

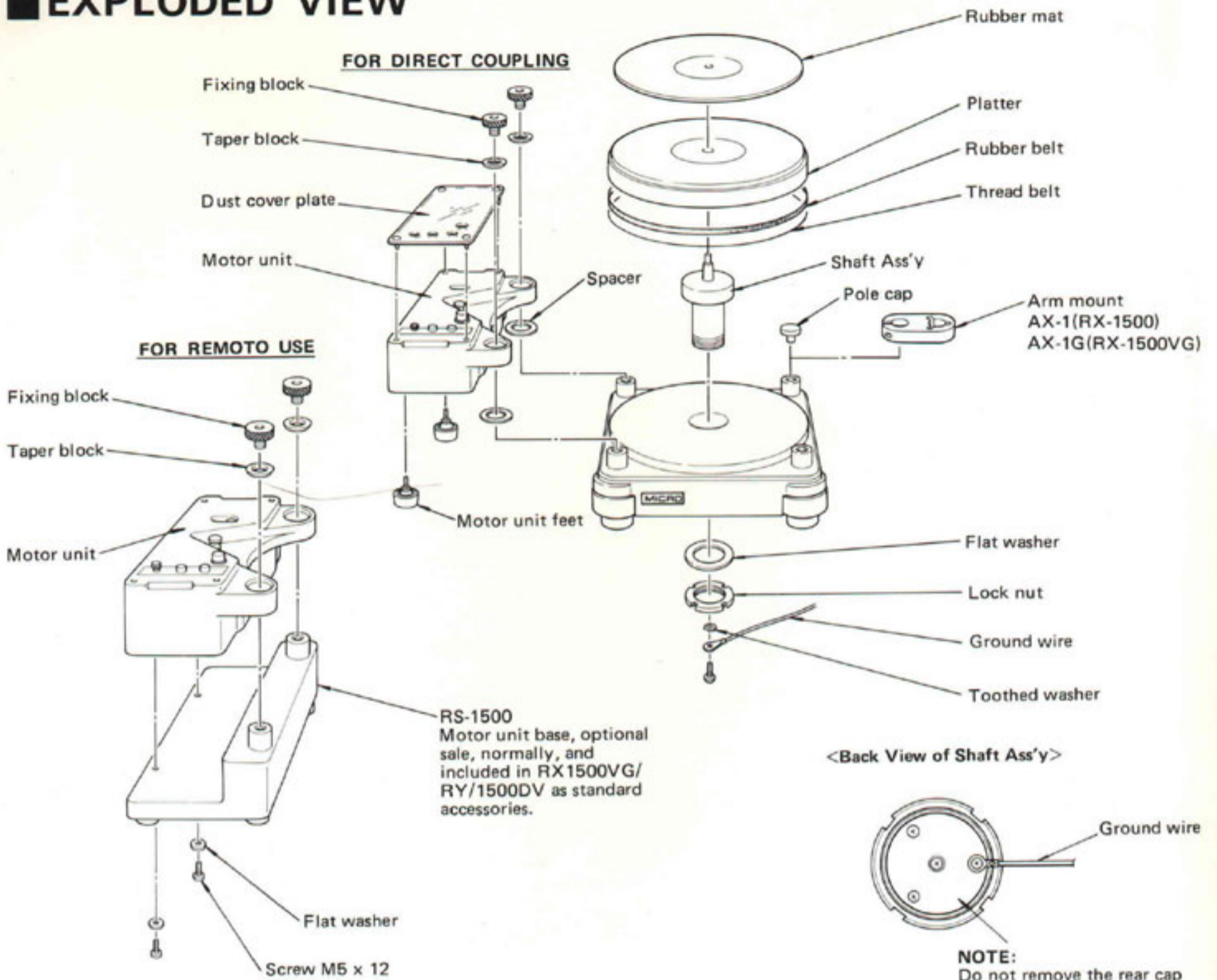
OPERATING MANUAL

MICRO SEIKI

RX-1500/RY-1500D

RX-1500VG/RY-1500DV

EXPLODED VIEW



ACCESSORIES

Before attempting assembly, please check the parts supplied against this list:

