

# 463.3.201

## Vacuum cleaner motor performance

# DOMEL®

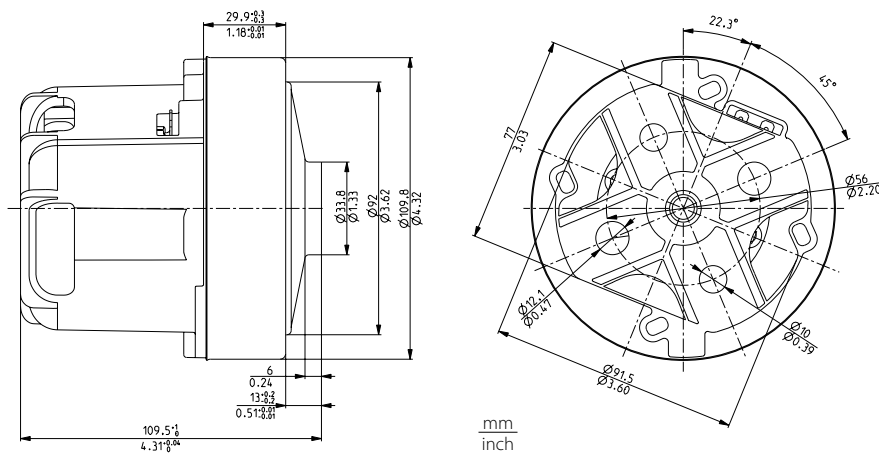
Vacuum cleaner motors with high efficiency 463.3.201/ 1600W/ 230V/ 50Hz are used for dry aspiration. Technical data and dimensions are given in the table. Vacuum cleaner motors consist of universal commutator motor and single fan stage. The rotor is supported with two ball bearings enabling vertical 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:	$P_{1max}$	>=	1500	W
Vacuum:	$P_{max}$	>=	35,6 143,0	kPa in H <sub>2</sub> O
Air Flow:	$Q_{max}$	>=	42 90	dm <sup>3</sup> /s CFM
Air Power:	$P_{2max}$	>=	550	W
Efficiency:	$\eta_{max}$	>=	42	%
Mass:	m	=	1,03	kg

## Max power 1600W

Voltage:	226 V
Frequency:	50 Hz
Max Power:	1600 W



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 <sup>-1</sup>	kPa	in H <sub>2</sub> O	dm <sup>3</sup> /s	CFM	W	%
40	1 1/2	7,10	1573	39840	1,9	7,8	42,4	89,7	82	5,2
30	1 1/8	6,96	1541	40320	5,6	22,4	40,2	85,1	224	14,5
23	7/8	6,65	1474	41520	12,5	50,3	34,8	73,7	435	29,5
19	3/4	6,30	1395	43000	19,0	76,3	28,7	60,9	546	39,1
16	5/8	5,90	1307	44760	24,2	97,2	22,7	48,1	549	42,0
13	1/2	5,41	1198	47300	28,6	114,9	16,1	34,2	462	38,5
10	3/8	4,91	1087	50420	30,8	123,7	9,9	21,0	305	28,0
6,5	1/4	4,40	984	54040	31,9	128,3	4,3	9,1	138	14,0
0	0	4,70	1049	53720	35,6	143,1	0,0	0,0	0	0,0

Data above represent the performance of an average motor sample. Individual data may vary due to normal manufacturing variations.

\* Orifice in inch is only approximative.