4m	M7	6	9	12	15	4/0.66	----	----
									9.5/1.5	----	----
	GH 16000 EP	**2/1**	2m	M5	12	18	24	30	8/1.3	----	----
									12.5/2	----	----
	GH 25000 EP	**2/1**	4m	M7	12	18	24	30	6.8/1	8.46/1.3	10.7/1.6
									16/2.6	16/2.6	16/2.6
10 000	GH 12500 EP	**4/1**	3m	M6	6	9	12	15	4/0.66	----	----
									9.5/1.5	----	----
	GH 16000 EP	**4/1**	4m	M7	6	9	12	15	4/0.66	----	----
									12.5/2	----	----
	GH 25000 EP	**2/1**	2m	M5	12	20	30	37	6.8/1	----	----
									16/2.6	----	----
12 500	GH 12500 EP	**4/1**	2m	M5	6	9	12	15	4/0.66	----	----
									9.5/1.5	----	----
	GH 25000 EP	**2/1**	1Am	M4	12	20	30	37	6.8/1	----	----
									16/2.6	----	----

All data may be subject to changes in technical specifications

Wire Rope Hoist Unit Selection Table for Monorail Hoists, type E

SWL (kg)	Two speeds with frequency inverter operation										
	Type	Reeving	FEM	ISO	Hook path (m)				Speeds (m/min)		
									Power (KW)		
1 600	GH 3201 EF	**2/1**	2m	M5	12	18	--	--	8/1,3	10/1.6	12.6/2
									2.5	3.2	4
	GH 3201 EF	**4/1**	4m	M7	6	9	--	--	4/0.66	5/0.8	6.3/1
									2.5	3.2	4
2 000	GH 3201 EF	**4/1**	4m	M7	6	9	--	--	4/0.66	5/0.8	6.3/1
									2.5	3.2	4
	GH 5000 EF	**2/1**	4m	M7	12	18	24	--	8/1,3	10/1.6	12.6/2
									4.9	6.1	7.7
3 200	GH 3201 EF	**4/1**	2m	M5	6	9	--	--	4/0.66	5/0.8	6.3/1
									2.5	3.2	4
	GH 5000 EF	**2/1**	2m	M5	12	18	24	--	8/1,3	10/1.6	----
									4.9	6.1	----
4 000	GH 5000 EF	**4/1**	4m	M7	6	9	12	--	4/0.66	5/0.8	----
									4.9	6.1	----
	GH 12500 EF	**2/1**	4m	M7	12	18	24	30	8/1,3	----	----
									9.5	----	----
5 000	GH 5000 EF	**4/1**	3m	M6	6	9	12	--	4/0.66	5/0.8	----
									4.9	6.1	----
	GH 12500 EF	**2/1**	3m	M6	12	18	24	30	8/1,3	----	----
									9.5	----	----
	GH 16000 EF	**2/1**	4m	M7	12	18	24	30	8/1.3	----	----
									12.5	----	----
6 300	GH 5000 EF	**4/1**	2m	M5	6	9	12	--	4/0.66	5/0.8	----
									4.9	6.1	----
	GH 12500 EF	**2/1**	2m	M5	12	18	24	30	8/1,3	----	----
									9.5	----	----
	GH 16000 EF	**2/1**	3m	M6	12	18	24	30	8/1.3	----	----
									12.5	----	----
8 000	GH 12500 EF	**4/1**	4m	M7	6	9	12	15	4/0.66	----	----
									9.5	----	----
	GH 16000 EF	**2/1**	2m	M5	12	18	24	30	8/1.3	----	----
									12.5	----	----
	GH 25000 EF	**2/1**	4m	M7	12	18	24	30	6.8/1	8.46/1.3	10.7/1.6
									16	16	16
10 000	GH 12500 EF	**4/1**	3m	M6	6	9	12	15	4/0.66	----	----
									9.5	----	----
	GH 16000 EF	**4/1**	4m	M7	6	9	12	15	4/0.66	----	----
									12.5	----	----
	GH 25000 EF	**2/1**	2m	M5	12	20	30	37	6.8/1	----	----
									16	----	----
12 500	GH 12500 EF	**4/1**	2m	M5	6	9	12	15	4/0.66	----	----
									9.5	----	----
	GH 25000 EF	**2/1**	1Am	M4	12	20	30	37	6.8/1	----	----
									16	----	----

All data may be subject to changes in technical specifications

Wire Rope Hoist Unit Selection Table for Monorail Hoists with twin trolleys , type U

