GENERAL

This Catheterization Table KS-70, which is combined with X-ray high voltage generator, X-ray tube assembly, X-ray image system (Image Intensifier, Flat Panel Detector, X-ray TV camera), and contrast medium injector, etc. in a cardiovascular examination system, is a diagnostic table to perform X-ray fluoroscopy and radiography on the object in horizontal position.

The KS-70 can be applied to the following application fields.

(1) Cerebral angiography
(2) Cardiovascular angiography
(3) Abdominal angiography
(4) Peripheral angiography
FEATURES

(1) Low X-ray absorption CFRP tabletop
The CFRP (carbon fiber reinforced plastic) tabletop achieves low X-ray absorption and provides excellent contrast image quality.

(2) 227 kg Patient load with additional 100 kg CPR support
The table is capable of 227 kg patient load which is the largest in the industry. Furthermore, additional 100 kg are offered for the CPR (Cardio-Pulmonary Resuscitation) at CPR position.

(3) Wide patient coverage
The KS-70, in combination with the Shimadzu C-arm Gantry, secures wide longitudinal patient coverage as well as transverse patient coverage. X-ray fluoroscopy and radiography can be performed from the head to toes, and from right to left. The light tabletop slide makes patient positioning easier.

(4) Optimum tabletop working height
The table offers the motorized tabletop elevation and the tabletop height from floor can be changed from 79 cm to 115 cm, which is helpful for the patient to get on/off the tabletop. Furthermore, the operators can obtain appropriate working height depending on their height. (* tabletop height is increased 2.5 cm in case of no pit on the floor.)

(5) +180 / -90 deg. table rotation
The table swivel from +180 deg. to -90 deg. is useful for the patient treatment at the time of emergency cases. +180 deg. opposite position enables dual-plane configurations which combines two different C-arms for two different applications to increase the room operation efficiency.

(6) Two kinds of table-top shapes
Two different tabletop shape is available depending on the patient size and expected applications. Standard tabletop shape can be used for universal use, and wide patient tabletop is useful for trans-radial or trans-brachial approach for less-invasive catheterization.

(7) A variety of accessories/options to support angiographic procedures
A variety of accessories and unique features are provided as standard or provided optionally.

CONFIGURATION

(1) Table base ............................................. 1 set
Holding the tabletop to permit its vertical and rotational movements, this unit is equipped with driving part and control part for the said movements.

(2) Tabletop unit .......................................... 1 set
This unit holds the tabletop to permit its longitudinal slide and transversal slide and is provided with a rail for mounting of various accessories on each side of tabletop. Also, the magnet lock brake mechanism is provided to fix the tabletop.

(3) Standard accessories
- Grip switch ............................................. 1 set (Fig.1)
- Foot switch ............................................. 1 set (Fig.2) (It is provided with foot switches for fluoroscopy and radiography.)
- Tabletop mattress ................................. 1 piece (Fig.3)
- Arm support (Carbon) ............................. 1 set (Fig.4)
- Arm support .......................................... 1 pair (Fig.5)
- Drip stand ............................................. 1 set (Fig.6)
- Cable hook ............................................ 6 pieces (Fig.7)
Fig. 1 Grip switch

In case of combination with single-plane C-arm.
1) Fluoroscopy switch ( )
2) Exposure switch ( )

In case of combination with bi-plane C-arm.
1) Frontal C-arm fluoroscopy switch ( )
2) Exposure switch ( )
3) Lateral C-arm fluoroscopy switch ( )

Fig. 2 Foot switch

Fig. 3 Tabletop mattress

Fig. 4 Arm support (carbon)

Fig. 5 Arm supports

Fig. 6 Drip stand

Fig. 7 Cable hook
OPTIONAL ACCESSORIES

- Peri console .................................................. 1 set (Fig.8)
  (Only for I.I. system)
- Arm grip .................................................. 1 set (Fig.9)
- Sub rail .................................................. 1 set (Fig.10)
- Driving unit for peripheral angiography .......... 1 set
- Injector head mount
  (for catheterization table mounting MARK-V) .... 1 set
- Base plate (to reinforce the floor) ................. 1 set
- Arm support(for Radial/Brachial Puncture) 1 set(Fig.11)
- Full cover mattress .................................... 1 set(Fig.12)

