

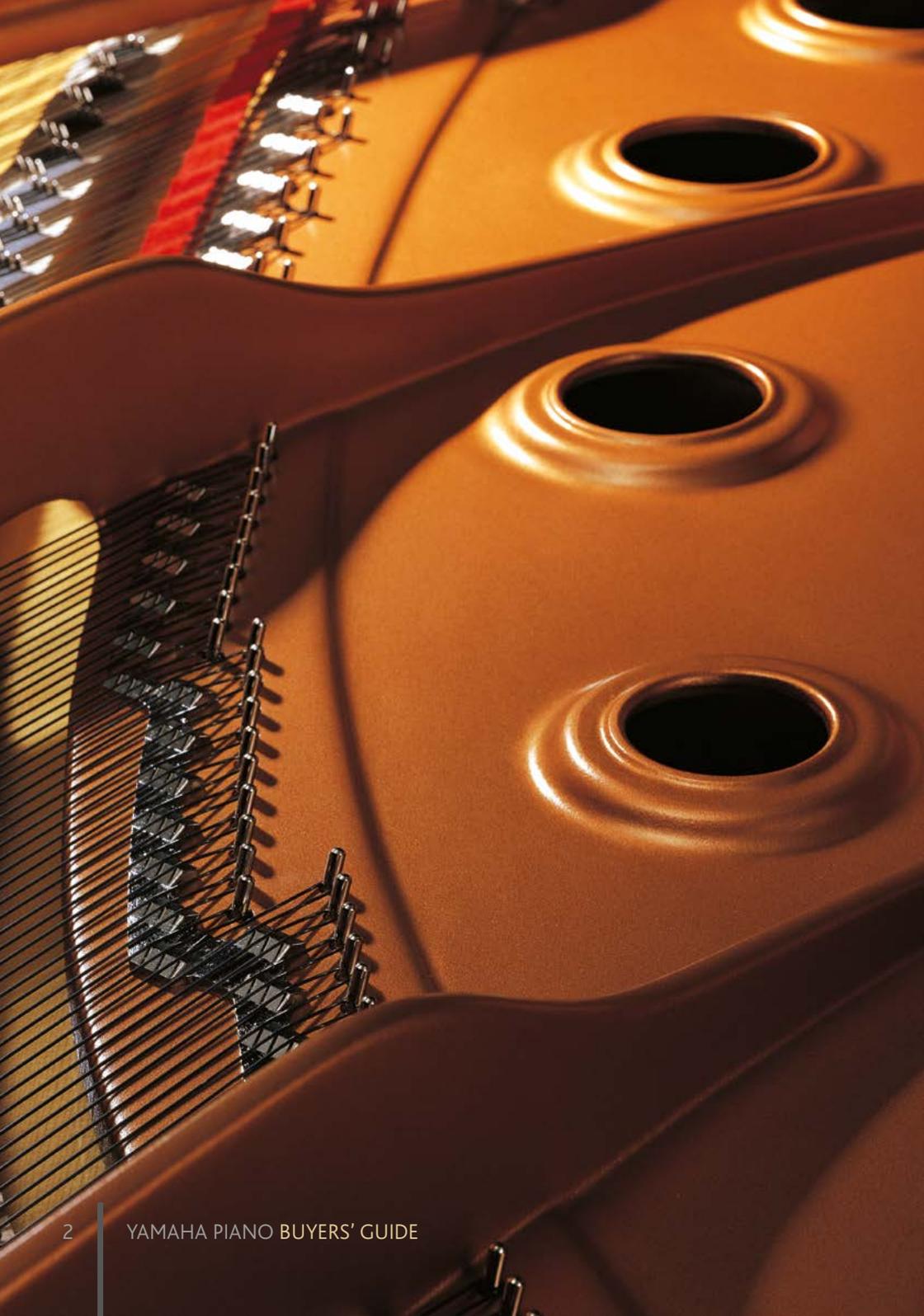


 **YAMAHA**



 **YAMAHA**

**PIANO**  
BUYERS' GUIDE



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# WELCOME

Whether you are looking for a first piano for you or your child, or you want to replace your existing instrument, we hope this guide will help.

