

<b>Regenesis Prototype Test Data</b>												
Test conducted on Trane XE 1000 heat pump with 1/3 HP 1.6A 3600rpm 60hz motor w/VFD. (original factory motor was 1/4 HP 1.9A 825rpm single speed. CFM @ 0.0 in.w.g. 3297)												
Test#1		Driving blade blue (B)	(from KOOLKING heat pump, rated 3237cfm @ 860rpm)									
		HZ	<u>12</u>	<u>13</u>	<u>14</u>	<u>15</u>	<u>16</u>	<u>17</u>	<u>18</u>	<u>19</u>	<u>20</u>	<u>21</u>
		RPM(B)	<u>576</u>	<u>617</u>	<u>653</u>	<u>692</u>	<u>724</u>	<u>757</u>	<u>788</u>	<u>817</u>	<u>842</u>	<u>866</u>
		WATTS(B)	<u>202</u>	<u>231</u>	<u>255</u>	<u>271</u>	<u>276</u>	<u>275</u>	<u>262</u>	<u>250</u>	<u>236</u>	<u>225</u>
		CFM(B)	<u>2258</u>	<u>2490</u>	<u>2860</u>	<u>2970</u>	<u>3075</u>	<u>3168</u>	<u>3265</u>	<u>3371</u>	<u>3479</u>	<u>3520</u>
Test#2		Recapture blade green (G) freespun	(mounted 1" above blue driving blade)									
		RPM(B)	580	620	655	693	725	757	785	810	831	851
Power(IN)		RPM(G)	344	372	398	425	448	472	490	508	525	536
		WATTS(B)	195	225	248	265	271	268	256	242	227	217
Test#3		Recapture blade green (G) under load										
		RPM(B)	577	618	654	690	722	751	777	805	826	846
Power(OUT)		RPM(G)	237	260	285	310	279	300	329	330	344	364
		WATTS(B)	191	221	243	259	263	261	248	234	220	209
	LOAD	WATTS(G)	3	4	5	6	7	8	9	10	11	12
	POWER	SAVINGS	11	10	12	12	13	14	14	16	16	16
		TOTALS	14	14	17	18	20	22	23	26	27	28
		%	7%	6.50%	6.50%	6.50%	7.50%	8%	9%	10.50%	11.50%	12.50%
	CFM(B)	test#1	2258	2490	2860	2970	3075	3168	3265	3371	3479	3520
	AVG.	test#2	7%	2100	2315	2660	2762	2860	2946	3022	3135	3235
	LOSS	test#3	2213	2428	2788	2896	2998	3089	3183	3287	3392	3432
		LOSS	2.50%	45	62	72	74	77	77	82	84	87