

- PE800X30** - Drop up to 3,4m lifting capacity 40Kg - 60/80Kg with top special bracket - 200/240Vac SP supply
- PE800X40** - Drop up to 4,1m lifting capacity 40Kg - 60/80Kg with top special bracket - 200/240Vac SP supply
- PE800X50** - Drop up to 5,3m lifting capacity 40Kg - 60/80Kg with top special bracket - 200/240Vac SP supply
- PE800X60** - Drop up to 6,1m lifting capacity 40Kg - 60/80Kg with top special bracket - 200/240Vac SP supply
- PE800X75** - Drop up to 7,6m lifting capacity 40Kg - 60/80Kg with top special bracket - 200/240Vac SP supply
- PE800X85** - Drop up to 8,5m lifting capacity 40Kg - 60/80Kg with top special bracket - 200/240Vac SP supply

X-FLY80 Motorized pantographs are ideally suited for use in TV Studios, Theatre, Auditorium, and other application with ceilings up to 10 metres high. In combination with the FLY TRACK SYSTEM T8 and the relevant manual or motorized carriages it is the perfect solution to provide accurate positioning of lights. Supplied as standard with variable speed drive unit offer uncomparable soft up/down movement, no dynamic shock will influence the attached light or any other equipment you will need to lift. The in built LEDS Status monitor offer a clear understanding of different Pantograph status.



TEYCORIG are pleased to introduce the new X-FLY80 series of Motorized pantographs. Made in aluminium, our new pantographs cover drops of up to 8,5 metres and take up to 40 kilos of load as standard, and up to 60/80 kilos when used with a specially designed upper attachment accessory, (PA862).

Brand new, compact aluminium transmission group with integrate variable speed drive unit for soft start and soft stop.

Irreversible compact worm gear box with 0,25Kw motor.

Power supply input single phase from 200 to 240Vac, to make easy the supply of the unit using existing single phase power distribution, no needs to arrange a dedicated 3 phase power distribution.

New drum winding system, with accurate cable router to avoid rope cross winding, and additional user-adjustable mechanical end stop.

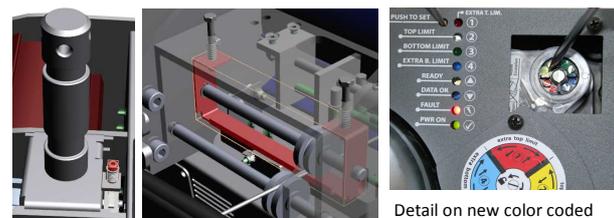
New color coded End stop group with cams adjustable top and bottom limit plus extra limits; adjustable overload device (factory preset); adjustable underload devices one for each rope (factory preset).

New aluminium pantograph arms, with a torsion-resistant oval-shaped profile and a stabilizing bushing pin assembly, guarantee exceptional stability and smooth movement.

New stabilization system with double guides, made entirely from steel, with precision-engineered bushing pin assemblies.

New cable equalizer, made from steel, with self-stabilizing trapezoid profile.

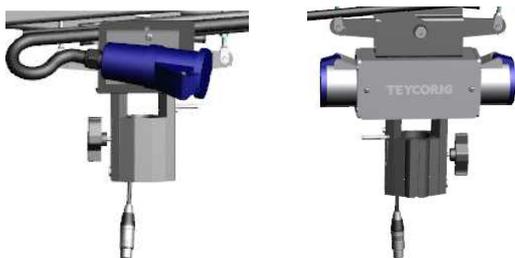
New bottom bushing for lights attachment available standard (29mm) or universal (29mm plus 16mm male or female spigot or bushing, and anti-loosening knob devices.



Detail on adjustable overload devices

Detail on adjustable underload devices, (one for each ropes)

Detail on new color coded endstop group device with LEDS status Monitor, and unique and smart PUSH TO SET FUNCTION to make easy the end stops setup.



