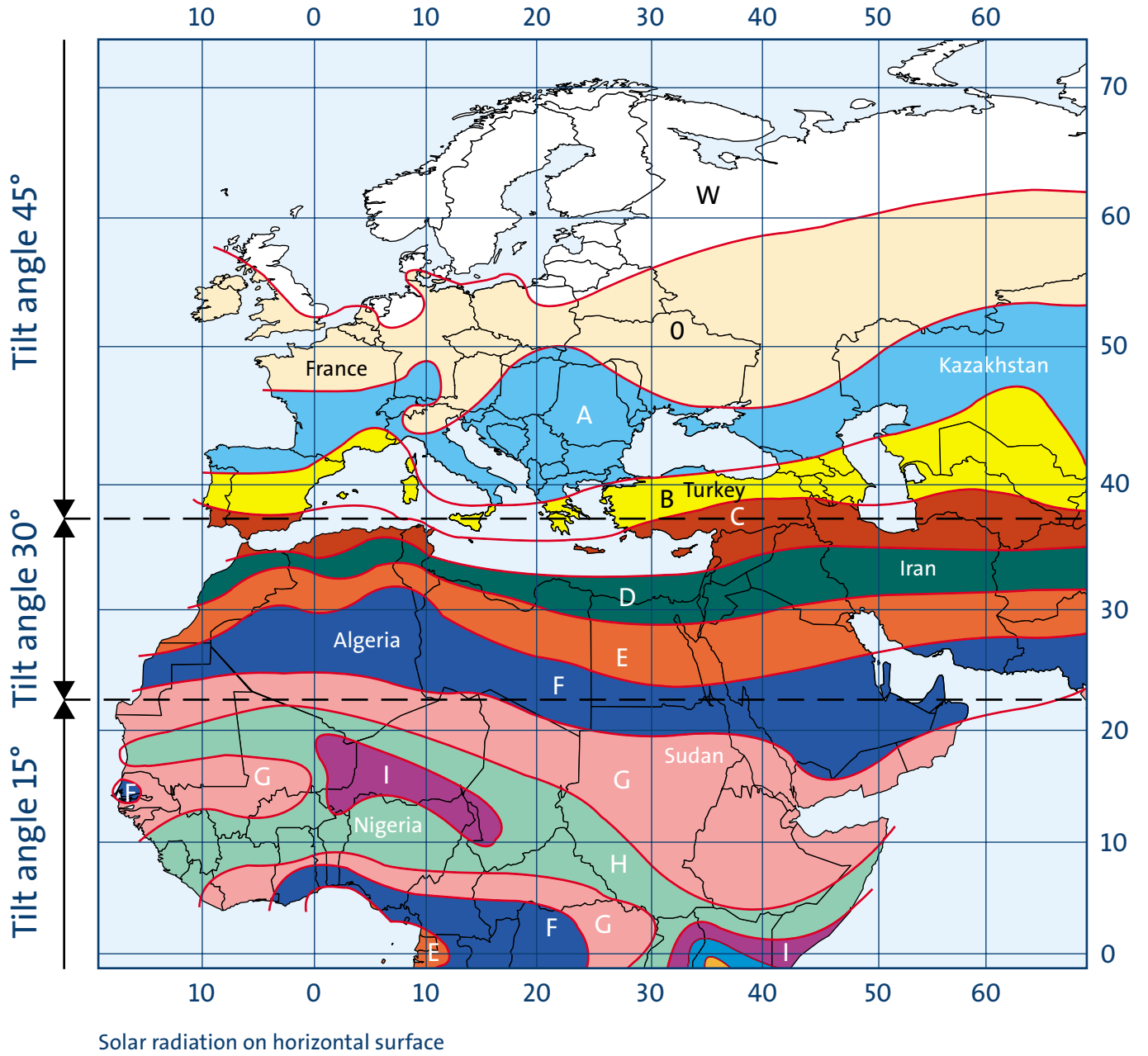


# EUROPE/MIDDLE EAST/NORTHERN AFRICA JANUARY



Zone	W	O	A	B	C	D	E	F	G	H	I
Colour											
kWh/m <sup>2</sup> day	0.3	0.9	1.5	2.0	2.6	3.2	3.8	4.4	4.9	5.5	6.1

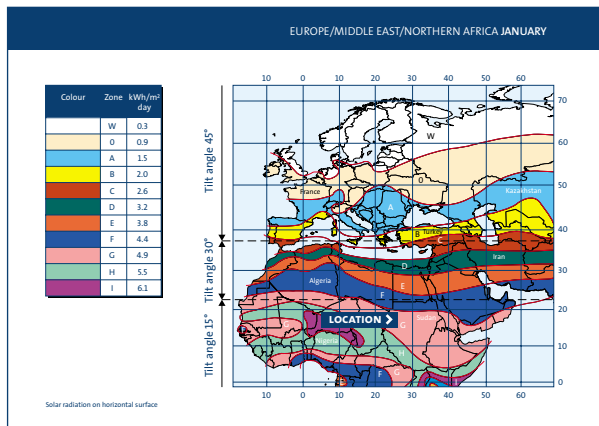
# SQFLEX SYSTEM SIZING

Before starting to size the system, you need to determine three things:

- location
- total head
- required water quantity per day

Select the map for July or January, depending on which period of the year you want the system to be sized for.

