467.3.226
Vacuum cleaner motor performance

DOMEL®

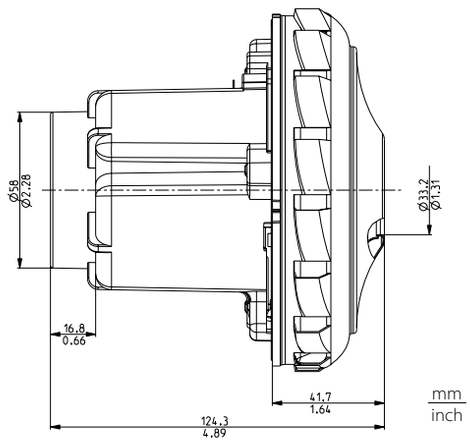
Vacuum cleaner motors with double insulation and high efficiency 467.3.226 / 400W / 115V / 60Hz are used for wet and dry aspiration. Technical data and dimensions are given in the table. Vacuum cleaner motors consist of universal commutator motor and single fan stage. The rotor is supported with two ball bearings enabling vertical or horizontal installation of motor.
The motor is designed for insulation class 180 (H) and constructed according to EN 60335-1.

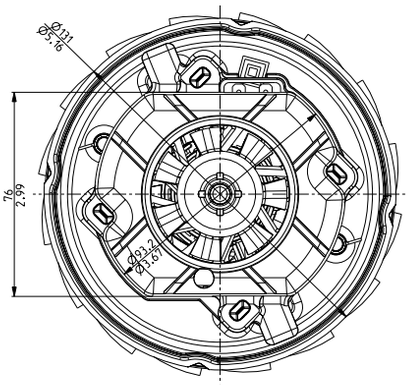
Max power 470W

Technical data:

Normal operation:	P_m	>=	350	W
Vacuum:	p_{max}	>=	14,0 56,3	kPa in H_2O
Air Flow:	Q_{max}	>=	47,0 99,6	dm^3/s CFM
Air Power:	P_{2max}	>=	165	W
Efficiency:	η_{max}	>=	37	%
Mass:	m	=	1,10	kg

Voltage:	115 V
Frequency:	60 Hz
Nominal Power:	400 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^{-1}	kPa	in H_2O	dm^3/s	CFM	W	%
50	2	4,16	466	21861	1,1	4,3	49,4	104,7	53	11,4
40	1 1/2	4,18	469	21727	2,2	8,8	45,1	95,6	99	21,1
30	1 1/8	4,16	467	21800	4,5	18,0	36,1	76,4	161	34,5
23	7/8	3,99	449	22618	6,8	27,3	26,1	55,2	177	39,5
19	3/4	3,83	431	23532	8,3	33,3	19,6	41,5	162	37,6
16	5/8	3,64	412	24575	9,6	38,6	14,9	31,6	143	34,8
13	1/2	3,42	387	25981	11,1	44,6	10,6	22,5	118	30,4
10	3/8	3,22	366	27495	12,5	50,2	6,7	14,1	83	22,7
6,5	1/4	3,04	346	28987	13,8	55,4	3,0	6,3	41	11,9
0	0	2,91	331	30209	14,7	59,0	0,0	0,0	0	0,0

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.