

# 467.3.270-8

## Vacuum cleaner motor performance

# DOMEL®

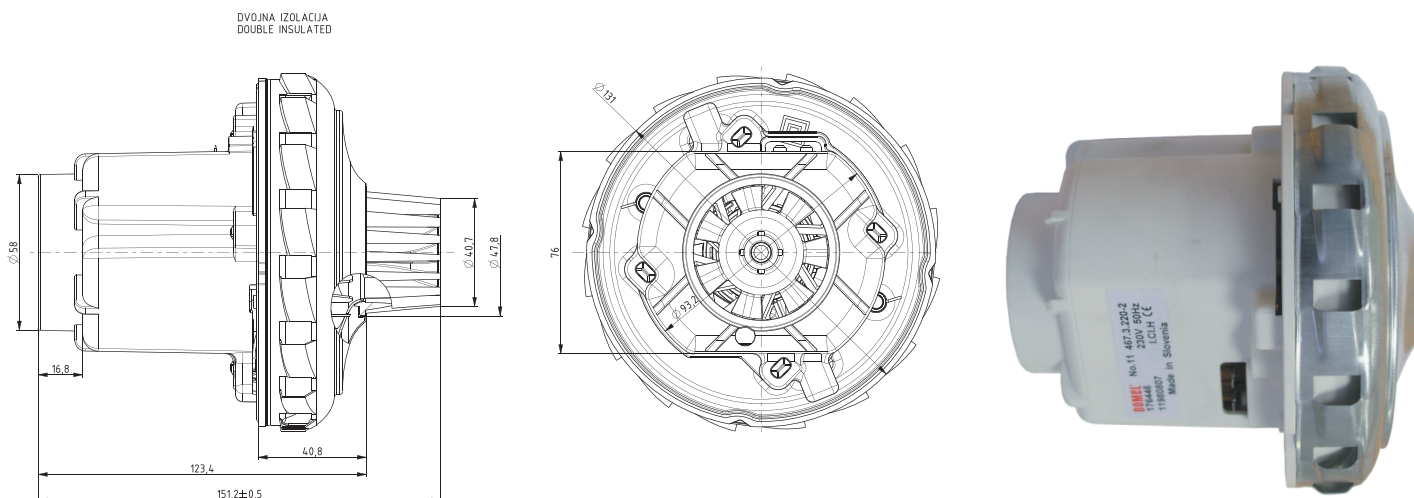
Vacuum cleaner motors with double insulation and high efficiency 467.3.270-8 / 1050W / 230V / 50Hz are used for wet and dry aspiration. Technical data and dimensions are given in the table. Vacuum motors consist of universal commutator motor and single fan stage. The rotor is supported with two ball 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:	$P_m$	$\geq$	1040	W
Vacuum:	$P_{max}$	$\geq$	18,2 73,2	kPa in H <sub>2</sub> O
Air Flow at $\phi 50$ :	$Q_{\phi 50}$	$\geq$	50 104	dm <sup>3</sup> /s CFM
Air Power:	$P_{2max}$	$\geq$	380	W
Efficiency:	$\eta_{max}$	$\geq$	28	%
Mass:	$m$	$=$	1,14	kg

Voltage:	230 V
Frequency:	50 Hz
Nominal Power:	1050 W

## Max. power 1100W



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	4,93	1106	29810	1,2	4,4	52,3	111,5	63	5,7
40	1 1/2	4,89	1098	29883	2,6	12,7	48,8	100,1	126	11,4
30	1 1/8	4,79	1077	30348	5,7	26,2	40,7	81,9	232	21,6
23	7/8	4,60	1035	31358	9,7	41,0	30,9	62,4	300	28,9
19	3/4	4,40	993	32501	12,3	49,4	23,6	50,2	292	29,4
16	5/8	4,18	945	33748	14,4	58,3	18,1	37,8	261	27,6
13	1/2	3,92	888	35283	16,2	65,7	12,6	25,7	204	23,0
10	3/8	3,67	831	36852	17,8	71,7	7,8	15,3	139	16,8
6	1/4	3,49	793	38248	18,3	73,5	3,4	7,0	62	7,9
0	0	3,45	783	38778	19,1	76,8	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.