The following example shows how the hardcopy version is used to select the correct SQFlex system for a person in Sudan.



The map shows how particular locations belong to various zones, and this is marked by different colours to make it easier to read. From the map, it is possible to ascertain two important details: the zone and the solar panel tilt angle.

Our location is situated in Zone G, and the solar panel tilt angle is 15°.

Now it is possible to choose the relevant sizing chart according to the given zone and colour. Here's where the total head and water requirements are used to select the correct pump and number of solar panels.

With a required total head of 50 m, and a daily water requirement of 9.5 m<sup>3</sup>, the correct pump is an SQFlex 2.5-2. Furthermore, the number of solar panels necessary to power this SQFlex system is 12, corresponding to 516 Wp.

Europe/Middle East/Northern Africa  
SQFlex Sizing Table – performance [m<sup>3</sup>/day], January

Zone	Solar radiation [kWh/m <sup>2</sup> /day]	Total Head [m]												No. of GF 43	Power [Wp]	
		5	10	20	30	40	50	60	70	80	90	100	110			120
G	18.9	10.5	7.3	3.7	2.6	2.3	2.1	1.8	1.6	1.4	1.2	0.9	0.6	4	172	
	SQF 5A-3	SQF 2.5-2			SQF 1.2-2			SQF 0.6-2								
	46.1	21.8	15.2	10.4	7.2	5.6	4.8	3.9	3.6	3.4	3.2	2.7	2.4			
	SQF 8A-3	SQF 5A-3	SQF 2.5-2			SQF 1.2-2			SQF 0.6-2						8	344
	69.6	35.3	19.3	15.6	12.2	9.5	7.3	6.6	5.8	4.9	4.2	3.8	3.6			
	SQF 2.5-2	SQF 2.5-2	SQF 2.5-2			SQF 1.2-2			SQF 0.6-2							
															12	

SQFlex Sizing Table – performance [m<sup>3</sup>/day], January

Zone	Solar radiation	Total Head [m]												No. of GF 43	Power [Wp]		
		5	10	20	30	40	50	60	70	80	90	100	110			120	
		<b>ZONE W</b> tilt angle 15°, 0.3 kWh/m <sup>2</sup> day															
		<b>ZONE W</b> tilt angle 30°, 0.3 kWh/m <sup>2</sup> day															
		<b>ZONE W</b> tilt angle 45°, 0.3 kWh/m <sup>2</sup> day															
		<b>ZONE 0</b> tilt angle 15°, 0.9 kWh/m <sup>2</sup> day															
		<b>ZONE 0</b> tilt angle 30°, 0.9 kWh/m <sup>2</sup> day															
<b>ZONE 0</b>	tilt angle 45°	0.9 kWh/m <sup>2</sup> day	1.4	1.0	0.3	0.1	0.1									4	172
			SQF 2.5-2			SQF 0.6-2											
			5.6	4.2	2.5	1.1	0.9	0.8	0.7	0.5	0.4	0.2	0.2			8	344
			SQF 5A-3	SQF 2.5-2		SQF 0.6-2											
			12.2	7.2	4.8	2.2	1.7	1.5	1.4	1.1	1.0	0.8	0.7	0.5	0.3	12	516
			SQF 5A-3	SQF 2.5-2			SQF 0.6-2										
			18.3	9.5	6.9	3.8	2.6	2.2	2.0	1.8	1.6	1.3	1.1	0.9	0.8	16	688
			SQF 8A-3	SQF 2.5-2			SQF 1.2-2	SQF 0.6-2									
			25.5	11.5	8.9	5.4	3.5	2.9	2.5	2.3	2.1	1.9	1.6	1.4	1.1	20	860
SQF 8A-3	SQF 2.5-2			SQF 1.2-2		SQF 0.6-2											

