

464.3.401

Vacuum cleaner motor performance

DOMEL®

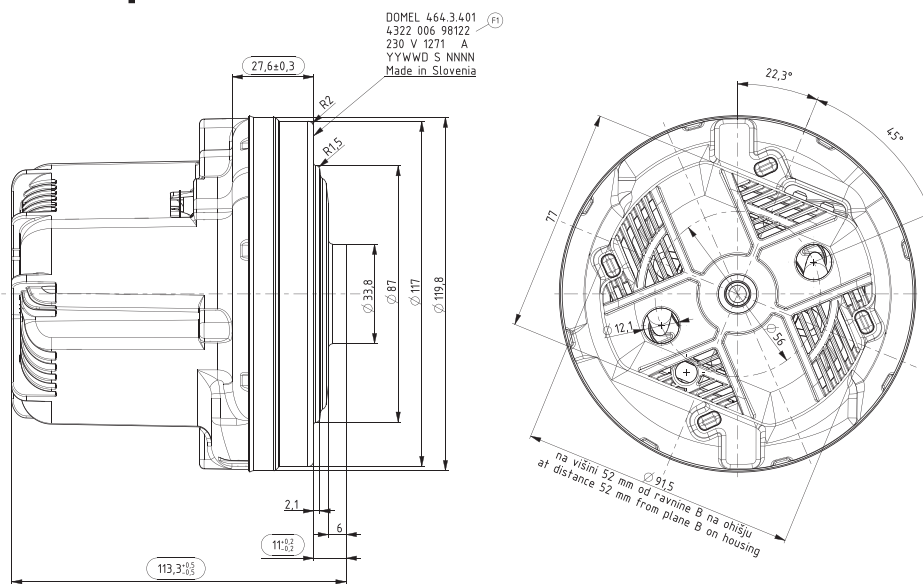
Vacuum cleaner motors with high efficiency 464.3.401 / 1200W / 230V / 50Hz are used for dry aspiration. Technical data and dimensions are given in the table. Vacuum motors consist of universal commutator motor and single fan stage. The rotor is supported with two ball bearings enabling vertical or horizontal installation of motor. The motor is designed for insulation class 180 (H) and constructed according to EN 60335-1.

Technical data:

Normal operation:	P_m	\geq	1280	W
Vacuum:	P_{max}	\geq	30,9 123,8	kPa in H ₂ O
Air Flow at $\phi 50$:	$Q_{\phi 50}$	\geq	47 109	dm ³ /s CFM
Air Power:	P_{2max}	\geq	560	W
Efficiency:	η_{max}	\geq	46	%
Mass:	m	=	1,18	kg

Voltage:	230 V
Frequency:	50 Hz
Nominal Power:	1200 W

Max. power 1400W



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	6,13	1362	44280	1,1	3,8	49,0	103,9	52	3,8
40	1 1/2	6,11	1357	44460	2,5	13,3	48,0	100,2	120	8,8
30	1 1/8	6,01	1335	44940	6,8	33,1	44,2	90,3	299	22,4
23	7/8	5,77	1286	46120	14,0	60,7	36,6	74,5	511	39,7
19	3/4	5,47	1225	47740	20,0	79,8	29,4	62,4	586	47,9
16	5/8	5,16	1155	49700	24,4	98,4	22,8	47,7	556	48,2
13	1/2	4,77	1068	52400	27,3	109,7	15,8	32,2	431	40,4
10	3/8	4,44	993	55380	27,8	112,8	9,5	18,6	265	26,7
6	1/4	4,12	923	58360	29,8	119,8	4,2	8,7	125	13,5
0	0	3,88	869	61240	32,5	130,3	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.