As a company with over 125 years' piano making experience and one that has led the world in the development of advancements in piano technology, Yamaha is delighted to provide you with information to assist you in choosing the right piano for you.

## This guide is intended to:

- Refer you to a choice of pianos which suits your needs.
- Answer the questions:
  - Upright piano or grand piano?
  - New or used piano?
- Give you maintenance tips
- Provide technical information



*All information in this guide can be found by visiting our website: [uk.yamaha.com](http://uk.yamaha.com)*



## UPRIGHT OR GRAND?

### UPRIGHT

The modern upright piano was developed towards the end of the 18th Century and contributed considerably to the popularisation of piano practice and performance. It is compact due to its vertical structure and has an action in which the hammers move horizontally.

The upright piano is popular in homes, schools and smaller venues. Some larger models compete well with small grands in terms of tone and volume.



### GRAND

The grand piano pre-dates its upright counterpart by nearly a century. Its layout and action helps a grand piano respond to the nuances of the pianist's technique in a way an upright piano can't.

A double escapement action allows the grand piano to quickly repeat a note without fully releasing the keys and the pedals on a grand piano give great control over expression and tone.



## NEW OR USED?

### WHY BUY A NEW PIANO?

A used piano cannot compete with a new piano regardless of the quality of the manufacturer.

A new Yamaha piano has its whole life ahead of it. Like buying a new car, you can be certain that it has not been mistreated or subjected to unusual use. New piano mechanisms have not suffered the wear and tear that may lead to future problems in a used instrument. The strings are clean and bright and having just been quality-checked in our workshops, everything fits together perfectly.

What's more, all new Yamaha pianos benefit from a 5 Year Guarantee\*. This assures peace of mind and lets you focus on the most important aspect of piano ownership - making music!

With average use, and if tuned and maintained regularly, you might expect your new Yamaha piano to provide a lifetime of satisfaction.

### FINDING A GOOD USED PIANO

Sometimes you may find a well-maintained used piano with plenty of life left in it. Genuine opportunities to purchase such instruments are generally offered by good professional retailers who are capable of thoroughly evaluating the instrument and restoring it as necessary.

To avoid any unpleasant surprises, it is wise to ensure the competence of the store with whom you plan to deal. If you choose a **YAMAHA PIANO AUTHORISED DEALER** you will benefit from the experience and know-how of a real piano professional.

Buying from an authorised dealer means you can take advantage of all their vital services, both pre-purchase and after-sale, including the preparation of your piano and the opportunity to fully audition the instrument and compare it to others.

\*2 Year Guarantee on Disklavier and Silent electronic components.

## THE SILENT OPTION

There may be times when the deep, resonant sound of a Yamaha piano will not be appreciated, especially if it is disturbing a neighbour or family member.

It's for those times that we developed our SH and SG2 Silent Systems.

Yamaha Silent Pianos are real, acoustic pianos and offer all the sensitivity and touch of a normal Yamaha piano action but with the option to hear a Yamaha concert grand delivered through headphones while others can watch TV or listen to their own music in the same room.

When the Silent System is activated, optical sensors detect every subtle movement of piano keys and pedals, faithfully translating them into digital information which then instantly plays a meticulously sampled Yamaha grand.

You choose the volume in the headphones and you can even select other instruments such as harpsicord, marimba or organ. This facility increases the opportunity to practice, resulting in faster progress when learning, as well as enhancing the enjoyment of your Yamaha piano.

The Yamaha Silent option is available on new upright pianos and grands and opens up another world of sound possibilities.

