



VACUUM CLEANER MOTOR PERFORMANCE - DOMEL SUZHOU

Tested in accordance with IEC 60312, alternative B

Standard version: IEC 60312-1:2010+A1:2011 Correction used: Voltage

Domel Electric Motors (Suzhou) Co, Ltd  
Jingmao Lu 285, Suzhou, P.R. China

SWVersion: DPI150 IEC\_60312-2011\_28032019

Type	440.3.403-5
Voltage (V)	240
Frequency (Hz)	50
Product ID	19364 16202
Customer	Rugged Industry
Test Engineer	sam
Test Date&Time	2019.9.6 9:41:58
Device	
Remarks	951447
Comment 1	serial production
Comment 2	Rotor 947341 stator 952984

Tamb [廢]= 25.58 r.H. [%] 46.39 Abs. pressure [kPa]= 100.39 Warmup time [min]= 10 Tout [廢]= 47.58

Quantities: Input Power, Speed, Vacuum, Air Flow, Air Power and Efficiency calculated according to IEC 60312-1.

Orifice (mm)	Current (A)	Input Power (W)	Speed (1/min)	Vacuum (kPa)	Air Flow (dm <sup>3</sup> /s)	Air Power (W)	Efficiency (%)
50.00	7.11	1705.88	39838.09	1.17	51.68	60.70	3.56
40.00	7.10	1705.12	39915.09	2.71	50.09	135.78	7.96
30.00	7.01	1687.53	40161.27	7.35	45.87	336.93	19.97
23.00	6.83	1645.91	40773.92	15.01	37.79	567.00	34.45
21.00	6.72	1618.03	41249.05	17.84	34.10	608.46	37.60
19.00	6.54	1573.86	41906.28	20.63	29.81	614.90	39.07
16.00	6.16	1484.83	43547.41	25.38	23.17	588.14	39.61
13.00	5.75	1388.85	45546.56	28.15	16.04	451.52	32.51
10.00	5.37	1293.75	47625.59	29.97	9.80	293.77	22.71
6.50	4.99	1203.82	49906.37	31.27	4.28	133.74	11.11
0.00	4.73	1140.57	51502.22	32.71	0.00	0.00	0.00

Nominal operation according to IEC 60335-2-2 (measured values):

Pf (W)= 1674.62

Pi (W)= 1121.49

Pm (W)= 1398.05

Last Minute Comment:

Maximum measured values:

Input power= 1705.88 W Air power= 614.9 W Vacuum= 32.71 kPa Air flow= 51.68 dm<sup>3</sup>/s Efficiency= 39.61 %

