

# 463.3.404-13

## Vacuum cleaner motor performance

# DOMEL®

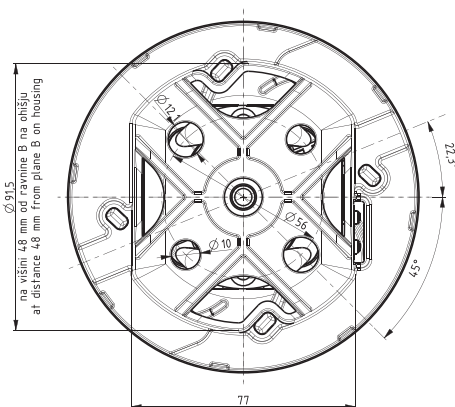
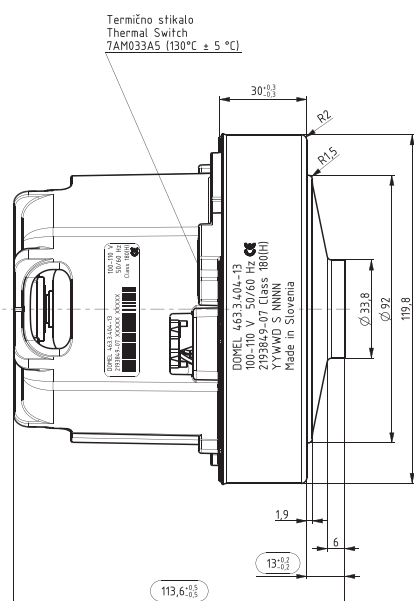
Vacuum cleaner motors with high efficiency 463.3.404-13 / 1200W / 100-110V / 50/60Hz are used for dry aspiration. Technical data and dimensions are given in the table. Vacuum cleaner motors consist of universal commutator motor and single fan stage. The rotor is supported with two ball bearings enabling vertical or horizontal installation of motor. The motor is designed for insulation class 180 (H) and constructed according to EN 60335-1.

### Technical data:

Normal operation:	$P_m$	$\geq$	1250	W
Vacuum:	$P_{max}$	$\geq$	24,9 99,9	kPa in H <sub>2</sub> O
Air Flow at $\phi 50$ :	$Q_{\phi 50}$	$\geq$	47 101	dm <sup>3</sup> /s CFM
Air Power:	$P_{2max}$	$\geq$	490	W
Efficiency:	$\eta_{max}$	$\geq$	41	%
Mass:	$m$	$=$	1,19	kg

Voltage:	100 - 110 V
Frequency:	50 / 60 Hz
Nominal Power:	1200 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 <sup>-1</sup>	kPa	in H <sub>2</sub> O	dm <sup>3</sup> /s	CFM	W	%
50	2	13,52	1318	42132	1,1	4,0	50,2	106,6	56	4,2
40	1 1/2	13,46	1308	42186	2,6	13,6	48,8	101,6	125	9,5
30	1 1/8	13,27	1290	42615	6,8	32,8	44,3	90,2	302	23,2
23	7/8	12,71	1247	43483	13,4	57,4	35,9	72,8	481	38,5
19	3/4	12,05	1180	45050	18,0	72,1	28,1	59,7	506	42,6
16	5/8	11,32	1113	46867	21,4	86,4	21,6	45,1	462	41,3
13	1/2	10,29	1023	48588	23,3	93,8	14,8	30,1	346	33,9
10	3/8	9,56	942	51196	23,7	95,7	8,9	17,4	211	22,2
6	1/4	8,67	568	53665	24,7	99,2	3,9	8,0	96	11,1
0	0	8,16	544	55616	26,2	105,2	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.