



VACUUM CLEANER MOTOR PERFORMANCE CALCULATED FROM METRIC UNITS TO ASTM

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Code: 492.3.314-3

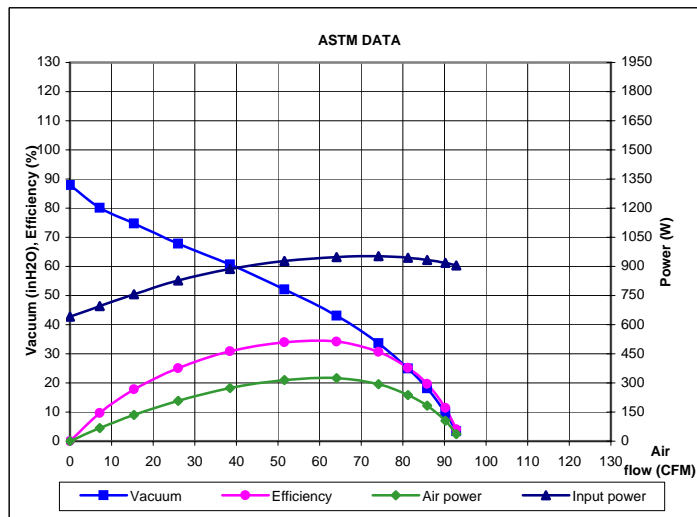
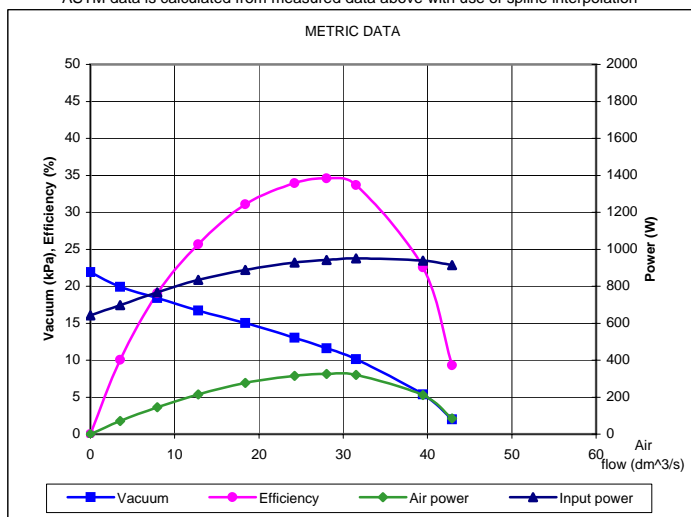
Voltage:	120 V	Frequency :	60 Hz
Mean Power: >=	750 W	Nominal Power:	850 W
Vacuum: >=	20,8 kPa >=	83,50 in. H2O	Controlled conditions: 120 V / 50 Hz
Air flow: >=	44 dm ³ /s >=	93,23 CFM	
Air Power: >=	310 W		
Efficiency: >=	33 %		
Mass: =	2,04 kg		

METRIC	Orifice mm	Current A	Input Pow. W	Speed /min	Vacuum kPa	Air flow dm ³ /s	Air Power W	Efficiency %	Vac (inH ₂ O)	Flow (CFM)
	40	7,95	914,03	20006	1,98	42,90	84,91	9,29	7,95	90,90
	30	8,16	939,34	19725	5,37	39,45	211,88	22,56	21,56	83,59
	23	8,28	950,93	19579	10,15	31,53	320,13	33,66	40,75	66,81
	21	8,20	941,17	19681	11,61	28,02	325,43	34,58	46,61	59,37
	19	8,08	927,64	19847	13,01	24,21	314,97	33,95	52,23	51,30
	16	7,72	888,36	20333	15,02	18,39	276,24	31,10	60,30	38,97
	13	7,22	834,00	21021	16,73	12,80	214,03	25,66	67,16	27,12
	10	6,63	767,65	21939	18,39	7,95	146,22	19,05	73,83	16,85
	6,5	6,00	698,49	23059	19,90	3,53	70,20	10,05	79,89	7,48
	0	5,48	641,74	24098	21,89	0,00	0,00	0,00	87,88	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 inH ₂ O	Air Flow CFM	Air Power W	Efficiency %	Orifice mm
	2,000								50,80
	1,750	7,9	905	20109	3,4	92,8	36,6	4,1	44,45
	1,500	8,0	918	19964	9,8	90,2	104,8	11,4	38,10
	1,250	8,1	934	19791	18,1	85,9	183,6	19,7	31,75
	1,125	8,2	945	19665	24,9	81,2	237,6	25,1	28,58
	1,000	8,3	953	19563	33,6	74,1	292,9	30,7	25,40
	0,875	8,3	948	19611	43,0	64,0	324,2	34,2	22,23
	0,750	8,1	928	19841	52,1	51,5	315,4	34,0	19,05
	0,625	7,7	886	20358	60,6	38,5	274,0	30,9	15,88
	0,500	7,2	828	21103	67,8	26,0	207,3	25,0	12,70
	0,375	6,5	757	22099	74,8	15,4	135,2	17,8	9,53
**	0,250	6,0	696	23099	80,1	7,2	67,5	9,7	6,35
	0,000	5,5	642	24098	87,9	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:

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Datum: 8-jun-2005

Produced by:

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