



Domel d.d.
4228 Železniki,
Otoki 21
Slovenia

BLOWER/COMPRESSOR PERFORMANCE

Tested in accordance with IEC 60312, alternative B

Code	497.3.210
Voltage (V)	230 VAC
Frequency (Hz)	50 Hz
Customer	
Working Order Number	1352481
Request Number	213 - 2025
Number	1296684
Test Date&Time	15.10.2025 13:25:36
Description	2 stage / tangential
Stator	40 / 0,63
Rotor	
Controler	497.2.354-3
Weight	1,818 kg
Remarks	
Source Results File	M:\ECM\Merjenje_karakteristik\Vzorci 2025\497\213 - 2025VCMP497.3.2101296684_15.10.2025_13.25.361352481.tdms

Ambient temperature [°C]= 20,6 Humidity [%]= 53,86 Absolute pressure [kPa]= 96,77 Warmup time [min]= 3 Tout [°C]= 29,68

Orifice (mm)	Current I1 (A)	Input Power (W)	Speed (/min)	Vacuum (kPa)	Air Flow (dm^3/s)	Air Power (W)	Efficiency (%))
60,0	9,6	1205,3	NaN	0,8	61,2	48,7	4,0
50,0	9,6	1212,7	NaN	1,6	59,9	94,6	7,8
40,0	9,7	1227,6	NaN	3,6	57,3	204,2	16,6
30,0	9,9	1251,7	NaN	7,7	47,0	363,4	29,0
23,0	9,8	1232,5	NaN	12,4	34,7	430,9	35,0
21,0	9,6	1202,3	NaN	14,2	30,7	434,4	36,1
19,0	9,4	1170,8	NaN	15,7	26,4	415,0	35,4
16,0	9,0	1110,2	NaN	17,6	19,7	346,3	31,2
13,0	8,4	1031,8	NaN	19,3	13,6	263,0	25,5
10,0	8,0	959,8	NaN	20,6	8,4	172,6	18,0
6,5	7,6	906,7	NaN	21,9	3,7	80,4	8,9
0,0	7,4	867,0	NaN	24,6	0,0	0,0	0,0

Normal operation according to IEC 60335-2-2:

Pf (W)= 1197,7
Pi (W)= 874,21
Pm (W)= 1035,95

Last Minute Comment:

Test engineer:

Jakob Drobníč

At orifice 0 measured after 30 seconds

Maximum measured values:

Input power= 1251,65 W Air power= 434,44 W Vacuum= 24,56 kPa Air flow= 61,23 dm^3/s Efficiency= 36,13 %

