

VRF T3 modular outdoor unit



Series	VRF T3 modular outdoor unit
Model	WSTBY-J785-DT1ZB-I
QCC Registration	Performace
Indoor Model	ALTMD-H55/SDR1EB-1
Outdoor Model	ALT-H55/SDR1(U)-1
Capacity	17.3 TON / 61 KWH
Regoin	UAE

Features

High EER And COP

180° Sine Wave Control

High efficiency DC fan motor

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Power Supply	380~415V,3N,50/60Hz (V~,Hz,Ph)
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Capacity

Cooling(T1)		
79 (kW)	22,57 (TR)	270000 (Btu/h)
Cooling(T3)		
61,50 (kW)	17,57 (TR)	210000 (Btu/h)
Heating		
79 (kW)	22,57 (TR)	270000 (Btu/h)

Electric Data

Rated Cooling Power Input(T1)	24,16 (kW)
Rated Cooling Current(T1)	38,12 (A)
Rated Cooling Power Input(T3)	23,21 (kW)
Rated Cooling Current(T3)	36,62 (A)
Rated Heating Power Input(T1)	20,79 (kW)
Rated Heating Current(T1)	32,8 (A)

Outdoor Fan

Material	Plastic
Type	Axial
Fan Quantity	2

Performance

EER (T1)	
3,27 (W/W)	11,20 Btu/(h*W)
EER (T3)	
2,65 (W/W)	9,05 Btu/(h*W)
COP (T1)	3,8 (W/W)
CSPF (T1)	13,85 Btu/(h*W)
Max. Input Consumption	35650 (W)
MCA /Max. Current	57 (A)
MFA/select Circuit breaker	80 (A)

Outdoor fan motor

Model	DW1000A-ZL
Type	DC Inv
Brand	SHANGQI
Insulation Class	B
Safe Class	IP54
Output Power x Fan quantity	1000×2 (W)
Speed	930 (r/min)

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Compressor

Model	DC80PHDG-D1Y2+ AA55PHDG-D1Y2
Number	2
Type	DC inv
Brand	Hitachi
RPM	10~130/15~140 (rps)
Capacity	26400/26630 (W)
Input	8130/8700 (W)
Power Supply	380~415,50/60,3 (Ph-V-Hz)
Operating Frequency	30~390/45~420 (Hz)
Crankcase	40~80 (W)
Compressor refrigerant Oil	1100(FV68H) (ml)
Additional refrigerant oil (factory)	6000 (ml)

Indoor Coil

Number Of Row	3
Tube Pitch(a)x Row Pitch(b)	22×19.05 (mm)
Fin Pitch	1,5 (mm)
Fin Material	Hydrophilic aluminum fin
Tube Outside Dia.And Material	φ7， Inner grooved (mm)
Coil Length x Height x Width	1772×1320×57.1 (mm)
Number of circuits	30*3*2

Refrigerant type/Quantity

Type	R410A
Charged Volume	20000 (g)
Design Presure	4,2 (MPa)

Refrigerant Pipe

Liquid Side	22,2 (mm)
Gas Side	35 (mm)
Max.Length	1000 (m)
Ambient Temp (Cooling/Heating)	-10~55/-20~24 (°C)

Wiring specification

Power Wiring (ODU)	5X25 (mm2)
A.B signal wiring (ODU)	2X0.75 (mm2)
A.B signal wiring (to IDU)	2X0.75 (mm2)
Stuffing Quantity (20/40/40H)	6/12/12 (Unit)

Air Flow Volume

17647 (CFM)	30000 (m3/h)
Noise Level	45-64 (dB/A)

Dimension (W×D×H)

1850×825×1760 (NET) (mm)	1925×930×1930 (PACKING) mm
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Weight

Net	419 (kg)
Gross	442 (kg)