SQFlex Sizing Table – performance [m<sup>3</sup>/day], January

Zone	Solar radiation	Total Head [m]												No. of GF 43	Power [Wp]		
		5	10	20	30	40	50	60	70	80	90	100	110			120	
ZONE A tilt angle 15°	1.5 kWh/m <sup>2</sup> day	Not actual												4	172		
		Not actual												8	344		
		Not actual												12	516		
		Not actual												16	688		
		Not actual												20	860		
ZONE A tilt angle 30°	1.5 kWh/m <sup>2</sup> day	2.1	1.5	0.7	0.3	0.2	0.1	0.1							4	172	
		SQF 2.5-2			SQF 0.6-2												
		8.1	5.6	3.5	1.5	1.3	1.1	1.0	0.8	0.6	0.5	0.3	0.1	0.1	8	344	
		SQF 5A-3	SQF 2.5-2		SQF 0.6-2												
		16.4	9.1	6.2	3.2	2.3	2.0	1.8	1.6	1.4	1.2	1.0	0.7	0.5	12	516	
		SQF 5A-3	SQF 2.5-2			SQF 1.2-2	SQF 0.6-2										
		24.7	12.1	8.9	5.2	3.5	2.8	2.5	2.2	2.0	1.8	1.6	1.3	1.1	16	688	
		SQF 8A-3	SQF 2.5-2			SQF 1.2-2		SQF 0.6-2									
		32.4	14.6	11.2	7.0	4.7	3.8	3.2	2.9	2.6	2.4	2.1	1.9	1.6	20	860	
SQF 8A-3	SQF 2.5-2				SQF 1.2-2		SQF 0.6-2										
ZONE A tilt angle 45°	1.5 kWh/m <sup>2</sup> day	7.4	5.3	3.3	1.4	1.2	1.0	0.9	0.7	0.6	0.4	0.3	0.1		4	172	
		SQF 5A-3	SQF 2.5-2		SQF 0.6-2												
		23.1	11.4	8.3	4.8	3.2	2.6	2.4	2.1	1.9	1.7	1.5	1.2	1.0	8	344	
		SQF 8A-3	SQF 2.5-2			SQF 1.2-2		SQF 0.6-2									
		37.2	17.6	12.6	8.3	5.8	4.5	3.9	3.2	3.0	2.7	2.5	2.2	2.0	12	516	
		SQF 8A-3	SQF 5A-3	SQF 2.5-2			SQF 1.2-2			SQF 0.6-2							
		50.7	25.2	15.5	11.7	8.5	6.5	5.4	4.7	4.0	3.4	3.2	2.9	2.7	16	688	
		SQF 14A-3	SQF 5A-3	SQF 2.5-2				SQF 1.2-2			SQF 0.6-2						
		61.8	31.5	17.1	14.1	11.1	8.8	6.8	5.8	5.3	4.6	4.0	3.4	3.1	20	860	
SQF 14A-3	SQF 5A-3	SQF 2.5-2					SQF 1.2-2					SQF 0.6-2					