1) Start point return switch
2) Two position registration switch for constant step radiography
3) Multi position registration switch for flexible step radiography
4) Reset switch

Fig.8 Peri Console (Option)

Fig.9 Arm grip (Option)

Fig.10 Sub-rail (Option)

Fig.11 Arm support (carbon)(Option)

Fig.12 Full cover mattress (Option)  Unit: mm
### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tabletop size</td>
<td>Standard tabletop</td>
</tr>
<tr>
<td>Tabletop size</td>
<td>Wide tabletop</td>
</tr>
<tr>
<td><strong>Attenuation equivalent for table</strong></td>
<td>0.7mm Al. Eq. (150mm inside from the tip of the table)</td>
</tr>
<tr>
<td><strong>Distance between tabletop surface and floor</strong></td>
<td>79 to 115cm, continuously variable (81.5 to 117.5cm when the pit is not provided on the floor)</td>
</tr>
<tr>
<td><strong>Longitudinal slide of tabletop</strong></td>
<td>Full stroke 135cm</td>
</tr>
<tr>
<td><strong>Transversal slide of tabletop</strong></td>
<td>Stroke ±15cm</td>
</tr>
<tr>
<td><strong>Vertical movement of tabletop</strong></td>
<td>Stroke 36cm</td>
</tr>
<tr>
<td><strong>Rotation of column</strong></td>
<td>Stroke CW90°/CCW180°</td>
</tr>
<tr>
<td><strong>Driving unit for peripheral angiography (option)</strong></td>
<td>Number of steps 6 steps maximum saved (for peripheral DSA option)</td>
</tr>
<tr>
<td><strong>Number of steps</strong></td>
<td>6 steps maximum saved (for peripheral DSA option)</td>
</tr>
<tr>
<td><strong>Step speed</strong></td>
<td>1.6sec/25cm</td>
</tr>
<tr>
<td><strong>Exposable range</strong></td>
<td>135cm (at maximum)</td>
</tr>
<tr>
<td><strong>Exposure interval</strong></td>
<td>2sec. (when the step interval is 25cm)</td>
</tr>
<tr>
<td><strong>Stopping accuracy</strong></td>
<td>±1mm</td>
</tr>
<tr>
<td><strong>Allowance load mass</strong></td>
<td>227kg (Patient must lay on the tabletop)</td>
</tr>
<tr>
<td><strong>Installation related</strong></td>
<td>227kg (Patient must lay on the tabletop)</td>
</tr>
<tr>
<td><strong>Power requirements</strong></td>
<td>+100kg (for CPR, at CPR position)</td>
</tr>
</tbody>
</table>

### INSTALLATION RELATED

<table>
<thead>
<tr>
<th>Installation related</th>
<th>Outline dimensions</th>
<th>4230mm×1200mm×1250mm (Depth × Width × Height) (KS-70 only)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Mass</strong></td>
<td>Approx. 350kg</td>
<td></td>
</tr>
<tr>
<td><strong>Power requirements</strong></td>
<td>Single phase 100V, 0.5kVA, 50/60Hz</td>
<td></td>
</tr>
<tr>
<td>*<em>(<em>Note)</em></em></td>
<td>Three-phase 200V, 1kVA, 50/60Hz</td>
<td></td>
</tr>
</tbody>
</table>

*Note: The aforementioned specifications are subject to change for further improvement without prior notice to you.*

*Note: The power should be supplied from output of a reinforced insulation transformer.*
Remarks
* Every value in this Product Data Sheet is a standard value, and it may vary a little from the actual at each site.
* The appearances and specifications are subject to change for reasons of improvement without notice.
* Certain configurations may not be available pending regulatory clearance. Contact your Shimadzu representative for information on specific configurations.

DIMENSIONS

Unit: mm

Center of rotation

240
450
700
300
2290
210
420
1350
3530
180°

Cable pit
Width 100
depth minimum 30

760 ~ 1150
615 ~ 1175

( ) shows the height of the table without cable pit.

URL http://www.shimadzu.com