492.3.586-2
Vacuum cleaner motor performance

DOMEL®

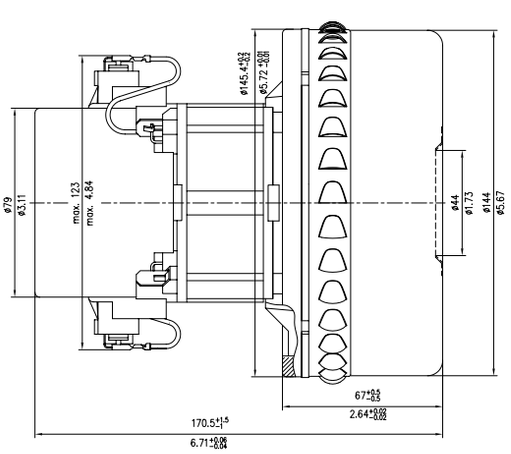
Vacuum cleaner motors with double insulation 492.3.586-2 / 1200W / 230V / 50Hz are used for wet and dry aspiration. Technical data and dimensions are given in the table. Vacuum cleaner motors consist of universal commutator motor and two fan stages. The rotor is supported with two ball bearings enabling vertical or horizontal installation of motor.
The motor is designed for insulation class 155 (F) and constructed according to EN 60335-1.

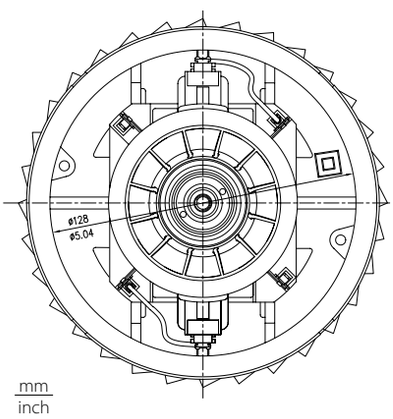
Technical data:

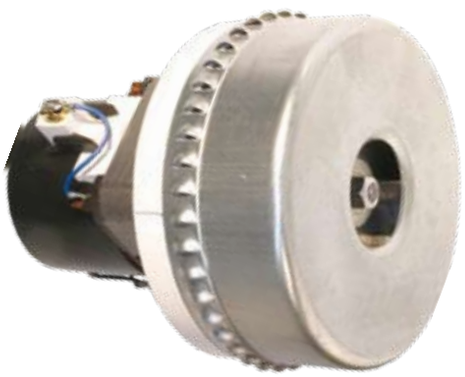
Normal operation:	P_m	>=	1020	W
Vacuum:	p_{max}	>=	22,5 90,4	kPa in H_2O
Air Flow:	Q_{max}	>=	54,0 114,4	dm^3/s CFM
Air Power:	P_{2max}	>=	415	W
Efficiency:	η_{max}	>=	35	%
Mass:	m	=	2,28	kg

Voltage:	230 V
Frequency:	50/60 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_2O	dm^3/s	CFM	W	%
40	1 1/2	5,91	1290	19635	2,7	11,0	50,3	106,6	138	10,7
30	1 1/8	5,89	1285	19644	7,1	28,6	45,2	95,8	322	25,0
23	7/8	5,62	1230	20198	12,6	50,6	34,8	73,8	438	35,6
19	3/4	5,32	1166	20971	15,6	62,7	26,3	55,7	410	35,2
16	5/8	5,01	1104	21642	17,5	70,5	19,7	41,8	346	31,3
13	1/2	4,68	1035	22609	19,5	78,2	13,7	29,0	267	25,8
10	3/8	4,34	966	23622	21,0	84,2	8,4	17,8	176	18,3
6,5	1/4	4,00	894	25032	22,3	89,6	3,7	7,9	83	9,3
0	0	3,74	838	26074	24,4	97,9	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.