SQFlex Sizing Table – performance [m<sup>3</sup>/day], January

Zone	Solar radiation	Total Head [m]												No. of GF 43	Power [Wp]					
		5	10	20	30	40	50	60	70	80	90	100	110			120				
<b>ZONE B</b> tilt angle 15°	2.0 kWh/m <sup>2</sup> day	2.9	2.1	0.9	0.5	0.3	0.2	0.1	0.1							4	172			
		SQF 2.5-2			SQF 0.6-2															
		10.8	6.9	4.3	1.8	1.6	1.4	1.2	1.0	0.8	0.6	0.5	0.3	0.1		8	344			
		SQF 5A-3	SQF 2.5-2			SQF 0.6-2														
		19.9	10.9	7.7	4.0	2.8	2.4	2.2	1.9	1.7	1.5	1.3	1.0	0.7		12	516			
		SQF 5A-3	SQF 2.5-2			SQF 1.2-2	SQF 0.6-2													
		30.3	14.1	10.7	6.5	4.2	3.4	3.1	2.8	2.5	2.2	1.9	1.7	1.4		16	688			
		SQF 8A-3	SQF 2.5-2			SQF 1.2-2			SQF 0.6-2											
<b>ZONE B</b> tilt angle 30°	2.0 kWh/m <sup>2</sup> day	39.8	17.7	13.3	8.8	5.8	4.7	3.9	3.5	3.2	2.9	2.7	2.3	2.0		20	860			
		SQF 8A-3	SQF 5A-3	SQF 2.5-2			SQF 1.2-2		SQF 0.6-2											
		4.7	3.6	2.0	0.9	0.7	0.6	0.5	0.3	0.2	0.1					4	172			
		SQF 2.5-2			SQF 0.6-2															
		16.4	9.2	6.3	3.2	2.3	2.0	1.8	1.6	1.4	1.2	1.0	0.7	0.5		8	344			
		SQF 5A-3	SQF 2.5-2			SQF 1.2-2	SQF 0.6-2													
		28.6	13.5	10.2	6.1	4.0	3.3	2.9	2.6	2.3	2.1	1.9	1.6	1.4		12	516			
		SQF 8A-3	SQF 2.5-2			SQF 1.2-2			SQF 0.6-2											
<b>ZONE B</b> tilt angle 45°	2.0 kWh/m <sup>2</sup> day	40.3	18.8	13.5	9.1	6.2	4.8	4.1	3.4	3.2	3.0	2.7	2.3	2.1		16	688			
		SQF 8A-3	SQF 5A-3	SQF 2.5-2			SQF 1.2-2		SQF 0.6-2											
		50.3	24.9	15.9	11.7	8.4	6.3	5.4	4.6	3.9	3.5	3.3	3.0	2.7		20	860			
		SQF 14A-3	SQF 5A-3	SQF 2.5-2				SQF 1.2-2			SQF 0.6-2									
		15.5	8.7	5.9	2.9	2.1	1.9	1.7	1.5	1.3	1.1	0.9	0.7	0.5		4	172			
		SQF 5A-3	SQF 2.5-2			SQF 1.2-2	SQF 0.6-2													
		38.2	17.7	12.9	8.5	5.8	4.5	3.9	3.3	3.1	2.8	2.5	2.2	2.0		8	344			
		SQF 8A-3	SQF 5A-3	SQF 2.5-2			SQF 1.2-2			SQF 0.6-2										
57.9	29.1	16.9	13.4	10.0	7.7	6.3	5.5	4.7	4.0	3.5	3.3	3.0		12	516					
SQF 14A-3	SQF 5A-3	SQF 2.5-2				SQF 1.2-2			SQF 0.6-2											
74.2	41.2	20.3	16.0	13.5	11.1	8.8	6.9	6.3	5.6	5.1	4.5	3.9		16	688					
SQF 14A-3		SQF 5A-6	SQF 2.5-2				SQF 1.2-2													
87.1	53.9	26.8	17.3	15.3	13.4	11.5	9.2	7.2	6.5	6.1	5.5	5.1		20	860					
SQF 14A-3		SQF 5A-6	SQF 2.5-2					SQF 1.2-2												

SQFlex Sizing Table – performance [m<sup>3</sup>/day], January

Zone	Solar radiation	Total Head [m]												No. of GF 43	Power [Wp]	
		5	10	20	30	40	50	60	70	80	90	100	110			120
ZONE C	tilt angle 15°	5.0	4.0	2.2	1.1	0.8	0.7	0.6	0.4	0.2	0.1				4	172
		SQF 2.5-2				SQF 0.6-2										
		17.6	10.0	6.9	3.5	2.5	2.2	2.0	1.7	1.5	1.3	1.1	0.8	0.6	8	344
		SQF 5A-3	SQF 2.5-2				SQF 1.2-2	SQF 0.6-2								
		31.5	14.5	11.0	6.7	4.4	3.6	3.2	2.9	2.6	2.3	2.0	1.7	1.5	12	516
		SQF 8A-3	SQF 2.5-2				SQF 1.2-2		SQF 0.6-2							
		43.9	20.3	14.4	9.9	6.8	5.3	4.5	3.7	3.5	3.2	3.0	2.6	2.3	16	688
		SQF 8A-3	SQF 5A-3	SQF 2.5-2				SQF 1.2-2		SQF 0.6-2						
		55.5	27.4	17.1	12.7	9.3	6.8	5.9	5.0	4.2	3.7	3.6	3.3	3.0	20	860
		SQF 14A-3	SQF 5A-3	SQF 2.5-2				SQF 1.2-2			SQF 0.6-2					
ZONE C	tilt angle 30°	9.3	6.2	3.9	1.7	1.4	1.3	1.1	0.9	0.7	0.5	0.4	0.2	0.1	4	172
		SQF 5A-3	SQF 2.5-2				SQF 0.6-2									
		26.9	13.0	9.7	5.7	3.7	3.1	2.8	2.5	2.2	2.0	1.8	1.5	1.2	8	344
		SQF 8A-3	SQF 2.5-2				SQF 1.2-2		SQF 0.6-2							
		43.7	20.5	14.4	9.9	6.8	5.3	4.5	3.7	3.4	3.2	3.0	2.6	2.3	12	516
		SQF 8A-3	SQF 5A-3	SQF 2.5-2				SQF 1.2-2			SQF 0.6-2					
		58.8	29.5	17.2	13.6	10.1	7.6	6.4	5.5	4.7	3.9	3.6	3.4	3.1	16	688
		SQF 14A-3	SQF 5A-3	SQF 2.5-2				SQF 1.2-2			SQF 0.6-2					
		71.7	37.1	18.6	15.8	13.0	10.3	8.0	6.7	6.1	5.3	4.7	4.0	3.5	20	860
		SQF 14A-3	SQF 2.5-2				SQF 1.2-2						SQF 0.6-2			
ZONE C	tilt angle 45°	23.9	12.2	8.9	5.0	3.4	2.8	2.5	2.2	2.0	1.8	1.6	1.3	1.0	4	172
		SQF 8A-3	SQF 2.5-2				SQF 1.2-2	SQF 0.6-2								
		54.4	26.9	16.7	12.5	9.1	6.7	5.8	4.9	4.1	3.7	3.5	3.2	2.9	8	344
		SQF 14A-3	SQF 5A-3	SQF 2.5-2				SQF 1.2-2			SQF 0.6-2					
		78.0	42.7	21.1	16.7	14.2	11.7	9.2	7.2	6.7	6.0	5.3	4.6	4.0	12	516
		SQF 14A-3	SQF 5A-6	SQF 2.5-2				SQF 1.2-2								
		94.7	60.6	30.5	18.5	16.3	14.8	12.8	10.4	8.2	7.1	6.7	6.2	5.6	16	688
		SQF 14A-3	SQF 5A-6	SQF 2.5-2				SQF 1.2-2								
		108	75.5	38.0	23.5	17.7	16.1	14.6	12.8	10.9	8.7	7.4	7.0	6.5	20	860
		SQF 14A-3	SQF 5A-6	SQF 2.5-2				SQF 1.2-2								