SWL (kg)	Two speeds with pole changing motors										
	Type	Reeving	FEM	ISO	Hook path (m)				Speeds (m/min) Power (KW)		
8 000	GH 12500 UP	**4/1**	4m	M7	6	9	12	15	4/0.66	----	----
									9.5/1.5	----	----
	GH 16000 UP	**2/1**	2m	M5	12	18	24	30	8/1.3	----	----
									12.5/2	----	----
	GH 25000 UP	**2/1**	4m	M7	12	18	24	30	6.8/1	8.46/1.3	10.7/1.6
									16/2.6	16/2.6	16/2.6
10 000	GH 12500 UP	**4/1**	3m	M6	6	9	12	15	4/0.66	----	----
									9.5/1.5	----	----
	GH 16000 UP	**4/1**	4m	M7	6	9	12	15	4/0.66	----	----
									12.5/2	----	----
	GH 25000 UP	**2/1**	2m	M5	12	20	30	37	6.8/1	----	----
									16/2.6	----	----
12 500	GH 12500 UP	**4/1**	2m	M5	6	9	12	15	4/0.66	----	----
									9.5/1.5	----	----
	GH 25000 UP	**2/1**	1Am	M4	12	20	30	37	6.8/1	----	----
									16/2.6	----	----
	GH 40000 UP	**2/1**	3m	M6	12	20	30	37	6.7/1.68	----	----
									20/5	----	----
16 000	GH 16000 UP	**4/1**	2m	M5	6	9	12	15	4/0.66	----	----
									12.5/2	----	----
	GH 25000 UP	**4/1**	3m	M6	6	9	12	15	3.4/0.53	----	----
									16/2.6	----	----
	GH 40000 UP	**2/1**	2m	M5	18	24	36	48	6.7/1.68	----	----
									20/5	----	----
20 000	GH 20000 UP	**4/1**	1Am	M6	6	9	12	15	8/1.3	----	----
									16/2.6	----	----
	GH 25000 UP	**4/1**	2m	M5	6	9	12	15	3.4/0.53	----	----
									16/2.6	----	----
	GH 40000 UP	**4/1**	4m	M7	9	12	18	24	3.35/0.83	----	----
									20/5	----	----
25 000	GH 25000 UP	**4/1**	1Am	M4	6	9	12	15	3.4/0.53	----	----
									16/2.6	----	----
	GH 40000 UP	**4/1**	3m	M6	9	12	18	24	3.35/0.83	----	----
									20/5	----	----

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Wire Rope Hoist Unit Selection Table for Monorail Hoists with twin trolleys , type U

SWL (kg)	Two speeds with frequency inverter operation										
	Type	Reeving	FEM	ISO	Hook path (m)				Speeds (m/min) Power (KW)		
8 000	GH 12500 UF	**4/1**	4m	M7	6	9	12	15	4/0.66 9.5	---- ----	---- ----
	GH 16000 UF	**2/1**	2m	M5	12	18	24	30	8/1.3 12.5	---- ----	---- ----
	GH 25000 UF	**2/1**	4m	M7	12	18	24	30	6.8/1 16	8.46/1.3 16	10.7/1.6 16
10 000	GH 12500 UF	**4/1**	3m	M6	6	9	12	15	4/0.66 9.5	---- ----	---- ----
	GH 16000 UF	**4/1**	4m	M7	6	9	12	15	4/0.66 12.5	---- ----	---- ----
	GH 25000 UF	**2/1**	2m	M5	12	20	30	37	6.8/1 16	---- ----	---- ----
12 500	GH 12500 UF	**4/1**	2m	M5	6	9	12	15	4/0.66 9.5	---- ----	---- ----
	GH 25000 UF	**2/1**	1Am	M4	12	20	30	37	6.8/1 16	---- ----	---- ----
	GH 40000 UF	**2/1**	3m	M6	12	20	30	37	9.8/1.64 38	---- ----	---- ----
16 000	GH 16000 UF	**4/1**	2m	M5	6	9	12	15	4/0.66 12.5	---- ----	---- ----
	GH 25000 UF	**4/1**	3m	M6	6	9	12	15	3.4/0.53 16	---- ----	---- ----
	GH 40000 UF	**2/1**	2m	M5	18	24	36	48	9.8/1.64 38	---- ----	---- ----
20 000	GH 20000 UF	**4/1**	1Am	M6	6	9	12	15	8/1.3 16	---- ----	---- ----
	GH 25000 UF	**4/1**	2m	M5	6	9	12	15	3.4/0.53 16	---- ----	---- ----
	GH 40000 UF	**4/1**	4m	M7	9	12	18	24	4.9/0.82 38	---- ----	---- ----
25 000	GH 25000 UF	**4/1**	1Am	M4	6	9	12	15	3.4/0.53 16	---- ----	---- ----
	GH 40000 UF	**4/1**	3m	M6	9	12	18	24	4.9/0.82 38	---- ----	---- ----

