BETA SL
Electric winch

Capacity 250 - 2000 kg

Electric winches of the BETA SL range are used for lifting, towing and positioning of loads. The proven technology and specified equipment features make the winch the ideal product for standard applications.

Features

- The electrically released spring pressure disc brake safely holds the load also in the event of a power failure.
- Powerful three-phase AC drives for multi-range voltage 400V – 50Hz. Motor type of enclosure IP 55, duty factor 40 % ED.
- Electronic overload protection from 1000 kg lifting load as standard.
- The maintenance-free, oil lubricated gearbox has quiet running characteristics due to milled and ground gears with helical teeth.
- Standard rope drum of grooved design, with large rope capacity.
- Variable rope lead-in.
- Contactor control (incl. gear limit switch).
- In accordance with DGUV regulation 55 (winches, lifting and pulling equipment).





Also available at short notice with the following options:

- **Rope pressure roll**
  Supports the tidy coiling of the rope, especially with high lifting heights.
- **Slack rope switch**
  Prevents unwanted uncoiling if the wire rope is not under load.
- **Control switch with 3 m control cable**
  Greater freedom of movement for the user, better view of the working area of the wire rope winch.
- **Frequency converter (SL 1 - SL 3)**
  Infinitely variable rope speed controlled via potentiometer, control range 20-87 Hz (SL 3 = 10-50 Hz). The frequency converter allows loads to be moved gently and sensitively..



Optional: Frequency converter
(For infinitely variable speed regulation)

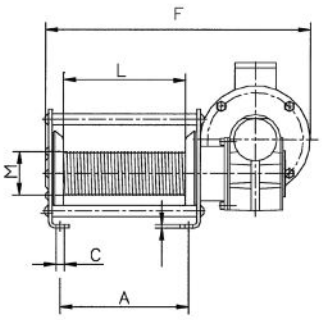
Technical data BETA SL

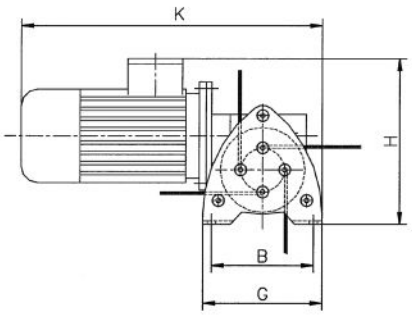
Model	Art.-No.	Size	Capacity 1st layer	Lifting speed 1st layer	Rope diameter [3]	Motor	Classification	Useable rope length 1st layer	Useable rope length top layer
			kg	m/min	mm	kW	FEM/ISO	m/min	m/min
BETA-SL0-250-2,5-4-46,7-1-GE-St	40063758	SL 0	250	2.5	4	0.25	1Bm/M3	7	46.7
BETA-SL0-250-5,0-4-46,7-1-GE-St	31140006	SL 0	250	4.7	4	0.37	1Bm/M3	7	46.7
BETA-SL1-500-7,1-6-48,9-1-GE-St	40062946	SL 1	500	6.8	6	0.75	1Am/M4	6.7	48.9
BETA-SL1-630-7,1-6-48,9-1-GE-St	40062989	SL 1	630	6.8	6	0.75	1Bm/M3	6.7	48.9
BETA-SL2-980-6,3-9-77,5-1-GE-St	40062990	SL 2	980	6.0	9	1.1	1Am/M4	11	77.5
BETA-SL2-1250-6,3-9-64,0-1-GE-St	40062993	SL 2	1250	6.0	9	1.1	1Am/M4	11	77.5
BETA-SL3-2000-6,8-12-73,8-1-GE-St	40062996	SL 3	2000	6.8	12	2.2	1Bm/M3	10	74.5

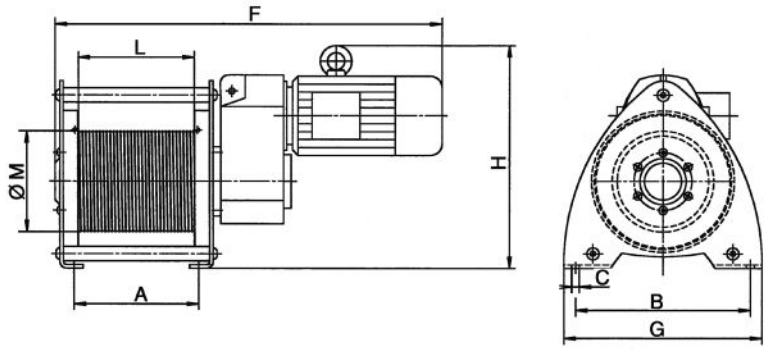
[3] recommended rope: DIN 3069 FE-znk 1960 sZ-spa

Dimensions BETA SL

Model	BETA-SL0-250 2,5-4-46,7-1-GE-St	BETA-SL0-250 5,0-4-46,7-1-GE-St	BETA-SL1-500 7,1-6-48,9-1-GE-St	BETA-SL1-630 7,1-6-48,9-1-GE-St	BETA-SL2-980 6,3-9-77,5-1-GE-St	BETA-SL2-1250 6,3-9-64,0-1-GE-St	BETA-SL3-2000 6,8-12-73,8-1-GE-St
A, mm	185	185	215	215	270	270	320
B, mm	170	170	300	300	400	400	510
Ø C, mm	12	12	13.5	13.5	18	18	22
F, mm	389	389	740	750	920	930	1070
G, mm	200	200	340	340	465	465	570
H, mm	241	241	340	345	475	480	614
K, mm	432	–	–	–	–	–	–
L, mm	180	180	200	200	250	250	300
Ø M, mm	64	64	86	86	175	175	175







INFO

Pfaff winches are not designed for passenger elevation applications and must not be used for this purpose.