SQFlex Sizing Table – performance [m<sup>3</sup>/day], January

Zone	Solar radiation	Total Head [m]												No. of GF 43	Power [Wp]	
		5	10	20	30	40	50	60	70	80	90	100	110			120
ZONE D	tilt angle 15°	8.2	5.8	3.5	1.6	1.3	1.1	1.0	0.8	0.6	0.4	0.3	0.1		4	172
		SQF 5A-3	SQF 2.5-2		SQF 0.6-2											
		25.1	12.7	9.3	5.3	3.5	2.9	2.7	2.4	2.1	1.8	1.6	1.4	1.1	8	344
		SQF 8A-3	SQF 2.5-2			SQF 1.2-2	SQF 0.6-2									
		42.3	19.1	13.9	9.4	6.4	5.0	4.2	3.6	3.4	3.1	2.9	2.5	2.1	12	516
		SQF 8A-3	SQF 5A-3	SQF 2.5-2		SQF 1.2-2		SQF 0.6-2								
		57.2	28.3	17.4	13.0	9.6	7.0	6.1	5.2	4.4	3.8	3.6	3.3	3.1	16	688
		SQF 14A-3	SQF 5A-3	SQF 2.5-2			SQF 1.2-2			SQF 0.6-2						
		70.5	35.8	19.2	15.7	12.4	9.8	7.4	6.7	6.0	5.1	4.4	3.8	3.6	20	860
SQF 14A-3	SQF 5A-3	SQF 2.5-2				SQF 1.2-2				SQF 0.6-2						
ZONE D	tilt angle 30°	14.7	8.6	5.8	2.7	2.0	1.8	1.6	1.4	1.2	1.0	0.8	0.6	0.4	4	172
		SQF 5A-3	SQF 2.5-2			SQF 0.6-2										
		37.9	16.8	12.7	8.3	5.5	4.4	3.7	3.3	3.1	2.8	2.5	2.1	1.9	8	344
		SQF 8A-3	SQF 5A-3	SQF 2.5-2			SQF 1.2-2		SQF 0.6-2							
		58.0	28.9	17.2	13.3	9.8	7.3	6.3	5.4	4.5	3.8	3.6	3.3	3.1	12	516
		SQF 14A-3	SQF 5A-3	SQF 2.5-2			SQF 1.2-2			SQF 0.6-2						
		74.7	39.4	19.4	16.3	13.6	10.9	8.4	7.0	6.4	5.7	5.0	4.3	3.7	16	688
		SQF 14A-3		SQF 5A-6	SQF 2.5-2			SQF 1.2-2								
		87.6	52.2	26.4	17.7	15.6	13.6	11.5	8.7	7.3	6.7	6.2	5.6	5.0	20	860
SQF 14A-3		SQF 5A-6	SQF 2.5-2				SQF 1.2-2									
ZONE D	tilt angle 45°	Not actual												4	172	
		Not actual												8	344	
		Not actual												12	516	
		Not actual												16	688	
		Not actual												20	860	

