492.3.417
Vacuum cleaner motor performance

DOMEL®

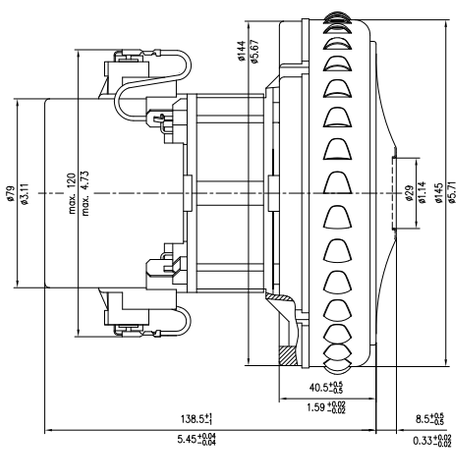
Vacuum cleaner motors with double insulation 492.3.417/ 1150W/ 230V/ 50Hz are used for wet and dry aspiration. Technical data and dimensions are given in the table. Vacuum cleaner motors consist of universal commutator motor and single fan stage. The rotor is located between two ball bearings enabling vertical or horizontal installation of motor. The motor is designed for insulation class 155 (F) and constructed according to EN 60335-1.

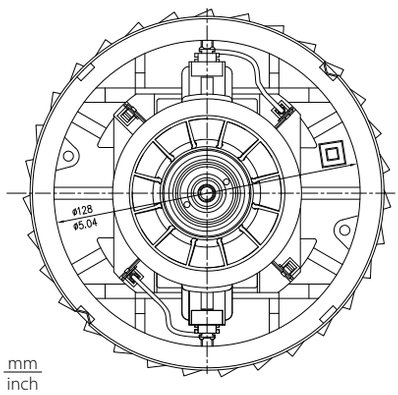
Technical data:

Normal operation:	P_m	>=	980	W
Vacuum:	p_{max}	>=	23,0 92,5	kPa in H_2O
Air Flow:	Q_{max}	>=	52 110	dm^3/s CFM
Air Power:	P_{2max}	>=	400	W
Efficiency:	η_{max}	>=	34	%
Mass:	m	=	1,86	kg

Voltage:	230 V
Frequency:	50 Hz
Nominal Power:	1150 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_2O	dm^3/s	CFM	W	%
40	1 1/2	5,58	1252	26177	3,0	12,1	52,6	111,5	158	12,6
30	1 1/8	5,56	1250	26216	7,5	30,1	46,3	98,1	346	27,7
23	7/8	5,31	1194	26888	12,6	50,6	34,9	73,9	439	36,8
19	3/4	4,99	1127	27788	15,6	62,7	26,3	55,8	411	36,5
16	5/8	4,75	1075	28914	18,0	72,2	19,9	42,3	358	33,3
13	1/2	4,42	1003	30290	20,1	80,9	13,9	29,4	280	27,9
10	3/8	4,11	935	31698	21,7	87,0	8,5	18,1	185	19,8
6,5	1/4	3,80	865	33246	23,2	93,4	3,8	8,0	88	10,1
0	0	3,53	805	34542	24,1	96,9	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.