SILENT *Piano*<sup>TM</sup>



SH control unit



## CARING FOR YOUR PIANO

### WHERE TO PLACE YOUR PIANO

Firstly, you must avoid direct sunlight, moisture and extreme temperatures. We suggest that a range of humidity from 50 to 60% and a temperature range from 18 to 23°C is optimal for your piano. Excessive moisture not only affects the sound but will produce unwanted damage on the mechanism. It is important to ensure good ventilation when conditions allow. However, when there is excessive moisture in the air, when it rains for example, it is better to close the windows of the room where the piano is located. The outside of the piano may discolour in direct sunlight or with excessive heat (if placed near a radiator or warm air vent, for example). Such damage to the exterior can eventually cause cracks to appear in the soundboard or lead to the damage of other parts. Careful choice of the piano's location with respect to heat sources etc. pays dividends over time.

### DAILY MAINTENANCE

Wipe with a soft, clean cloth any dust deposited on the surface.

Cover the keyboard with a soft cloth to avoid that dust when not in use.

Clean the keys with a lightly moistened, soft cloth. Excess water **MUST** be avoided.

Do not use alcohol or solvents as they can damage the keyboard.

The chemical composition of commercial detergents can damage a piano's finish.

Be particularly alert to any objects placed on your piano. This is the place for musical scores, not vases, aquariums or drinks!

# CARING FOR YOUR PIANO

## WHY YOU SHOULD TUNE YOUR PIANO REGULARLY

Each of the 230 strings on a piano is subjected to a tension of about 90 kg, giving a total force of more than 20 tons. This force is constantly changing with time and temperature and leads to a requirement for regular retuning to maintain the instrument's pitch.

Tuning is achieved by defining the frequency of vibration of each string so that they vibrate to give the closest possible harmony with one another. To do this, tension is adjusted by turning each string individually using dedicated tool called tuning lever.

The structure of the piano is essentially of wood that changes with variations in temperature and humidity. These changes occur whether one plays the piano or not.

The strings, which are subject to this extreme tension, have a tendency to gradually relax when struck by the hammer. The detuning is directly proportional to the force with which keys are played. A regular piano tuning helps remedy the pitch changes that occur gradually over time. In addition, the tuning process gives the experienced tuner a valuable insight into the overall condition of the piano.

To maintain a piano properly, it should be tuned once or twice a year depending on the frequency and intensity of use.

## WHY TUNING IS REQUIRED IMMEDIATELY AFTER PURCHASE?

Before being delivered, Yamaha pianos are tuned several times to guarantee arrival with the customer in the best possible condition.

When the piano strings are first tightened, they take some time to stabilise.

A new piano should be left to settle after delivery so that it can become acclimatised to its new home. It should be tuned within the first month and then again within the first year. As the strings of the piano stabilise thereafter, it will hold its tuning with just one or two visits from the tuner per year, depending on use.

