

Lightweight Type



done by human power!

20 kg door fitting operation







The electric balancer Moon Lifter is a completely new power-assist device that allows workpieces to be handled as if they were weightless.

Dust-Proof & All-Weather Type



Dust-proof and drip-proof type suitable for outdoor work.

Furthermore, stainless chain is equipped as a standard.

No external fan allows for use in oil mist or dusty environments.

MLT-60K

Maximum lifting load 60 kg Maximum lifting/lowering speed 500 mm/s

MLT-120K

Maximum lifting load 120 kg Maximum lifting/lowering speed 250 mm/s

MLT-240K

Maximum lifting load 240 kg Maximum lifting/lowering speed 125 mm/s

> 635 mm (When chain is reeled up to the limit)



. 2.3 or 4.3 n

ower hook Convertible to

Dust-Proof & Drip-Proof type

For receiving and unloading cargo outdoors

Fanless and can be used in dusty environments



Make worksites used to be operated by human power or by hoist more comfortable.

Useful in a wide range of applications. Both hands can be used freely, making it ideal for transporting long or delicate workpieces.

ML-60K

Maximum lifting load 60 kg Maximum lifting/lowering speed 500 mm/s

ML-120K

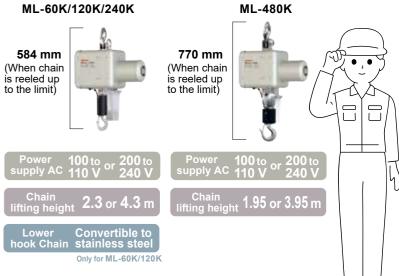
Maximum lifting load 120 kg Maximum lifting/lowering speed 250 mm/s

ML-240K

Maximum lifting load 240 kg Maximum lifting/lowering speed 125 mm/s

ML-480K

Maximum lifting load 480 kg Maximum lifting/lowering speed 62.5 mm/s



Safe and comfortable work for all people and all workplaces

The electric balancer Moon Lifter is a completely new power-assist device that can freely control both position and speed with the force of the hand applied to the workpiece. The workpiece can be moved while directly holding it with both hands, allowing the workpiece to be moved to the target location and positioned exactly where it is supposed to be! Make gentle handling without scratching the workpiece come true.

This is BALANCE mode!

Assist Power VS. Weight of Workpiece





- **✓** Always detect weight with sensor
- **▼** Operates just by plugging into an outlet
- **▼** Can be positioned down to the millimeters
- **▼** Customize movements to suit the work
- Handling workpieces of different weights flexibly
- Wide variety of options such as griping tools and installation jigs



- Is it different from hoist cranes?
- A Workpieces in balance mode can be moved intuitively and effortlessly by human hands.

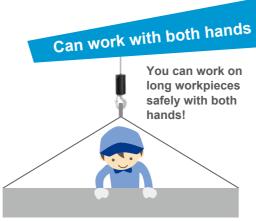
Positioning and assembly of heavy objects can also be done with both hands.

- Are electric balancers safe? I am concerned about the movement.
- A Moon Lifter's unique control allows it to move only as long as force is applied by hand, and stops as soon as the hand is released, for safe and efficient operation.
- Q Does it only move up and down? How do you hold the workpiece?
- A Lateral movement can be done by combining with an installation jig. We offer gripping tools for holding workpieces too.
- Q What if the layout is changed?
- A It will be ready to use only with AC 100-110 V or AC 200-240 V power supply.

The light weight of the main unit allows for easy layout changes.









Even if the weight or shape of the workpiece changes, it can be handled with the same operation!





Buttonless operation mode





Offset assist load

The amount of assistance can be reduced comparing to the weight of the workpiece.





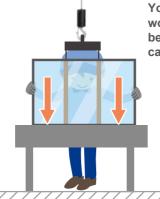
If the center of gravity is unbalanced, the workpiece cannot be aid down when the part of it grounds.



Descend slowly until grounding is detected



Press the button to start descending slowly Assisting mode gradually turns off after grounding.

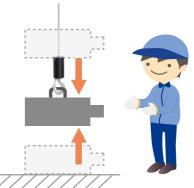


You can handle delicate workpieces with a relief because it does not cause shocks!





height to be worked on is fixed each time.

