

Model	Indoor		AS09TA2HRA	AS12TA2HRA	AS18TD2HRA	AS24TD2HRA
	Outdoor		1U09BE8ERA	1U12BE8ERA	1U18EE8ERA	1U24RE8ERA
Cooling Capacity	Nominal (Min.~Max.)	Btu/h	8870(3410-11950)	12280(3410-14000)	17060(4100-21500)	22520(6820-27640)
	Nominal (Min.~Max.)	kW	2.6(1.00-3.50)	3.6(1.00-4.10)	5.0(1.20-6.30)	6.6(2.00-8.10)
Energy efficiency(average climate)	SEER/EER	Energy Saving	6.2/3.21	6.1/2.81	6.2/3.24	6.2/3.01
Energy class - Cooling			A++	A++	A++	A++
Cooling Pdesign capacity(35°C)		kW	2.60	3.60	5.00	6.60
Power input - Cooling	Nominal (Min.~Max.)	kW	0.810(0.30-1.40)	1.12(0.30-1.60)	1.54(0.40-2.25)	2.19 ( 0.60-2.70 )
Annual energy consumption - Cooling		kWh/a	147	206	282	373
Heating Capacity	Nominal (Min.~Max.)	Btu/h	9550(3410-15020)	12630(3750-17750)	20470(3580-22860)	25250(8190-29690)
	Heating @ -7°C	Btu/h	7167	8190	14500	16720
	Nominal (Min.~Max.)	kW	2.8(1.00-4.40)	3.7(1.10-5.20)	6.0(1.05-6.70)	7.4(2.40-8.70)
	Heating @ -7°C	kW	2.1	2.4	4.25	4.9
Energy efficiency	SCOP/COP(Average climate)	Energy Saving	4.0/3.61	4.0/3.61	4.0/3.72	3.9/3.61
	SCOP(Warm/Cold climate)		4.70/-	4.80/-	5.18/-	5.00/-
Energy class - Heating	Average/warm/cold		A+/A+/-	A+/A+/-	A+/A+/-	A+/A+/-
Heating Pdesign capacity (-10°C)		kW	2.4	2.8	4.8	5.6
Power input - Heating	Nominal (Min.~Max.)	kW	0.78(0.30-1.50)	1.02(0.50-1.60)	1.61(0.40-2.35)	2.05 ( 0.7-2.9 )
Annual energy consumption - Heating		kWh/a	841	1039	1679	2011
Operating limits (cooling)	Min.~Max.	°C	21-35°C(in)/10-43°C(out)	21-35°C(in)/10-43°C(out)	21-35°C(in)/10-43°C(out)	21-35°C(in)/10-43°C(out)
Operating limits (heating)	Min.~Max.	°C	10-27°C(in)/-15-24°C(out)	10-27°C(in)/-15-24°C(out)	10-27°C(in)/-15-24°C(out)	10-27°C(in)/-15-24°C(out)
Power supply	Ph/V/Hz		1/230/50	1/230/50	1/230/50	1/230/50
Power supply (position)			Indoor	Indoor	Indoor	outdoor
40H FCL (set)	*just for reference		240	240	204	140
<b>Indoor</b>						
Net dimension	W/D/H	mm	820/195/280	820/195/280	1008/225/318	1008/225/318
Package dimension	W/D/H	mm	909/279/355	909/279/355	1085/329/403	1085/329/403
Net/Shipping weight		kg	8.8/11.0	9.0/11.2	12/15	12/15
Air flow(cooling/heating)	Max.	m³/h	500	550	900	1100
Sound power level	Cooling (Hi)	dB	53	54	57	60
	Heating (Hi)	dB	54	55	58	61
Sound pressure level	Cooling (Hi/Mid/Lo/So)	dB(A)	36/30/26/20	37/32/28/20	40/37/35/28	42/38/36/28
	Heating (Hi/Mid/Lo/So)	dB(A)	36/30/26/20	37/32/28/20	40/37/35/28	42/38/36/28
Moisture removal		10 <sup>-3</sup> m³/h	1,2	1,6	2.0	2,8
<b>Outdoor</b>						
Compressor			Hitachi	Mitsubishi	Mitsubishi	Mitsubishi
Net dimension	W/D/H	mm	780/245/540	780/245/540	780/245/640	890/353/697
Package dimension	W/D/H	mm	920/351/620	920/351/620	920/351/720	1046/460/780
Net/Shipping weight		kg	25.5/28.5	26/29	33.5/37	51/56
Air flow(cooling/heating)	Max.	m³/h	1600	1700	2200	2900
Sound power level	Hi	dB	61/62	62/63	63/64	65/66
Sound pressure level	Hi	dB(A)	49/50	50/51	51/52	52/53
Running current	Max.	A	6,7	7,1	10,2	13,5
Refrigerant type	R410A/R32		R410A	R410A	R410A	R410A
Refrigerant charge	R410A/R32	g	780	780	1200	1450
Refrigerant pipe	Liquid side diameter	mm / inch	6,35	6,35	6,35	6,35
	Gas side diameter	mm / inch	9,52	9,52	12,7	12,7
	Max. pipe length/height	m	15/10	15/10	25/15	25/15
	Max. pipe length without additional charge	m	7	7	10	10
	additional charge	g/m	20	20	20	20

Rating Conditions: Cooling Indoor 27°C DB/19°C WB; Cooling Outdoor 35°C DB/24°C WB; Heating Indoor 20°C DR; Heating Outdoor 7°C DR / 6°C WR ( DR: Dry Bulb; WR: Wet Bulb )  
For detailed information about ERP, please visit our page <http://www.haier.com/ecodesign>