

# 467.3.228

## Vacuum cleaner motor performance

# DOMEL®

Vacuum cleaner motors with double insulation and high efficiency 467.3.228 / 1100W / 120V / 60Hz 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 supported with two ball bearings enabling vertical or horizontal installation of motor.

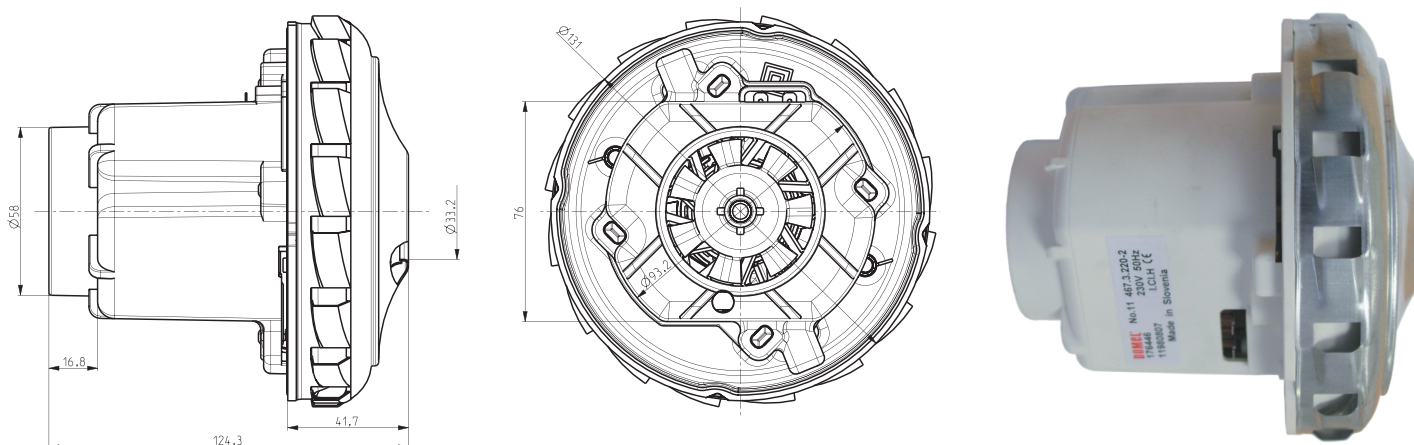
The motor is designed for insulation class 105 (A) and constructed according to EN 60335-1.

### Technical data:

Normal operation:	$P_m$	$\geq$	1190	W
Vacuum:	$P_{max}$	$\geq$	24,5 98,2	kPa in H <sub>2</sub> O
Air Flow at $\phi 50$ :	$Q_{\phi 50}$	$\geq$	66 139	dm <sup>3</sup> /s CFM
Air Power:	$P_{2max}$	$\geq$	430	W
Efficiency:	$\eta_{max}$	$\geq$	37	%
Mass:	m	=	1,1	kg

Voltage:	120 V
Frequency:	60 Hz
Nominal Power:	1100 W

## Max. power 1200W



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	%
50	2	10,47	1223	30577	2,1	7,7	68,7	146,8	143	11,7
40	1 1/2	10,49	1226	30216	4,1	19,8	61,5	125,3	254	20,7
30	1 1/8	10,42	1219	30279	8,4	37,4	48,9	97,7	410	33,6
23	7/8	9,95	1165	31552	12,9	53,9	35,2	71,0	454	39,0
19	3/4	9,45	1109	32986	15,7	62,8	26,4	56,1	413	37,3
16	5/8	8,92	1049	34605	18,0	72,5	19,9	41,7	358	34,1
13	1/2	8,26	974	36717	20,4	82,8	14,0	28,5	286	29,3
10	3/8	7,61	901	38971	22,5	91,2	8,7	17,0	195	21,7
6	1/4	7,05	836	41215	24,2	97,3	3,8	8,0	93	11,1
0	0	6,59	784	43193	25,8	103,4	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.