● RX-1500	Q'ty	● (RX-1500VG)	Q'ty
● Rubber mat	1	In addition to the above accessories of RX-1500.	
● Platter	1	● Drive belt SF-1L seamless fabric	1
● Platter protect film	1	● Carrying handle for bronze platter	1
● Stroboscope MST-105	1	● Arm mount AX-1G instead of AX-1	1
● EP adaptor	1	and reduce Rubber mat.	
● Arm mount AX-1	1		
● Screw driver	1		
● RY-1500D		● (RY-1500DV)	
● Fixing block	2	In addition to the above accessories of RX-1500D.	
● Taper block	2	● Motor unit feet (for direct coupling use)	2
● Dust cover plate	1	● Airpump RP-1090	1
● Spacer	2		
● Hexagon wrench	1		
● Drive belt B-91 rubber	1		
● Drive belt K-5 thread	1		

Before assembling, please be kindly advised that; RX1500/RY1500D can be driven with K-5 thread belt, B-91, rubber belt, supplied and optional SF-3 seamless fabric belt. However, RY1500D motor unit must be coupled with RX1500 platter unit by fixing blocks supplied.

If you buy RS1500 motor unit base, and SF-1L long seamless fabric belt, you can separate RX1500 platter unit and RY1500D motor unit and use as remote drive system which accepts multi-tone-arms, adding spare arm mounts corresponds to the specific tone-arms, you are going to use with the turntable.

■ ASSEMBLING AND ADJUSTING

1. Installing the Platter

Holding the platter by the finger holes provided, place it over the center shaft and then place the rubber mat on the platter.

2. Setting the Motor Unit

Use the fixing block and the taper block to join the motor unit to the frame.

When you use the turntable as remote drive, remove the motor unit feet and fix the unit to the base with two screws and fixing blocks. The height of the four legs of the base can be adjusted.

Set on a level surface so there is no rattling.

3. Mounting the Tonearm

● Tonearm Assembly

Mount the tonearm in the arm mount and secure using one of the following methods depending on the type of tonearm employed:

- 1) Secure the arm base using the three screws provided. Align the arm base to the grooves in the arm mount and insert the screws. Then, on the reverse, position the retainer washer and secure using the nuts provided.
- 2) When the arm base, retained by a nut, has a diameter of less than 20 mm, secure firmly by including the retainer washer on the reverse.
- 3) When the arm base and the arm center shaft have a diameter between 21 and 27 mm, secure without using the retainer washer.

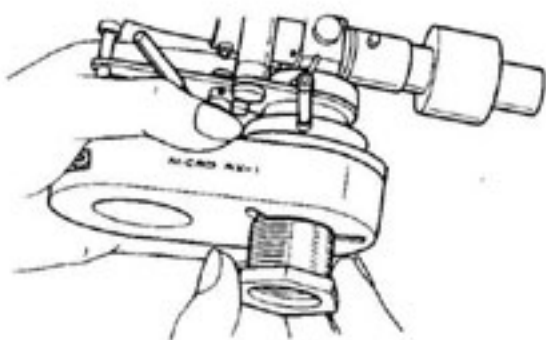


Fig 1.

● Arm Mount Installation

After mounting the tonearm, install the mount spacer and then the tonearm/arm mount assembly on the appropriate insulator pole. Fix the cartridge into the tonearm and adjust the installation angle of the mounting until the correct overhang is achieved. When this is obtained, secure firmly with the Hexagon wrench.

