

## RHI Calculator Requirements



Name/Number	ETZ581800 Evacuated Tubes					EMC581800		Flat Plates		
	10	15	20	25	30	20	30	F22	L20	L22
Aperture Area (m <sup>2</sup> )	0.93	1.40	1.87	2.33	2.79	1.89	2.83	2.01	2.39	2.01
Zero Heat Loss %	0.734					0.769		0.831	0.844	0.833
Heat Loss Coefficient A1 (Wm <sup>2</sup> K)	1.529					1.05		3.44	3.48	3.55
Heat Loss Coefficient A2 (Wm <sup>2</sup> K <sup>2</sup> )	0.0166					0.026		0.0176	0.0154	0.0146
Incidence Angle Modifier, Transverse, 50 degrees (K <sub>e</sub> 50T)	1.37					1.36		-	-	
Incidence Angle Modifier, Longitude, 50 Degrees (K <sub>e</sub> 50L)	0.92					0.89		-	-	

Manufacturer	Model
Resol	C-Plus

Model	Total Volume	Volume of Dedicated Solar Volume	Surface Area of Solar Heat Exchange Coil	Surface Area of Backup Heat Exchange Coil	Max Working Pressure of Heat Exchange Coil
SOL180i	180L	70	0.680	0.78	10
SOL210i	210L	90	0.680	0.78	10
SOL250i	250L	107	0.970	0.97	10
SOL300i	300L	125	0.970	0.97	10
SOL400i	400L	165	1.270	1.27	10
TGH210-SOL	210L	60	0.27	1.84	10
TGH250-SOL	250L	71	0.34	1.84	10
TGH350-SOL	350L	100	0.40	2.28	10
TGH450-SOL	450L	128	0.54	2.28	10