

**FLYUP 50 Self Climbing Hoist - LED HOIST - (HFU050)**

In recent years the introduction of LED technology has completely revolutionized the industry by introducing Lighting luminaires more lightweight and efficient able to adjust the intensity of lights and many other parameters. TEYCORIG following the innovations technology extends the Hoist range by introducing the new FLYUP Selfclimbing hoist FLYUP50. Compact, lightweight, plug and play, versatile, the perfect solution for all LED lighting applications in medium and small TV Studios and for any application where size and architectural design are an essential part of every choice. The small size and ease of installation make it the perfect replacement for Motorized pantographs extending the limited lifting capacity and number of illuminators installed from 1 to 3/4 pieces. Comes fully pre-assembled ready for use and easy to install, for fixed or mobile applications.

- Input Power - 200/240 Vac Single phase+PE
- Control Input anal.24Vdc or dig.RS485/CAN
- Travel up to 10,5m
- Lifting capacity up to 60Kg WLL
- Lighting batten pipe or T8 rail up to 2m
- Self folding cable management
- Local control for easy up/down control
- Standard connector strip for up to 6 sockets
- DMX and Ethernet available as standard
- Ethernet NODES available on request
- Main power with local fuse protection
- Motor Electronic driver supplied as standard

The FLYUP 50 Hoist combines refined design with the latest safety and construction standards for payloads up to 60Kg. The modularity and a large variety of accessories like top brackets, carriages, lighting batten pipe or rail, sockets, circuits combination and control systems are available to meet any possible customer request. **P<sup>2</sup>X S<sup>2</sup>**

**PLUG and PLAY**, is the core of our design to make our machines easy to handle by all our customers;

**PASSION**, this is the driving force of our lives and we transfer this passion over into all our product;

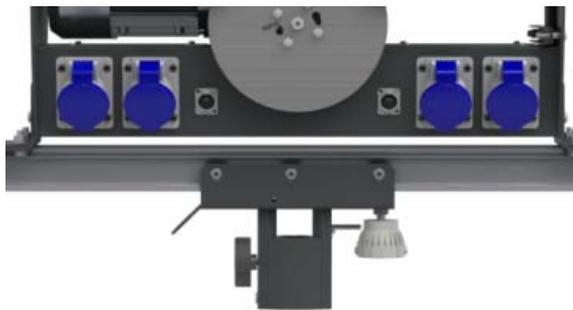
**SAFETY**, is a MUST for all our devices, to achieve the latest and highest standards in order to serve and protect our customers;

**SERVICE**, before and after any sales is what we consistently offer to all our customers.

- HFU050T110 - for up to 10,5m travel
- Extension total drop from the top ceiling to the floor up to 13m
- Lifting capacity up to 60Kg WLL, for more capacity ask to our T.D.
- 4 lifting steel 2,5mm ropes with 550Kg breaking load each
- Standard motor group on 0,55Kw 3 phase motor with irreversible worm gearbox
- Integrated standard control unit for up/down 24Vdc operation
- Integrated drive unit for variable speed available for 3 phase or single phase main supply supplied as standard
- Dedicated software to manage the drive unit functions
- Lighting batten pipe on steel 48,3mm pipe #40, or T8 aluminum rail from 0,6 to 2m
- Standard local control input 24Vdc on XLR3 Male recessed connector
- Optional control input for RS485/CAN on XLR4 Male recessed connector
- Optional DMX control on XLR5
- Standard self-folding cable management Kit available with 2 or 3 circuits, 16 or 25A plus DMX or Ethernet



Top premounting T8 Rail (1,3m) supplied as standard for easy installation



Standard modular connector strip for up to 6 sockets CE CEE17, 16/32A, UL NEMA 20A, SCHUKO 16A, XLR for Audio, DMX, Video, Ethernet. Other available on request. Lighting carriages with 29mm or 16mm bushing, available for all FLYTRAK batten rails

LED Status Monitor for easy hoist management with PUSH TO SET function for easy END STOP setup.



