

467.3.231

Vacuum cleaner motor performance

DOMEL®

Vacuum cleaner motors with double insulation and high efficiency 467.3.231 / 750W / 230V / 50Hz 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.

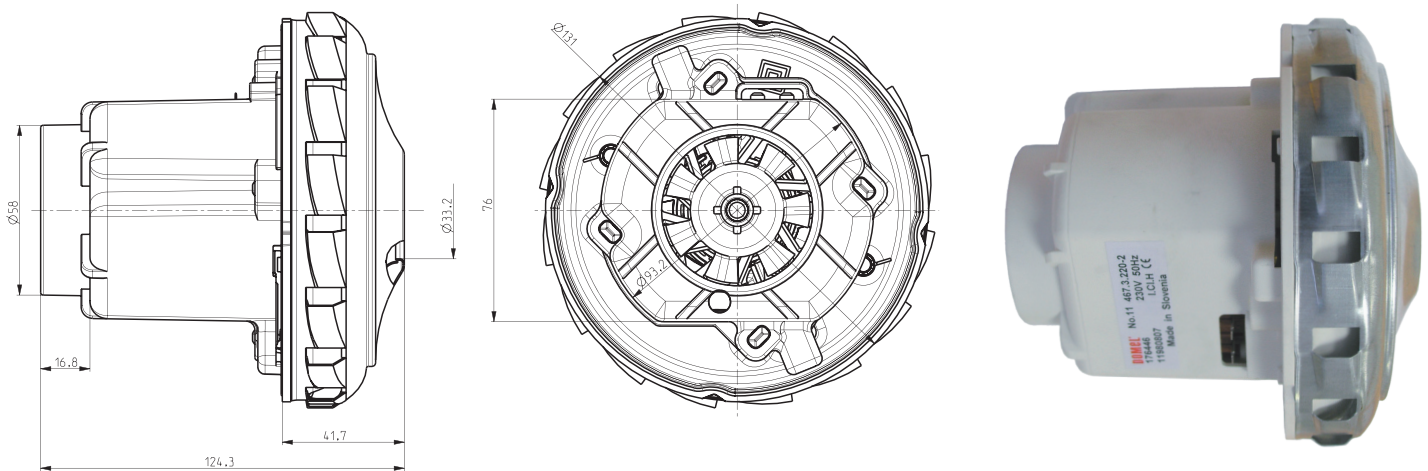
The motor is designed for insulation class 180 (H) and constructed according to EN 60335-1.

Technical data:

Normal operation:	P_m	\geq	790	W
Vacuum:	P_{max}	\geq	19,2 77,2	kPa in H ₂ O
Air Flow at $\phi 50$:	$Q_{\phi 50}$	\geq	59 124	dm ³ /s CFM
Air Power:	P_{2max}	\geq	295	W
Efficiency:	η_{max}	\geq	37	%
Mass:	m	$=$	1,08	kg

Voltage:	230 V
Frequency:	50 Hz
Nominal Power:	750 W

Max. power 800W



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 ₂ O	dm ³ /s	CFM	W	%
50	2	3,65	826	27020	1,7	6,2	61,7	131,9	104	12,6
40	1 1/2	3,68	832	26760	3,3	15,9	55,4	112,7	185	22,2
30	1 1/8	3,67	829	26773	6,6	29,2	43,6	87,0	287	34,6
23	7/8	3,52	796	27762	10,0	41,8	31,3	63,1	313	39,3
19	3/4	3,35	758	28993	12,2	48,7	23,5	49,9	285	37,6
16	5/8	3,17	720	30331	14,0	56,5	17,8	37,3	249	34,6
13	1/2	2,95	671	31915	15,8	64,0	12,5	25,4	196	29,3
10	3/8	2,75	626	33815	17,5	71,0	7,8	15,2	136	21,7
6	1/4	2,54	580	35909	19,0	76,3	3,5	7,2	66	11,3
0	0	2,38	544	38052	20,3	81,3	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.