

3.1 Technical specifications SmartSet™

	SmartSet™ 115	SmartSet™ 77	SmartSet™ 57
Capacity			
Number of eggs (chicken)	115,200	76,800	57,600
Dimensions			
Height (+ height motor)(mm)	2,459 (+ 300)	2,459 (+ 300)	2,459 (+ 300)
Height (+ height Louvered grate)(mm)	2,459 (+ 517)	2,459 (+ 517)	2,459 (+ 517)
Width (mm)(add-on)	4,834 (-50)	4,834 (-50)	2,940 (-50)
Depth (+ central operating console)(mm)	7,271 (+ 70)	4,933 (+70)	7,271 (+70)
Recommended space in front of machine (mm)	2,000	2,000	2,000
Recommended space behind machine (mm)	0	0	0
Floor surface (m ²)	35.155	23.846	21.377
Volume of machine (m ³)	86.447	58.637	52.566
Recommended minimum height of room (mm)	3,500	3,500	3,500
Maximum deviation in floor (mm/machine surface)	5	4	5
Setter trolleys and trays			
Number of setter trolleys	24	16	12
Number of setter trays	768	512	384
Dimensions of the trolley (L x W x H)(mm)	1,125x780x2,109	1,125x780x2,109	1,125x780x 2,109
Dimension of setter trays (L x W)(mm)	507 x 733	507 x 733	507 x 733
Warm water heating			
Water supply pipe (with piping set)	¼ " or 3/8" (3/4" or 22mm)	¼ " or 3/8" (3/4" or 22mm)	¼ " or 3/8" (3/4" or 22mm)
Water discharge pipe (with piping set)	3/8" or 15mm (3/4" or 22mm)	3/8" or 15mm (3/4" or 22mm)	3/8" or 15mm (3/4" or 22mm)
Inlet temperature heating water (°C)	60°-70° C	60°-70° C	60°-70° C
Heating capacity (radiator heating)(kW)	24 (19.2)	16 (12.8)	12 (9.6)
Maximum water flow (Litre/hour)	840	560	420
Cooling			
Water supply pipe (with piping set)	3/8" or 12mm (3/4" or 22mm)	3/8" or 12mm (3/4" or 22mm)	3/8" or 12mm (3/4" or 22mm)
Water discharge pipe (with piping set)	3/8" (3/4" or 22mm)	3/8" (3/4" or 22mm)	3/8" (3/4" or 22mm)
Inlet temperature cooling water (°C)	12°-15° C	12°-15° C	12°-15° C
Cooling capacity (with radiator heating)(kW)	38 (36.3)	27 (25.8)	19.5 (18.6)
Maximum water flow (Litre/hour)	3150	2100	1620
Inlet pressure cooling water (bar)*	3.0 – 3.5	3.0 – 3.5	3.0 – 3.5
Pressure in outlet system (bar)	0 – 1.5	0 -1.5	0 -1.5
Humidification			
Water supply pipe (with piping set)	3/8" or 12mm (3/4" or 15mm)	3/8" or 12mm (3/4" or 15mm)	3/8" or 12mm (3/4" or 15mm)
Maximum water flow (Litre/hour)	15	10	7.5
Minimum water pressure (bar)	2.0 – 3.5	2.0 – 3.5	2.0 – 3.5
Electrical requirements			
Voltage	3x400 3f+N+PE	3x400 3f+N+PE	3x400 3f+N+PE
Frequency (Hz)	50 (optional 60 Hz)	50 (optional 60 Hz)	50 (optional 60 Hz)
Controller type	SmartDrive™	SmartDrive™	SmartDrive™
Controller absorbed capacity (W)	300	300	300
Main motor (emitted capacity) (kW)	6 x 0.75	4 x 0.75	3 x 0.75
Turning Motor (kW)	1 x 0.38	1 x 0.38	1 x 0.38
Electrical Heating (kW)	12 x 1.25	8 x 1.25	6 x 1.25
Motor humidity rollers (W)	6 x 40	4 x 40	3 x 40
Ventilation			
Diameter outlet (mm)	3 x Ø 125	2 x Ø 125	3 x Ø 125
Capacity air displacement (m ³)	700	500	700

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