



aria s.r.l.

Sede legale: Viale Vittorio Veneto 60, 59100 Prato – P.IVA 02110810971

Sede operativa: Via del Mandorlo 30, 59100 Prato
tel. (+39) 0574 550493 fax (+39) 0574 577854

Web: www.aria-srl.it Email: info@aria-srl.it - produzione@aria-srl.it

Libellula 55+ power/CT curve

Wind speed (m/s)	Power (kW)	CT
0	0,0	0,00
1	0,0	0,00
2	0,0	0,00
3	0,1	0,74
4	1,7	0,74
5	5,0	0,70
6	10,8	0,66
7	18,5	0,61
8	28,2	0,54
9	40,0	0,48
10	50,5	0,43
11	55,0	0,37
12	56,0	0,33
13	57,0	0,28
14	57,0	0,22
15	57,0	0,19
16	57,0	0,15
17	57,0	0,12
18	57,0	0,10
19	57,0	0,08
20	57,0	0,07

Libellula 55+ gross annual energy production (AEP)

Average wind speed m/s	K=2,0	K=1,5
	Gross energy production MWh/year	
4,0	47	66
4,5	69	87
5,0	93	109
5,5	119	131
6,0	144	152
6,5	169	172
7,0	193	190
7,5	216	206
8,0	236	221

Data is valid for standard atmospheric condition: air temperature 15°C, pressure 1013 mbar, air density 1.225 kg/m³, equipment in perfect working condition and horizontal undisturbed air flow. Calculate at least 5% reduction if turbulence index > 12%.