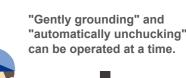


Automatically moves to an assigned position no matter where the workpiece is. It is safe due to load restrictions during movement.



Automatic unchucking gripping tool







Pouring mode







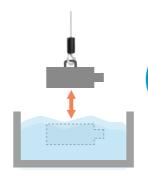
The can rises according to the weight so it does not hit anything.

Automatic iterative lifting and lowering

You can even control movements such as repeating lift up and down movements within a certain range.



Then keep balance and transport safely!



deal for applications where workpieces are poured in and out of liquid many times, such as cleaning or painting.

HOLD mode



Hold the workpiece in the air, assembling & inputting raw materials is possible in a suspended situation! Even if the weight changes, rebalance with one touch!



Improve work efficiency by holding at the ideal height!

Full range of options

Unique

"Inertia Canceller" of Moon Lifter

Even with electric balancers that can handle heavy objects as if it were weightless, it was necessary to continue applying force in the opposite direction in order to stop a workpiece that has gained momentum.

Enabling "Inertia Canceller" allows you to raise and lower safely while increasing work efficiency.



You can stop the workpiece immediately by simply relaxing your hand pressure being added to it.





Emphasis on workability: "When touched a little, it stops immediately."

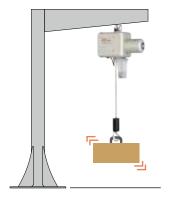
When the hand is released, the workpiece moves due to inertia but it will stop as soon as being touched by a human or or hitting something.



Tips

Safety features in case of emergency

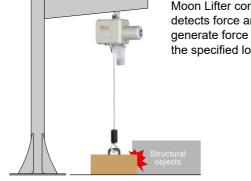
Blackout



The brake prevents the workpiece from falling.



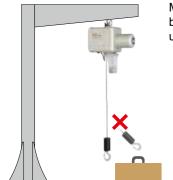
Overload



Moon Lifter constantly detects force and does not generate force exceeding the specified load.



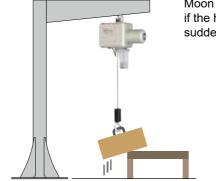
Buck-jumping



Moon Lifter will not buckjump even if the hook is unexpectedly released.



Falling



Moon Lifter will be locked if the hook is pulled suddenly.



Input/output signal cable for control



Controller mounting

Can take out the button contact input and LED signal output. You can freely create your own controller.

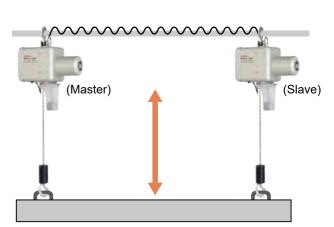
Wired controller **specifications** Straight Cable (2 m) Cable (4 m)

Parallel operation option

Balance movements are possible no matter where you hold the workpiece while maintaining it level!







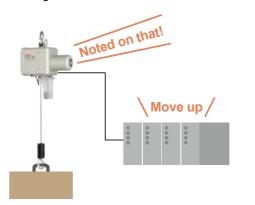
External input/output options

Make your work safer and more comfortable!

Safety can be enhanced by interlocking with area sensors, patrol lamps, and workpiece chucking signals.

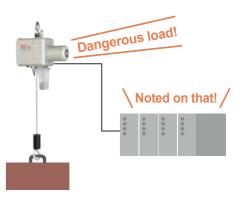
Supports full and semi-automation by the input signal!

Issue commands to Moon Lifter from PLC Preset weight and tare can be switched from PLC



Detects danger and stops with output signal!

Notify the control situation from Moon Lifter to PLC Output abnormalities from Moon Lifter to PLC



Such as operation commands, load comparisons and feed position settings and more 4 bits of input and 4 bits of output can be assigned to Moon Lifter.

For paper bags

Insertion type

Just insert it into the bottom of the paper bag! Perfect for speedy transport.



Clamping type

Clamp the thin part at the top of the bag! Ideal for charging raw materials.



For cardboard box

Horizontal clamping type

Easy clamping & unclamping! Ideal for palletizing.



