# CHAPTER I.

## GENERAL DESCRIPTION

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# 1. EQUIPMENT OUTLINE

## 1.1 External Appearance and Weight
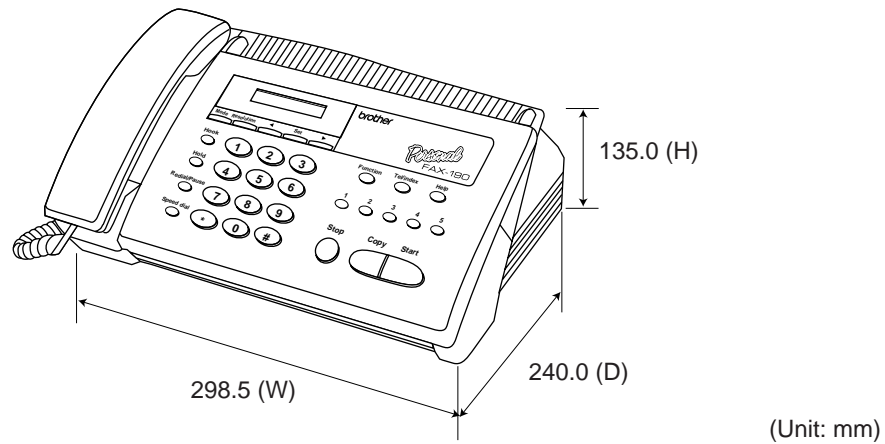
The figure below shows the equipment appearance and approximate dimensions.



135.0 (H)

240.0 (D)

298.5 (W)

(Unit: mm)

Weight:  Machine proper   Approx. 2.8 kg (excluding a paper roll)

In package   Approx. 4.6 kg

## 1.2 Components

The equipment consists of the following major components:



Handset

Control panel ASSY
(with recording paper cover)