Optional Circuits are available on request 16/20/32A with CE/IEC309/UL-NEMA /DMX/ETH/Plugs and Sockets, single or double circuit plus DMX/ETH

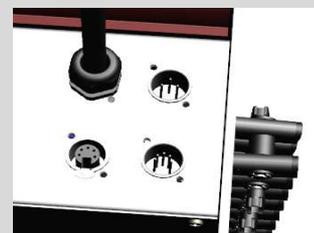
Designed to meet DIN/EN 15560/46 and BGV1 standard



Detail on top gear group Front and Back side, with LEDS Status Monitor, Color Coded End Stop Group, Motor Inverter Unit, underload devices and scissor guide with 28mm standard spigot.



Detail for top special bracket (PA862) to be installed on request to get 60 (80Kg lifting capacity)



Detail for:

- Power input: 200/240Vac single phase+PE
- Control Input: 24Vdc on XLR3 connector
- PIN 1: +24Vdc max 50mA to remote ctrl.
- PIN 2: input Terminal 4 up/down
- PIN 3: input Terminal 5 up/down
- Conn. GND: GND to remote control
- Optional: DMX/RS485/CAN/ETH Dig. Ctrl.



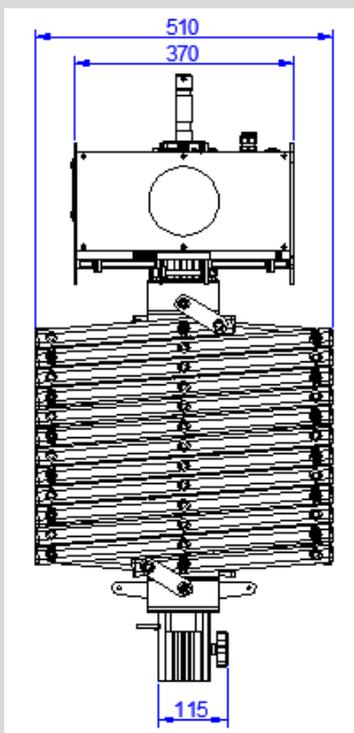
Detail on OPTIONAL PO Switch Cup for local or PO up/down operation (PA870)



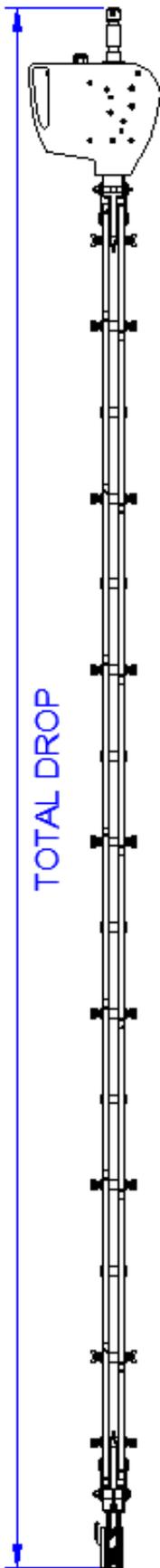
Deatilon on bottom scissors guide with ropes stabilizer device on trapezoid profile, socket plate with multi holes supplied as standard, bottom 29mm bushing available as standard or with universal 16/29mm bushing and 16mm spigot

