

Zelezniki

Code: 491.3.414
 Voltage / fequency: 120/60 V/Hz
 Stator winding:
 Rotor winding:
 Brushes:
 Weight: 2290 g

Working order number:
 Request number:
 Number:
 Absolute pressure:
 Ambient temperature:
 Correction factor:

Orifice mm	Current A	Input Pow. W	Speed /min	Vacuum kPa	Air flow dm3/s	Air Power W	Efficiency %	Vac (inH2O)	Flow (CFM)
50	7,97	904,47	18680	1,00	47,84	48,10	5,32	4,01	101,37
40	7,97	904,71	18633	2,29	46,06	105,34	11,64	9,19	97,60
30	8,00	907,11	18577	5,63	40,37	227,47	25,08	22,60	85,54
23	7,95	902,58	18663	10,08	31,41	316,46	35,06	40,47	66,55
19	7,74	880,34	18984	12,69	23,93	303,68	34,50	50,95	50,70
16	7,42	848,01	19566	14,70	18,21	267,58	31,55	59,02	38,58
13	6,95	798,85	20437	16,73	12,80	214,17	26,81	67,16	27,12
10	6,48	748,44	21488	18,46	7,96	146,96	19,63	74,11	16,87
6,5	5,94	690,38	22821	19,83	3,52	69,90	10,13	79,61	7,46
0	5,52	644,58	24020	21,35	0,00	0,00	0,00	85,71	0,00

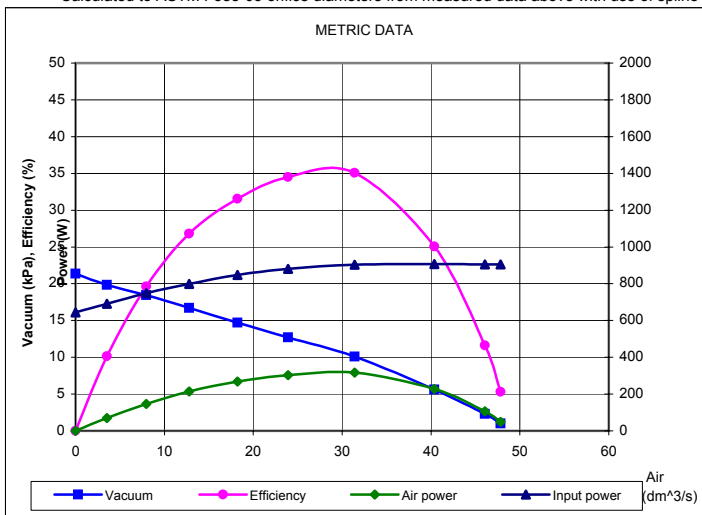
Maximum measured values:

Input power = 907,11 W, Air power = 316,46 W, Vacuum = 21,35 kPa = 85,71 inH2O, Air Flow * = 47,84 L/s = 101,37 CFM, Efficiency = 35,06 %

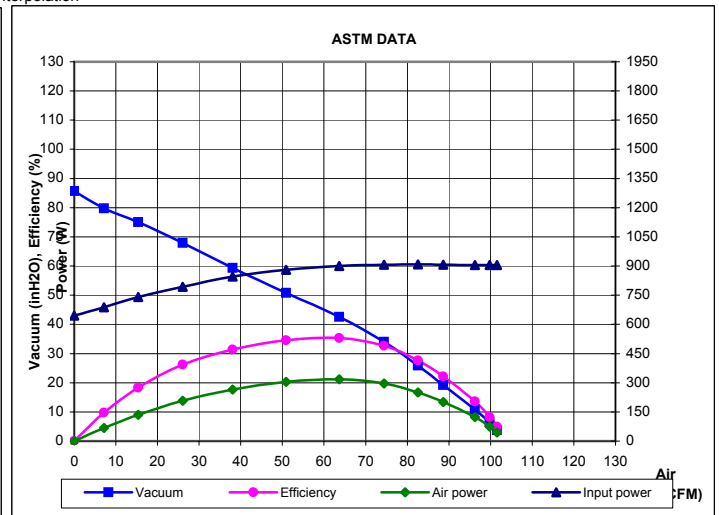
Note for units conversion: 1 inH2O = 0.2490889 kPa, 1 CFM = 0.4719474 l/s, 1 in = 25.4 mm (NIST Special Publication 811,1995)

Orifice in	Current A	Input Power W	Speed RPM	Vacuum inH2O	Air Flow CFM	Air Power W	Efficiency %	Orifice mm
2,000	7,9	904	18683	3,7	101,6	44,6	4,9	50,80
1,750	8,0	905	18656	6,4	99,8	74,8	8,3	44,45
1,500	8,0	905	18621	10,8	96,2	122,7	13,6	38,10
1,250	8,0	906	18584	19,2	88,7	200,7	22,2	31,75
1,125	8,0	908	18574	25,8	82,6	250,5	27,6	28,58
1,000	8,0	907	18597	34,0	74,4	296,9	32,7	25,40
0,875	7,9	900	18698	42,5	63,7	318,2	35,4	22,23
0,750	7,7	881	18977	50,8	50,9	304,1	34,5	19,05
0,625	7,4	846	19597	59,4	38,1	265,7	31,4	15,88
0,500	6,9	794	20534	67,9	26,0	207,9	26,2	12,70
0,375	6,4	740	21674	75,0	15,4	135,7	18,3	9,53
0,250	5,9	688	22869	79,8	7,2	67,2	9,8	6,35
0,000	5,5	645	24020	85,7	0,0	0,0	0,0	0,00

** Calculated to ASTM F588-03 orifice diameters from measured data above with use of spline interpolation



Measured in accordance with: IEC 60312



Measured by: Ivan Krmelj