



VACUUM CLEANER MOTOR PERFORMANCE CALCULATED FROM METRIC UNITS TO ASTM

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Code: 491.3.708

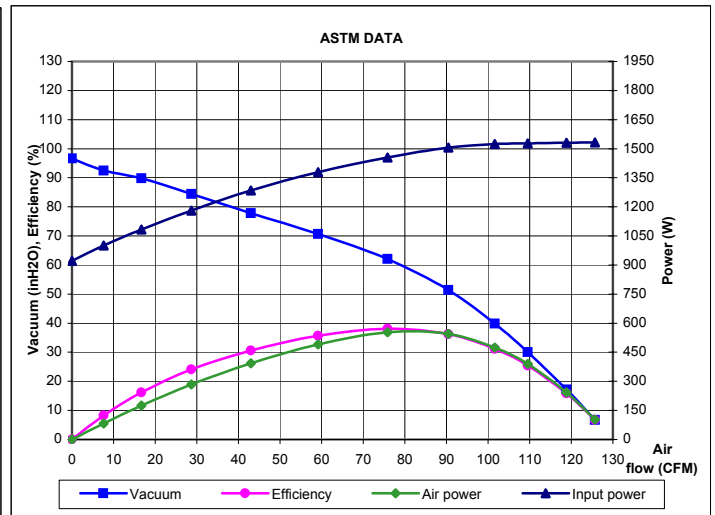
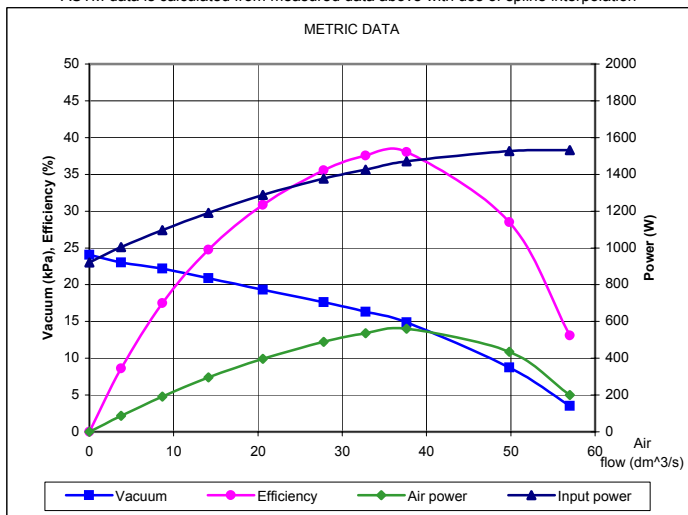
Voltage:	240 V	Frequency :	50 Hz
Mean Power: >=	1160 W	Nominal Power:	1350 W
Vacuum: >=	22,9 kPa >=		91,94 in. H2O
Air flow: >=	59 dm ³ /s >=		125,01 CFM
Air Power: >=	520 W		
Efficiency: >=	36 %		
Mass: =	2,64 kg		

M E T R I C	Orifice mm	Current A	Input Pow. W	Speed /min	Vacuum kPa	Air flow dm ³ /s	Air Power W	Efficiency %	Vac (inH2O)	Flow (CFM)	M E A S U R E D D A T A
	40	6,78	1531,48	20554	3,53	57,00	200,95	13,12	14,17	120,78	
	30	6,76	1526,04	20549	8,73	49,82	435,05	28,51	35,05	105,56	
	23	6,50	1471,10	20877	14,87	37,64	559,81	38,05	59,70	79,75	
	21	6,29	1424,80	21192	16,33	32,77	535,29	37,57	65,56	69,44	
	19	6,07	1376,94	21567	17,62	27,79	489,57	35,56	70,74	58,88	
	16	5,66	1287,92	22243	19,31	20,59	397,50	30,86	77,52	43,63	
	13	5,21	1190,82	23140	20,89	14,13	295,11	24,78	83,87	29,94	
	10	4,77	1096,98	24050	22,21	8,64	191,79	17,48	89,16	18,31	
	6,5	4,34	1003,76	25050	23,01	3,76	86,51	8,62	92,38	7,97	
	0	3,96	920,99	26128	24,08	0,00	0,00	0,00	96,67	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)

A S T M	Orifice in	Current A	Input Power W	Speed RPM	Vacuum inH2O	Air Flow CFM	Air Power W	Efficiency %	Orifice mm	C A L C U L A T E D
	2,000								50,80	
	1,750	6,8	1533	20563	6,8	125,7	103,1	6,7	44,45	
	1,500	6,8	1531	20550	17,2	118,8	242,2	15,8	38,10	
	1,250	6,8	1528	20545	30,0	109,6	389,4	25,5	31,75	
	1,125	6,7	1524	20557	39,8	101,6	473,8	31,1	28,58	
	1,000	6,7	1506	20654	51,4	90,5	544,7	36,2	25,40	
	0,875	6,4	1454	20988	62,1	75,9	553,8	38,1	22,23	
	0,750	6,1	1378	21557	70,6	59,1	490,9	35,6	19,05	
	0,625	5,6	1284	22277	77,8	43,0	393,3	30,6	15,88	
	0,500	5,2	1181	23232	84,5	28,7	284,7	24,1	12,70	
	0,375	4,7	1083	24194	89,8	16,7	175,8	16,2	9,53	
	0,250	4,3	1001	25086	92,5	7,6	83,0	8,3	6,35	
	0,000	4,0	921	26128	96,7	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:
Produced by:

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