SQFlex Sizing Table – performance [m<sup>3</sup>/day], January

Zone	Solar radiation	Total Head [m]												No. of GF 43	Power [Wp]	
		5	10	20	30	40	50	60	70	80	90	100	110			120
ZONE E tilt angle 15°	3.8 kWh/m <sup>2</sup> day	12.3	7.6	4.9	2.1	1.7	1.6	1.4	1.2	1.0	0.8	0.6	0.4	0.2	4	172
		SQF 5A-3	SQF 2.5-2			SQF 1.2-2	SQF 0.6-2									
		33.5	15.0	11.5	7.2	4.7	3.8	3.3	3.0	2.7	2.4	2.2	1.8	1.6	8	344
		SQF 8A-3	SQF 2.5-2			SQF 1.2-2			SQF 0.6-2							
		52.1	25.6	16.7	11.9	8.6	6.4	5.5	4.7	3.9	3.6	3.4	3.1	2.8	12	516
		SQF 14A-3	SQF 5A-3	SQF 2.5-2			SQF 1.2-2			SQF 0.6-2						
		69.4	35.3	19.1	15.5	12.2	9.5	7.3	6.6	5.8	4.9	4.2	3.8	3.6	16	688
		SQF 14A-3	SQF 5A-3	SQF 2.5-2				SQF 1.2-2				SQF 0.6-2				
		82.3	45.5	23.0	17.5	14.9	12.6	10.0	7.5	7.0	6.3	5.8	5.0	4.3	20	860
		SQF 14A-3		SQF 5A-6	SQF 2.5-2				SQF 1.2-2							
ZONE E tilt angle 30°	3.8 kWh/m <sup>2</sup> day	19.4	10.7	7.5	3.9	2.8	2.4	2.1	1.8	1.6	1.4	1.2	0.9	0.7	4	172
		SQF 5A-3	SQF 2.5-2			SQF 1.2-2	SQF 0.6-2									
		46.9	22.4	15.3	10.7	7.5	5.7	4.9	4.0	3.6	3.4	3.2	2.8	2.5	8	344
		SQF 8A-3	SQF 5A-3	SQF 2.5-2			SQF 1.2-2			SQF 0.6-2						
		70.3	35.8	19.0	15.7	12.5	9.8	7.5	6.7	6.0	5.1	4.4	3.8	3.6	12	516
		SQF 14A-3	SQF 5A-3	SQF 2.5-2				SQF 1.2-2				SQF 0.6-2				
		86.9	51.2	25.8	17.8	15.6	13.6	11.2	8.4	7.3	6.7	6.2	5.6	4.9	16	688
		SQF 14A-3		SQF 5A-6	SQF 2.5-2				SQF 1.2-2							
		100	66.7	33.4	19.3	17.0	15.4	13.7	11.5	9.3	7.4	7.0	6.6	6.1	20	860
		SQF 14A-3		SQF 5A-6		SQF 2.5-2				SQF 1.2-2						
ZONE E tilt angle 45°	3.8 kWh/m <sup>2</sup> day	Not actual												4	172	
														8	344	
														12	516	
														16	688	
														20	860	

SQFlex Sizing Table – performance [m<sup>3</sup>/day], January

Zone	Solar radiation	Total Head [m]												No. of GF 43	Power [Wp]	
		5	10	20	30	40	50	60	70	80	90	100	110			120
ZONE F tilt angle 15°	4.4 kWh/m <sup>2</sup> day	15.8	9.3	6.3	3.0	2.2	2.0	1.8	1.5	1.3	1.1	0.9	0.6	0.5	4	172
		SQF 5A-3	SQF 2.5-2				SQF 0.6-2									
		40.9	18.1	13.6	9.0	6.0	4.8	4.0	3.5	3.3	3.0	2.7	2.4	2.0	8	344
		SQF 8A-3	SQF 5A-3	SQF 2.5-2			SQF 1.2-2		SQF 0.6-2							
		62.4	31.2	18.4	14.2	10.6	8.0	6.7	5.8	5.0	4.1	3.8	3.6	3.3	12	516
		SQF 14A-3	SQF 5A-3	SQF 2.5-2				SQF 1.2-2			SQF 0.6-2					
		79.2	42.3	21.3	17.2	14.4	11.8	9.3	7.4	6.8	6.1	5.4	4.6	4.0	16	688
		SQF 14A-3		SQF 5A-6	SQF 2.5-2				SQF 1.2-2							
		92.1	57.3	28.6	18.9	16.3	14.4	12.4	9.6	7.6	7.1	6.6	6.0	5.5	20	860
		SQF 14A-3		SQF 5A-6	SQF 2.5-2					SQF 1.2-2						
ZONE F tilt angle 30°	4.4 kWh/m <sup>2</sup> day	24.2	12.4	9.1	5.1	3.4	2.8	2.6	2.3	2.0	1.8	1.6	1.3	1.0	4	172
		SQF 8A-3	SQF 2.5-2				SQF 1.2-2	SQF 0.6-2								
		55.9	27.6	17.3	12.7	9.3	6.8	6.0	5.1	4.2	3.8	3.6	3.3	3.0	8	344
		SQF 14A-3	SQF 5A-3	SQF 2.5-2			SQF 1.2-2			SQF 0.6-2						
		79.8	42.9	21.6	17.2	14.5	11.9	9.4	7.4	6.9	6.2	5.5	4.7	4.0	12	516
		SQF 14A-3		SQF 5A-6	SQF 2.5-2				SQF 1.2-2							
		96.5	62.5	31.2	19.4	16.8	15.2	13.2	10.7	8.3	7.3	6.9	6.4	5.8	16	688
		SQF 14A-3		SQF 5A-6	SQF 2.5-2					SQF 1.2-2						
		111	77.6	38.9	24.1	18.4	16.6	15.0	13.2	11.2	8.7	7.6	7.2	6.7	20	860
		SQF 14A-3		SQF 5A-6	SQF 2.5-2						SQF 1.2-2					
ZONE F tilt angle 45°	4.4 kWh/m <sup>2</sup> day	Not actual												4	172	
														8	344	
														12	516	
														16	688	
														20	860	