Inner cover

Main frame

Power supply PCB

Recorder & cutter unit

NCU PCB

Scanner frame ASSY

Main PCB

Drive unit

Bottom plate
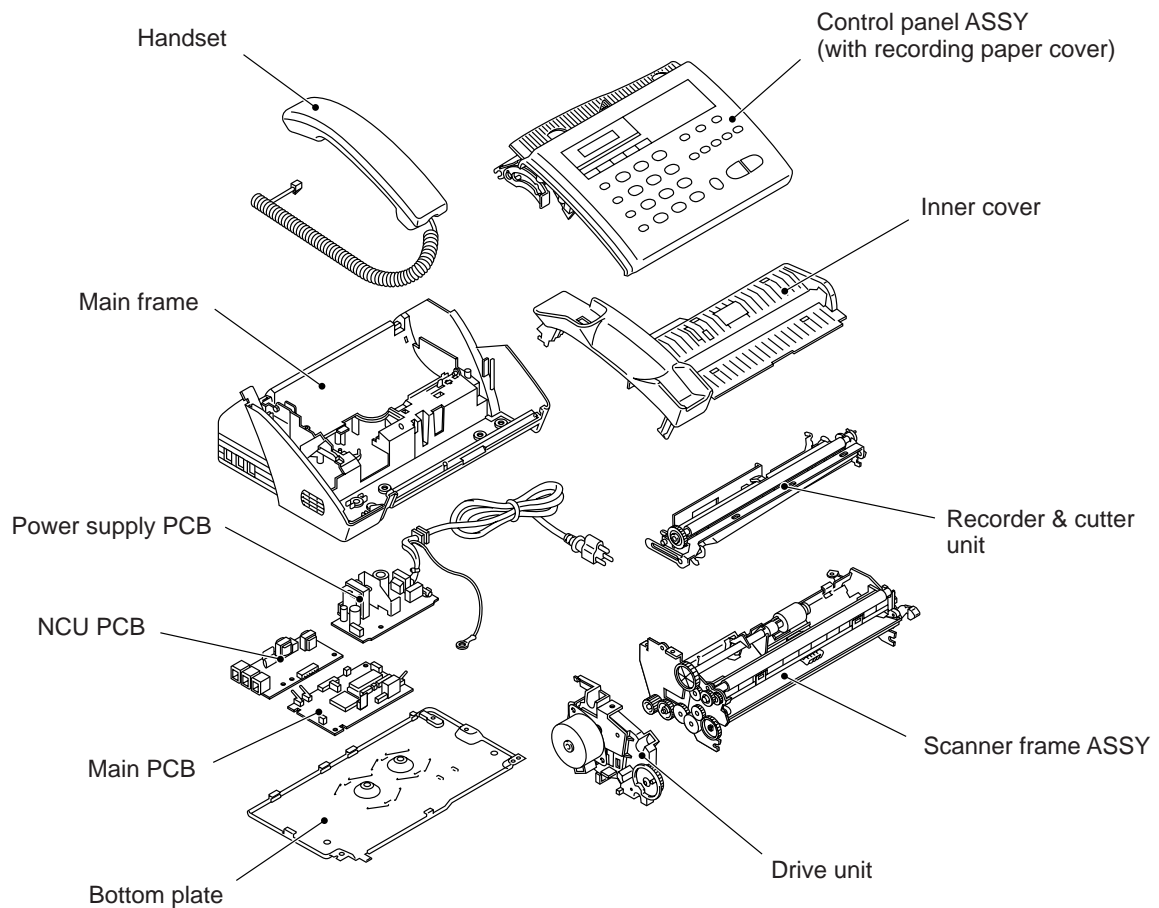
# 2. SPECIFICATIONS

| Model | FAX-170 | FAX-190 |
|---|---|---|
| Color | Bluish-black (1395) | Bluish-white (1397) |
| Modem Speed | 9600 bps | 9600 bps |
| Coding Method | MH | MH |
| Transmission Speed | 15 sec. | 15 sec. |
| CCITT Group | G3 | G3 |
| Input/Output Width | Max. 8.5" x 8.5" | Max. 8.5" x 8.5" |
| Handset | Yes | Yes |
| Automatic Cutter | Yes | Yes |
| ADF Capacity (pages) | 10 | 10 |
| Anti-curl System | Yes | Yes |
| Roll Paper Size (Standard thermal/Therma PLUS) | 98' | 98' |
| LCD Size | 16 x 1 | 16 x 1 |
| On-screen Programming | Yes | Yes |
| Memory Capacity | No | No |
| Super Fine | Yes | Yes |
| Smoothing | Yes | Yes |
| Gray Scale (levels) | 32 | 32 |
| One-touch Dialing | 5 locations | 5 locations |
| Speed Dialing | 15 locations | 20 locations |
| Telephone Index | Yes | Yes |
| Super Telephone Index | No | No |
| Hook Key (TEL Key) | Yes | Yes |
| Fax/Tel Switch | Yes | Yes |
| TAD Interface | Yes | Yes |
| Enlargement/Reduction | No | No |
| Enhanced Remote Activation | Yes | Yes |
| Distinctive Ringing (FAX Ability) | Yes | Yes |
| Next-fax Reservation | No | Yes |
| Help | Yes, simple | Yes, simple |
| Caller ID (Caller Display) | Yes | Yes |
| Automatic Redialing | Yes | Yes |
| Auto Reduction | No | No |
| Multi-resolution Transmission | Yes | Yes |
| Polling | Yes | Yes |
| Delayed Transmission | Yes, 1 timer | Yes, 1 timer |
| Delayed Polling | Yes | Yes |
| Coverpage | Yes | Yes |
| Call Reservation | Yes | Yes |
| Call-back Message | Yes | Yes |
| Activity Report | Yes | Yes |
| Auto CNG Detection (New) | Yes | Yes |
| Transmission Verification Report | Yes | Yes |
| ECM | No | No |
| Broadcasting | No | No |
| Quick Scanning | No | No |
| Out-of-paper Reception | No | No |
| Multi Copy | No | No |
| Multi Transmission | No | No |
| PCI (Missing link) | No | No |
| Confidential Mailbox | No | No |