All data may be subject to changes in technical specifications

Wire Rope Hoist Unit Selection Table for Double Girder Hoists, type D

SWL (kg)	Two speeds with pole changing motors										
	Type	Reeving	FEM	ISO	Hook path (m)				Speeds (m/min)		
									Power (KW)		
1 600	GH 3201 DP	**2/1**	2m	M5	12	18	--	--	8/1,3	10/1.6	12.6/2
									2.5/0.37	3.2/0.45	4/0.6
	GH 3201 DP	**4/1**	4m	M7	6	9	--	--	4/0.66	5/0.8	6.3/1
									2.5/0.37	3.2/0.45	4/0.6
2 000	GH 3201 DP	**4/1**	4m	M7	6	9	--	--	4/0.66	5/0.8	6.3/1
									2.5/0.37	3.2/0.45	4/0.6
	GH 5000 DP	**2/1**	4m	M7	12	18	24	--	8/1,3	10/1.6	12.6/2
									4.9/0.8	6.1/1	7.7/1.3
3 200	GH 3201 DP	**4/1**	2m	M5	6	9	--	--	4/0.66	5/0.8	6.3/1
									2.5/0.37	3.2/0.45	4/0.6
	GH 5000 DP	**2/1**	2m	M5	12	18	24	--	8/1,3	10/1.6	----
									4.9/0.8	6.1/1	----
	GH 12500 DP	**2/1**	4m	M7	12	18	24	30	8/1,3	10/1.6	----
									9.5/1.5	12.5/2	----
4 000	GH 5000 DP	**4/1**	4m	M7	6	9	12	--	4/0.66	5/0.8	----
									4.9/0.8	6.1/1	----
	GH 12500 DP	**2/1**	4m	M7	12	18	24	30	8/1,3	----	----
									9.5/1.5	----	----
5 000	GH 5000 DP	**4/1**	3m	M6	6	9	12	--	4/0.66	5/0.8	----
									4.9/0.8	6.1/1	----
	GH 12500 DP	**2/1**	3m	M6	12	18	24	30	8/1,3	----	----
									9.5/1.5	----	----
	GH 16000 DP	**2/1**	4m	M7	12	18	24	30	8/1.3	----	----
									12.5/2	----	----
6 300	GH 5000 DP	**4/1**	2m	M5	6	9	12	--	4/0.66	5/0.8	----
									4.9/0.8	6.1/1	----
	GH 12500 DP	**2/1**	2m	M5	12	18	24	30	8/1,3	----	----
									9.5/1.5	----	----
	GH 16000 DP	**2/1**	3m	M6	12	18	24	30	8/1.3	----	----
									12.5/2	----	----
	GH 25000 DP	**2/1**	4m	M7	12	20	30	37	6.8/1	8.46/1.3	10.7/1.6
									16/2.6	16/2.6	16/2.6
8 000	GH 12500 DP	**4/1**	4m	M7	6	9	12	15	4/0.66	----	----
									9.5/1.5	----	----
	GH 16000 DP	**2/1**	2m	M5	12	18	24	30	8/1.3	----	----
									12.5/2	----	----
	GH 25000 DP	**2/1**	4m	M7	12	18	24	30	6.8/1	8.46/1.3	10.7/1.6
									16/2.6	16/2.6	16/2.6
10 000	GH 12500 DP	**4/1**	3m	M6	6	9	12	15	4/0.66	----	----
									9.5/1.5	----	----
	GH 16000 DP	**4/1**	4m	M7	6	9	12	15	4/0.66	----	----
									12.5/2	----	----
	GH 25000 DP	**2/1**	2m	M5	12	20	30	37	6.8/1	----	----
									16/2.6	----	----

