

Zelezniki

Code: 491.3.720
 Voltage / fequency: 120/60 V/Hz
 Stator winding:
 Rotor winding:
 Brushes:
 Weight: 2620 g

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

M E T R I C	Orifice mm	Current A	Input Pow. W	Speed /min	Vacuum kPa	Air flow dm3/s	Air Power W	Efficiency %	Vac (inH2O)	Flow (CFM)	M E A S U R E D
	50	15,46	1801,53	23886	1,61	60,46	97,46	5,41	6,46	128,11	
	40	15,46	1801,14	23881	3,67	58,09	212,84	11,82	14,73	123,09	
	30	15,44	1798,51	23837	9,02	50,59	456,61	25,39	36,21	107,19	
	23	15,25	1776,83	24053	15,84	38,73	613,67	34,54	63,59	82,06	
	19	14,70	1716,53	24649	20,03	29,43	589,49	34,34	80,41	62,36	
	16	13,95	1633,24	25393	22,99	22,22	510,70	31,27	92,30	47,08	
	13	13,05	1532,98	26524	25,63	15,42	395,29	25,78	102,89	32,67	
	10	12,07	1422,99	27916	27,80	9,50	264,25	18,57	111,61	20,13	
	6,5	10,96	1298,78	29591	29,34	4,17	122,26	9,41	117,79	8,84	
	0	10,12	1203,83	31381	30,81	0,00	0,00	0,00	123,69	0,00	

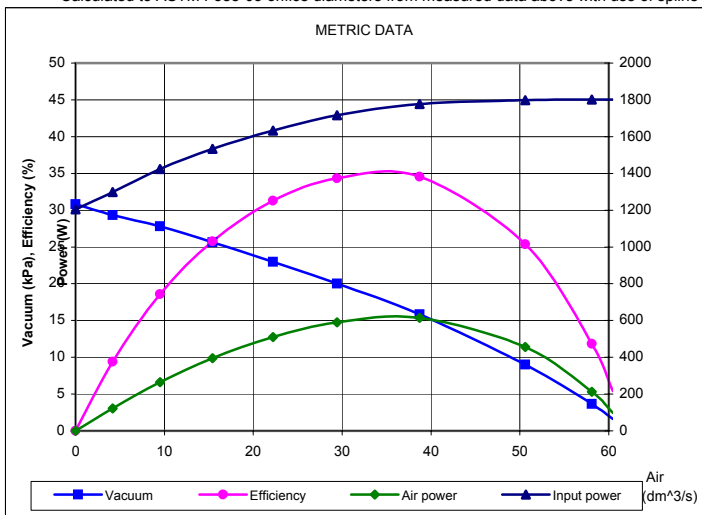
Maximum measured values:

Input power = 1801,53 W, Air power = 613,67 W, Vacuum = 30,81 kPa = 123,69 inH2O, Air Flow * = 60,46 L/s = 128,11 CFM, Efficiency = 34,54 %

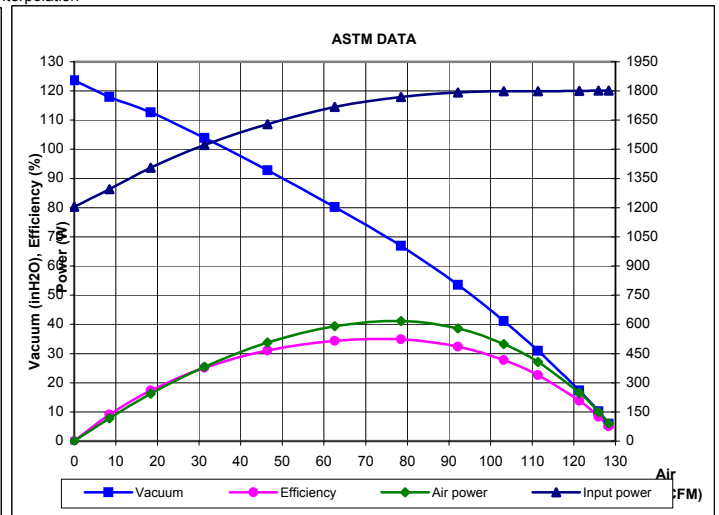
Note for units conversion: 1 inH2O = 0.2490889 kPa, 1 CFM = 0.4719474 l/s, 1 in = 25.4 mm (NIST Special Publication 811,1995)

I M P E R I A L	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	15,5	1802	23885	6,0	128,4	90,6	5,0	50,80	
	1,750	15,5	1802	23888	10,2	125,9	150,1	8,3	44,45	
	1,500	15,5	1801	23874	17,4	121,3	249,2	13,8	38,10	
	1,250	15,4	1799	23844	30,9	111,4	406,5	22,6	31,75	
	1,125	15,4	1798	23835	41,1	103,2	498,3	27,7	28,58	
	1,000	15,4	1792	23893	53,5	92,2	579,5	32,3	25,40	
	0,875	15,2	1769	24136	66,9	78,5	617,0	34,9	22,23	
	0,750	14,7	1718	24639	80,2	62,6	590,4	34,4	19,05	
	0,625	13,9	1629	25432	92,8	46,5	506,5	31,1	15,88	
	0,500	13,0	1522	26654	103,9	31,3	382,6	25,1	12,70	
	0,375	11,9	1405	28153	112,7	18,3	243,2	17,3	9,53	
	0,250	10,9	1295	29652	118,0	8,5	117,4	9,1	6,35	
**	0,000	10,1	1204	31381	123,7	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