

<b>CONTRACT NAME AND No:</b> <b>EMG Plot 9 2110</b>
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<b>DR No:</b> N/A	<b>Our Reference:</b> PMP-2110-TDS-003
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<b>Recipients:</b> Lyndon Hart, Darren Johnston, Robert Stevenson
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<b>Organisation:</b> Winvic
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<b>Information Supplied:</b> Technical Submission for Main Office Air WC Extract Fan
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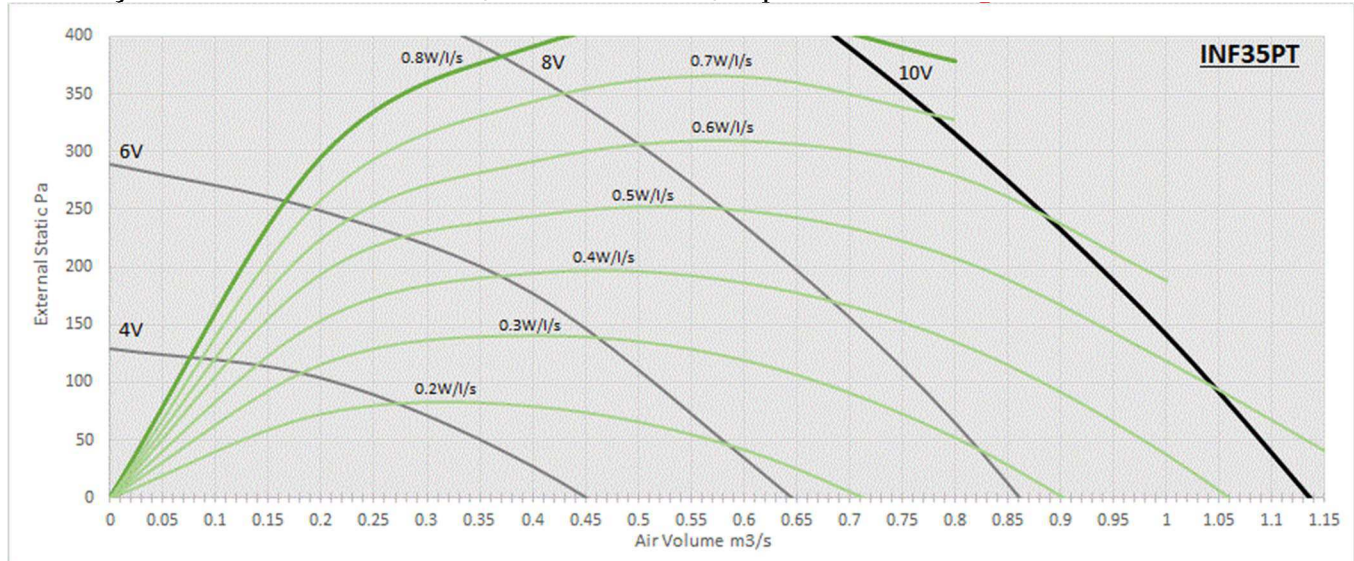
<b>Documents Attached:</b> Manufacturer literature Data Sheets Design calcs Drawings	<b>Version:</b> -\$
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<b>Date:</b> 05/07/2021 <b>Response By:</b> 15/07/2021 <b>Status:</b> For Comment
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<b>Received by:</b> <b>Date and Time:</b> <b>For Winvic</b>	<b>Returned by:</b> <b>Date and Time:</b> <b>Engineer/Architect/Client's Representative</b>

CC:  Site File     Site QS

Internally mounted Extract Twin Fan, Model INF35PT, to pass **0.493 m<sup>3</sup>/s @ 250 Pa**



**Unit Comprises:**

- ζ Extract Fan
  - o BC SISW direct driven impellers
  - o 450W single phase 2.9A FLC EC motors
  - o Fitted speed controller
  - o Motor pre-wired to external isolator
  - o Fitted auto-changeover panel
  - o BMS Fault and BMS enable
  - o SFP @ duty = **0.50 W/l/s**

The above is housed in a single skinned galvanized case c/w barrier mat lining.  
 Approx. dimensions: 950mm wide x 550mm high x 900mm long

Constant pressure kit CP/EC/CP (Optional - extra cost applies)

- ζ Fitted constant pressure controller
- ζ Pressure transducer supplied loose

450W 2.9A FLC 230V 1Ph										In Duct		Breakout @ 1m		Breakout @ 3m	
		63	125	250	500	1k	2k	4k	8k	dB	dB(A)	dB(A)	NR	dB(A)	NR
0.94m <sup>3</sup> /s @ 200Pa 10V	Inlet	66	70	74	70	65	64	65	53	78	73	47	45	38	35
	Outlet	71	75	79	75	70	70	70	58	83	78				
0.71m <sup>3</sup> /s @ 150Pa 8V	Inlet	62	66	68	64	58	57	57	43	72	66	41	39	32	28
	Outlet	67	71	73	69	63	62	62	48	77	71				
0.52m <sup>3</sup> /s @ 100Pa 6V	Inlet	57	62	62	57	51	50	48	34	66	59	36	32	26	22
	Outlet	62	67	67	62	56	55	53	39	71	64				
0.36m <sup>3</sup> /s @ 50Pa 4V	Inlet	50	55	53	48	43	41	37	21	59	51	27	23	18	12
	Outlet	55	60	58	53	48	46	42	26	64	56				