



VACUUM CLEANER MOTOR PERFORMANCE  
CALCULATED FROM METRIC UNITS TO ASTM

Otoki 21, 4228 Zelezniki, Slovenia

Code: **496.3.446**

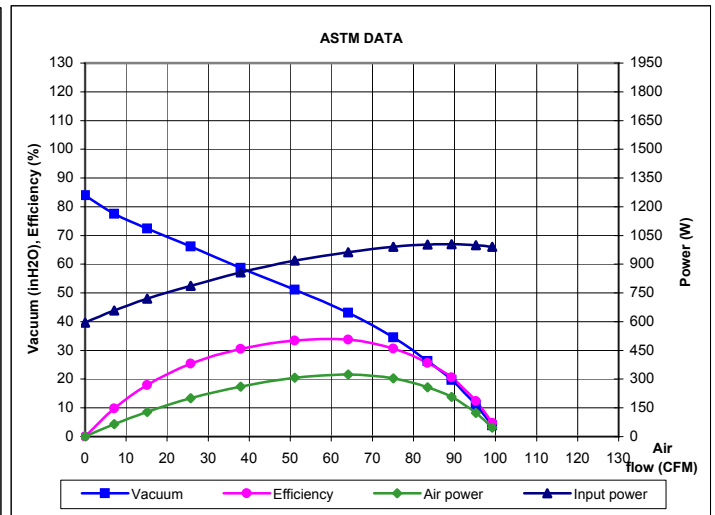
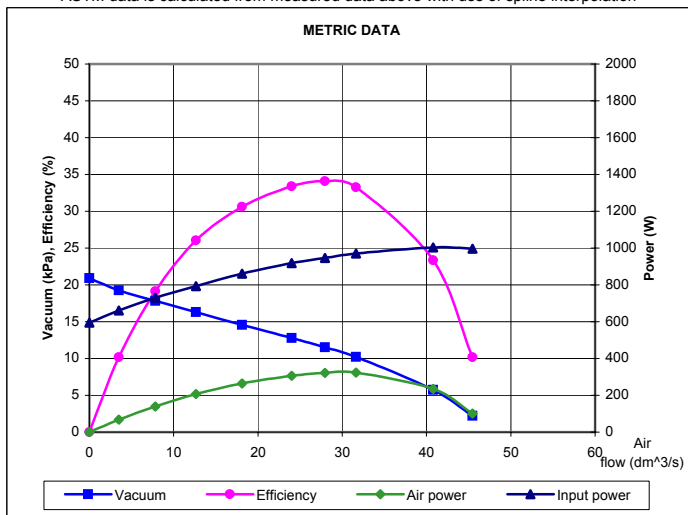
Voltage:	120 V	Frequency :	50/60 Hz
Middle Power:	>= 770 W	Nominal Power:	850 W
Max. Vacuum:	>= 20 kPa >= 80,29 in. H2O		
Max. Air flow:	>= 47 dm <sup>3</sup> /s >= 99,59 CFM		
Max. Air Power:	>= 300 W		
Max. Efficiency:	>= 32 %		
Mass:	= 2,1 kg		

METRIC	Orifice mm	Current A	Input Pow. W	Speed /min	Vacuum kPa	Air flow dm <sup>3</sup> /s	Air Power W	Efficiency %	Vac (inH <sub>2</sub> O)	Flow (CFM)	ASTM
	40	8,90	996,56	18208	2,23	45,47	101,30	10,16	8,95	96,35	
	30	8,96	1004,13	18157	5,75	40,77	234,29	23,33	23,08	86,39	
	23	8,65	971,02	18489	10,22	31,62	323,03	33,27	41,03	67,00	
	21	8,42	946,42	18748	11,54	27,94	322,46	34,07	46,33	59,20	
	19	8,15	919,05	19049	12,78	24,01	306,85	33,39	51,31	50,87	
	16	7,59	860,79	19695	14,55	18,12	263,65	30,63	58,41	38,39	
	13	6,95	793,14	20485	16,32	12,65	206,44	26,03	65,52	26,80	
	10	6,35	729,82	21450	17,83	7,84	139,76	19,15	71,58	16,61	
	6,5	5,70	660,09	22695	19,27	3,48	67,03	10,16	77,36	7,37	
	0	5,09	594,12	24025	20,92	0,00	0,00	0,00	83,99	0,00	

Note: ASTM performance data are calculated from the Metric data above, 1 inH<sub>2</sub>O = 0,2490889 kPa, 1 CFM = 0,4719474 l/s (NIST Special Publication 811,1995)

ASTM	Orifice in	Current A	Input Power W	Speed RPM	Vacuum inH <sub>2</sub> O	Air Flow CFM	Air Power W	Efficiency %	Orifice mm	DATA
	2,000								50,80	
	1,750	8,8	990	18254	3,9	99,2	46,6	4,8	44,45	
	1,500	8,9	999	18186	11,0	95,2	124,3	12,4	38,10	
	1,250	9,0	1005	18149	19,7	89,3	207,7	20,7	31,75	
	1,125	8,9	1002	18174	26,3	83,5	257,2	25,7	28,58	
	1,000	8,8	991	18287	34,5	75,1	303,5	30,6	25,40	
	0,875	8,6	962	18583	43,1	64,1	324,7	33,8	22,23	
	0,750	8,2	920	19040	51,2	51,1	307,4	33,4	19,05	
	0,625	7,6	858	19725	58,7	37,9	261,5	30,5	15,88	
	0,500	6,9	787	20573	66,2	25,7	200,1	25,4	12,70	
	0,375	6,3	720	21622	72,5	15,2	129,0	17,9	9,53	
**	0,250	5,7	658	22741	77,6	7,1	64,5	9,8	6,35	
	0,000	5,1	594	24025	84,0	0,0	0,0	0,0	0,00	

\*\* ASTM data is calculated from measured data above with use of spline interpolation



Measured in accordance with: IEC 60312

Converted to ASTM by:  
Defined by:

Jure Pfajfar  
Roman Prezelj

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