Clamping type at both ends





Insertion type

Just insert it into the bottom of the cardboard! Perfect for speedy transport.





Clamp both ends of the cardboard!

Can be transported without tilting.



For 5-gallon square can

Clamping type

Insert and clamp! With rotating mechanism.







For container

Equipped with a rotating mechanism for easy removal of contents.



Magnet type

Clamp with magnet. Easy to attach and detach with ON/OFF switch



Adsorption type

Clamped by vacuum adsorption. Perfect for window glass.



Screw clamp type

Insert into screw hole and clamp. Easy attachment and detachment by inserting and removing screw threads with a button operation.

Easy to put on and take off with just the push of a button!



Belt type

Recommend for container and folding container. Belt length can be adjusted freely.



U-shaped

Set workpieces smoothly even in deep places with shelves and ceilings.



For cylindrical workpieces

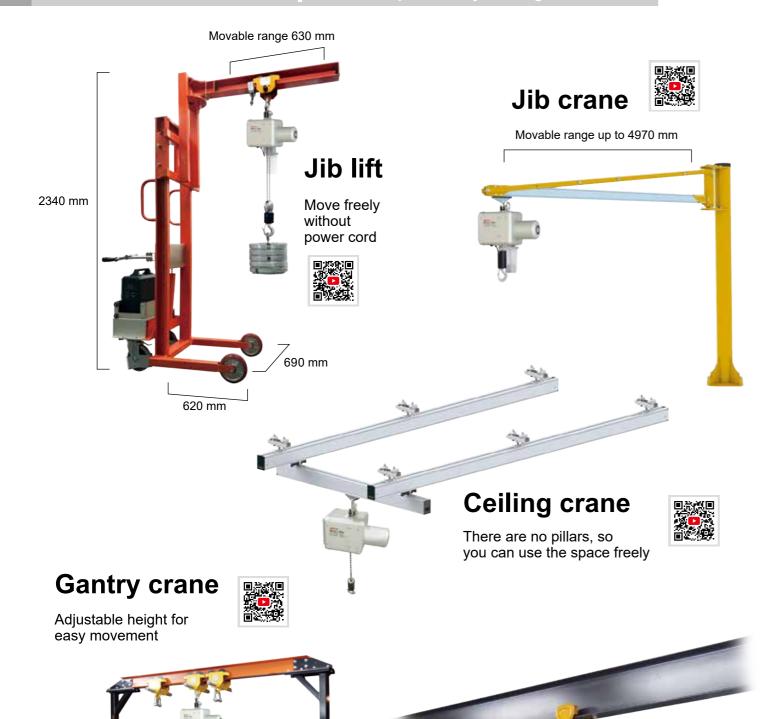
Chuck and lift the inner diameter. The workpiece can be tilted sideways.



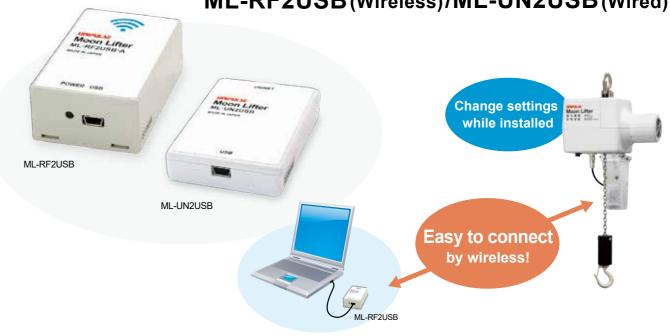
Hammock gear sling

Recommended for cylinders and spheres that are difficult to grasp with a clamping type.

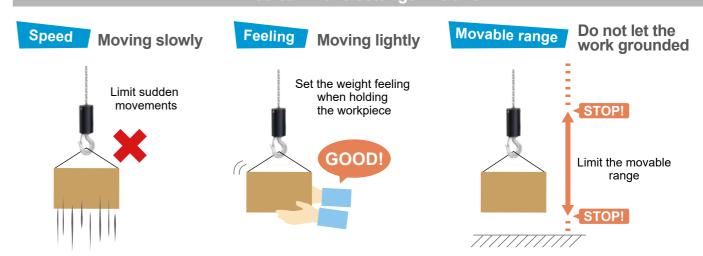




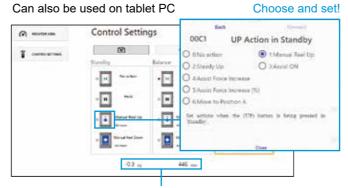
Easily change settings with the free PC application ML-RF2USB (Wireless)/ML-UN2USB (Wired)



You can make settings like this!