All data may be subject to changes in technical specifications

Wire Rope Hoist Unit Selection Table for Double Girder Hoists, type D

SWL	Two speeds with pole changing motors										
(kg)	Type	Reeving	FEM	ISO	Hook path (m)				Speeds (m/min) Power (KW)		
12 500	GH 12500 DP	**4/1**	2m	M5	6	9	12	15	4/0.66	----	----
									9.5/1.5	----	----
	GH 25000 DP	**2/1**	1Am	M4	12	20	30	37	6.8/1	----	----
									16/2.6	----	----
	GH 40000 DP	**2/1**	3m	M6	12	20	30	37	6.7/1.68	----	----
									20/5	----	----
16 000	GH 12500 DP	**6/1**	1Am	M4	6	9	12	--	2.6/0.4	----	----
									9.5/1.5	----	----
	GH 16000 DP	**4/1**	2m	M5	6	9	12	15	4/0.66	----	----
									12.5/2	----	----
	GH 25000 DP	**4/1**	3m	M6	6	9	12	15	3.4/0.53	----	----
									16/2.6	----	----
	GH 40000 DP	**2/1**	2m	M5	18	24	36	48	6.7/1.68	----	----
									20/5	----	----
	GH 40000 DP	**4/1**	4m	M7	9	12	18	24	3.35/0.83	----	----
									20/5	----	----
20 000	GH 20000 DP	**4/1**	1Am	M6	6	9	12	15	8/1.3	----	----
									16/2.6	----	----
	GH 25000 DP	**4/1**	2m	M5	6	9	12	15	3.4/0.53	----	----
									16/2.6	----	----
	GH 40000 DP	**4/1**	4m	M7	9	12	18	24	3.35/0.83	----	----
									20/5	----	----
25 000	GH 25000 DP	**4/1**	1Am	M4	6	9	12	15	3.4/0.53	----	----
									16/2.6	----	----
	GH 25000 DP	**6/1**	2m	M5	6	9	12	--	2.26/0.37	----	----
									16/2.6	----	----
	GH 40000 DP	**4/1**	3m	M6	9	12	18	24	3.35/0.83	----	----
									20/5	----	----
	GH 40000 DP	**6/1**	4m	M7	6	9	12	15	2.23/0.55	----	----
									20/5	----	----
30 000	GH 40000 DP	**4/1**	2m	M5	9	12	18	24	3.35/0.83	----	----
									20/5	----	----
	GH 40000 DP	**6/1**	3m	M6	6	9	12	15	2.23/0.55	----	----
									20/5	----	----
	GH 40000 DP	**8/1**	4m	M7	6	9	12	--	1.67/0.4	----	----
									20/5	----	----
32 000	GH 40000 DP	**4/1**	1Am	M4	9	12	18	24	3.35/0.83	----	----
									20/5	----	----
	GH 40000 DP	**6/1**	2m	M5	6	9	12	15	2.23/0.55	----	----
									20/5	----	----
	GH 40000 DP	**8/1**	3m	M6	6	9	12	--	1.67/0.4	----	----
									20/5	----	----
40 000	GH 40000 DP	**6/1**	2m	M5	6	9	12	15	2.23/0.55	----	----
									20/5	----	----
50 000	GH 40000 DP	**8/1**	1Am	M4	6	9	12	--	1.67/0.4	----	----
									20/5	----	----

All data may be subject to changes in technical specifications

Wire Rope Hoist Unit Selection Table for Double Girder Hoists, type D

Two speeds with frequency inverter operation

SWL (kg)	Type	Reeving	FEM	ISO	Hook path (m)				Speeds (m/min) Power (KW)		
1 600	GH 3201 DF	**2/1**	2m	M5	12	18	--	--	8/1,3	10/1.6	12.6/2
									2.5	3.2	4
	GH 3201 DF	**4/1**	4m	M7	6	9	--	--	4/0.66	5/0.8	6.3/1
									2.5	3.2	4
2 000	GH 3201 DF	**4/1**	4m	M7	6	9	--	--	4/0.66	5/0.8	6.3/1
									2.5	3.2	4
	GH 5000 DF	**2/1**	4m	M7	12	18	24	--	8/1,3	10/1.6	12.6/2
									4.9	6.1	7.7
3 200	GH 3201 DF	**4/1**	2m	M5	6	9	--	--	4/0.66	5/0.8	6.3/1
									2.5	3.2	4
	GH 5000 DF	**2/1**	2m	M5	12	18	24	--	8/1,3	10/1.6	----
									4.9	6.1	----
	GH 12500 DF	**2/1**	4m	M7	12	18	24	30	8/1,3	10/1.6	----
									9.5	12.5	----
4 000	GH 5000 DF	**4/1**	4m	M7	6	9	12	--	4/0.66	5/0.8	----
									4.9	6.1	----
	GH 12500 DF	**2/1**	4m	M7	12	18	24	30	8/1,3	----	----
									9.5	----	----
5 000	GH 5000 DF	**4/1**	3m	M6	6	9	12	--	4/0.66	5/0.8	----
									4.9	6.1	----
	GH 12500 DF	**2/1**	3m	M6	12	18	24	30	8/1,3	----	----
									9.5	----	----
	GH 16000 DF	**2/1**	4m	M7	12	18	24	30	8/1.3	----	----
									12.5	----	----
6 300	GH 5000 DF	**4/1**	2m	M5	6	9	12	--	4/0.66	5/0.8	----
									4.9	6.1	----
	GH 12500 DF	**2/1**	2m	M5	12	18	24	30	8/1,3	----	----
									9.5	----	----
	GH 16000 DF	**2/1**	3m	M6	12	18	24	30	8/1.3	----	----
									12.5	----	----
	GH 25000 DF	**2/1**	4m	M7	12	20	30	37	6.8/1	8.46/1.3	10.7/1.6
									16	16	16
8 000	GH 12500 DF	**4/1**	4m	M7	6	9	12	15	4/0.66	----	----
									9.5	----	----
	GH 16000 DF	**2/1**	2m	M5	12	18	24	30	8/1.3	----	----
									12.5	----	----
	GH 25000 DF	**2/1**	4m	M7	12	18	24	30	6.8/1	8.46/1.3	10.7/1.6
									16	16	16
10 000	GH 12500 DF	**4/1**	3m	M6	6	9	12	15	4/0.66	----	----
									9.5	----	----
	GH 16000 DF	**4/1**	4m	M7	6	9	12	15	4/0.66	----	----
									12.5	----	----
	GH 25000 DF	**2/1**	2m	M5	12	20	30	37	6.8/1	----	----
									16	----	----

