

## Karakteristika sesalne enote po IEC 60312 Vacuum Cleaner Motor Performance in Accordance with IEC 60312

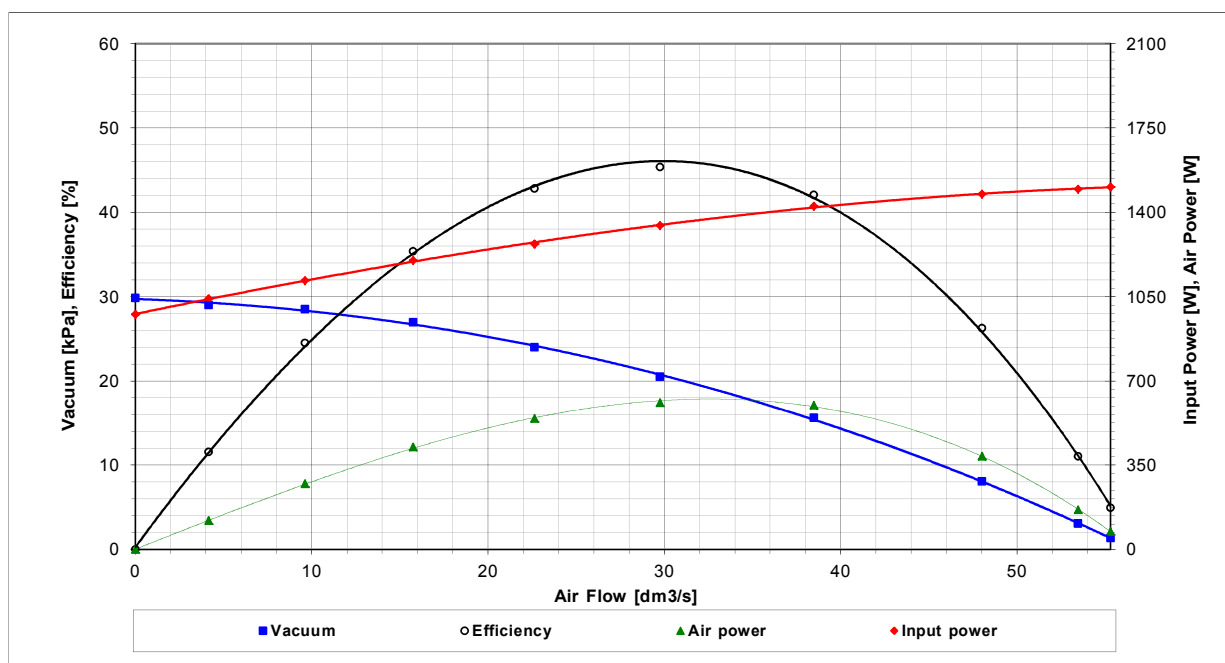
<b>Oznake / Marking</b>	
Napetost / Voltage: 120 [V]	Nazivna moč / Nominal power: 1450 [W]
Frekvenca / Frequency: 60 [Hz]	

Napetost	Premer odprtine	Tok	Vhodna moč	Vrtilna frekvenca	Podtlak	Pretok	Zračna moč	Izkoristek
Voltage	Orifice	Current	Input Power	Speed	Vacuum	Air Flow	Air Power	Efficiency
[V/Hz]	[mm]	[A]	[W]	[1/min]	[kPa]	[dm <sup>3</sup> /s]	[W]	[%]
120/60	50	12,75	1505,76	39665	1,35	55,29	74,42	4,94
120/60	40	12,68	1497,27	39770	3,09	53,44	165,29	11,04
120/60	30	12,50	1476,86	40182	8,08	48,01	388,09	26,27
120/60	23	12,05	1426,58	41456	15,61	38,47	600,59	42,10
120/60	19	11,35	1345,75	43034	20,53	29,74	610,62	45,37
120/60	16	10,68	1269,28	44753	24,02	22,64	543,86	42,84
120/60	13	10,08	1200,73	47027	26,98	15,76	425,16	35,41
120/60	10	9,37	1117,97	49708	28,53	9,61	274,05	24,51
120/60	6,5	8,71	1041,95	52926	29,02	4,15	120,38	11,55
120/60	0	8,15	976,76	56409	29,84	0,00	0,00	0,00

\*\* Zahteve kupca / Customer Demands; ° Pomerjeno po 20s / Measured after 20 seconds