Easy settings, just select the functions you want to use



Displaying workpiece weight and feeding amount

Quick recovery from trouble!

You can check the error information that have occurred. Because error info can be sent by e-mail, smooth to inquire!





15

Ceiling rail

Can also be used on

curved rails



Wireless SI/F converter **ML-RF2SIF**

Receiving workpiece weight wirelessly. A SI/F converter that can be easily connected to peripheral devices.

(SI/F is a dedicated interface for communicating with UNIPULSE product)





ML SERIAL CONVERTER

A serial converter for communicating with PLC.

(Cannot be used in conjunction with parallel operation option)

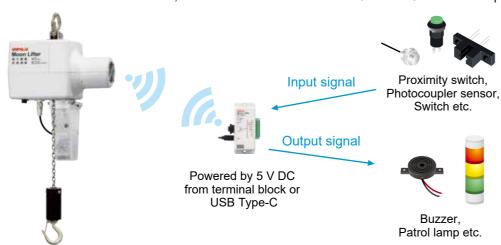


SI/F

Wireless external controller **ML-RFIO**

An external controller that sends and receives control signals to Moon Lifter wirelessly.

- By linking the operation of the gear and the ON/OFF of the switch, it is not necessary to operate on the controller.
- In addition, Moon Lifter state such as BALANCE and HOLD can be output.



To change the settings of Moon Lifter



Check in real time

- Current weight
- Current location
- Maximum lifting load
 Total operating time
- Total mileage

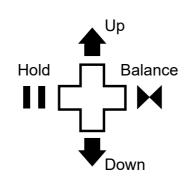


Ring-style controller ML-FRC

You can work with both hands on the workpiece without looking remote control.









Want to fit it while holding it with both hands so that it does not lift up.

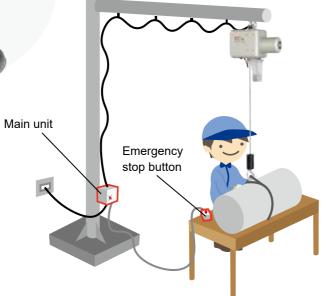


Because it is a fragile item, want to work with both hands from beginning to end.

Non Litter

Emergency stop unit ML-EMG/ML-EMG(SW)

You can install it by simply connecting it to the power line.



Ground large window glass "gently and softly"





Invert large window glass by using only one sling belt

Ground the window glass gently

The ground-fault detection function allows the work progress to be handled safely, even when handling fragile items.

Space-saving inversion work

Window glass inversion work would be a large operation with the air-assisted suction method. With a sling belt, the work can be done easily.

Four-person operation can be done by two people

Large window glass weighing 110 kg or more can be safely transported by two people.

High-quality manufacturing

Good products cannot be made at a site where workers feel burdened by heavy and painful work.

Moon Lifter innovates door fitting operation





Bolt tightening work that used to be done by two persons can now be done by one

Severe & heavy work of door fitting

To fit a door into cabin, we have to stay put while fastening it. Thus this task causes a lot of stress to the waist.

Reducing exerted stress assures workplace safety and health.

Positioning with human hands

The outfitting of doors weighing more than 20 kg in the cabin assembly process of construction and agricultural machinery is a typical heavy work. While supporting the door with one hand, the bolt is tightened with the other hand.

It is now possible to align the fastening with sensation of a human hand.

Huge promise in automation to encourage women involvements

Applicable machine like Moon Lifter eliminates heavy work, thus women can play more active role in workplace.

For checking the appearance of suspended scaffolds after rental and transportation work







Reduction in the number of workers

Transporting a 42 kg suspended scaffold, which used to be hard work for two elderly people, can now be done by one person.