All data may be subject to changes in technical specifications

Wire Rope Hoist Unit Selection Table for Double Girder Hoists, type D

SWL (kg)	Two speeds with frequency inverter operation										
	Type	Reeving	FEM	ISO	Hook path (m)				Speeds (m/min)		
									Power (KW)		
12 500	GH 12500 DF	**4/1**	2m	M5	6	9	12	15	4/0.66	----	----
									9.5	----	----
	GH 25000 DF	**2/1**	1Am	M4	12	20	30	37	6.8/1	----	----
									16	----	----
16 000	GH 12500 DF	**6/1**	1Am	M4	6	9	12	--	2.6/0.4	----	----
									9.5	----	----
	GH 16000 DF	**4/1**	2m	M5	6	9	12	15	4/0.66	----	----
									12.5	----	----
	GH 25000 DF	**4/1**	3m	M6	6	9	12	15	3.4/0.53	----	----
									16	----	----
20 000	GH 20000 DF	**4/1**	1Am	M6	6	9	12	15	8/1.3	----	----
									16	----	----
	GH 25000 DF	**4/1**	2m	M5	6	9	12	15	3.4/0.53	----	----
									16	----	----
	GH 40000 DF	**4/1**	4m	M7	9	12	18	24	4.9/0.82	----	----
									38	----	----
25 000	GH 25000 DF	**4/1**	1Am	M4	6	9	12	15	3.4/0.53	----	----
									16	----	----
	GH 25000 DF	**6/1**	2m	M5	6	9	12	--	2.26/0.37	----	----
									16	----	----
	GH 40000 DF	**4/1**	3m	M6	9	12	18	24	4.9/0.82	----	----
									38	----	----
30 000	GH 40000 DF	**4/1**	2m	M5	9	12	18	24	4.9/0.82	----	----
									38	----	----
	GH 40000 DF	**6/1**	3m	M6	6	9	12	15	3.26/0.54	----	----
									38	----	----
32 000	GH 40000 DF	**4/1**	2m	M5	9	12	18	24	4.9/0.82	----	----
									38	----	----
	GH 40000 DF	**6/1**	3m	M6	6	9	12	15	3.26/0.54	----	----
									38	----	----
40 000	GH 40000 DF	**4/1**	1Am	M4	6	9	12	15	4.9/0.82	----	----
									38	----	----
	GH 40000 DF	**6/1**	2m	M5	6	9	12	15	3.26/0.54	----	----
									38	----	----
50 000	GH 40000 DF	**6/1**	2m	M5	6	9	12	15	3.26/0.54	----	----
									38	----	----
	GH 40000 DF	**8/1**	3m	M6	6	9	12	--	2.44/0.4	----	----
									38	----	----
63 000	GH 40000 DF	**6/1**	1Am	M4	6	9	12	15	3.26/0.54	----	----
									38	----	----
	GH 40000 DF	**8/1**	2m	M5	6	9	12	--	2.44/0.4	----	----
									38	----	----
80 000	GH 40000 DF	**8/1**	1Am	M4	6	9	12	--	2.44/0.4	----	----
									38	----	----

All data may be subject to changes in technical specifications

Wire Rope Hoist Unit Selection Table for Double Girder Hoists, type TV True Vertical Lift Without Hook Swinging or Turning