### Mejne vrednosti / Guaranteed values

Maksimalna moč / Maximal power:	$P_{1max}$ [W]	=	1500	±	80
Srednja moč / Mean power:	$P_{mmin}$ [W]	≥	1180		
Podtlak / Vacuum:	$p_{max}$ [kPa]	=	29,8	±	1,5
Pretok pri $\phi$ 50 / Air Flow at $\phi$ 50:	$Q_{450}$ [dm <sup>3</sup> /s]	=	55	±	3
Zračna moč / Air Power:	$P_{2max}$ [W]	=	610	±	30
Izkoristek / Efficiency:	$\eta_{max}$ [%]	=	45	±	2
Masa / Mass:	$m$ [kg]	=	1,28		



				datum	ime	naziv <b>KARAKTERISTIKA SESALNE ENOTE                  VACUUM CLEANER MOTOR PERFORMANCE</b>
				izdelal	G. Lahajnar	
				pregledal	B. Benedičič	
<b>DOMEL®</b>				koda		<b>KA 463.3.606-2</b>
A0	10656	27.02.2013	G. Lahajnar	Otoki 21, 4228 Železniki, Slovenija		list 5
ozn.	št. obvestila	datum	ime	pripadnost		stran 1+
				namesto		

## Karakteristika sesalne enote preračunana v imperialne enote in v zaslonke po ASTM Vacuum Cleaner Motor Performance Calculated to Imperial Units & ASTM Orifices

### Oznake / Marking

Napetost / Voltage: 120 [V]	Nazivna moč / Nominal power: 1450 [W]
Frekvenco / Frequency: 60 [Hz]	

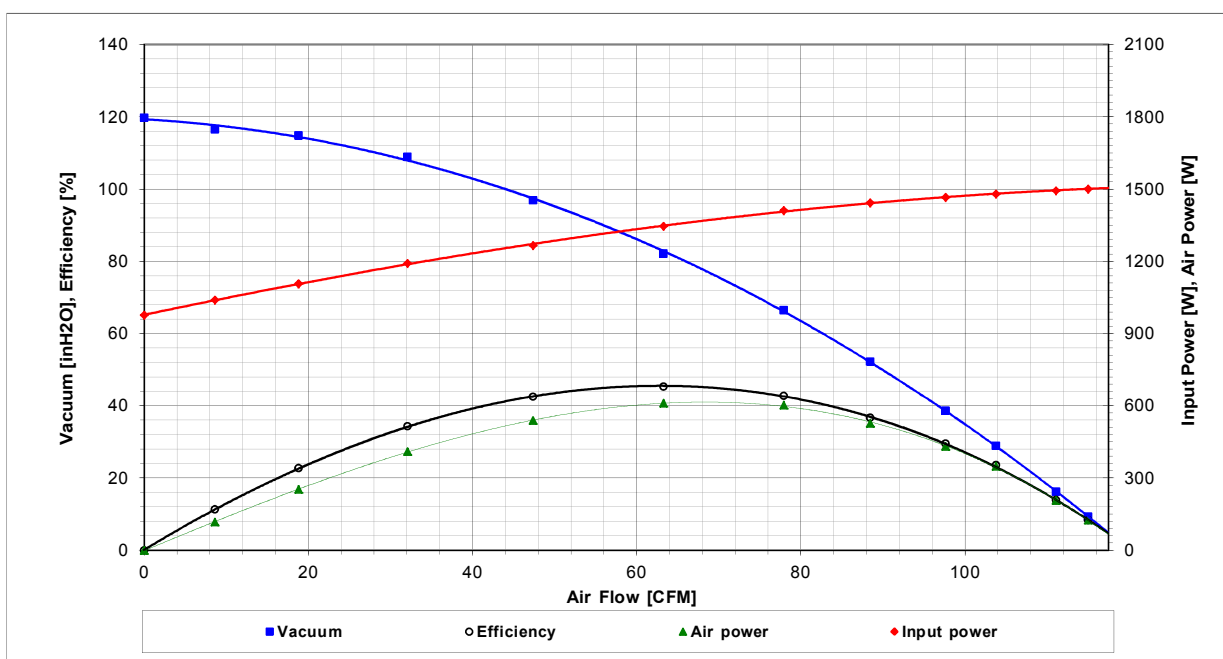
Note for units conversion: 1 inH<sub>2</sub>O = 0.2490889 kPa, 1 CFM = 0.4719474 l/s, 1 in = 25.4 mm (NIST Special Publication 811,1995). Calculated to ASTM F588-03 orifice diameters from measured data according to IEC 60312 with use of spline interpolation.