Top Adjustable standard brackets for I beam from 60 to 120mm beam base (RBU674) other on request



Ropes balancer devices to keep the hoist balanced during the up/down operations



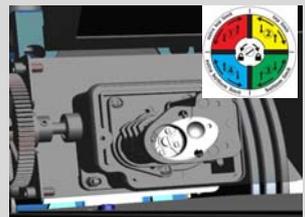
Pre-wired top terminal box with plug-in terminal blocks according to the project specification



Easy access for overload and under-load device adjustment, 2 buttonholes for each steel ropes



Inbuilt electronic driver for soft start soft stop, variable speed, and safety management



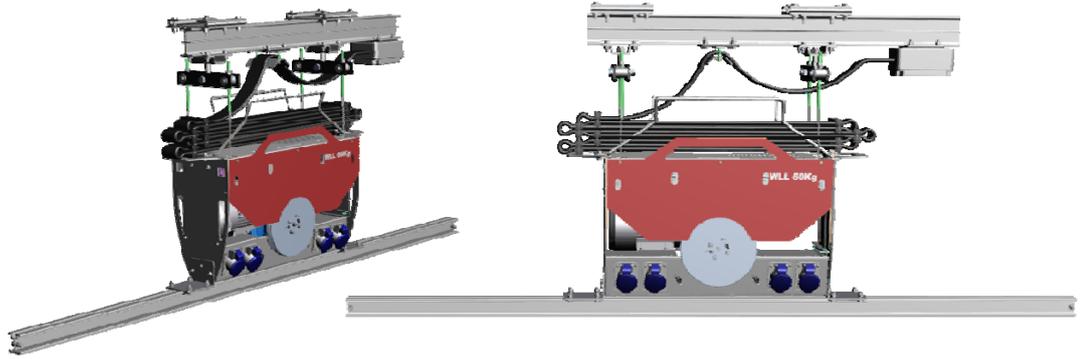
Cam Unit for color-coded end stop limit adjustment with PUSH TO SET function for easy END STOP setup

Built according CE/UL regulation, and safety standards EN954.1 - EN 60439-1 CWA 15902- EN15560/46- BGV-C1

**FLY-UP 50 Fixed application**

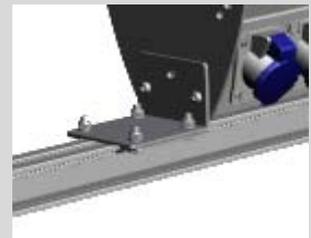
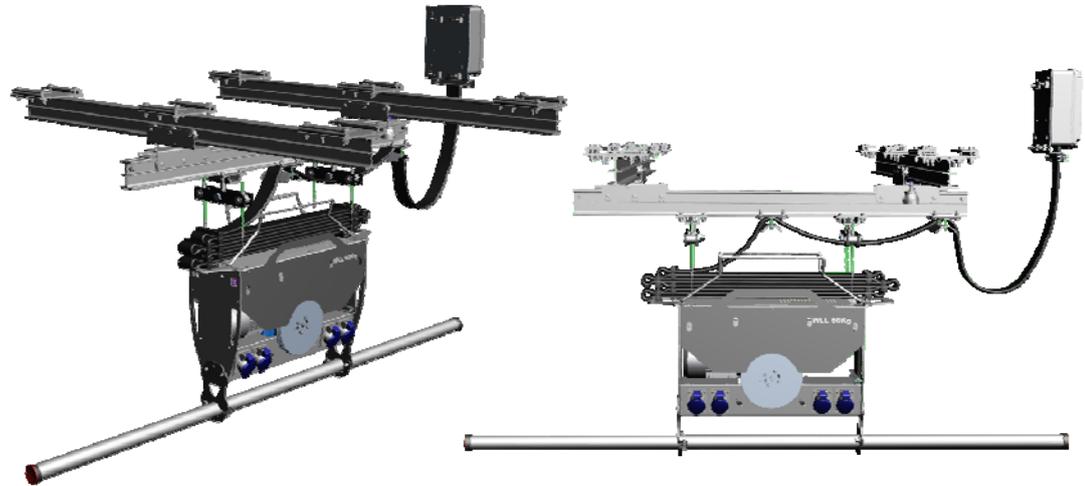