## ARE OTHER TYPES OF MAINTENANCE REQUIRED?

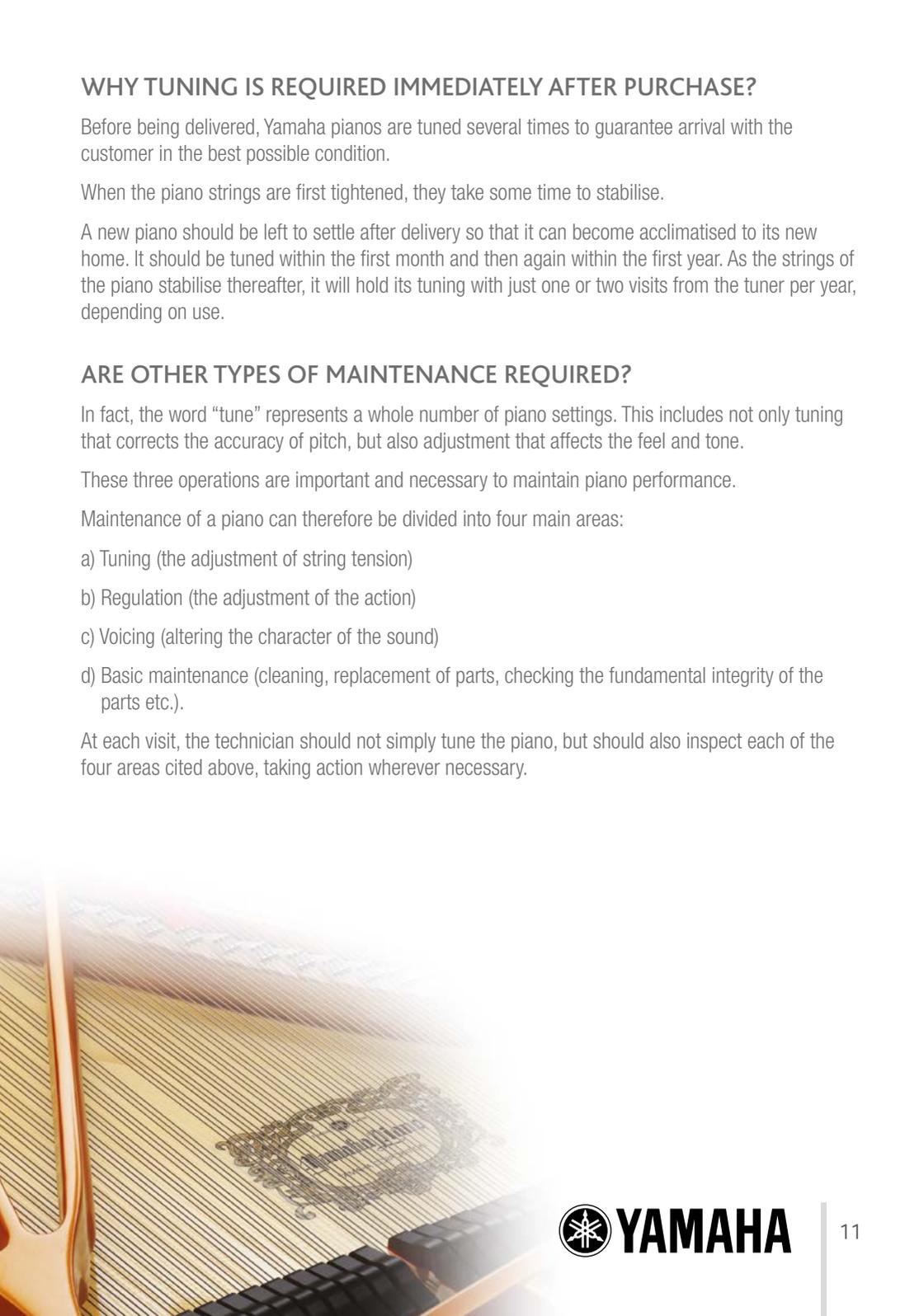
In fact, the word "tune" represents a whole number of piano settings. This includes not only tuning that corrects the accuracy of pitch, but also adjustment that affects the feel and tone.

These three operations are important and necessary to maintain piano performance.

Maintenance of a piano can therefore be divided into four main areas:

- a) Tuning (the adjustment of string tension)
- b) Regulation (the adjustment of the action)
- c) Voicing (altering the character of the sound)
- d) Basic maintenance (cleaning, replacement of parts, checking the fundamental integrity of the parts etc.).

At each visit, the technician should not simply tune the piano, but should also inspect each of the four areas cited above, taking action wherever necessary.





## CARING FOR YOUR PIANO

### WHAT IS REGULATION?

The piano action is a set of interrelated “levers”.

Constant playing over an extended period of time can wear the felt and leather parts in the piano action. Similarly, expansion and contraction of wooden and metal parts because of humidity and/or temperature change may also cause the levers to move out of alignment. As result, the piano’s action can produce a slower response than normal.

