463.3.601-3
Vacuum cleaner motor performance

DOMEL®

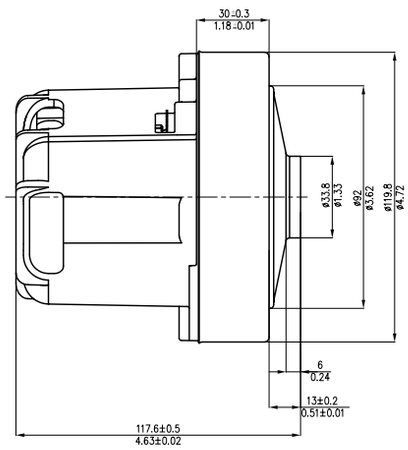
Vacuum cleaner motors with high efficiency 463.3.601-3 / 2100W / 230V / 50Hz are used for dry aspiration. Technical data and dimensions are given in the table. Vacuum cleaner motors consist of universal commutator motor and single fan stage. The rotor is supported with two ball bearings enabling vertical or horizontal installation of motor.
The motor is designed for insulation class 180 (H) and constructed according to EN 60335-1.

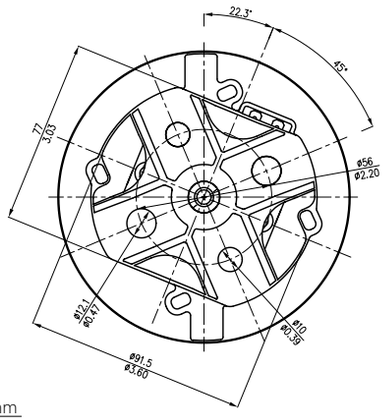
Technical data:

Input Power:	P_{1max}	>=	2010	W
Vacuum:	p_{max}	>=	31,9 128,2	kPa in H_2O
Air Flow:	Q_{max}	>=	59,0 125,0	dm^3/s CFM
Air Power:	P_{2max}	>=	790	W
Efficiency:	η_{max}	>=	43	%
Mass:	m	=	1,29	kg

Voltage:	230 V
Frequency:	50 Hz
Max Power:	2100 W

Max power 2100W





mm
inch

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	9,34	2120	44352	1,7	6,9	62,2	131,8	106	5,0
40	1 1/2	9,26	2103	44542	3,9	15,5	59,6	126,2	230	10,9
30	1 1/8	9,06	2059	45150	10,3	41,6	54,0	114,3	558	27,1
23	7/8	8,55	1948	46782	19,6	78,6	42,6	90,2	833	42,8
19	3/4	8,00	1827	48580	25,3	101,5	32,5	68,9	821	45,0
16	5/8	7,48	1712	50693	29,4	118,1	24,6	52,2	724	42,3
13	1/2	6,96	1593	53099	32,6	131,1	17,0	36,1	556	34,9
10	3/8	6,42	1475	55755	33,6	135,0	10,3	21,7	345	23,4

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.