



VACUUM CLEANER MOTOR PERFORMANCE CALCULATED FROM METRIC UNITS TO ASTM

Otoki 21, 4228 Zelezniki, Slovenia

Code: 491.3.752-3

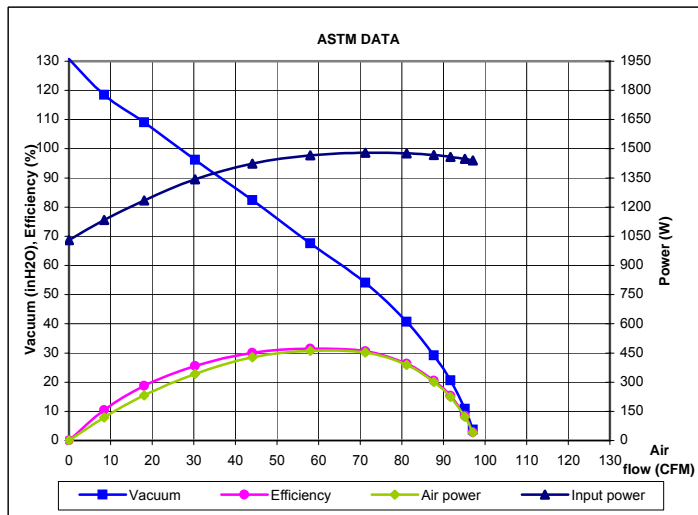
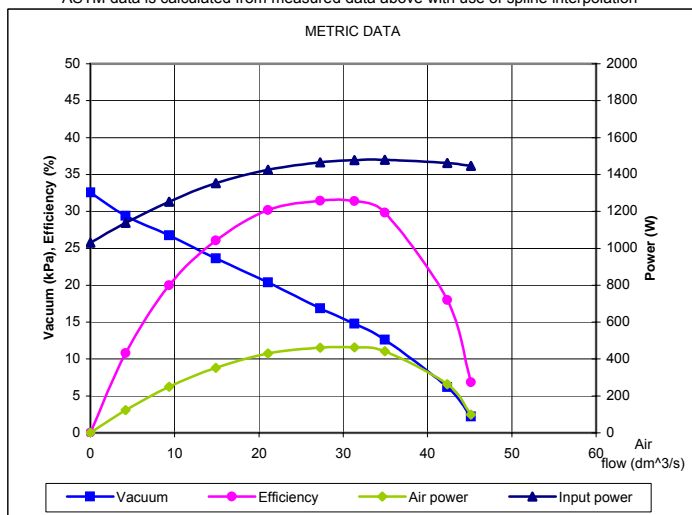
Voltage:	120 V	Frequency :	60 Hz
Mean Power: >=	1190 W	Nominal Power:	1400 W
Vacuum: >=	30,5 kPa	>=	122,45 in. H2O
Air flow at $\Phi 40$: >=	43 dm ³ /s	>=	91,11 CFM
Air Power: >=	438 W		
Efficiency: >=	30 %		
Mass: =	2,81 kg		

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 (inH ₂ O)	Flow (CFM)	M E A S U R E D D A T A
	40	12,85	1445,93	21135	2,20	45,16	99,21	6,86	8,83	95,69	
	30	13,00	1462,81	20973	6,22	42,35	263,43	18,01	24,97	89,73	
	23	13,17	1479,87	20784	12,64	34,93	441,53	29,84	50,74	74,01	
	21	13,15	1477,61	20801	14,80	31,34	463,95	31,40	59,42	66,41	
	19	13,04	1465,11	20899	16,89	27,27	460,58	31,44	67,81	57,78	
	16	12,67	1425,06	21315	20,39	21,08	429,92	30,17	81,86	44,67	
	13	11,97	1352,18	22103	23,65	14,90	352,53	26,07	94,95	31,57	
	10	11,02	1251,63	23272	26,74	9,35	250,07	19,98	107,35	19,81	
	6,5	9,98	1138,53	24863	29,42	4,17	122,71	10,78	118,11	8,84	
	0	8,98	1030,15	26466	32,56	0,00	0,00	0,00	130,72	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 inH ₂ O	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	12,8	1440	21182	3,7	97,1	41,5	2,9	44,45	
	1,500	12,9	1448	21117	10,9	95,2	122,5	8,5	38,10	
	1,250	13,0	1458	21020	20,6	91,7	223,3	15,3	31,75	
	1,125	13,0	1467	20926	29,2	87,7	301,3	20,5	28,58	
	1,000	13,1	1476	20824	40,7	81,2	388,9	26,3	25,40	
	0,875	13,2	1480	20784	54,1	71,2	453,2	30,6	22,23	
	0,750	13,0	1466	20895	67,6	58,0	460,8	31,4	19,05	
	0,625	12,6	1423	21340	82,4	44,1	427,6	30,1	15,88	
	0,500	11,9	1343	22203	96,2	30,3	343,1	25,5	12,70	
	0,375	10,9	1235	23490	109,1	18,1	232,2	18,8	9,53	
**	0,250	9,9	1135	24922	118,5	8,5	118,1	10,4	6,35	
	0,000	9,0	1030	26466	130,7	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:

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