Regulation is the adjustment of these levers to ensure the action continues to work responsively, smoothly and in a uniform matter. This gives evenness of touch and performance.

### WHAT IS VOICING?

Frequent playing may compact and compress the hammer felt. Subsequently this leads to hardened and grooved hammerheads resulting in a loss of resilience, thereby producing poor tonal quality.

Voicing is the treatment of the hammerheads to improve or adjust the piano tone. It is an intricate and highly specialised procedure of controlling the way the string vibrates by adjusting the density of the felt in each hammer, and to some degree, the shape of each hammer. This type of service requires care and expertise from the qualified piano technician as one wrong application can damage the tonal quality of your piano.

## TECHNICAL INFORMATION

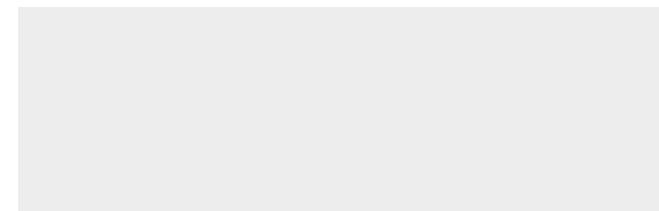
### WHAT IS HUMIDITY?

The idea of moisture in wood is often misunderstood. It is true that it is a much less noticeable sensation than temperature. However, everyone can notice the condensation that is deposited on a cold bottle straight out of the refrigerator. This is water vapour present in the air and becoming liquid again on the cold surface. This capacity of air to absorb water is the property that dries our clothes! The quantity of water air can absorb depends on the temperature: warm air absorbs a greater amount of water than cold air.

Like air, wood contains water. In its green state, wood contains a large amount of water, often over half its weight. During the drying of the wood, the water it contains evaporates. Once the wood and air have reached the same level of moisture, there is a balance that stabilises the wood. If the ambient air becomes more humid, the wood gets wetter. If the air becomes dry, the wood becomes drier. This shows that the wood absorbs or returns the water into the ambient air according to the air humidity level.

Air seeks moisture wherever it is. This is the classic problem of heating a home in winter. It is not uncommon to have a moisture level of 23% in a modern house. This low value is comparable to that found in deserts. Very dry air seeks to absorb water to regain balance. It acts as a powerful blotting agent and absorbs water found in wood with the potential to cause great instability in your piano.

The age of a Yamaha piano can be found thanks to the serial number inscribed on the frame. It is easily accessible by lifting the top lid. It is always the right of the piano, in the treble register. You can use the vintage production Pianos Yamaha schedule guide.



To find out more about the care we take in producing the entire Yamaha piano range, why not download one of our Yamaha - The Key Advantage iBooks.



# ENVIRONMENTAL AWARENESS

## CONSERVATION AND EFFECTIVE USE OF WOOD RESOURCES

As one of earth's depleting natural resources the scarcity of quality wood remains an ongoing concern. Forests that give birth to this vital resource also serve as CO<sub>2</sub> sinks while simultaneously supporting biodiversity. We know forests to be significant in environmental protection and their rapid depletion is alarming.

Many instruments that we produce - including pianos as well as strings, percussion, and woodwind instruments - are made primarily of wood for acoustic reasons.

Yamaha Timber Procurement and Usage Guidelines, established in 2007 help the Group accomplish procurement that is friendly to the environment and biodiversity within its ecosystems, as well as meeting its aims to maximise the use of timber without waste.

The Yamaha Group is committed to a policy of contributing to society through forest protection, making continued progress in protecting forests in both Indonesia's "Yamaha Forest" and in Japan. In Indonesia alone afforestation activities will see 150,000 to 200,000 trees planted in 120 hectares over a five year period.

The Yamaha Group's Environmental Policy was designed to satisfy ISO 14001 requirements with the ultimate aim of creating a better global environment under the slogan "Sustaining the Concerto of Yamaha with the Earth."