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

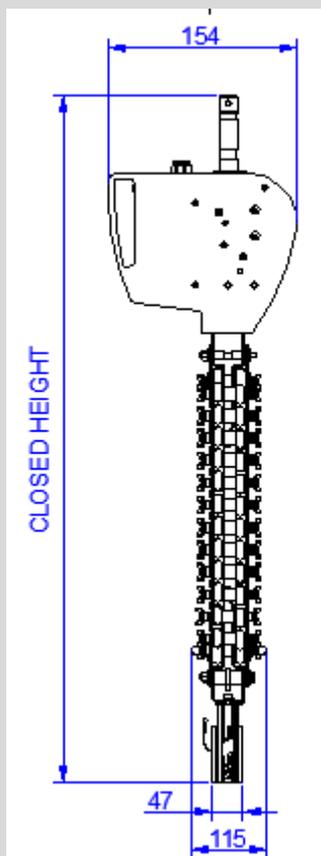
PE800 dimensional data



Front view



TOTAL DROP



CLOSED HEIGHT

X-FLY80 - Motorized pantograph - Specification data		PE800X30	PE800X40	PE800X50	PE800X60	PE800X75	PE800X85
Pantograph Model		40	40	40	40	40	40
Working Load Limit (WLL) Kg		60	60	60	60	60	60
Working Load Limit with special top fixing (WLL) Kg		3420	4120	5320	6120	7680	8520
Total drop (B) mm		870	930	1020	1080	1240	1270
Closed height (A) mm		510/570	510/570	510/570	510/570	510/570	510/570
Scissor width (mm) (net with cable)		50/115	50/115	50/115	50/115	50/115	50/115
Scissor depth (mm) (net with cable)		154	154	154	154	154	154
Pantograph gear group size (mm)		370	370	370	370	370	370
Pantograph gear group width (mm)		25.8	26.6	27.9	28.8	30.5	31.8
Self weight (Kg)		Remote or local P.O.					
Drop adjustment		OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
Local control cup P.O. for up/down operation (PA870)		4.3	4.3	4.3	4.3	4.3	4.3
Lifting speed (m/min)		2x2.5mm	2x2.5mm	2x2.5mm	2x2.5mm	2x2.5mm	2x2.5mm
Lifting steel ropes diameter (mm)		10	10	10	10	10	10
Safety Factor		spigot 28mm (1-1/8")					
Standard top fixing		socket 29mm (1-1/8")	socket 29mm (1-1/8")	socket 29mm (1-1/8")	socket 29mm (1-1/8")	socket 28mm (1-1/8")	socket 28mm (1-1/8")
Standard bottom fixing		on request					
Special top/bottom fixing for LCD Mon/Speaker/Microphone/etc.		1/2 on request					
Lighting circuits standard with 16/32A, cable 3x2,5/3x4mmq, with plug/slit		on request					
AUX Circuits - DMX/Ethernet/Audio/Video/etc.		on request					
Gear reducer irreversible		worm 1:80					
Additional Mechanical brake - Top/Bottom		1+1	1+1	1+1	1+1	1+1	1+1
Motor Power (Kw)		0.25	0.25	0.25	0.25	0.25	0.25
Motor Voltage input (CE - UL) 3 phase (Vac) 230/400-208 50/60 Hz Optional		OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
Motor Voltage input (CE - UL) single phase (Vac) Standard with Inverter Unit		200/240/Vac	200/240/Vac	200/240/Vac	200/240/Vac	200/240/Vac	200/240/Vac
Motor control standard (Vdc)		24	24	24	24	24	24
Motor control optional		CAN-RS485-DMX-ETH	CAN-RS485-DMX-ETH	CAN-RS485-DMX-ETH	CAN-RS485-DMX-ETH	CAN-RS485-DMX-ETH	CAN-RS485-DMX-ETH
Inverter in built thermal protections		1+1+1	1+1+1	1+1+1	1+1+1	1+1+1	1+1+1
Overload sensors		1	1	1	1	1	1
Underload sensors		1+1	1+1	1+1	1+1	1+1	1+1
Top/Bottom Limits		1+1	1+1	1+1	1+1	1+1	1+1
Top/Bottom Extra Limits		1+1	1+1	1+1	1+1	1+1	1+1
Inverter unit for soft start - soft stop - variable speed		STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD
Volume pkg m ² - standard PE800 pkg dimensions for up to 8.5m(60x120x55)cm		0.4m ²	0.4m ²	0.4m ²	0.4m ²	0.46m ²	0.46m ²
Weight pkg (Kg)		34.3	35.1	36.4	37.3	40	41.3