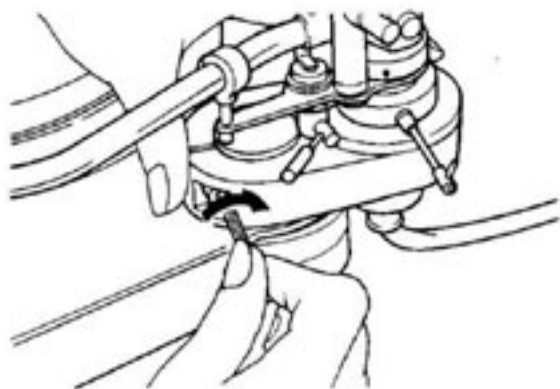


Fig 2.

● AX-1 or AX-1G

Usable distance: 200–240 mm (from the platter center to the tonearm pivot center)

4. Drive Belts

For the motor pulley, the central groove of the drum surface where the belt is attached is used for the thread drive.

● Mounting the Thread and Adjusting Tension

- ① Loosen the tension adjustment screw on the motor unit with the accessory hexagon wrench; after moving the pulley towards the turntable side, cut off enough thread to make one loop around the outside of the pulley and platter and fasten the same tightly. Cut off excess thread from the knot with scissors. (In tying the thread, take the ends first and stretch them so the thread is taut, then the for best results.)

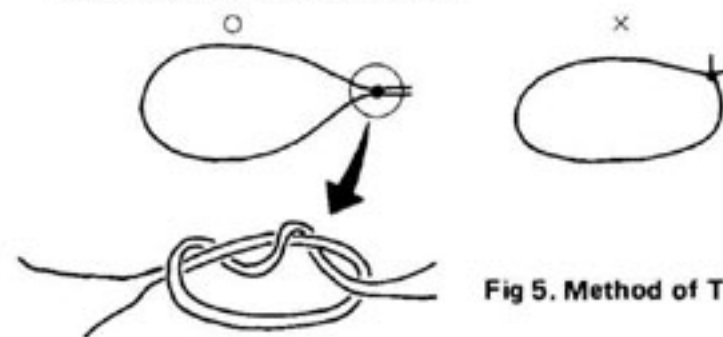


Fig 5. Method of Tying Thread

- ② Tension adjustment can be easily made by moving the hexagon wrench attached as it is to the adjustment screws to loosen or tighten these screws.
- ③ Thread tension is determined by the length of time it takes for the platter to reach a set rotational speed. Use a stroboscope to adjust the tension so that it takes 3 seconds for an aluminum platter and 6 seconds for a bronze platter to reach the set rotational speed of 33 rotations after the switch has been turned ON. (Sound quality varies slightly with thread tension. Taking the above numbers of seconds as guides, try various levels to suit your preference.)
- ④ Make sure that you do not make the thread too tight. Once the platter rotates, the inertia will have an effect and so there is no need for the thread to be pulled too tight because the power is transmitted. However, if the platter is helped to rotate by hand when it first starts up, it will reach the rated speed smoothly.
- ⑤ Be sure to change the thread occasionally so that its unique features at the initial stage are always present. The time for change varies with conditions of usage but if excessive dirt is noted or if there is wear or other damage from friction, the thread should be changed.
- ⑥ With belt drive, tension adjustment is not necessary. At standard operating condition, the pulley is located closest to the turntable side.

(1) How to install with screws

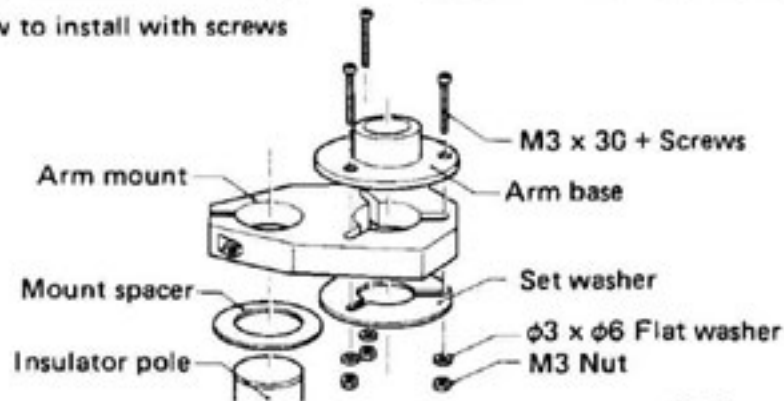


Fig 3.