# VINTAGE YAMAHA PIANOS



The age and origin of a Yamaha piano can be found using the serial number inscribed on the frame. It is accessible by lifting the top lid and is always on the right of the piano, in the treble register.

## England

## Indonesia

(b1, b2, 23, P116, P121, GB1)

## Japan

| Year | Serial Numbers |
|------|----------------|------|----------------|------|----------------|------|----------------|
| 1994 | E 257 600      | 1994 | 1 119 000      | 1947 | 40 000         | 1984 | 3 890 000      |
| 1995 | E 262 700      | 1995 | 1 222 200      | 1952 | 50 000         | 1985 | 4 040 000      |
| 1996 | E 267 700      | 1996 | 1 326 300      | 1954 | 60 000         | 1986 | 4 210 000      |
| 1997 | E 273 400      | 1997 | 1 431 300      | 1956 | 70 000         | 1987 | 4 360 000      |
| 1998 | E 279 300      | 1998 | 1 537 200      | 1957 | 80 000         | 1988 | 4 560 000      |
| 1999 | E 286 300      | 1999 | 1 643 700      | 1958 | 90 000         | 1989 | 4 680 000      |
| 2000 | E 292 200      | 2000 | 1 750 000      | 1959 | 100 000        | 1990 | 4 820 000      |
| 2001 | E 298 200      | 2001 | 1 857 500      | 1960 | 120 000        | 1991 | 4 960 000      |
| 2002 | E 303 800      | 2002 | 1 963 500      | 1961 | 150 000        | 1992 | 5 080 000      |
| 2003 | E 309 000      | 2003 | 2 008 300      | 1962 | 180 000        | 1993 | 5 190 000      |
| 2004 | E 314 600      | 2004 | 2 082 400      | 1963 | 230 000        | 1994 | 5 300 000      |
| 2005 | E 319 800      | 2005 | 2 204 800      | 1964 | 300 000        | 1995 | 5 390 000      |
| 2006 | E 325 000      | 2006 | 22 108 600     | 1965 | 370 000        | 1996 | 5 460 000      |
| 2007 | E 335 400      | 2007 | 24 140 700     | 1966 | 460 000        | 1997 | 5 520 000      |
| 2008 | E 337 000      | 2008 | 25 161 300     | 1967 | 570 000        | 1998 | 5 590 000      |
| 2009 | E 341 000      | 2009 | 26 180 000     | 1968 | 700 000        | 1999 | 5 810 000      |
|      |                | 2010 | 27 180 000     | 1969 | 820 000        | 2000 | 5 860 000      |
|      |                | 2011 | 28 200 000     | 1970 | 980 000        | 2001 | 5 920 000      |
|      |                | 2012 | 29 200 000     | 1971 | 1 150 000      | 2002 | 5 970 000      |
|      |                |      |                | 1972 | 1 340 000      | 2003 | 6 020 000      |
|      |                |      |                | 1973 | 1 540 000      | 2004 | 6 060 000      |
|      |                |      |                | 1974 | 1 740 000      | 2005 | 6 100 000      |
|      |                |      |                | 1975 | 1 950 000      | 2006 | 6 170 000      |
|      |                |      |                | 1976 | 2 150 000      | 2007 | 6 223 000      |
|      |                |      |                | 1977 | 2 360 000      | 2008 | 6 255 000      |
|      |                |      |                | 1978 | 2 570 000      | 2009 | 6 285 000      |
|      |                |      |                | 1979 | 2 800 000      | 2010 | 6 300 000      |
|      |                |      |                | 1980 | 3 030 000      | 2011 | 6 315 000      |
|      |                |      |                | 1981 | 3 260 000      | 2012 | 6 335 000      |
|      |                |      |                | 1982 | 3 480 000      |      |                |
|      |                |      |                | 1983 | 3 680 000      |      |                |

