496.3.330
Vacuum cleaner motor performance

DOMEL®

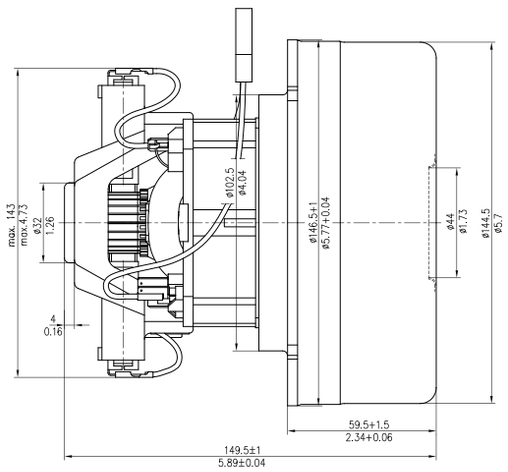
Vacuum cleaner motors 496.3.330/ 1000W/ 240V/ 50Hz are used for dry aspiration. Technical data and dimensions are given in the table. Vacuum cleaner motors consist of universal commutator motor and two fan stages. The rotor is supported with two ball bearings enabling vertical or horizontal installation of motor.
The motor is designed for insulation class 130 (B) and constructed according to EN 60335-1.

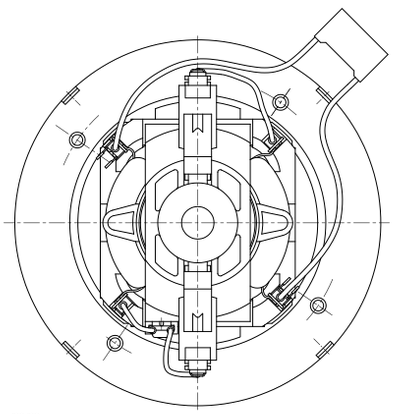
Technical data:

Normal operation:	P_m	>=	880	W
Vacuum:	p_{max}	>=	20,4 82,1	kPa in H_2O
Air Flow:	Q_{max}	>=	55 117	dm^3/s CFM
Air Power:	P_{2max}	>=	378	W
Efficiency:	η_{max}	>=	35	%
Mass:	m	=	1,93	kg

Voltage:	240 V
Frequency:	50 Hz
Nominal Power:	1000 W

Max power 1150W





mm
inch

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_2O	dm^3/s	CFM	W	%
40	1 1/2	5,07	1142	19264	3,0	12,0	52,6	111,5	157	13,8
30	1 1/8	5,12	1153	19128	7,3	29,4	45,8	97,0	335	29,0
23	7/8	4,87	1096	19552	11,8	47,3	33,8	71,6	398	36,3
19	3/4	4,57	1031	20178	14,1	56,6	25,1	53,2	354	34,4
16	5/8	4,25	986	20918	15,7	63,3	18,8	39,8	296	30,6
13	1/2	3,92	895	21746	17,2	68,9	12,9	27,4	222	24,8
10	3/8	3,56	815	22710	18,5	74,2	8,0	16,9	147	18,1
6,5	1/4	3,15	727	23964	19,7	79,3	3,5	7,5	69	9,5
0	0	2,75	638	25533	21,5	86,2	0,0	0,0	0	0,0

Data above represent the preformance of an average motor sample. Individual data may vary due to normal manufacturing variations.
* Orifice in inch is only approximative.