

Quantum Pool Heater Sizing Sheet

NOTE: for Australian locations, details in the "Variables Table", other than the "Pool Heating Months" are normally not required

Customers Name:	<input style="width: 100%;" type="text"/>												
Project Title:	<input style="width: 100%;" type="text"/>												
Location (Street Address, City/Town & Country):	<input style="width: 100%;" type="text"/>												
Tariffs To Be Used For Pool Heating:	<input type="text"/> \$/kWh (Electricity)	<input type="text"/> \$/MJ (Gas/LPG)	<input type="text"/> \$/Ltr or \$/kg (LPG)										
Wind Protection:	<input type="text"/> Well Protected	<input type="text"/> Some Protection	<input type="text"/> Fully Exposed										
Is A Pool Thermal Blanket Used:	<input type="text"/> Yes	<input type="text"/> No											
If Covered, How Many Hours Per Day:	<input type="text"/> 24	<input type="text"/> 20	<input type="text"/> 18	<input type="text"/> 16	<input type="text"/> 14	<input type="text"/> Other							
Is The Pool Enclosed (i.e. Indoors):	<input type="text"/> Yes	<input type="text"/> No											
Pool Dimensions (In Metres):	<input type="text"/> Length	<input type="text"/> Width	<input type="text"/> Depth (Shallow End)				<input type="text"/> Depth (Deep End)						
Pool Surface Area:	<input type="text"/> Sq Mtrs												
Pool Temperature Required:	<input type="text"/> °C												
Allowed Daily Operating Hours For Heater:	<input type="text"/> 24	<input type="text"/> 20	<input type="text"/> 18	<input type="text"/> 16	<input type="text"/> 14	<input type="text"/> Other							
Variables Table													
Pool Heating Months (Required For All Locations)													
Indicate Which Months The Pool Will Be Heated:													
	All Year	Month											
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Abient Air Temperatures (If Not In Australia)	Min	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Minimum Monthly Temperature (°C):		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Maximum Monthly Temperature (°C):		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Relative Humidities (If Not In Australia)	Ave	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Relative Humidity (%) @09:00 Hours:		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Relative Humidity (%) @15:00 Hours:		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Wind Velocities (If Not In Australia)	Ave	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Wind Velocity (Mtrs/Sec) @09:00 Hours:		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Wind Velocity (Mtrs/Sec) @15:00 Hours:		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Water Temp, Irradiation & CO₂ (If Not In Australia)	Ave	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average Unheated Water Temperature (°C):		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Average Irradiation Per Month (MJ/M ³):		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
CO ₂ Figures For This Location:	<input type="text"/>	kg/kWh Of Electricity Generated											

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Installation Data						
Proposed Site Location For Heat Pump:	<input style="width: 100%;" type="text"/>					Details
Is Proposed Location For Heat Pump Unit External?:	Yes <input type="checkbox"/>	No <input type="checkbox"/>				Details
What Space Is Available For The H.P. Unit (Mtrs)?:	Length <input type="text"/>	Width <input type="text"/>	Height <input type="text"/>	Clearance In Front Of Fan <input type="text"/>		
Any Source Of Waste Heat That Can Be Used?:	Yes <input type="checkbox"/>	No <input type="checkbox"/>				Details
Heat Source To Be Used:	Air Sourced		Hydro Sourced			
Heat Source Type & Temperature:	Ambient / Natural		Fixed Temperature <input type="text"/>		°C	
What Power Supply Is Available?:	1 PH <input type="checkbox"/>	3 PH <input type="checkbox"/>	Amps <input type="text"/>			
If An Indoor Pool, Is The Area Air Conditioned?:	Yes <input type="checkbox"/>	No <input type="checkbox"/>	°C (At What Temperature?) <input type="text"/>			
Water Circulation To Heat Pump:	Independent Circuit <input type="checkbox"/>		In Existing Filter Circuit <input type="checkbox"/>			
If Currently Heated						
Existing Heater Type:	<input type="checkbox"/> Gas/LPG		<input type="checkbox"/> Electric		<input type="checkbox"/> Other	
Existing Heater Capacity (MJ/hr or kW):	<input type="text"/>					
Current Running Costs Per Annum:	<input type="text"/>					