Can work at any height

The ability to lock the unit at any height allows the worker to check the appearance of both sides in a comfortable position.

Wireless controller is the deciding factor

The cord doesn't get in the way when changing directions. The controller can be put anywhere wanted.

Young people are wished to settle down

Heavy-duty work outdoors, especially in winter, was difficult because the range of motion of human body was limited by wearing winter clothes.

By eliminating heavy-duty work, the workplace can become more comfortable.

For transporting molds up to 1 ton







Introduction of MLH-1500K*

The MLH-1500K* is used for placing and inverting molds weighing up to 1 ton on the maintenance table.

Smooth fitting of molds

The worker can check the condition of the workpiece while operating the machine, in order to make sure that there is no galling or scratching even when fitting super-heavy loads.

Both hands can be used freely

Both hands can be used to operate the molds, which eliminates load shaking and ensures safety.

Utilize subsidies

The Moon Lifter, rails, and installation work were installed at a low cost.

Saving labor & strength for plastic container handling





Move to a corner of the room when not in use Effective use of space

23

Lifting container easily with only 1 person

This operation is to repeatedly place heavy plastic containers, which can weigh 15 kg or more, on a cart. No cumbersome operations are required and can be done smoothly with both hands.

Easier alignment

Because it can be operated just like a human hand, positioning of the collapsible plastic crate became not confusing for anyone who works with it.

Moving freely

The main unit is lightweight, which make it easy to make

Moon Lifter can be used anywhere as long as there is a 100 V outlet*.

Creating an environment for willingness to work long-term

Work environment must able to support aging staffs. By eliminating heavy workload, women can work comfortably too.

^{*}MLH is the high capacity type for super-heavy workpiece.

Please consult with us if you consider Moon Lifter for the use of transporting super-heavy objects.

^{*}Moon Lifter operates at AC 100 to 110 V as well as 200 to 240 V.

Bag-in-box (BIB) Inserting without tearing the inner bag



Speedy operation of stuffing workpieces into cardboard boxes with no gaps



Ground automatically and gently

The machine descends automatically and slowly until it detects the grounding and then releases the assist function.

Space-saving is the deciding factor

The system can be installed in limited space, which is even difficult to install an arm-type assist device.

Operation that anyone can do

Since the work is no longer heavily reinforced, anyone can now do it.

Production of even the gripping tools

The introduction of the special gripping tools, from design to production, went smoothly.

For smooth cardboard sorting work



For the site where automation is difficult

Automation was difficult because visual sorting was required.

We were able to eliminate the heavy work without changing the work content or layout.

Quick transport

Up to 8 tons of fish are shipped per day, so speed was important

By eliminating button operations, the work speed improved a lot.

Quick introduction

We wanted to finish everything from equipment selection to installation during the off-season for fish. The service was smooth, from the demonstration to the quotation and scheduling of the installation.

Specifications & External dimensions

Main unit Lightweight type

	71		
Model	ML-40K MLS-60K		
Maximum lifting load	40 kg 60 kg		
Maximum lifting/	500 mm/s	250 mm/s	
lowering speed	300 11111/5	250 11111/5	
Lift	2300 mm/430	00 mm (Option)	
Chain	φ4.0×12 (Electroless nickel plating)		
Chain breaking strength	20 kN or more		
Power supply	ML-40K : AC 100 to 110 V (-15% +10%) 7 A		
	MLS-60K : AC 100 to	110 V (-15% +10%) 5 A	
Main unit dimensions	314×179	×176 mm	
Main unit weight	Approx	. 8.5 kg	
Operating temperature range	0 to	40°C	
Operating humidity range	80% RH or less (No condensation)	
Durability	Equivalent to M8		
Power cable	Approx. 3 m (E	Exchangeable)	

Please contact us if you wish to change the chain or the lower hook and surrounding parts to stainless steel, change the maximum load, change the lifting height to 4 m or higher or extend the power cable.

Structure of product code

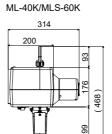
ML - 40K <u>□</u>		
①Option		
Sign	Option	
N/A	Standard	
-200V	AC power supply	
	200 to 240 V (Single phase)	
(L4)	Lifting height: 4.3 m	
(JAB)	Attach bellows	

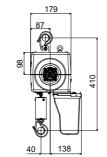
The lifting height when selecting (JAB) is 2 m, (L4) cannot be selected.

