

492.3.363-12

Vacuum cleaner motor performance

DOMEL®

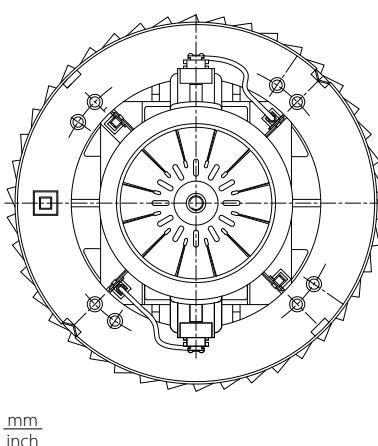
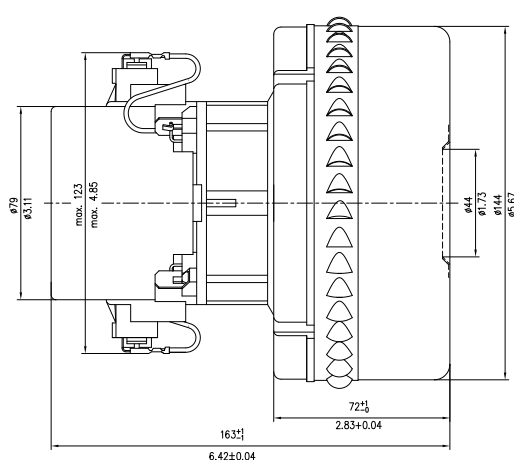
Vacuum cleaner motors with double insulation 492.3.363-12/ 1200W/ 230V/ 50Hz are used for wet and dry aspiration. Technical data and dimensions are given in the table. Vacuum cleaner motors consist of universal commutator motor and two fan stages. The rotor is supported with two ball bearings enabling vertical or horizontal installation of motor. The motor is designed for insulation class 155 (F) and constructed according to EN 60335-1.

Technical data:

Normal operation:	P_m	\geq	1060 W
Vacuum:	P_{max}	\geq	22,4 kPa 90,1 in H ₂ O
Air Flow:	Q_{max}	\geq	58 dm ³ /s 123 CFM
Air Power:	P_{2max}	\geq	444 W
Efficiency:	η_{max}	\geq	35 %
Mass:	m	=	1,98 kg

Voltage:	230 V
Frequency:	50 Hz
Nominal Power:	1200 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	5,94	1297	19803	3,3	13,4	55,5	117,5	185	14,3
30	1 1/8	6,03	1315	19561	8,1	32,5	48,1	101,8	389	29,6
23	7/8	5,84	1276	19985	13,1	52,8	35,6	75,4	468	36,8
19	3/4	5,54	1213	20747	15,7	63,1	26,4	55,9	414	34,1
16	5/8	5,23	1152	21470	17,4	69,9	19,7	41,6	342	29,7
13	1/2	4,91	1086	22388	18,9	75,9	13,5	28,6	255	23,5
10	3/8	4,55	1011	23464	20,3	81,4	8,3	17,6	168	16,8
6,5	1/4	4,20	938	24811	21,5	86,4	3,7	7,7	79	8,4
0	0	3,91	878	25742	23,6	94,9	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.