(2) How to install with the nut

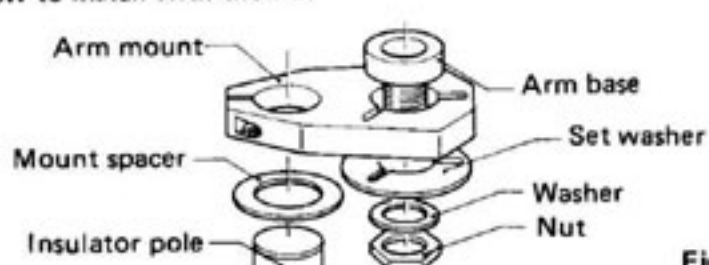


Fig 4.

5. Insulator Height Adjustment (Viewed from above)

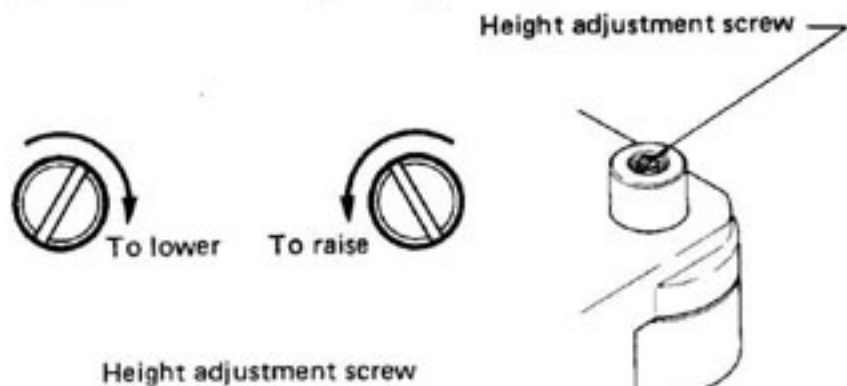


Fig 6.

Fig 7.

Height adjustment simultaneously varies howling resistance. Adjust the four screws by listening sounds so that adequate howling margin has been provided and the turntable is level.

6. Using the Stroboscope

It is necessary to conduct an adjustment check in order to achieve the correct rotational speed (33-1/3 and 45 rpm) of the platter. Place the accessory stroboscope in the center of the platter, and adjust the speed at the drive end so that the stripes appear to stand still.

Only for RX1500VG/RX1500DV

7. Maintaining the Platter

The surface of the platter is treated with a special corrosion-proof material and so it should not be wiped with thinner or other volatile chemicals. It is recommended that you use a soft, clean cloth to remove fingerprints and dirt, etc.

8. Connecting the Air Tube

Tubes are connected as shown in the diagram below. Connect the air tubes from the motor unit to the air pump and the main unit as per Fig. 8.

