440.3.402-9
Vacuum cleaner motor performance

DOMEL®

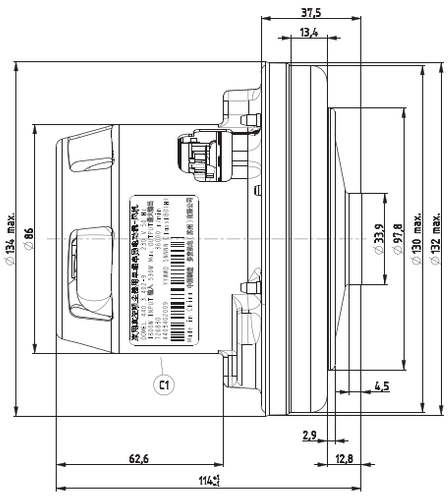
Vacuum cleaner motors with high efficiency 440.3.402-9/ 1300W / 230V / 50Hz are used for dry aspiration. Technical data and dimensions are given in the table. Vacuum motors consist of universal commutator motor and single fan stage. The rotor is supported with two ball bearings enabling vertical or horizontal installation of motor. The motor is designed for insulation class 180 (H) and constructed according to EN 60335-1.

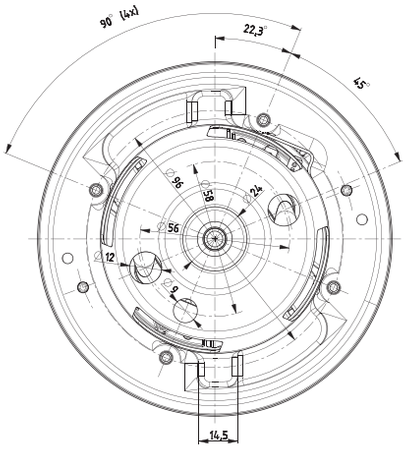
Technical data:

Normal operation:	P_m	>=	1270	W
Vacuum:	p_{max}	>=	27,6 110,9	kPa in H_2O
Air Flow at φ50:	$Q_{\varphi 50}$	>=	50 104	dm^3/s CFM
Air Power:	P_{2max}	>=	510	W
Efficiency:	η_{max}	>=	42	%
Mass:	m	=	1,26	kg

Voltage:	230 V
Frequency:	50 Hz
Nominal Power:	1300 W

Max. power 1300W





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	5,87	1330	35594	1,2	4,3	52,2	110,8	63	4,7
40	1 1/2	5,86	1329	35702	2,8	14,5	50,7	105,3	141	10,6
30	1 1/8	5,77	1308	35995	7,2	34,5	45,5	92,6	329	25,2
23	7/8	5,55	1260	36852	14,0	59,7	36,6	74,2	510	40,5
19	3/4	5,26	1195	38224	18,7	74,9	28,6	60,7	534	44,7
16	5/8	4,95	1126	39858	22,5	90,9	22,0	46,1	495	44,0
13	1/2	4,62	1053	41831	25,6	103,0	15,4	31,4	395	37,5
10	3/8	4,30	981	43997	26,4	106,4	9,3	18,2	245	25,0
6	1/4	4,00	915	46499	27,5	110,4	4,1	8,4	111	12,2
0	0	3,75	857	48887	29,1	116,7	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.