SWL (kg)	Two speeds with pole changing motors										
	Type	Reeving	FEM	ISO	Hook path (m)				Speeds (m/min)		
									Power (KW)		
3 200	GH 12500 TVP	**2/2**	2m	M5	18	24	40	60	16/2.6	20/3.2	----
									9.5/1.5	12.5/2	----
4 000	GH 16000 TVP	**2/2**	2m	M5	18	24	40	60	16/2.6		
									12.5/2		
	GH 12500 TVP	**4/2**	4m	M7	9	12	20	30	8/1,3	----	----
									9.5/1.5	----	----
5 000	GH 25000 TVP	**2/2**	3m	M6	18	24	40	60	13.6/2	16.9/2.6	21.4/3.2
									16/2.6	16/2.6	16/2.6
	GH 12500 TVP	**4/2**	3m	M6	9	12	20	30	8/1,3	----	----
									9.5/1.5	----	----
	GH 16000 TVP	**4/2**	4m	M7	9	12	20	30	8/1.3	----	----
									12.5/2	----	----
6 300	GH 25000 TVP	**2/2**	1Am	M4	24	40	60	74	13.6/2	16.9/2.6	21.4/3.2
									16/2.6	16/2.6	16/2.6
	GH 12500 TVP	**4/2**	2m	M5	12	18	24	30	8/1,3	----	----
									9.5/1.5	----	----
	GH 16000 TVP	**4/2**	3m	M6	12	18	24	30	8/1.3	----	----
									12.5/2	----	----
	GH 25000 TVP	**4/2**	4m	M7	12	20	30	37	6.8/1	8.46/1.3	10.7/1.6
									16/2.6	16/2.6	16/2.6
8 000	GH 40000 TVP	**2/2**	1Am	M4	24	40	60	74	3.35/0.83	----	----
									20/5	----	----
	GH 16000 TVP	**4/2**	2m	M5	12	18	24	30	8/1.3	----	----
									12.5/2	----	----
	GH 25000 TVP	**4/2**	4m	M7	12	18	24	30	6.8/1	8.46/1.3	10.7/1.6
									16/2.6	16/2.6	16/2.6
	GH 12500 TVP	**8/2**	4m	M7	6	9	12	15	4/0.66	----	----
									9.5/1.5	----	----
10 000	GH 25000 TVP	**4/2**	2m	M5	12	20	30	37	6.8/1	----	----
									16/2.6	----	----
	GH 12500 TVP	**8/2**	3m	M6	6	9	12	15	4/0.66	----	----
									9.5/1.5	----	----
	GH 16000 TVP	**8/2**	4m	M7	6	9	12	15	4/0.66	----	----
									12.5/2	----	----
12 500	GH 25000 TVP	**4/2**	1Am	M4	12	20	30	37	6.8/1	----	----
									16/2.6	----	----
	GH 40000 TVP	**4/2**	3m	M6	12	20	30	37	6.7/1.68	----	----
									20/5	----	----
	GH 12500 TVP	**8/2**	2m	M5	6	9	12	15	4/0.66	----	----
									9.5/1.5	----	----

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Wire Rope Hoist Unit Selection Table for Double Girder Hoists, type TV True Vertical Lift Without Hook Swinging or Turning

SWL (kg)	Two speeds with pole changing motors										
	Type	Reeving	FEM	ISO	Hook path (m)				Speeds ((m/min))		
									Power (KW)		
16 000	GH 40000 TVP	**4/2**	2m	M5	18	24	36	48	6.7/1.68	----	----
									20/5	----	----
	GH 16000 TVP	**8/2**	2m	M5	6	9	12	15	4/0.66	----	----
									12.5/2	----	----
	GH 25000 TVP	**8/2**	3m	M6	6	9	12	15	3.4/0.53	----	----
									16/2.6	----	----
	GH 40000 TVP	**8/2**	4m	M7	9	12	18	24	3.35/0.83	----	----
									20/5	----	----
20 000	GH 20000 TVP	**8/2**	1Am	M6	6	9	12	15	8/1.3	----	----
									16/2.6	----	----
	GH 25000 TVP	**8/2**	2m	M5	6	9	12	15	3.4/0.53	----	----
									16/2.6	----	----
	GH 40000 TVP	**8/2**	4m	M7	9	12	18	24	3.35/0.83	----	----
									20/5	----	----
25 000	GH 25000 TVP	**8/2**	1Am	M4	6	9	12	15	3.4/0.53	----	----
									16/2.6	----	----
	GH 25000 TVP	**12/2**	2m	M5	6	9	12	--	2.26/0.37	----	----
									16/2.6	----	----
	GH 40000 TVP	**8/2**	3m	M6	9	12	18	24	3.35/0.83	----	----
									20/5	----	----
	GH 40000 TVP	**12/2**	4m	M7	6	9	12	15	2.23/0.55	----	----
									20/5	----	----
30 000	GH 40000 TVP	**8/2**	2m	M5	9	12	18	24	3.35/0.83	----	----
									20/5	----	----
	GH 40000 TVP	**12/2**	3m	M6	6	9	12	15	2.23/0.55	----	----
									20/5	----	----
32 000	GH 40000 TVP	**8/2**	1Am	M4	9	12	18	24	3.35/0.83	----	----
									20/5	----	----
	GH 40000 TVP	**12/2**	2m	M5	6	9	12	15	2.23/0.55	----	----
									20/5	----	----
40 000	GH 40000 TVP	**12/2**	2m	M5	6	9	12	15	2.23/0.55	----	----
									20/5	----	----

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Wire Rope Hoist Unit Selection Table for Double Girder Hoists, type TV
True Vertical Lift Without Hook Swinging or Turning

