462.3.356-2
Vacuum cleaner motor performance

DOMEL®

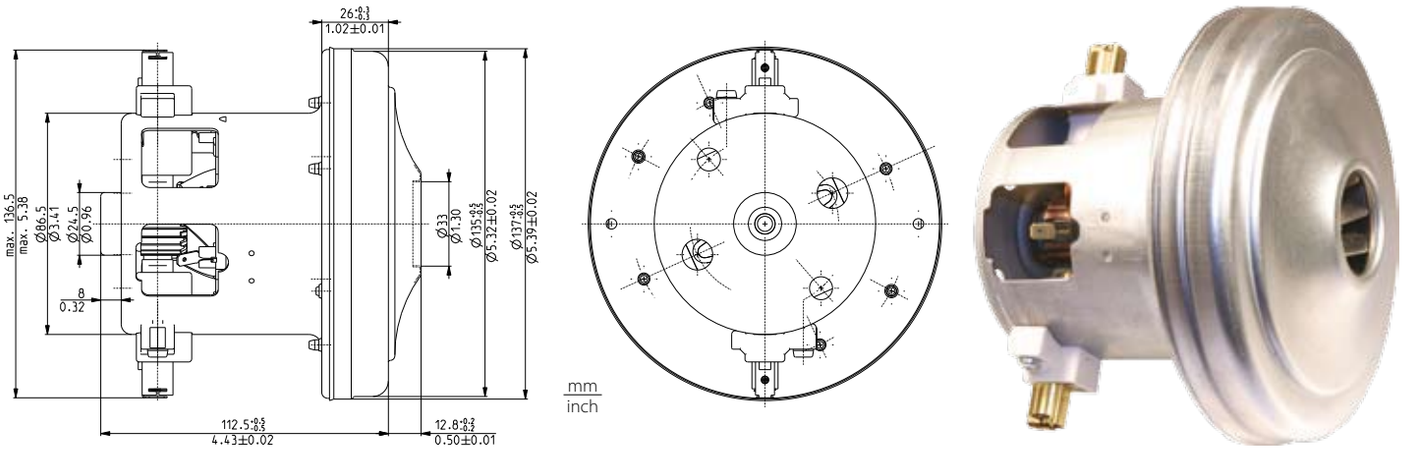
Vacuum cleaner motors with high efficiency 462.3.356-2/ 1100W/ 230V/ 50Hz are used for dry aspiration. Technical data and dimensions are given in the table. Vacuum cleaner motors consist of universal commutator motor and single fan stage. The rotor is supported with two ball bearings enabling vertical 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	>=	940	W
Vacuum:	p_{max}	>=	25,4 96,5	kPa in H_2O
Air Flow:	Q_{max}	>=	47 95	dm^3/s CFM
Air Power:	P_{2max}	>=	470	W
Efficiency:	η_{max}	>=	44	%
Mass:	m	=	1,47	kg

Voltage:	230 V
Frequency:	50 Hz
Nominal Power:	1100 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	5,44	1230	30505	2,7	10,6	49,5	105,0	131	10,7
30	1 1/8	5,31	1200	30987	7,2	28,8	45,4	96,1	325	27,1
23	7/8	5,02	1138	32118	13,6	54,7	36,1	76,6	492	43,2
19	3/4	4,73	1074	33368	17,8	71,5	27,9	59,2	497	46,3
16	5/8	4,45	1012	34696	20,4	82,1	21,1	44,7	431	42,6
13	1/2	4,16	946	36365	23,0	92,6	14,7	31,2	340	35,9
10	3/8	3,86	880	38102	24,0	96,4	8,9	18,9	214	24,3
6,5	1/4	3,62	826	40218	24,5	98,5	3,9	8,2	95	11,5
0	0	3,41	779	41882	26,8	107,6	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.