Application for in line side brackets for 48,3mm steel pipe #40 for standard lighting C Clamps



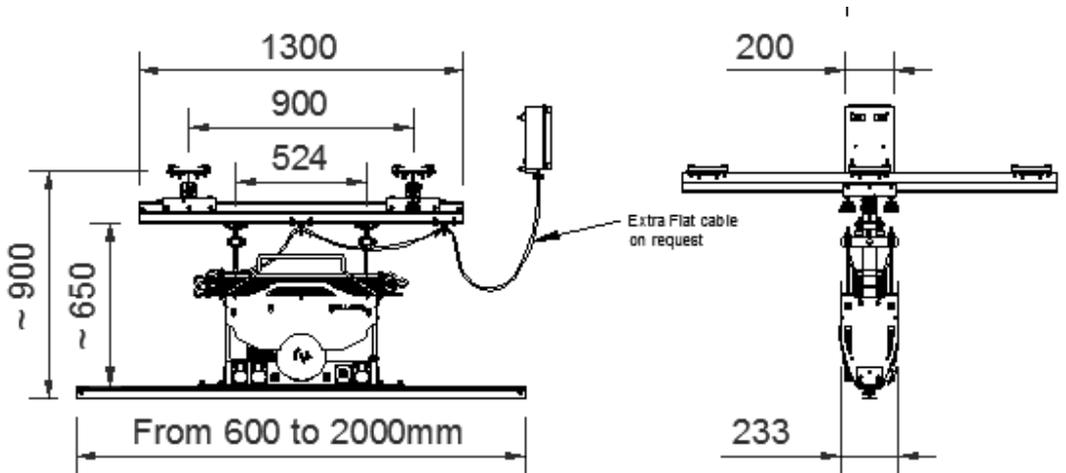
Application for off-set side brackets for 48,3mm steel pipe #40 for Barrel trolley Carriages RCP709 or RCP709D

**FLY-UP 50 Trackable application**

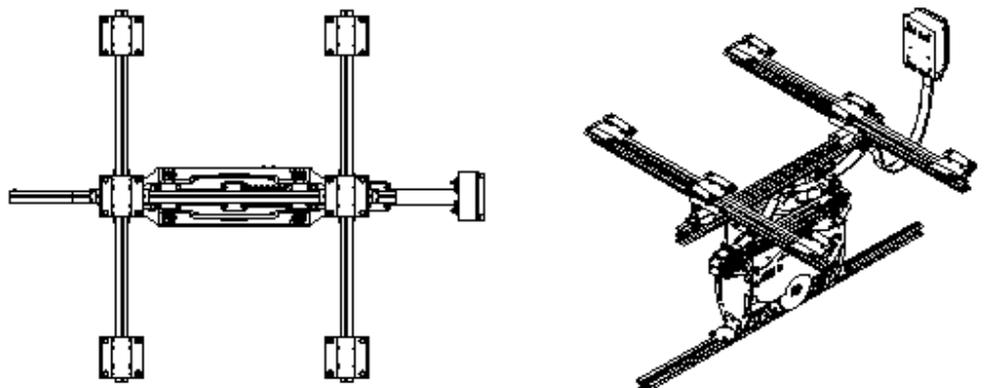


Application for in-line side brackets for T8 aluminum rail for standard Carriages RC8707, RC8708, RC8710 etc.

**FLY-UP 50 Dimensional Data**



Application for Top carriages Kit for trackable applications , RC8968 for orthogonal application or RC8968P for Parallel application.