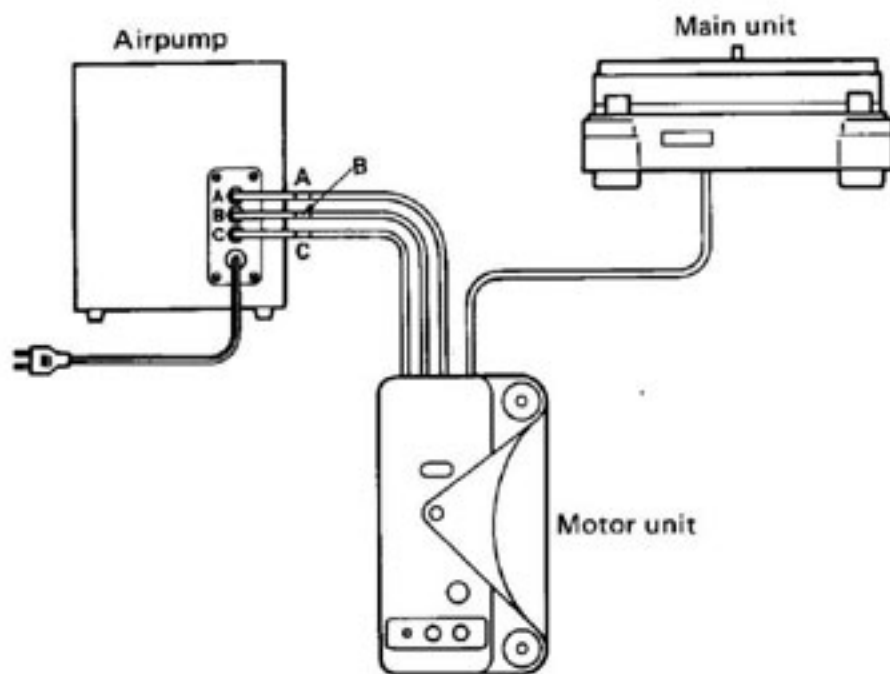


Fig 8.

- In the case of the RX-1500VG gunmetal turntable, be sure to always use the accessory handle.
- Anchor the screws at either end of the carrying handle into the two holes on the top of the platter until they will go no further. Now take hold of the handle pipe section and you will be able to mount and detach the platter quite safely.

• Suitable Tonearms

- **AX-1/AX-1G**
MICRO/MA500, CF-1, MA-505X
ADC/LMF-1-LMF-2
AUDIO CRAFT/AC 300C.A.
DENON/DA307-309-401
FR/FR54-24MK II-14
SAEC/WE-308N-308SX-407/23
GRACE/G-945S
TECHNICS/EPA-101 S-L-121S-L
PIONEER/PA-1000
INFINITY/FORMULA 4
- **AX-2/AX-2G**
SME/3009S II-S III
- **AX-3G**
MICRO/MA-505L
EMT/997
ORTOFON/RF297-RMG309
AUDIO CRAFT/AC-300A-400A-C-400MK II
DENON/DA-302-304-308
GRACE/G-565F-860FB-960
SAEC/WE-308L
- **AX-4G**
SME/3012-R
- **AX-5G**
FR/FR-64-64S
- **AX-6G**
MICRO/MAX-282
LUSTER/GST801
AUDIO-CRAFT/AC-4000MC
AUDIO TECHNICA/AT-1501 II-1501 III
FR/FR-66S
SAEC/WE-506/30
VICTOR/UA-7082-7045
TECHNICS/EPA-100
GRACE/G660P
- **AX-7G**
MICRO/MAX-282
AUDIOCRAFT/AC4000MC
- **AX-8G**
MICRO/MA505MK III X II
SAEC/WE-308N-308SX-407/23
AUDIO CRAFT/AC300MK II-3000MC
- **AX-9G**
MICRO/MAX-237

SPECIFICATIONS

• RX-1500/RX-1500D

Power requirements;	AC120V (60 Hz) or AC 220V (50 Hz)
Power consumption;	4W
Motor;	DC servo motor
Motor speed;	666 rpm with 33-1/3 rpm disc speed 900 rpm with 45 rpm disc speed
Speed adjustment range;	±3%
Wow/flutter;	0.025% (WRMS)
S/N ratio;	75 dB (DINB)

• RX-1500VG/RX-1500DV

• Airpump RV-1090

Power requirements;	AC 220V (50 Hz), 5W or AC 120V (60 Hz), 6W
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■ NET WEIGHT

• RX-1500/RX-1500D	16.5 kg
• RX-1500VG/RX-1500DV	37.1 kg
• RS-1500	6.6 kg incl.)

■ DIMENSIONS

Unit: mm

