

Zelezniki

Code: 492.3.852
Voltage / fequency: 120/60 V/Hz
Stator winding:
Rotor winding:
Brushes:
Weight: 2810 g

Working order number:
Request number:
Number:
Absolute pressure: kPa
Ambient temperature: °C
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
	40	12,08	1374,45	20667	2,18	45,02	98,26	7,15	8,75	95,39	
	30	12,38	1405,25	20455	6,18	42,21	260,76	18,56	24,81	89,44	
	23	12,77	1447,22	20201	12,57	34,83	437,80	30,25	50,46	73,80	
	21	12,78	1449,29	20186	14,84	31,37	465,51	32,12	59,58	66,47	
	19	12,69	1438,58	20264	17,01	27,36	465,24	32,34	68,29	57,97	
	16	12,22	1388,20	20601	20,19	21,00	423,82	30,53	81,06	44,50	
	13	11,40	1300,20	21248	22,89	14,70	336,42	25,87	91,89	31,15	
	10	10,35	1188,41	22182	25,31	9,13	231,25	19,46	101,61	19,35	
	6,5	9,26	1070,22	23285	27,34	4,05	110,63	10,34	109,76	8,58	
	0	8,22	957,09	24611	29,96	0,00	0,00	0,00	120,28	0,00	

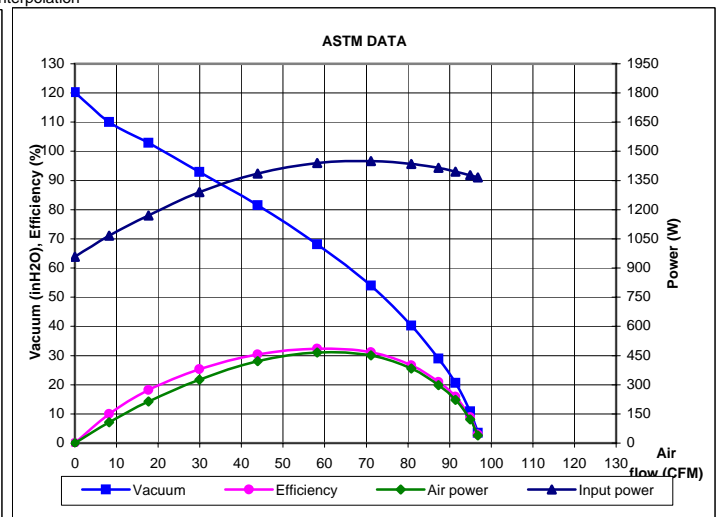
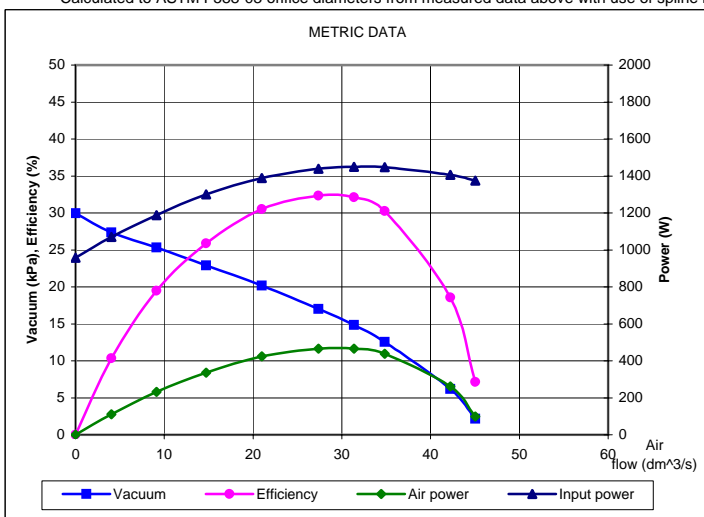
Maximum measured values:

Input power = 1449,29 W, Air power = 465,51 W, Vacuum = 29,96 kPa = 120,28 inH2O, Air Flow = 45,02 L/s = 95,39 CFM, Efficiency = 32,34 %

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								50,80	
	1,750	12,0	1366	20735	3,5	96,8	40,1	2,9	44,45	
	1,500	12,1	1378	20640	10,8	94,9	121,9	8,9	38,10	
	1,250	12,3	1396	20511	20,6	91,4	221,9	15,9	31,75	
	1,125	12,5	1414	20400	29,0	87,3	297,2	21,0	28,58	
	1,000	12,7	1436	20273	40,3	80,8	382,8	26,6	25,40	
	0,875	12,8	1449	20187	54,0	71,1	451,3	31,1	22,23	
	0,750	12,7	1439	20261	68,1	58,2	465,5	32,3	19,05	
	0,625	12,2	1385	20621	81,5	43,9	421,0	30,4	15,88	
	0,500	11,3	1290	21331	92,9	29,9	326,3	25,3	12,70	
	0,375	10,2	1171	22340	102,9	17,7	213,8	18,3	9,53	
	0,250	9,2	1066	23326	110,0	8,2	106,4	10,0	6,35	
**	0,000	8,2	957	24611	120,3	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