Napetost	Premer odprtine	Tok	Vhodna moč	Vrtilna frekvenca	Podtlak	Pretok	Zračna moč	Izkoristek
Voltage	Orifice	Current	Input Power	Speed	Vacuum	Air Flow	Air Power	Efficiency
[V/Hz]	[in]	[A]	[W]	[1/min]	[inH <sub>2</sub> O]	[CFM]	[W]	[%]
120/60	2,000	12,75	1506,44	39656	4,84	117,46	67,15	4,45
120/60	1,750	12,71	1501,05	39723	9,29	114,98	124,85	8,32
120/60	1,500	12,64	1493,39	39848	16,22	111,06	207,62	13,93
120/60	1,250	12,53	1480,43	40110	28,94	103,75	349,10	23,61
120/60	1,125	12,41	1466,62	40441	38,60	97,62	431,35	29,49
120/60	1,000	12,20	1443,82	41019	52,31	88,44	527,74	36,67
120/60	0,875	11,91	1410,92	41762	66,49	77,93	602,53	42,73
120/60	0,750	11,36	1346,76	43015	82,17	63,25	610,50	45,33
120/60	0,625	10,66	1266,42	44848	96,93	47,36	538,91	42,53
120/60	0,500	10,01	1192,46	47295	108,92	32,09	410,05	34,32
120/60	0,375	9,28	1107,65	50145	114,80	18,78	253,19	22,76
120/60	0,250	8,70	1040,44	53006	116,58	8,59	117,60	11,29
120/60	0,000	8,15	976,76	56409	119,78	0,00	0,00	0,00

\*\* Zahteve kupca / Customer Demands; ° Pomerjeno po 20s / Measured after 20 seconds

### Mejne vrednosti / Guaranteed values

Maksimalna moč / Maximal power:	$P_{1max}$ [W]	=	1500	±	80
Srednja moč / Mean power:	$P_{mmin}$ [W]	≥	1180		
Podtlak / Vacuum:	$p_{max}$ [inH <sub>2</sub> O]	=	119,8	±	6,0
Pretok pri $\phi$ 1,968 / Air Flow at $\phi$ 1,968:	$Q_{\phi 1.968}$ [CFM]	=	117	±	6
Zračna moč / Air Power:	$P_{2max}$ [W]	=	610	±	30
Izkoristek / Efficiency:	$\eta_{max}$ [%]	=	45	±	2
Masa / Mass:	$m$ [kg]	=	1,28		



