

Section 7: SPECIFICATION

7.10 Specification Table

Welch Model	2025 (Analog)	2026 (Analog)	2027 (Digital)	2028 (Digital)
Free Air Displacement				
CFM (L/min) @ 60 Hz	1.2 (34)	1.1 (32)	1.1 (32)	1.2 (35)
m ³ /hr (L/min) @ 60 Hz	1.7 (28)	1.6 (27)	1.6 (27)	1.8 (29)
Vacuum Level, in Hg	29.6	29.85	29.85	29.85
Ultimate Pressure, Torr (mbar)	9 (12)	2 (2.7)	2 (2.7)	2 (2.7)
Motor Horsepower (watts)	1/5 (150)	1/5 (150)	1/5 (150)	1/5 (150)
Bump/Anti-Foam Button	N/A	N/A	N/A	YES
Tubing needed, I.D. in (mm)	1/4" (7)	1/4" (7)	1/4" (7)	1/4" (7)
Intake / Exhaust Thread NPT	3/8	3/8	3/8	3/8
Weight, lbs (Kg)	30 (13.6)	30 (13.6)	30 (13.6)	30 (13.6)
Programmable				
Repeat Function	N/A	N/A	N/A	YES
Store Programs	N/A	N/A	N/A	up to 5
Timer	N/A	N/A	N/A	1-999 min.
Overall Dimensions				
L in. (cm)	13.6 (42.2)	13.6 (42.2)	13.6 (42.2)	13.6 (42.2)
W in. (cm)	12 (30.5)	12 (30.5)	12 (30.5)	12 (30.5)
H in. (cm)	11.3 (28.7)	11.3 (28.7)	11.3 (28.7)	11.3 (28.7)
Shipping Weight, lbs (kg)	36 (16.3)	36 (16.3)	36 (16.3)	36 (16.3)
Catalog Number				
Wired for 115V, 60Hz, 1 Ph with N. American 115V Plug	202501 1.5A	202601 1.5A	202701 1.5A	202801 1.5A
Catalog Number				
Wired for 230V, 50Hz, 1 Ph with Cont. Euro (Schuko) Plug	202503 0.75A	n/a	202703 0.75A	202803 0.75A
Catalog Number				
Wired for 100V, 50/60Hz, 1 Ph with N. American 115V Plug	202505 1.5A	n/a	202705 1.5A	202805 1.5A

Altitude 2000m

Max. relative humidity of 80% for temperatures up to 31C decreasing linearly to 50% at 40C

Supply Voltage +/-10%

Pollution Degree 2

Installation Category II



Models 202503 and 202703 conform to ATEX II 3G T4. [ATEX Group II (Explosive Atmospheres), Category 3G (Gases), Temperature T4 (135 C)]