



	Conventional Air Conditioner	TORO Air Conditioner
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CAPACITY 18000 BTU/HR		
TR.....	1.5	1.5
Heat Removal kWt.....	5.25	5.25
Heat Rejected into Atmosphere kWt.....	6.825	2.275

AIR CONDITIONER CAPABILITY		
Cooling.....	YES	YES
Free Cooling.....	NO	YES
Humidification.....	NO	YES
Dehumidification.....	YES	YES
Heating.....	NO	YES

PERFORMANCE		
ARI Conditions.....	35 Deg C / 50% RH	35 Deg C / 50% RH
Supply Temperature @ ARI Conditions.....	18 Deg C	21 Deg C
Input Power kW.....	1.8	0.2
Real Asian Summer Conditions.....	42 Deg C / 15% RH	42 Deg C / 15% RH
Supply Temperature @ Summer Conditions.....	23 Deg C	18 Deg C
Input Power kW.....	2.25	0.4
Dehumidification.....	Always ON	ON During High Humidity Only
Trimming (Temperature reduction).....	N/A	On for 3 Deg C Delta

COMPRESSOR		
Compressor Capacity.....	1.5 TR	0.50 TR
Compressor Type.....	Fixed Speed	Inverter
Evaporative Condensing.....	NO	YES

REFRIGERANT / COOLANT		
Refrigerant / Coolant used.....	HFC	HC
Refrigerant No.....	R 410a	R 290/R 718
GWP.....	2088	3
ODP.....	0	0
Quantity used.....	1 – 1.25kg	0.18kg

AMBIENT – SPACE CONNECTIVITY		
Free Cooling.....	NO	Automatic when Ambient temperature are low

FRESH AIR		
Fresh Air Quantity.....	0	0~30% High Humidity / 100% Summer

CONDENSATION MANAGEMENT		
Recycled / Reused / Up-cycled.....	NO (Sent to drain)	YES (Patent Pending)

DIMENSIONS		
Equipment Format.....	Window	Window
Width x Height x Depth.....	650mm x 450mm x 800mm	650mm x 450mm x 1000mm

POWER		
Voltage.....	230 V AC	230 V AC / 48 V DC (Solar Model)
Plug Top.....	15 Amps	5 Amps

WATER		
Water Required.....	NO	YES (Summer/Humidification)