

496.3.528-2

Vacuum cleaner motor performance

DOMEL®

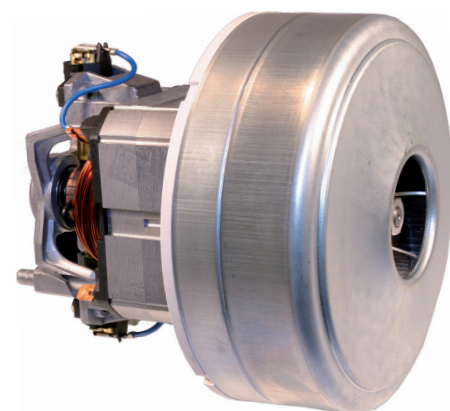
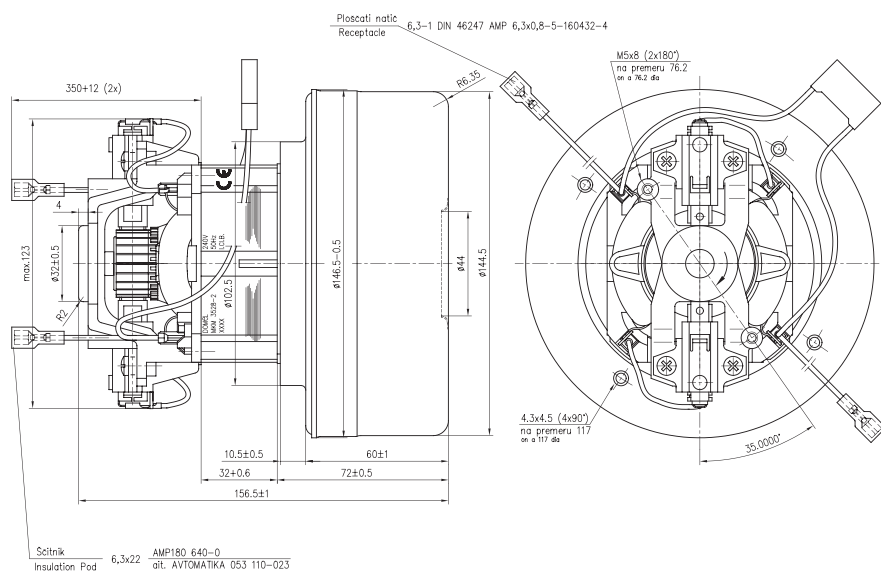
Vacuum cleaner motors 496.3.528-2 / 1100W / 240V / 50Hz are used for dry aspiration. Technical data and dimensions are given in the table. Vacuum motors consist of universal commutator motor and two fan stage. The rotor is supported with two ball bearings enabling vertical or horizontal installation of motor. The motor is designed for insulation class 130(B) and constructed according to EN 60335-1.

Technical data:

Normal operation:	P_m	>=	1230	W
Vacuum:	P_{max}	>=	22 88,5	kPa in H ₂ O
Air Flow at $\phi 50$:	$Q_{\phi 50}$	>=	54 115	dm ³ /s CFM
Air Power:	P_{2max}	>=	400	W
Efficiency:	η_{max}	>=	34	%
Mass:	m	=	2,25	kg

Voltage:	240 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	%
50	2	0,00	0	0	0,0	0,0	0,0	0,0	0	0,0
40	1 1/2	5,74	1301	20142	2,9	151,5	52,1	107,9	153	11,8
30	1 1/8	5,70	1293	20135	7,3	335,7	45,9	92,3	336	26,0
23	7/8	5,37	1221	20640	12,4	517,4	34,6	69,7	427	35,0
19	3/4	5,02	1145	21297	15,1	603,5	25,9	55,1	390	34,1
16	5/8	4,66	1070	21995	17,0	686,2	19,5	40,7	331	31,0
13	1/2	4,26	983	22769	18,6	751,4	13,4	27,3	249	25,4
10	3/8	3,85	892	23750	20,0	807,8	8,2	16,1	164	18,4
6	1/4	3,40	794	25031	21,2	854,0	3,6	7,5	77	9,7
0	0	3,03	711	26258	22,8	917,0	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.