

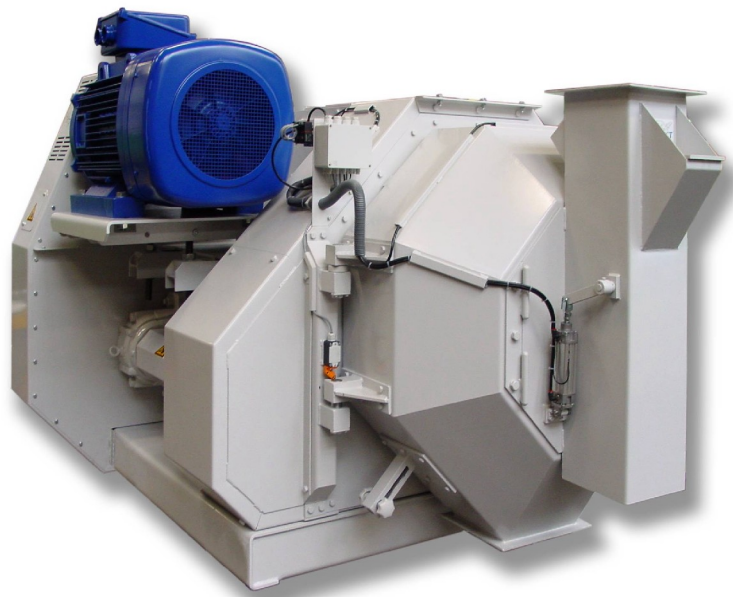
## Compact Wood Pellet Mill

*Van Aarsen designs, produces and supplies Compact Pellet Mills for the toughest of applications based on 60 years experience. Hundreds of Compact Pellet Mills are world wide in use in the animal feed industry, in wood pelleting, DDGS pelleting, sugar beet pulp pelleting, soy bean meal pelleting and for pelleting of various residues (pulp) of the food industry. Pellets can be produced in several diameters and densities, depending on the specific application.*

The Van Aarsen Compact Wood Pellet Mill is specially developed to operate under the extreme conditions, which occur during the process of wood pelletizing.

### Features of the Compact Pellet Mill

- Low energy consumption per ton output
- High lifetime of die and rollers
- Easy to operate
- High capacity with good pellet quality
- Excellent durability
- Low maintenance costs
- Large effective die surface
- Possibility to select the optimal die velocity



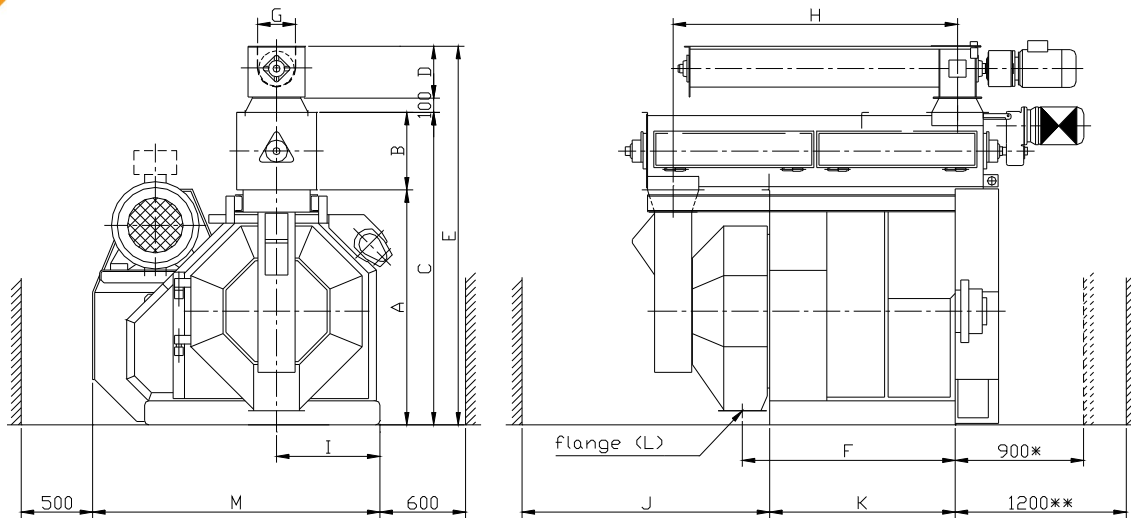
- Quick fit® die change system
- Two-stage power transmission system consisting of a V-belt drive, intermediate shaft and tooth-belt drive guarantees optimal energy efficiency and possibility to use optimal die speed
- Build according latest regulations and standards for safety and hygiene.

### Design

- Reinforced and heavy duty design
- Heavy duty bearings on the main shaft
- Robust forged steel main shaft
- Pellet mill door in stainless steel
- Wear resistant input blades for good product spreading
- Special roller design with grease chamber
- Special designed wear resistant dies
- Conical die seating with die holder wearing ring
- Magnet in the inlet funnel to protect the pellet mill
- Integrated by-pass valve in the inlet funnel
- Shear pin on the main shaft
- Cutter for uniform pellet length
- Ergonomic design
  - Large doors with safety provisions enable easy access to all vital parts of the pellet mill
  - Hoist and toolset comes with the pellet mill for replacement of die and rollers
  - Automatic lubrication of the roller and main shaft bearings
- Unique hydraulic operated Quick-fit® system enables fast and proper die changes.
- Enhanced user friendliness
  - Pellet mill control system with 10,4" touch screen
  - Integrated hoist for dies and rollers
  - Self-cleaning temperature probe in the meal inlet
- According to CE safety regulations

## Design options

- Steam conditioner
- Slow turning device on the die holder
- Motor operated hoist for dies and rollers
- Sound insulation of the pellet mill
- Automatic load control of the pellet mill
- Steam quantity control
- Pelleting line automation and operator control system with 10,4" touch screen
- Self cleaning temperature sensor



Type	Dimensions for sketch mm						
	A	B	C	D	E	F	G
C900	1854	546	2400	465	2965	1489	364
	H	I	J	K	L	M	
C900	1994	800	1750	1450	380X300	2395	

			C900
Type of input materials			wood meal
Max. moisture level			15 %
Max. dimensions			< 2,0 mm
Die	Inside diameter	mm	900
	Pelleting width	mm	175
	Pelleting area	cm <sup>2</sup>	4.948
	Velocity at 50 Hz	m/s	4.7/5.3/6.7/7.0/8.4/9.4/10.0
	Velocity at 60 Hz	m/s	4.8/5.4/6.4/7.1/8.0/8.5/10.1
Rollers	Quantity		2
	Diameter	mm	435
<b>Main motor</b>			
	1500 rpm. - 50 Hz	kW	200/250/315/355/400
	1800 rpm. - 50 Hz	kW	230/285/360/405
Weight (static/dynamic)		kg	10.500 / 16.000
Conditioner motor		kW	9.2/15
Dosing screw motor		kW	3