

73.22 - Radiators for central heating, not electrically heated, and parts thereof, of iron or steel; air heaters and hot air distributors (including distributors which can also distribute fresh or conditioned air), not electrically heated, incorporating a motor-driven fan or blower, and parts thereof, of iron or steel.

- Radiators and parts thereof :

7322.11 - - Of cast iron

7322.19 - - Other

7322.90 - Other

This heading includes :

- (1) **Radiators** for central heating, i.e., space heating appliances consisting usually of an assembly of "sections" of flanged or gilled tubes or of hollow panels through which the water or steam from the boiler is circulated. Such radiators may be enclosed in casings of wood or metal.

This group also includes apparatus consisting of a combination of a radiator through which hot or cold water is circulated and of ejector nozzles through which conditioned air under pressure is passed. The two components are mounted in a common housing fitted with a grille. When the radiator unit is turned off, this apparatus serves as a distributor of conditioned air.

The heading **does not cover** air conditioning units (**heading 84.15**) or electric radiators (**heading 85.16**).

- (2) **Identifiable "sections" and other parts of radiators.**

The following are **not** regarded as parts :

- (a) Pipes and fittings to connect up central heating boilers and radiators (**headings 73.03 to 73.07**).
- (b) Radiator stands (**heading 73.25 or 73.26**).
- (c) Steam or hot water taps, cocks, etc. (**heading 84.81**).

- (3) **Air heaters**, using any type of fuel (e.g., coal, fuel oil, gas).

These self-contained heaters, fixed or mobile, consist mainly of a combustion chamber (with burner) or a grate, a heat exchanger (tube assembly, etc.) which transfers the heat given off by the combustion gases passing through it to the air travelling along its outer surface, and a motor-driven fan or blower. Generally these heaters are furnished with an exhaust flue for burnt gases.

Air heaters (fixed or mobile), which generate hot air for direct diffusion, differ from radiators incorporating their own heating elements (as described in the Explanatory Note to heading 73.21) by the fact that they incorporate a blowing device (fan or blower) which serves to distribute or direct the supply of hot air to the various areas which are to be heated.

73.22

Air heaters may be equipped with various ancillary devices such as burners (with their pump), electric fans to supply air to the burners, regulating or control instruments (thermostats, pyrostats, etc.), air filters, etc.

- (4) **Hot air distributors** which consist of an air heating element usually comprising an assembly of flanged or gilled tubes and an electric fan, mounted in a common housing provided with air outlets (grille or adjustable shutters).

These distributors are designed for connection to a central heating boiler and may be designed to stand on the ground, to be fixed to a wall or to be hung from the ceiling, from beams, pillars, etc.

Some of these appliances may also be provided with an outside-air intake enabling them to be used as fresh air distributors when their heating element is turned off.

The heading **does not**, however, **include** distributors of conditioned air which mix, under the control of a room thermostat, hot and cold air supplied under high pressure and which consist essentially of a mixing chamber and two inlet nozzles fitted with control valves operated by pneumatic actuators, the whole being mounted in a common housing and incorporating neither a radiator nor a motor-driven fan or blower (**heading 84.79**).

*
* *

Air heaters and hot air distributors are included in this heading wherever they are intended to be used. The heading therefore covers air heaters for space heating and for drying various materials (fodder, grain, etc.), and apparatus for heating vehicles of Section XVII. However, hot air distributors which use the heat produced by the engine of the vehicle and must necessarily be connected to the engine, fall to be classified in **Section XVII** by application of Note 1 (g) to Section XV and Note 3 to Section XVII.

- (5) **Identifiable parts** of air heaters or hot air distributors (heat exchangers, nozzles, direct diffusion conduits, dampers, grilles, etc.).

The following are, however, **not** regarded as **parts** :

- (a) Pipes and fittings to connect up boilers with certain hot air distributors (**headings 73.03 to 73.07**).
(b) Fans (**heading 84.14**), air filters (**heading 84.21**), checking and automatically controlling appliances (**Chapter 90**), etc.