

498.3.205-4

Vacuum cleaner motor performance

DOMEL®

Vacuum cleaner motors 498.3.205-4 / 950W / 120V / 60Hz are used for dry aspiration. Technical data and dimensions are given in the table. Vacuum cleaner motors consist of universal commutator motor and two fan stages. The rotor is supported with two ball bearings enabling vertical or horizontal installation of motor.

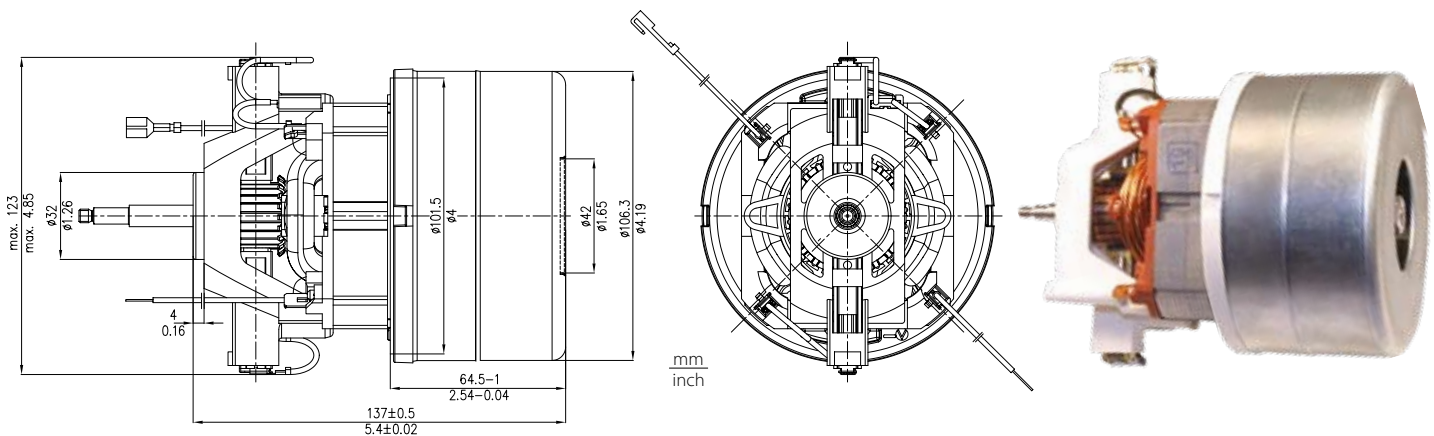
The motor is designed for insulation class 155 (F) and constructed according to EN 60335-1.

Technical data:

Normal operation:	P_m	\geq	810	W
Vacuum:	P_{max}	\geq	20,0 80,4	kPa in H ₂ O
Air Flow:	Q_{max}	\geq	46,0 97,5	dm ³ /s CFM
Air Power:	P_{zmax}	\geq	320	W
Efficiency:	η_{max}	\geq	31	%
Mass:	m	=	1,58	kg

Voltage:	120 V
Frequency:	50/60 Hz
Nominal Power:	950 W

Max power 1100W



Dimensional and performance data are subject to change without notice.

Orifice		Current	Input Power	Speed	Pressure		Air Flow		Air power	Efficiency
mm	in*	A	W	min ⁻¹	kPa	in H ₂ O	dm ³ /s	CFM	W	%
40	1 1/2	9,21	1061	26173	2,2	8,9	45,3	96,0	100	9,4
30	1 1/8	9,33	1074	26077	5,8	23,3	41,0	86,8	238	22,2
23	7/8	9,15	1056	26375	10,5	42,2	32,0	67,8	336	31,8
19	3/4	8,62	999	27103	13,2	52,9	24,4	51,6	321	32,1
16	5/8	8,01	931	28009	15,1	60,6	18,4	39,0	278	29,8
13	1/2	7,29	850	29280	17,0	68,4	12,9	27,3	219	25,8
10	3/8	6,56	766	30684	18,6	74,9	8,0	17,0	149	19,5
6,5	1/4	5,88	689	32168	19,7	79,2	3,5	7,4	69	10,1
0	0	5,16	606	34185	21,0	84,4	0,0	0,0	0	0,0

Data above represent the performance of an average motor sample. Individual data may vary due to normal manufacturing variations.

* Orifice in inch is only approximative.