

492.3.209-2

Vacuum cleaner motor performance

DOMEL®

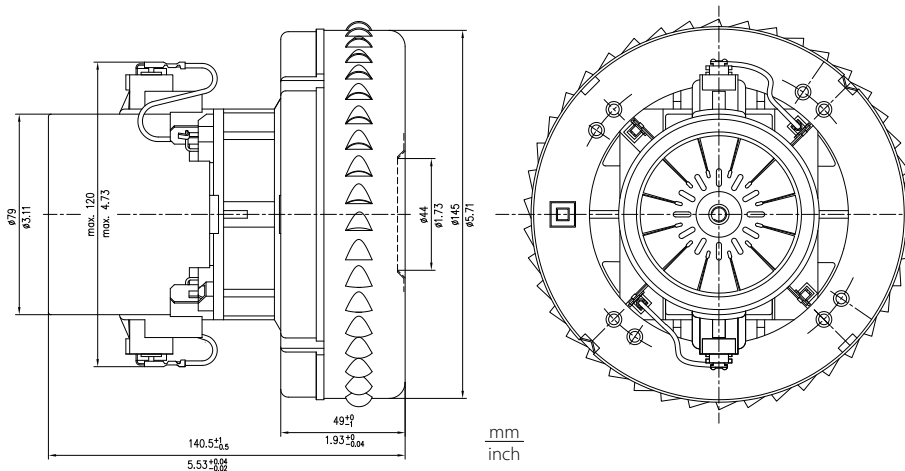
Vacuum cleaner motors with double insulation 492.3.209-2/ 1100W/ 230V/ 50Hz are used for wet and dry aspiration. Technical data and dimensions are given in the table. Vacuum cleaner motors consist of universal commutator motor and single fan stage. The rotor is supported with two ball bearings enabling 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	960 W
Vacuum:	P_{max}	\geq	16,8 kPa 67,6 in H ₂ O
Air Flow:	Q_{max}	\geq	63 dm ³ /s 133 CFM
Air Power:	P_{2max}	\geq	368 W
Efficiency:	η_{max}	\geq	32 %
Mass:	m	=	1,58 kg

Voltage:	230 V
Frequency:	50 Hz
Nominal Power:	1100 W

Max power 1300W



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	5,87	1270	22321	3,6	14,5	57,8	122,5	210	16,5
30	1 1/8	5,71	1237	22650	8,1	32,6	48,0	101,7	388	31,3
23	7/8	5,25	1141	23699	12,0	48,2	33,4	70,8	383	33,6
19	3/4	4,91	1072	24519	12,9	51,8	24,1	51,1	310	29,0
16	5/8	4,61	1011	25288	14,0	56,3	17,8	37,7	249	24,7
13	1/2	4,28	942	26216	15,0	60,3	12,2	25,9	183	19,4
10	3/8	3,96	874	27179	16,0	64,3	7,5	15,9	119	13,7
6,5	1/4	3,68	815	28138	16,6	66,7	3,3	7,0	54	6,6
0	0	3,49	775	28780	17,7	71,1	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.