

440.3.208-7

Vacuum cleaner motor performance

DOMEL®

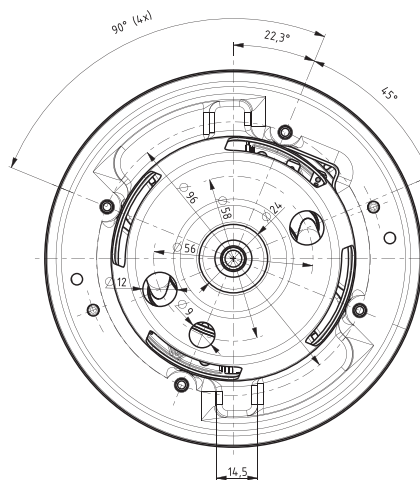
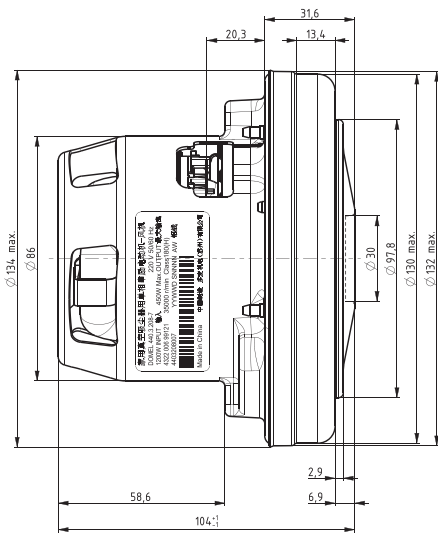
Vacuum cleaner motors with high efficiency 440.3.208-7 / 1200W / 220V / 50/60Hz are used for dry aspiration. Technical data and dimensions are given in the table. Vacuum motors consist of universal commutator motor and single fan stage. The rotor is supported with two ball bearings enabling vertical 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	1190	W
Vacuum:	P_{max}	\geq	25,2 101,2	kPa in H ₂ O
Air Flow at $\phi 50$:	$Q_{\phi 50}$	\geq	45 95	dm ³ /s CFM
Air Power:	P_{2max}	\geq	430	W
Efficiency:	η_{max}	\geq	37	%
Mass:	m	$=$	1,09	kg

Voltage:	220 V
Frequency:	50 / 60 Hz
Nominal Power:	1200 W

Max. power 1250W



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	5,89	1256	33718	1,0	3,5	47,0	99,7	46	3,6
40	1 1/2	5,89	1262	33880	2,3	12,0	45,9	95,7	104	8,3
30	1 1/8	5,84	1251	34057	6,1	29,3	41,8	85,3	253	20,3
23	7/8	5,63	1203	34784	12,1	52,2	34,2	69,6	414	34,4
19	3/4	5,38	1154	36027	16,7	66,9	27,2	57,7	454	39,4
16	5/8	5,09	1091	37458	20,3	82,0	21,1	44,1	427	39,2
13	1/2	4,75	1017	39443	23,3	94,0	14,8	30,1	345	33,9
10	3/8	4,48	964	41445	24,5	98,8	9,0	17,6	221	22,9
6	1/4	4,20	904	43530	25,4	101,9	3,9	8,1	99	11,0
0	0	4,05	874	44872	26,5	106,6	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.