MLS-60K□

①Option	n ①
Sign	Option
N/A	Standard
-200V	AC power supply
	200 to 240 V (Single phase)
(L4)	Lifting height: 4.3 m
(JAB)	Attach bellows
	g height when selecting 2 m, (L4) cannot be selected.

External dimensions





Main unit Dust-proof & All-weather type

= p			
Model	MLT-60K MLT-120K MLT-240k		
Maximum lifting load	60 kg 120 kg 240 kg		240 kg
Maximum lifting/	500 mm/s	250 mm/s	125 mm/s
lowering speed	500 11111/5	250 11111/5	
Lift	2300 mm/4300 mm (Option)		
Chain	φ5.0:	×15 (Stainless	steel)
Chain breaking strength	20 kN or more		
Power supply	AC 100 to	120 V (-15% -	+10%) 8 A
Main unit dimensions	38	39×191×223 m	m
Main unit weight		Approx. 18 kg	
Operating temperature range		0 to 40°C	
Operating humidity range	80% RH o	r less (No con	densation)
Durability	Е	quivalent to M	8
Power cable	Approx	. 3 m (Exchan	geable)
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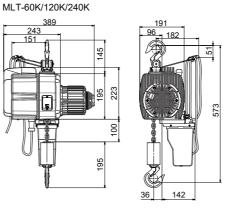
Please contact us if you wish to change the chain or the lower hook and surrounding parts to stainless steel; change the maximum load; change the lifting height to 4 m or higher; or

Structure of product code



240	Z-TO NG
2Option	1
Sign	Option
N/A	Dust-proof & All-weather
	type, standard
-200V	AC power supply
	200 to 240 V (Single phase)
(M)	Parallel operation
(L4)	Lifting height: 4.3 m
(EXO)	External I/O

External dimensions



Main unit Standard type

Model	ML-60K	ML-120K	ML-240K	ML-480K
Maximum lifting load	60 kg 120 kg 240 kg		240 kg	480 kg
Maximum lifting/	500 mm/s	250 mm/s	125 mm/s	62.5 mm/s
lowering speed	500 mm/s		125 11111/5	
Lift (Standard/Option)	230	00 mm/4300	mm	1950 mm/3950 mm
Chain	φ	4.0×12 (Elec	troless nickel	plating)
Chain breaking strength	20 kN or more			
Power supply	AC 100 to 110 V (-15% +10%) 8 A			
Main unit dimensions	394×212×221 mm 394×213×221 mn			394×213×221 mm
Main unit weight	Approx. 21 kg Approx. 20 kg Approx. 26 kg		Approx. 26 kg	
Operating temperature range	0 to 40°C			
Operating humidity range	80% RH or less (No condensation)			
Durability	Equivalent to M8			
Power cable	Approx. 3 m (Exchangeable)			

Please contact us if you wish to change the chain or the lower hook and surrounding parts to stainless steel; change the lifting height to 4 m or higher; or extend the power cable.

Structure of product code

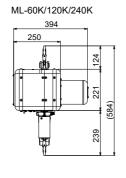


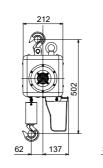
Ulviaxiillulli lillilig load		
Sign	Maximum lifting load	
60	60 kg	
120	120 kg	
240	240 kg	
480	480 kg	

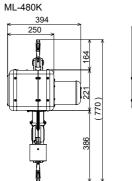
②Option	1
Sign	Option
N/A	Standard
-200V	AC power supply 200 to 240 V (Single phase)
(M)	Parallel operation
(L4)	Lifting height: 4.3 m 3.95 m for only ML-480K
(PGS)	Wired Controller Spiral Cable
(PGW)	Wired Controller Straight Cable
(EXO)	External I/O
(JAB)	Attach bellows

(PGS)(JAB) cannot be selected for ML-480K. The lifting height when selecting (JAB) is 2 m, (L4) cannot be selected.

