492.3.579
Vacuum cleaner motor performance

DOMEL®

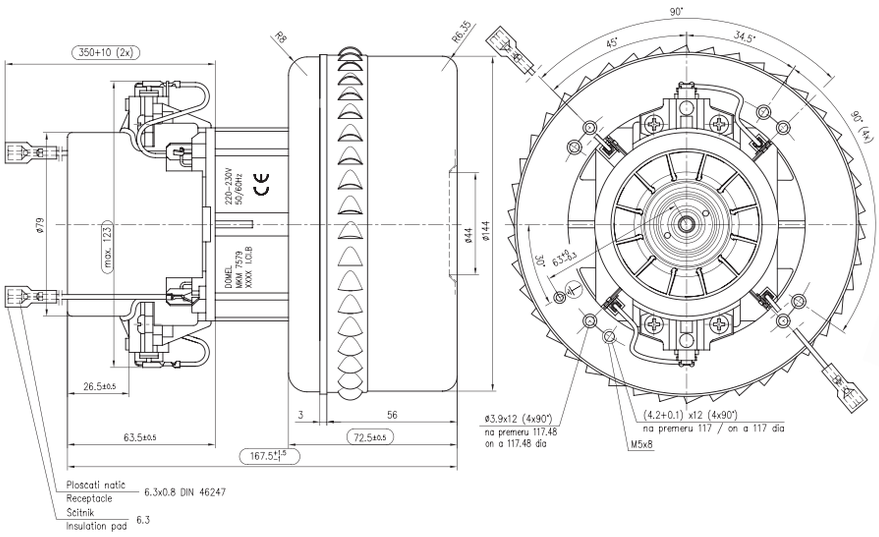
Vacuum cleaner motors 492.3.579 / 1000W /220-230V / 50/60Hz are used for wet and dry aspiration. Technical data and dimensions are given in the table. Vacuum motors consist of universal commutator motor and two fan stages. The rotor is located between two ball bearings enabling vertical or horizontal installation of motor.The motor is designed for insulation class 130 (B) and constructed according to EN 60335-1.

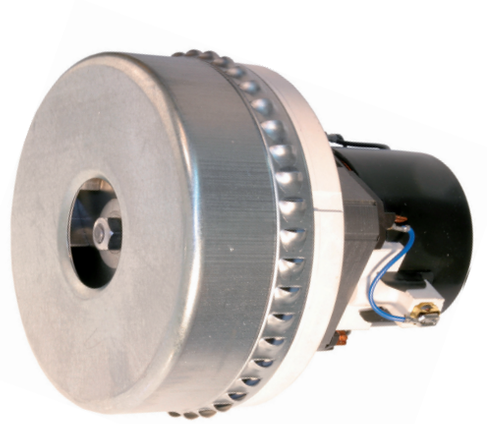
Technical data:

Normal operation:	P_m	>=	1020	W
Vacuum:	p_{max}	>=	19 76,7	kPa in H_2O
Air Flow at φ50:	$Q_{\varphi 50}$	>=	53 113	dm^3/s CFM
Air Power:	P_{2max}	>=	370	W
Efficiency:	η_{max}	>=	35	%
Mass:	m	=	2,21	kg

Voltage:	220 - 230 V
Frequency:	50 / 60 Hz
Nominal Power:	1000 W

Max. power 1100W





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	%
50	2	0,00	0	0	0,0	0,0	0,0	0,0	0	0,0
40	1 1/2	5,06	1082	18597	2,9	14,8	51,5	106,6	148	13,7
30	1 1/8	5,11	1093	18457	7,1	32,4	45,3	90,9	323	29,6
23	7/8	4,93	1057	18788	11,7	48,5	33,7	67,7	394	37,2
19	3/4	4,67	1005	19337	13,7	55,0	24,8	52,8	341	33,9
16	5/8	4,41	953	19944	15,1	61,0	18,5	38,6	279	29,3
13	1/2	4,13	895	20651	16,4	66,1	12,7	25,8	207	23,2
10	3/8	3,80	829	21437	17,5	70,6	7,8	15,2	136	16,4
6	1/4	3,49	765	22368	18,5	74,2	3,4	7,1	63	8,2
0	0	3,23	712	23189	20,1	80,7	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.