SWL (kg)	Two speeds with frequency inverter operation										
	Type	Reeving	FEM	ISO	Hook path (m)				Speeds (m/min) Power (KW)		
3 200	GH 12500 TVF	**2/2**	2m	M5	18	24	40	60	16/2.6 9.5	20/3.2 12.5	---- ----
4 000	GH 16000 TVF	**2/2**	2m	M5	18	24	40	60	16/2.6 12.5		
	GH 12500 TVF	**4/2**	4m	M7	9	12	20	30	8/1,3 9.5	---- ----	---- ----
5 000	GH 25000 TVF	**2/2**	3m	M6	18	24	40	60	13.6/2 16	16.9/2.6 16	21.4/3.2 16
	GH 12500 TVF	**4/2**	3m	M6	9	12	20	30	8/1,3 9.5	---- ----	---- ----
	GH 16000 TVF	**4/2**	4m	M7	9	12	20	30	8/1.3 12.5	---- ----	---- ----
6 300	GH 25000 TVF	**2/2**	1Am	M4	24	40	60	74	13.6/2 16	16.9/2.6 16	21.4/3.2 16
	GH 12500 TVF	**4/2**	2m	M5	12	18	24	30	8/1,3 9.5	---- ----	---- ----
	GH 16000 TVF	**4/2**	3m	M6	12	18	24	30	8/1.3 12.5	---- ----	---- ----
	GH 25000 TVF	**4/2**	4m	M7	12	20	30	37	6.8/1 16	8.46/1.3 16	10.7/1.6 16
8 000	GH 40000 TVF	**2/2**	1Am	M4	24	40	60	74	19.6/3.26 38	---- ----	---- ----
	GH 16000 TVF	**4/2**	2m	M5	12	18	24	30	8/1.3 12.5	---- ----	---- ----
	GH 25000 TVF	**4/2**	4m	M7	12	18	24	30	6.8/1 16	8.46/1.3 16	10.7/1.6 16
	GH 12500 TVF	**8/2**	4m	M7	6	9	12	15	4/0.66 9.5	---- ----	---- ----
10 000	GH 25000 TVF	**4/2**	2m	M5	12	20	30	37	6.8/1 16	---- ----	---- ----
	GH 12500 TVF	**8/2**	3m	M6	6	9	12	15	4/0.66 9.5	---- ----	---- ----
	GH 16000 TVF	**8/2**	4m	M7	6	9	12	15	4/0.66 12.5	---- ----	---- ----
12 500	GH 25000 TVF	**4/2**	1Am	M4	12	20	30	37	6.8/1 16	---- ----	---- ----
	GH 40000 TVF	**4/2**	3m	M6	12	20	30	37	9.8/1.6 38	---- ----	---- ----
	GH 12500 TVF	**8/2**	2m	M5	6	9	12	15	4/0.66 9.5	---- ----	---- ----

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Wire Rope Hoist Unit Selection Table for Double Girder Hoists, type TV True Vertical Lift Without Hook Swinging or Turning

SWL (kg)	Two speeds with frequency inverter operation											
	Type	Reeving	FEM	ISO	Hook path (m)				Speeds ((m/min))		
									Power (KW)		
16 000	GH 40000 TVF	**4/2**	2m	M5	18	24	36	48	9.8/1.6	----	----
									38	----	----
	GH 16000 TVF	**8/2**	2m	M5	6	9	12	15	4/0.66	----	----
									12.5	----	----
	GH 25000 TVF	**8/2**	3m	M6	6	9	12	15	3.4/0.53	----	----
									16	----	----
	GH 40000 TVF	**8/2**	4m	M7	9	12	18	24	4.9/0.82	----	----
									38	----	----
20 000	GH 20000 TVF	**8/2**	1Am	M4	6	9	12	15	8/1.3	----	----
									16	----	----
	GH 25000 TVF	**8/2**	2m	M5	6	9	12	15	3.4/0.53	----	----
									16	----	----
	GH 40000 TVF	**8/2**	4m	M7	9	12	18	24	4.9/0.82	----	----
									38	----	----
25 000	GH 25000 TVF	**8/2**	1Am	M4	6	9	12	15	3.4/0.53	----	----
									16	----	----
	GH 25000 TVF	**12/2**	2m	M5	6	9	12	--	2.26/0.37	----	----
									16	----	----
	GH 40000 TVF	**8/2**	3m	M6	9	12	18	24	4.9/0.82	----	----
									38	----	----
	GH 40000 TVF	**12/2**	4m	M7	6	9	12	15	3.26/0.54	----	----
									38	----	----
30 000	GH 40000 TVF	**8/2**	2m	M5	9	12	18	24	4.9/0.82	----	----
									38	----	----
	GH 40000 TVF	**12/2**	3m	M6	6	9	12	15	3.26/0.54	----	----
									38	----	----
32 000	GH 40000 TVF	**8/2**	1Am	M4	9	12	18	24	4.9/0.82	----	----
									38	----	----
	GH 40000 TVF	**12/2**	2m	M5	6	9	12	15	3.26/0.54	----	----
									38	----	----
40 000	GH 40000 TVF	**12/2**	2m	M5	6	9	12	15	3.26/0.54	----	----
									38	----	----