SQFlex Sizing Table – performance [m<sup>3</sup>/day], January

Zone	Solar radiation	Total Head [m]												No. of GF 43	Power [Wp]	
		5	10	20	30	40	50	60	70	80	90	100	110			120
ZONE G	tilt angle 15°	18.9	10.5	7.3	3.7	2.6	2.3	2.1	1.8	1.6	1.4	1.2	0.9	0.6	4	172
		SQF 5A-3	SQF 2.5-2			SQF 1.2-2	SQF 0.6-2									
		46.1	21.8	15.2	10.4	7.2	5.6	4.8	3.9	3.6	3.4	3.2	2.7	2.4	8	344
		SQF 8A-3	SQF 5A-3	SQF 2.5-2			SQF 1.2-2			SQF 0.6-2						
		69.6	35.3	19.3	15.6	12.2	9.5	7.3	6.6	5.8	4.9	4.2	3.8	3.6	12	516
		SQF 14A-3	SQF 5A-3	SQF 2.5-2				SQF 1.2-2				SQF 0.6-2				
		86.2	50.0	25.1	18.2	15.5	13.4	10.9	8.1	7.3	6.7	6.1	5.5	4.7	16	688
		SQF 14A-3		SQF 5A-6	SQF 2.5-2					SQF 1.2-2						
		100.0	65.7	32.7	19.7	17.3	15.5	13.7	11.3	8.9	7.5	7.1	6.6	6.1	20	860
		SQF 14A-3		SQF 5A-6	SQF 2.5-2					SQF 1.2-2						
ZONE G	tilt angle 30°	28.1	13.5	10.1	5.9	3.9	3.1	2.9	2.6	2.3	2.0	1.8	1.5	1.3	4	172
		SQF 8A-3	SQF 2.5-2			SQF 1.2-2	SQF 0.6-2									
		62.1	30.9	18.6	14.0	10.5	7.9	6.7	5.7	4.9	4.0	3.8	3.6	3.3	8	344
		SQF 14A-3	SQF 5A-3	SQF 2.5-2			SQF 1.2-2			SQF 0.6-2						
		85.7	49.3	24.7	18.3	15.6	13.3	10.7	7.9	7.4	6.7	6.1	5.4	4.6	12	516
		SQF 14A-3		SQF 5A-6	SQF 2.5-2					SQF 1.2-2						
		104	69.6	34.6	20.2	17.9	16.0	14.3	12.0	9.7	7.8	7.3	6.9	6.4	16	688
		SQF 14A-3		SQF 5A-6	SQF 2.5-2					SQF 1.2-2						
		119	83.8	41.9	26.8	19.3	17.6	15.8	14.0	12.3	9.9	7.9	7.6	7.2	20	860
		SQF 14A-3		SQF 5A-6	SQF 2.5-2					SQF 1.2-2						
ZONE G	tilt angle 45°	Not actual												4	172	
														8	344	
														12	516	
														16	688	
														20	860	