| Model | FAX-510 | HOME FAX |
|---|---|---|
| Color | Bluish-black (1395), Bluish-white (1397)* | Bluish-white (1397) |
| Modem Speed | 9600 bps | 9600 bps |
| Coding Method | MH | MH |
| Transmission Speed | 15 sec. | 15 sec. |
| CCITT Group | G3 | G3 |
| Input/Output Width | Max. 8.5" x 8.5" | Max. 8.5" x 8.5" |
| Handset | Yes | Yes |
| Automatic Cutter | Yes | Yes |
| ADF Capacity (pages) | 10 | 10 |
| Anti-curl System | Yes | Yes |
| Roll Paper Size (Standard thermal/Therma PLUS) | 98' | 98' |
| LCD Size | 16 x 1 | 16 x 1 |
| On-screen Programming | Yes | Yes |
| Memory Capacity | No | No |
| Super Fine | Yes | Yes |
| Smoothing | Yes | Yes |
| Gray Scale (levels) | 32 | 32 |
| One-touch Dialing | 5 locations | 5 locations |
| Speed Dialing | (See Super Telephone Index.) | (See Super Telephone Index.) |
| Telephone Index | Yes | Yes |
| Super Telephone Index | Yes, 50 locations | Yes, 50 locations |
| Hook Key (TEL Key) | Yes | Yes |
| Fax/Tel Switch | Yes | Yes |
| TAD Interface | Yes | Yes |
| Enlargement/Reduction | No | No |
| Enhanced Remote Activation | Yes | Yes |
| Distinctive Ringing (FaxAbility) | Yes** | Yes |
| Next-fax Reservation | Yes | Yes |
| Help | Yes, simple | Yes, simple |
| Caller ID (Caller Display) | Yes*** | Yes |
| Automatic Redialing | Yes | Yes |
| Auto Reduction | No | No |
| Multi-resolution Transmission | Yes | Yes |
| Polling | Yes | Yes |
| Delayed Transmission | Yes, 1 timer | Yes, 1 timer |
| Delayed Polling | Yes | Yes |
| Coverpage | Yes | Yes |
| Call Reservation | Yes | Yes |
| Call-back Message | Yes | Yes |
| Activity Report | Yes | Yes |
| Auto CNG Detection (New) | Yes | Yes |
| Transmission Verification Report | Yes | Yes |
| ECM | No | No |
| Broadcasting | No | No |
| Quick Scanning | No | No |
| Out-of-paper Reception | No | No |
| Multi Copy | No | No |
| Multi Transmission | No | No |
| PCI (Missing link) | No | No |
| Confidential Mailbox | No | No |

   * Bluish-white (1397) for the Australia versions
  ** Only for the Australia versions
 *** Only for the U.K., Dutch, and Swedish versions

| Model | FAX-270MC/290MC | MFC370MC | MFC390MC |
|---|---|---|---|
| Color | Black (1395) | White (1138) | White (1138) |
| Modem Speed | 14400 bps | | |
| Coding Method | MH | | |
| Transmission Speed | 9 sec. | | |
| CCITT Group | G3 | | |
| Input/Output Width | Max. 216/216 mm | | |
| Hold Key | Yes | | |
| Automatic Cutter | Yes | | |
| ADF Capacity | 10 pages | | |
| Anti-curl System | Yes | | |
| Roll Paper Size (Standard thermal/Therma PLUS) | 98' (1" Core) | | |
| LCD Size | 16 x 1 | | |
| On-screen Programming | Yes | | |
| Memory Capacity | 512 KB | | |
| Super Fine | Yes | | |
| Smoothing | Yes | | |
| Gray Scale (levels) | 64 by Dithered Method | | |
| One-touch Dialing | 5 locations | | |
| Speed Dialing | 50 | | |
| Telephone Index | Yes | | |
| Super Telephone Index | No | | |
| Speaker Phone | Yes | | |
| Fax/Tel Switch | Yes | | |
| TAD Interface | Yes | | |
| Enlargement/Reduction | No | Same as left | Same as left |
| Enhanced Remote Activation | Yes | | |
| Distinctive Ringing (FAX Ability) | Yes | | |
| Next-fax Reservation | Yes | | |
| Help | Yes, Simple | | |
| Caller ID (Caller Display) | Yes | | |
| Automatic Redialing | Yes | | |
| Auto Reduction | No | | |
| Multi-resolution Transmission | Yes | | |
| Polling | Yes (No secure polling) | | |
| Delayed Transmission | Yes, 3 timers | | |
| Delayed Polling | Yes | | |
| Coverpage | Yes | | |
| Call Reservation | Yes | | |
| Call-back Message | Yes | | |
| Activity Report | Yes | | |
| Auto CNG Detection (New) | Yes | | |
| Transmission Verification Report | Yes | | |
| ECM | Yes | | |
| Broadcasting | Yes | | |
| Quick Scanning | Yes | | |
| Out-of-paper Reception | Yes, 20 pages | | |
| Multi Copy | Yes | | |
| Multi Transmission | No | | |
| PCI (Missing link) | Yes | Yes, Included | Yes, Included w/OCR |
| Confidential Mailbox | No | | |
| Fax Forwarding | Yes | | |
| Fax-on-demand | No | | |
| Fax Retrieval | Yes | | |
| ICM Recording Time | 15 minutes | | |
| Memo/2-way Recording | Yes | | |
| Page Memory | Yes, 20 pages | | |
| Paging | Yes | Same as left | Same as left |
| Personal Fax Mail box (5) | Yes | | |
| Personal Voice Mail Box (5) | Yes | | |
| Remote Control | Yes | | |
| TAD Type | DSP type | | |
| Toll Saver | Yes | | |
| Voice-on-demand | Yes | | |

