



# VACUUM CLEANER MOTOR PERFORMANCE CALCULATED FROM METRIC UNITS TO ASTM

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**Code: 492.3.580-2**

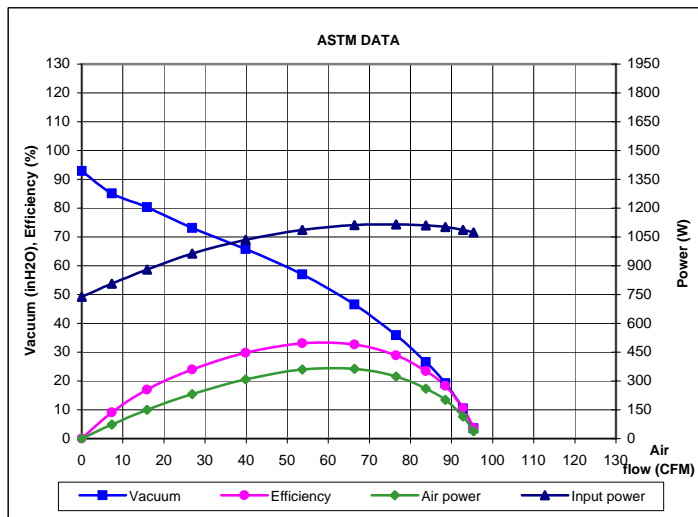
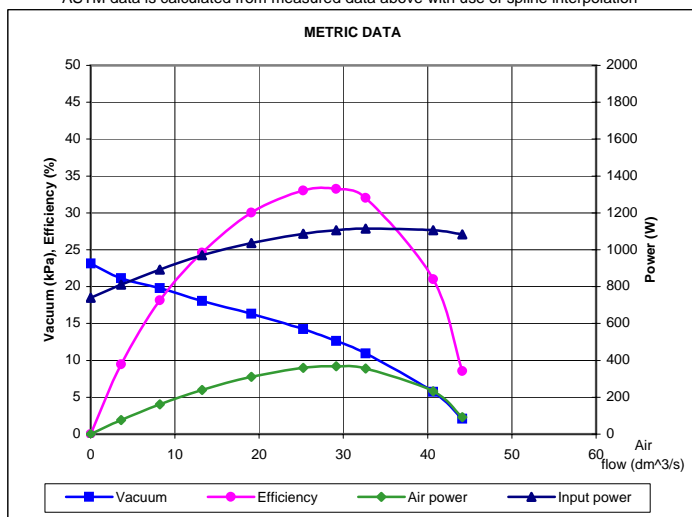
Voltage:	240 V	Frequency :	50/60 Hz
Middle Power:	>= 850 W	Nominal Power:	1000 W
Max. Vacuum:	>= 22 kPa >= 88,32 in. H2O		
Max. Air flow:	>= 45 dm <sup>3</sup> /s >= 95,35 CFM		
Max. Air Power:	>= 340 W		
Max. Efficiency:	>= 32 %		
Mass:	= 2,28 kg		

METRIC	Orifice mm	Current A	Input Pow. W	Speed /min	Vacuum kPa	Air flow dm <sup>3</sup> /s	Air Power W	Efficiency %	Vac (inH2O)	Flow (CFM)	ASTM
	40	4,77	1082,58	20636	2,10	44,11	92,42	8,54	8,43	93,46	
	30	4,88	1105,63	20418	5,72	40,65	232,27	21,01	22,96	86,13	
	23	4,91	1113,81	20291	10,93	32,63	356,52	32,01	43,88	69,14	
	21	4,88	1105,82	20418	12,62	29,13	367,78	33,26	50,66	61,72	
	19	4,79	1085,99	20544	14,23	25,23	358,90	33,05	57,13	53,46	
	16	4,56	1037,29	21023	16,31	19,09	311,38	30,02	65,48	40,45	
	13	4,25	971,18	21711	18,04	13,24	238,87	24,60	72,42	28,05	
	10	3,89	893,22	22678	19,77	8,21	162,25	18,16	79,37	17,40	
	6,5	3,51	810,11	23826	21,15	3,62	76,66	9,46	84,91	7,67	
	0	3,18	739,12	24928	23,15	0,00	0,00	0,00	92,94	0,00	

Note: ASTM performance data are calculated from the Metric data above, 1 inH2O = 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 inH2O	Air Flow CFM	Air Power W	Efficiency %	Orifice mm	ASTM
	2,000								50,80	
	1,750	4,7	1073	20697	3,5	95,3	39,1	3,7	44,45	
	1,500	4,8	1087	20613	10,4	92,8	114,4	10,5	38,10	
	1,250	4,9	1101	20482	19,3	88,4	201,2	18,3	31,75	
	1,125	4,9	1109	20355	26,5	83,7	260,4	23,5	28,58	
	1,000	4,9	1115	20251	35,9	76,5	322,5	28,9	25,40	
	0,875	4,9	1112	20337	46,5	66,4	363,1	32,7	22,23	
	0,750	4,8	1087	20539	57,0	53,7	359,4	33,1	19,05	
	0,625	4,5	1035	21048	65,8	39,9	308,7	29,8	15,88	
	0,500	4,2	964	21796	73,1	26,9	231,2	24,0	12,70	
	0,375	3,8	881	22844	80,3	15,9	149,8	17,0	9,53	
**	0,250	3,5	807	23867	85,1	7,4	73,7	9,1	6,35	
	0,000	3,2	739	24928	92,9	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:

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Datum: 12-mar-2003