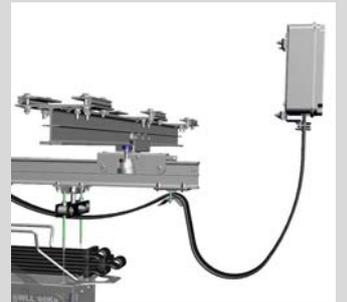
Application for Top carriages Kit for trackable applications , RC8968 with Motorized Carriage RC8732

FLY-UP series HFU SELF CLIMBING HOIST specification

TEYCORIG - FLYUP Technical Data	STANDARD	STANDARD	STANDARD
<b>FLYUP model</b>	HFU50	HFU100	HFU200 - 200HD
Lifting Capacity - Working Load Limit (WLL) Kg	60	120	200-250HD
Lifting Capacity - Max Rated Load (RTL) Kg	75	150	250-310HD
Closed height - mm	500/650	750/1200	800/1200
Hoist net travel - mm	10500	10500	14000
Average distance from the floor when totally down - mm	1000/1500	1000/1500	1000/1500
Max Total drop - mm	13000	13000	16500
Max Length for standard connector strip for sockets (m)	0,6	1,3	2
Max length for standard steel pipe or T8 Rail (other lengths available on request according Project specification)	from 0,6 to 2	from 1,5 to 4	from 2,1 to 5
Motor group Self weight (Kg)	45	65	140
Lifting speed "average" (m/min) - (400V - 208V) - (50 - 60Hz)	6/9	6/9	6/9
Lifting steel ropes diameter (mm)	4 x 2,5mm	4 x 3,2mm	4 x 4mm
Safety Factor	15	15	15/12HD
Standard top premounting T8 rail (length mm)	1000	1500	2000
Lighting circuits standard with 16/32A CEE17 Sockets CE or NEMA UL (other circuits on request according P.S.)	up to 4	up to 8	up to 12
AUX Circuits - DMX/Ethernet/Audio/Video/etc.	on request	on request	on request
Cable management - Flat self folding or Aluminium Flip Flop - (On request Alu Flip Flop available on all 3 Models)	Flat self folding	Flat self folding	Flat self Folding/Alu Flip Flop
Gear reducer	worm irreversible	worm irreversible	worm irreversible
Single Brake	standard	standard	standard
Double Brake	on request	on request	on request
Motor Power (Kw)	0,55	0,75	1,5/1,85HD
Motor Voltage (CE - UL) 3 phase (Vac) 50-60Hz	230/400 - 208	230/400 - 208	230/400 - 208
Motor Voltage (CE - UL) single phase (Vac)	OPTIONAL	OPTIONAL	OPTIONAL
Motor control standard (Vdc)	24	24	24
Motor control optional (Digital)	CAN-RS485-DMX-ETH	CAN-RS485-DMX-ETH	CAN-RS485-DMX-ETH
Position control encoder Kit	OPTIONAL	OPTIONAL	OPTIONAL
Load cell sensors for load feedback	OPTIONAL	OPTIONAL	OPTIONAL
Local Digital display unit for hoist address number and local setup	OPTIONAL	OPTIONAL	OPTIONAL
Motor in built thermal protections	1+1+1	1+1+1	1+1+1
Overload sensors	1+1	1+1	1+1
Underload/slack wires sensors	1+1+1+1	1+1+1+1	1+1+1+1
Top/Bottom Limits	1+1	1+1	1+1
LEDs Status monitor for: end stops status, hoist directions, data input, hoist selection, 24Vdc PSU, Push to set function	1+1	1+1	1+1
Inverter unit for soft start - soft stop - variable speed	STANDARD	STANDARD	STANDARD
Packed Volume (m <sup>3</sup> ) - standard FLYUP package dimensions	STANDARD	OPTIONAL	OPTIONAL
Packed Weight (Kg) - (Packed weight could vary according the different Hoist configurations)	0,58m <sup>3</sup> - (47x112x110)cm gross 85	0,83m <sup>3</sup> - (47x160x110)cm gross 100	1,27m <sup>3</sup> - (55x210x110)cm gross 190



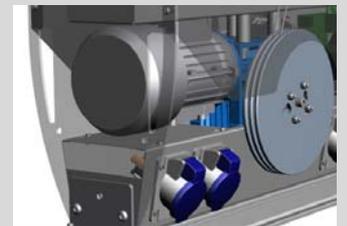
Top view for trackable application with possible hoist pan +/- 30°



Additional festoon cable for track-able application available on request



Standard Self-folding cable management available for 2 or 3 circuits plus DMX or Ethernet. Special Festoon cables available on request



Details on standard Motor group with irreversible worm gearbox and Pile-on-main-pulleys system

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