| Model | FAX-520DT/520MC |
|---|---|
| Color | Black (1395)/White (1397)* |
| Modem Speed | 14400 bps |
| Coding Method | MH |
| Transmission Speed | 9 sec. |
| CCITT Group | G3 |
| Input/Output Width | Max. 216/216 |
| Hold Key | Yes |
| Automatic Cutter | Yes |
| ADF Capacity | 10 pages |
| Anti-curl System | Yes |
| Roll Paper Size (Standard thermal/Therma PLUS) | 30 m (1" Core) |
| LCD Size | 16 x 1 |
| On-screen Programming | Yes |
| Memory Capacity | 512 KB |
| Super Fine | Yes |
| Smoothing | Yes |
| Gray Scale (levels) | 64 by Dithered Method |
| One-touch Dialing | 5 |
| Speed Dialing | 50 locations |
| Telephone Index | Yes |
| Super Telephone Index | Yes, 50 locations |
| Speaker Phone | Yes (only for FAX-520MC) |
| Fax/Tel Switch | Yes |
| TAD Interface | Yes |
| Enlargement/Reduction | No |
| Enhanced Remote Activation | Yes |
| Distinctive Ringing (FaxAbility) | Yes (only for FAX-520MC) |
| Next-fax Reservation | Yes |
| Help | Yes, Simple |
| Caller ID (Caller Display) | Yes for UK/NLD/SWE/NZ |
| Automatic Redialing | Yes |
| Auto Reduction | No |
| Multi-resolution Transmission | Yes |
| Polling | Yes (w/ secure polling) |
| Delayed Transmission | Yes, 3 timers |
| Delayed Polling | Yes |
| Coverpage | Yes |
| Call Reservation | Yes |
| Call-back Message | Yes |
| Activity Report | Yes |
| Auto CNG Detection (New) | Yes |
| Transmission Verification Report | Yes |
| ECM | Yes |
| Broadcasting | Yes |
| Quick Scanning | Yes |
| Out-of-paper Reception | Yes, 20 pages |
| Multi Copy | Yes |
| Multi Transmission | No |
| PCI (Missing link) | Yes |
| Confidential Mailbox | No |
| Power Failure Dialing | Yes for UK/BEL |
| Fax Forwarding | Yes |
| Fax-on-demand | No |
| Fax Retrieval | Yes |
| ICM Recording Time | 15 minutes |
| Memo/2-way Recording | Yes |
| Page Memory | Yes, 20 pages |
| Paging | Yes |
| Personal Fax Mail box (5) | Yes |
| Personal Voice Mail Box (5) | Yes |
| Remote Control | Yes |
| TAD Type | DSP type |
| Toll Saver | Yes |
| Voice-on-demand | Yes |

\* FAX-520DT:　Black (1395)
　FAX-520MC:　White (1397)