External dimensions





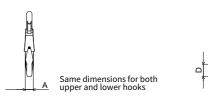


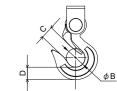
ML-60K ML-120K/240K 35 137

213

Hook External dimensions

Model	Α	φВ	С	D
ML-40K MLS-60K	12	φ22	23	14
ML-60K/120K/240K MLT-60K/120K/240K	15.5	φ35	24	23.5
ML-480K	22	φ43	28	27



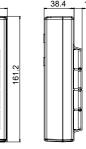


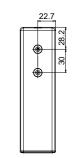
Rechargeable wireless controller

•	
Model	ML-RFC2
Dimensions	45.4×38.4×161.2 mm
Weight	Approx. 220 g
Operating environment	The same as main unit
Power supply	Built-in lithium-ion battery
Charging time	Approx. 5 hours
Continuous operating time	Approx. 1 month (Assuming power is ON for 8 hours a day)
Communication frequency	920.7 to 927.9 MHz
Communication range	10 m

External dimensions

ML-RFC2

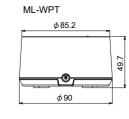




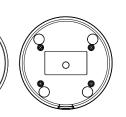
Charging stand

ML-WPT
φ90×49.7 mm
Approx. 360 g
The same as main unit
DC 12 V (Dedicated AC adapter)
AC adaptor (AC power supply 100 to 240 V, DC 12 V output)

External dimensions







Ring-style controller (Optional accessories)

• .	· · /
Model	ML-FRC
Dimensions	35×43×53 mm
Weight	Approx. 50 g
Operating environment	The same as main unit
Power supply	Built-in lithium polymer battery
Charging time	Approx. 3 hours
Continuous operating time	Approx. 1 week (Assuming power is ON for 8 hours a day)
Communication frequency	920.7 to 927.9 MHz
Communication range	5 m
Accessory	AC adapter, USB cable,
	Sticker showing the communication channel

External dimensions



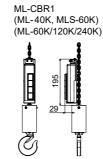


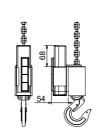


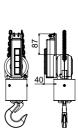


Bracket for mounting controller (Optional accessories) External dimensions

MLT-CBR1 (MLT-60K/120K/240K)



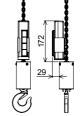




ML-CBR2

(ML-480K)

ML-CBR6 (ML-40K, MLS-60K) (ML-60K/120K/240K/480K)



The illustration above is an usage example of ML-40K.

26

unit : mm

Emergency stop unit (Optional accessories)

ML-EMG (100V)

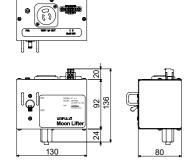
VIL LIVIO (1001)		
Model	ML-EMG (100V)	
Dimensions	130×92×80 mm	
Weight	Approx. 1.2 kg	
Operating environment	The same as main unit	
Power cable	Approx. 2 m	
Supported series	Each series of ML, MLS, MLT (100V specification)	
Usage	Use by connecting the power cable of the main unit.	
	Power shut off by opening EMG SW connector.	

ML-EMG (200V-1-N)

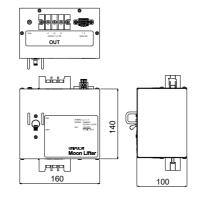
Model	ML-EMG(200V-1-N)
Dimensions	160×140×100 mm
Weight	Approx. 1.6 kg
Operating environment	The same as main unit
Power cable	Terminal block
Supported series	ML-Series (200V specification)
Usage	Use by connecting the power cable of the main unit.
	Power shut off by opening EMG SW connector.

External dimensions

ML-EMG (100V)



ML-EMG (200V-1-N)



ML serial converter (Optional accessories)

General performance

Model	ML SERIAL CONVERTER
Dimensions	65×70×25 mm
Weight	Approx. 100 g
Power supply	DC 24 V (±10%)
Power supply voltage	Approx. 0.5 W
Operating environment	The same as main unit
Accessory	Cable for UNINET connection (5 m)

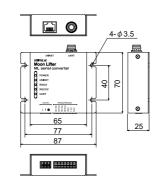
Communication condition

(Fixed as follows based on the communication condition of $\mbox{UNINET})$

Communication method	Start/stop synchronous half-duplex communication
Board rate	115200 bps

