Otoki 21, 4228 Zelezniki, Slovenia

VACUUM CLEANER MOTOR PERFORMANCE
CALCULATED FROM METRIC UNITS TO ASTM

Code: 491.3.732

Voltage:		230 V			Frequency :	50 Hz
Mean Power:	>=	1200 W			Nominal Power:	1400 W
Vacuum:	>=	26 kPa	>=	104,38 in. H2O		
Air flow:	>=	53 dm3/s	>=	112,30 CFM		
Air Power:	>=	500 W				
Efficiency:	>=	33 %				
Mass:	=	2,58 kg				

METRIC UNITS — MEASURED DATA

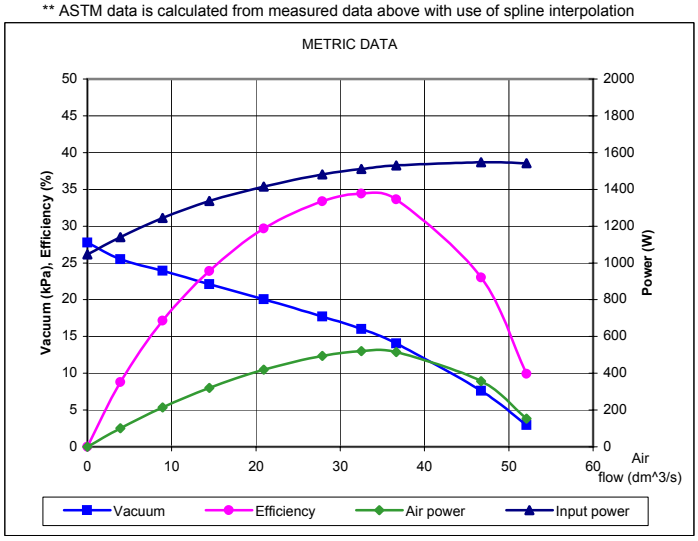
Orifice mm	Current A	Input Pow. W	Speed /min	Vacuum kPa	Air flow dm3/s	Air Power W	Efficiency %	Vac (inH2O)	Flow (CFM)
40	6,94	1541,92	22552	2,94	52,11	153,01	9,92	11,80	110,41
30	6,96	1547,30	22491	7,63	46,70	356,09	23,01	30,63	98,95
23	6,89	1530,54	22695	14,04	36,66	514,81	33,64	56,37	77,68
21	6,80	1511,70	22875	16,02	32,49	520,37	34,42	64,31	68,84
19	6,66	1481,80	23183	17,73	27,88	494,35	33,36	71,18	59,07
16	6,34	1415,74	23874	20,07	20,94	420,34	29,69	80,57	44,37
13	5,98	1337,34	24760	22,10	14,47	319,81	23,91	88,72	30,66
10	5,54	1244,82	25969	23,93	8,92	213,44	17,15	96,07	18,90
6,5	5,05	1139,56	27529	25,52	3,93	100,30	8,80	102,45	8,33
0	4,61	1045,52	29329	27,77	0,00	0,00	0,00	111,49	0,00

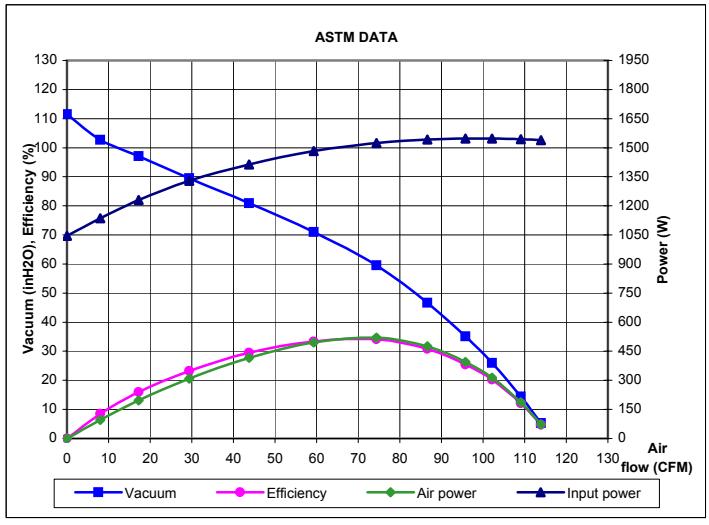
Note: ASTM performance data are calculated from the Metric data above, 1 inH2O = 0,2490889 kPa, 1 CFM = 0,4719474 l/s (NIST Special Publication 811,1995)

ASTM UNITS — **CALCULATED DATA**

Oriffice in	Current A	Input Power W	Speed RPM	Vacuum inH2O	Air Flow CFM	Air Power W	Efficiency %	Oriffice mm
2,000								50,80
1,750	6,9	1539	22598	5,3	113,9	72,8	4,8	44,45
1,500	6,9	1543	22531	14,4	109,1	186,4	12,1	38,10
1,250	7,0	1547	22488	26,0	102,1	313,0	20,2	31,75
1,125	7,0	1547	22501	35,1	95,8	394,3	25,5	28,58
1,000	6,9	1543	22571	46,7	86,6	475,3	30,8	25,40
0,875	6,9	1524	22753	59,5	74,4	520,6	34,2	22,23
0,750	6,7	1483	23174	71,0	59,3	495,3	33,4	19,05
0,625	6,3	1413	23907	80,9	43,8	416,6	29,5	15,88
0,500	5,9	1329	24866	89,5	29,4	309,2	23,3	12,70
0,375	5,5	1229	26185	97,1	17,2	196,7	16,0	9,53
** 0,250	5,0	1136	27588	102,7	8,0	96,4	8,5	6,35
0,000	4,6	1046	29329	111,5	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: Jure Pfajfar Datum: 23-feb-2005

Produced by: Roman Prezelj Datum: 24-sep-2004