

General Properties	Minimum	Typical	Maximum	Unit
Vacuum	5 % -0.05 1.5	- - -	60 % -0.607 17.95	[Vacuum] [Bar] [inHg]
Air flow in total	0	-	48	[L/min]
Air flow on each channel	0	-	12	[L/min]
Payload (with default attachments)	- -	10 ⁽¹⁾ 22.04	20 ⁽²⁾ 44.09	[kg] [lb]
Vacuum cups	1	16	16	[pcs.]
Gripping time (measured with vacuum target 40%)	-	0.25 ⁽³⁾	-	[s]
Releasing time	-	0.4 ⁽³⁾	-	[s]
Noise level ⁽⁴⁾	-	67	71	[dB(A)]
Vacuum pump	Integrated, electric BLDC			
Dust filters	Integrated 50µm, field replaceable			
IP Classification	IP54			
Dimensions	264 x 184 x 92 10.39 x 7.24 x 3.62			[mm] [inch]
Weight	2.55 5.62			[kg] [lb]

(1) Cardboard is recommended up to 10 kg.

(2) 20 kg payload can be achieved with low accelerations (0.2G added to 1G; 1G = gravity = 9.82 m/s²). Other conditions may apply.

(3) The gripping time can be shortened with smaller or less suction cups. The release time depends on the payload. With high payload, you can achieve fast release time.

(4) For more information, see [Noise Level](#) section.

Operating Conditions	Minimum	Typical	Maximum	Unit
Power supply	20.4	24	28.8	[V]
Current consumption	50	2500	4500	[mA]
Operating temperature	0 32	- -	50 122	[°C] [°F]
Relative humidity (non-condensing)	0	-	95	[%]
Calculated operation life	25 000	-	-	[hours]