External dimensions

ML SERIAL CONVERTER



Communication unit for PC application (Optional accessories)

	• •	` '
Model	ML-RF2USB	ML-UN2USB
Dimensions	45×25×65 mm	50×15×70 mm
Weight	Approx. 50 g	Approx. 40 g
Power supply	Supplied via USB port (DC 5 V)	
Operating environment	The same as main unit	
Connection method	Wireless	USB cable
Communication range	10 m	-
Accessory	USB cable (1.8 m)	USB cable (1.8 m)
		Wired connection cable (5 m)
Support OS for	Windows 10, 11	
PC application		

External dimensions

ML-RF2USB



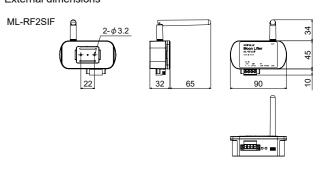
ML-UN2USB



Wireless SI/F converter (Optional accessories)

Model	ML-RF2SIF
Dimensions	90×32×45 mm (Not including projections)
Weight	Approx. 70 g
Power supply	DC 24 V (±10%)
Power supply voltage	0.8 W
Operating environment	The same as main unit
Connection method	Non-polar 2-wire
Communication frequency	920.7 to 927.9 MHz
Communication range	30 m (Depends on communication environment)
Accessory	Dedicated antenna, SIF connector,
	Sticker showing the communication channel

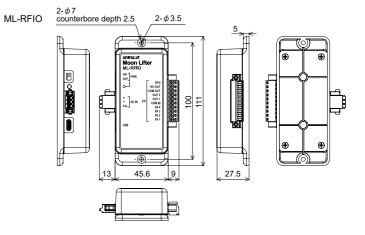
External dimensions



Wireless external controller (Optional accessories)

Model	ML-RFIO
Dimensions	45.6×27.5×111 mm
Weight	Approx. 75 g
Power supply	DC 5 V (±5%)
Power supply voltage	Approx. 0.5 W
Operating environment	The same as main unit
I/O signal	Input: 4 ch/Output: 2 ch
Power output	DC 5 V (±5%)
Communication frequency	920.7 to 927.9 MHz
Communication range	10 m (Depends on communication environment)
Accessory	IO connector, Power connector,
	Mini driver, USB cable (2 m),
	Sticker showing the communication channel

External dimensions



I/O signal control cable, loose end (Optional accessories)

Model	MLX-C-TS2M	MLX-C-TS4M
Cable length	2 m	4 m

Maintenance for Moon Lifter main unit

- · Use a lubricant which UNIPULSE specifies.
- Clean and lubricate the chain every three months (More than once a month in case using under harsh conditions such as outside.)

Safety precautions

Make sure to comply with applicable laws concerning to radio communications of a country where Moon Lifter is used. The safety precaution on the operation manual attached to Moon Lifter is meant to ensure correct usage of this product, prevent any harm to customers and protect this product.

Be sure to read these precautions carefully, and please keep the instruction manual in a place where you can refer to at any time.

The manufacturer is not liable for any personal injury or accidental damage caused by misuse of improper handling.

Moon Lifter



Extensive lineup with 3 types, 9 models in total

Lightweight type

ML-40K Maximum lifting load 40 kgMLS-60K Maximum lifting load 60 kgMaximum lifting/lowering speed 250 mm/s

Dust-proof & All-weather type NEW!

MLT-60K Maximum lifting load 60 kg Maximum lifting/lowering speed 500 mm/s
MLT-120K Maximum lifting load 120 kg Maximum lifting/lowering speed 250 mm/s
MLT-240K Maximum lifting load 240 kg Maximum lifting/lowering speed 125 mm/s

Standard type

ML-60K Maximum lifting load 60 kg
 ML-120K Maximum lifting load 120 kg
 ML-240K Maximum lifting load 240 kg
 ML-240K Maximum lifting load 240 kg
 Maximum lifting/lowering speed 125 mm/s
 ML-480K Maximum lifting load 480 kg
 Maximum lifting/lowering speed 62.5 mm/s

Video available on our YouTube channel!



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Memo