SQFlex Sizing Table – performance [m<sup>3</sup>/day], January

Zone	Solar radiation	Total Head [m]												No. of GF 43	Power [Wp]	
		5	10	20	30	40	50	60	70	80	90	100	110			120
ZONE H tilt angle 15°	5.5 kWh/m <sup>2</sup> day	22.2	11.8	8.5	4.5	3.1	2.7	2.4	2.1	1.9	1.6	1.4	1.1	0.9	4	172
		SQF 5A-3	SQF 2.5-2			SQF 1.2-2	SQF 0.6-2									
		52.4	25.7	16.9	11.9	8.6	6.4	5.5	4.7	3.9	3.7	3.5	3.2	2.8	8	344
		SQF 14A-3	SQF 5A-3	SQF 2.5-2			SQF 1.2-2			SQF 0.6-2						
		76.7	39.2	20.4	17.0	13.9	11.1	8.6	7.2	6.6	5.8	5.1	4.3	3.8	12	516
		SQF 14A-3		SQF 2.5-2					SQF 1.2-2					SQF 0.6-2		
		93.4	58.6	29.1	19.3	16.6	14.7	12.6	9.8	7.7	7.2	6.8	6.2	5.6	16	688
		SQF 14A-3		SQF 5A-6	SQF 2.5-2					SQF 1.2-2						
		109	74.2	37.0	22.4	18.4	16.3	14.8	12.6	10.7	8.0	7.5	7.1	6.6	20	860
		SQF 14A-3		SQF 5A-6		SQF 2.5-2					SQF 1.2-2					
ZONE H tilt angle 30°	5.5 kWh/m <sup>2</sup> day	31.1	14.7	10.9	6.6	4.3	3.5	3.1	2.8	2.5	2.3	2.0	1.7	1.4	4	172
		SQF 8A-3	SQF 2.5-2			SQF 1.2-2			SQF 0.6-2							
		66.9	33.5	19.6	15.3	11.4	8.8	7.2	6.3	5.4	4.5	4.0	3.8	3.5	8	344
		SQF 14A-3	SQF 5A-3	SQF 2.5-2				SQF 1.2-2				SQF 0.6-2				
		91.9	54.8	27.1	19.4	16.8	14.4	11.8	8.9	7.7	7.2	6.6	6.0	5.2	12	516
		SQF 14A-3		SQF 5A-6	SQF 2.5-2					SQF 1.2-2						
		112	75.2	37.3	22.4	19.0	17.0	15.1	12.9	10.7	8.2	7.7	7.3	6.8	16	688
		SQF 14A-3		SQF 5A-6		SQF 2.5-2					SQF 1.2-2					
		127	88.6	44.9	28.9	20.2	18.6	16.9	14.8	13.2	10.9	8.3	7.9	7.5	20	860
		SQF 14A-3		SQF 5A-6		SQF 2.5-2					SQF 1.2-2					
ZONE H tilt angle 45°	5.5 kWh/m <sup>2</sup> day	Not actual												4	172	
		Not actual												8	344	
		Not actual												12	516	
		Not actual												16	688	
		Not actual												20	860	

SQFlex Sizing Table – performance [m<sup>3</sup>/day], January

Zone	Solar radiation	Total Head [m]												No. of GF 43	Power [Wp]	
		5	10	20	30	40	50	60	70	80	90	100	110			120
ZONE I tilt angle 15°	6.1 kWh/m <sup>2</sup> day	25.8	12.9	9.5	5.4	3.6	3.0	2.7	2.4	2.1	1.9	1.6	1.4	1.1	4	172
		SQF 8A-3	SQF 2.5-2			SQF 1.2-2	SQF 0.6-2									
		58.6	29.0	18.1	13.2	9.7	7.2	6.2	5.3	4.5	3.9	3.7	3.4	3.2	8	344
		SQF 14A-3	SQF 5A-3	SQF 2.5-2				SQF 1.2-2			SQF 0.6-2					
		82.5	45.3	22.8	17.9	15.0	12.5	9.9	7.7	7.1	6.4	5.8	5.0	4.2	12	516
		SQF 14A-3		SQF 5A-6	SQF 2.5-2				SQF 1.2-2							
		101	65.7	32.6	20.0	17.6	15.6	13.7	11.3	8.8	7.6	7.1	6.7	6.1	16	688
		SQF 14A-3		SQF 5A-6	SQF 2.5-2					SQF 1.2-2						
		116	80.7	40.3	25.4	19.1	17.3	15.5	13.7	11.8	9.3	7.8	7.5	7.0	20	860
SQF 14A-3		SQF 5A-6	SQF 2.5-2					SQF 1.2-2								
ZONE I tilt angle 30°	6.1 kWh/m <sup>2</sup> day	Not actual												4	172	
		Not actual												8	344	
		Not actual												12	516	
		Not actual												16	688	
		Not actual												20	860	
ZONE I tilt angle 45°	6.1 kWh/m <sup>2</sup> day	Not actual												4	172	
		Not actual												8	344	
		Not actual												12	516	
		Not actual												16	688	
		Not actual												20	860	