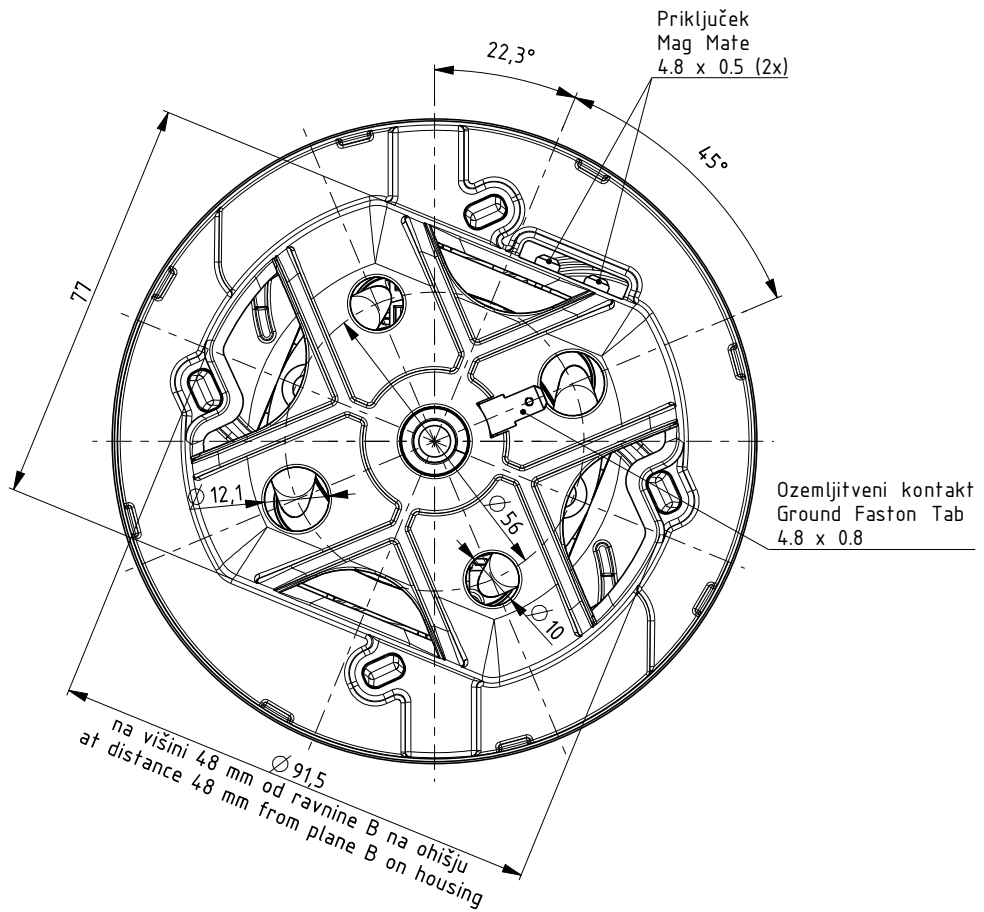
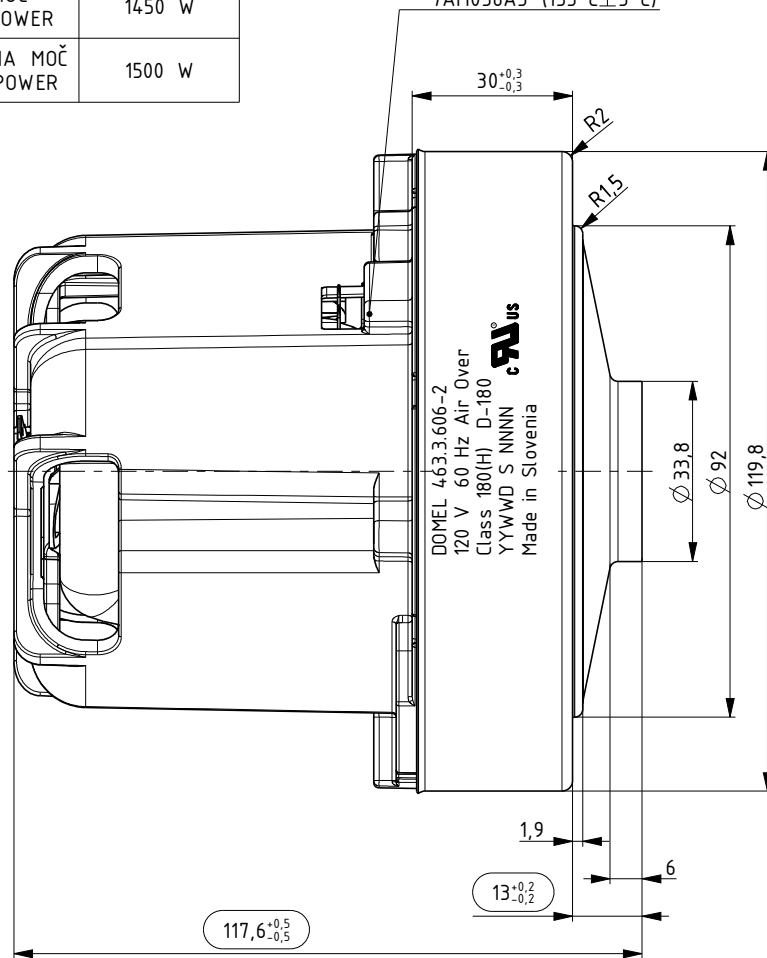
				datum	ime	KARAKTERISTIKA SESALNE ENOTE VACUUM CLEANER MOTOR PERFORMANCE	
			izdelal	27.02.2013	G. Lahajnar		
			pregledal	27.02.2013	B. Benedičič		
<b>DOMEL®</b>						koda	<b>KA 463.3.606-2</b>
A0	10656	27.02.2013	G. Lahajnar			list 5	
ozn.	št. obvestila	datum	ime	Otoki 21, 4228 Železniki, Slovenija		stran 2	
						pripadnost	namesto

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NAPETOST VOLTAGE	120 V
FREKVENCA FREQUENCY	60 Hz
NAZIVNA MOČ NOMINAL POWER	1450 W
MAKSIMALNA MOČ MAXIMAL POWER	1500 W

Po UL predpisih  
In accordance with UL

Temperaturno stikalo  
Thermal switch  
7AM038A5 (155°C ± 5°C)



○, \* - pomembna mera  
important dimension

OSNOVNE ZNAČILNOSTI		TYPICAL CHARACTERISTICS	
IZVEDBA	ENOSTOPENJSKA	FAN SYSTEM	SINGLE STAGE
ULEŽAJENJE	DVA KROGLIČNA LEŽAJA	BEARINGS	DUAL BALL
VRSTA PRETOKA	SKOZI MOTOR	DISCHARGE	THRU FLOW
SMER VRTENJA	DESNA	DIRECTION OF ROTATION	CW

Tolerance odprtih mer Tolerances without individual indications		Povrinska hrapavost Surface finishing		Merilo Scale	1:1	Original format ISO 5457 - A3
ISO 2768 - m				Gradivo / Material		
Datum/Date		Ime/Name		Naziv Title		
Izdelal Designed		17.01.13 D. Vrhunc		SESALNA ENOTA VACUUM CLEANER MOTOR		
Preglj. Verified		01.03.13 J. Rihtaršič		Koda Code		
				463.3.606-2		
A0 10656 01.03.13 D. Vrhunc		DOMEL®		List Sheet 3+		
Ozn. Mark		Iš. obvestila Nr. of notice		Datum Date		Ime Name
				07okli 21, 4228 @elezniki, Slovenija		Stran Page 1
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