All data may be subject to changes in technical specifications

Wire Rope Hoist Unit Selection Table for Twin Hoists, type Z

Two speeds with pole changing motors

Type	Hoist Unit	Reeving	SWL (kg)	FEM	ISO	Hook path (m)			Speeds	(m/min)
									Power	(KW)
GH 25000 ZP	GH 12500 P	**4/2-2**	12 500	2m	M5	12	20	30	8/1.3	----
									19/3	----
		6/2-2	16 000	2m	M5	8	13	20	5.3/0.88	----
									19/3	----
		8/2-2	25 000	2m	M5	6	10	15	4/0.66	----
									19/3	----
GH 32000 ZP	GH 16000 P	**4/2-2**	16 000	2m	M5	12	20	30	8/1.3	----
									25/4	----
		6/2-2	25 000	2m	M5	8	13	20	5.3/0.88	----
									25/4	----
		8/2-2	32 000	2m	M5	6	10	15	4/0.66	----
									25/4	----
		10/2-2	40 000	1Am	M4	6	10	--	3.2/0.53	----
									25/4	----
GH 40000 ZP	GH 20000 P	**4/2-2**	20 000	1Am	M4	12	20	30	8/1.3	----
									32/5.2	----
		6/2-2	30 000	1Am	M4	8	13	20	5.3/0.88	----
									32/5.2	----
		8/2-2	40 000	1Am	M4	6	10	15	4/0.66	----
									32/5.2	----
		10/2-2	50 000	1Bm	M3	6	10	--	3.2/0.53	----
									32/5.2	----
GH 50000 ZP	GH 25000 P	**4/2-2**	25 000	1Am	M4	20	30	37	6.8/1.13	----
									32/5.2	----
		6/2-2	35 000	1Am	M4	8	13	20	4.5/0.75	----
									32/5.2	----
		8/2-2	50 000	1Am	M4	6	10	15	3.4/0.53	----
									32/5.2	----
		10/2-2	63 000	1Bm	M3	6	10	--	2.7/0.45	----
									32/5.2	----
GH 63000 ZP	GH 40000 P	**4/2-2**	25 000	2m	M5	20	30	45	7.8/1.95	----
									40/10	----
		6/2-2	40 000	2m	M5	13	20	30	5.2/1.3	----
									40/10	----
		8/2-2	50 000	2m	M5	10	15	22	3.9/0.97	----
									40/10	----
		10/2-2	63 000	1Am	M4	6	8	12	3.12/0.78	----
									40/10	----

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Wire Rope Hoist Unit Selection Table for Twin Hoists, type Z

Two speeds with frequency inverter operation

Type	Hoist Unit	Reeving	SWL (kg)	FEM	ISO	Hook path (m)			Speeds	(m/min)
									Power	(KW)
GH 25000 ZF	GH 12500 F	**4/2-2**	12 500	2m	M5	12	20	30	8/1.3	----
									19	----
		6/2-2	16 000	2m	M5	8	13	20	5.3/0.88	----
									19	----
		8/2-2	25 000	2m	M5	6	10	15	4/0.66	----
									19	----
GH 32000 ZF	GH 16000 F	**4/2-2**	16 000	2m	M5	12	20	30	8/1.3	----
									25	----
		6/2-2	25 000	2m	M5	8	13	20	5.3/0.88	----
									25	----
		8/2-2	32 000	2m	M5	6	10	15	4/0.66	----
									25	----
		10/2-2	40 000	1Am	M4	6	10	--	3.2/0.53	----
									25	----
GH 40000 ZF	GH 20000 F	**4/2-2**	20 000	1Am	M4	12	20	30	8/1.3	----
									32	----
		6/2-2	30 000	1Am	M4	8	13	20	5.3/0.88	----
									32	----
		8/2-2	40 000	1Am	M4	6	10	15	4/0.66	----
									32	----
		10/2-2	50 000	1Bm	M3	6	10	--	3.2/0.53	----
									32	----
GH 50000 ZF	GH 25000 F	**4/2-2**	25 000	1Am	M4	20	30	37	6.8/1.13	----
									32	----
		6/2-2	35 000	1Am	M4	13	20	24	4.5/0.75	----
									32	----
		8/2-2	50 000	1Am	M4	6	10	15	3.4/0.53	----
									32	----
		10/2-2	63 000	1Bm	M3	6	10	--	2.7/0.45	----
									32	----
GH 80000 ZF	GH 40000 F	**4/2-2**	40 000	1Am	M4	20	30	45	9.8/1.6	----
									76	----
		6/2-2	63 000	1Am	M4	13	20	30	6.5/1	----
									76	----
		8/2-2	80 000	1Am	M4	10	15	22	4.9/0.82	----
									76	----
		10/2-2	100 000	1Am	M4	8	12	18	3.9/0.65	----
									76	----
		12/2-2	120 000	1Am	M4	6	9	12	3.2/0.54	----
									76	----

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