

**MRS**

- Full DC Inverter Technology
- Max. 1000m pipe length, Max.



Model			AP.UJNT080BTU	AP.UJNT100BTU	AP.UJNT120BTU	AP.UJNT140BTU	AP.UJNT160BTU	AP.UJNT180BTU
Capacity	Capacity Range	HP	8	10	12	14	16	18
	Cooling	kW	25	28	33.5	40	45	53
	Heating	kW	27	31.5	37.5	45	50	58.5
Power supply		V/N/Hz	380~415V 3N ~ 50Hz					
EER		kW/kW	4.33	4.03	3.85	3.67	3.52	3.31
COP		kW/kW	4.99	4.77	4.52	4.34	4.10	4.03
Rated input	Cooling	kW	5.78	6.94	8.7	10.9	12.8	16
	Heating	kW	5.41	6.6	8.3	10.38	12.2	14.5
Rated current	Cooling	A	12.5	13.4	16.4	19.6	24.1	33.5
	Heating	A	13.6	13.9	16.7	20	24	31
Refrigerant	Type		R410A					
	Charge volume	kg	8	8	10	12	12	12
Compressor	Brand	—	Samsung	Samsung	Samsung	Mitsubishi	Mitsubishi	Mitsubishi
	Type	—	Inverter scroll	Inverter scroll	Inverter scroll	Inverter scroll	Inverter scroll	Inverter scroll
	Quantity	—	1	1	1	1	1	1
	Refrigerant oil charge Volume	L	1.1	1.1	1.1	2.3	2.3	2.3
Fan	Type	—	Axial flow fan	Axial flow fan	Axial flow fan	Axial flow fan	Axial flow fan	Axial flow fan
	Quantity	—	1	1	1	1	1	1
Fan Motor	Insulation class	—	IP14	IP14	IP14	IP14	IP14	IP14
	Drive Type	—	DC	DC	DC	DC	DC	DC
Airflow rate		m³/h	12000			13980		
Connecting pipe	Liquid Pipe	mm	φ9.52		φ12.70		φ12.70	
	Gas Pipe	mm	φ22.23		φ25.40		φ28.58	
	Connection method			Brazing	Brazing	Brazing	Brazing	Brazing
ESP		Pa	0 Pa (maximum: 80 Pa)					
Sound pressure level		dB(A)	57	57	57	64	64	64
Outline dimension		mm	930x860x1710			1240x860x1710		
Package dimension		mm	1020*950*1950			1330*950*1950		
Net weight		kg	225	225	225	290	290	290
Gross weight		kg	235	235	235	300	300	300
Maximum drive IDU NO.		unit	14	16	19	22	23	24
Max. equivalent connection pipe length		m	1000	1000	1000	1000	1000	1000
Working temp.	Cooling	°C	- 5~50°C					
	Heating	°C	- 20~24°C					

Notes

- Cooling operating temperature range is from -5°C to 50°C, Heating operating temperature range is from -20°C to 24°C.
- The cooling condition:indoor side 27°C (80.6°F) DB,19°C (60°F) WB outdoor side 35°C (95°F) DB
- The heating condition:indoor side 20°C (68°F) DB,15°C (44.6°F) WB outdoor side 7°C (42.8°F) DB
- Sound level:measured at point 1m in front of the unit at a height of 1.3m. During actual operation, these values are normally somewhat higher as a result of ambient conditions.and lower as a result of ambient conditions when under ultra-silent operation
- Choosing fuse or breaker according to MFA and electrical wiring according to MCA.
- The above data may be changed without notice for future improvement on quality and performance.

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- Max. 1000m pipe length, Max.



Model			AP.UJNT200BTB	AP.UJNT220BTB	AP.UJNT240BTB	AP.UJNT260BTB	AP.UJNT280BTB	AP.UJNT300BTB	AP.UJNT320BTB
Capacity	Capacity Range	HP	20	22	24	26	28	30	32
	Cooling	kW	56	61.5	67	73	78.5	85	90
	Heating	kW	63	69	75	81.5	87.5	95	100
Power supply		V/N/Hz	380~415V 3N~50Hz						
EER		kW/kW	3.29	3.31	3.19	3.33	3.30	3.26	3.25
COP		kW/kW	3.99	3.88	3.75	4.03	3.98	3.86	3.83
Rated input	Cooling	kW	17	18.6	21	21.9	23.8	26.1	27.7
	Heating	kW	15.8	17.8	20	20.2	22	24.6	26.1
Rated current	Cooling	A	35.20	40.00	41.50	44.56	48.33	52.23	55.26
	Heating	A	34.90	35.00	36.20	40.15	46.24	49.24	53.44
Refrigerant	Type		R410A						
	Charge volume	kg	16	16	16	20	22	22	22
Compressor	Brand	—	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi
	Type	—	Inverter scroll	Inverter scroll	Inverter scroll	Inverter scroll	Inverter scroll	Inverter scroll	Inverter scroll
	Quantity	—	2	2	2	2	2	2	2
	Refrigerant oil charge Volume	L	2.30	2.30	2.30	2.30	2.30	2.30	2.30
Fan	Type		Axial flow fan	Axial flow fan	Axial flow fan	Axial flow fan	Axial flow fan	Axial flow fan	Axial flow fan
	Quantity		2	2	2	2	2	2	2
Fan Motor	Insulation class	—	IP14	IP14	IP14	IP14	IP14	IP14	IP14
	Drive Type	—	DC	DC	DC	DC	DC	DC	DC
Airflow rate		m <sup>3</sup> /h	25800			27000			
Connecting pipe	Liquid Pipe	mm	φ15.88			φ19.05			
	Gas Pipe	mm	φ28.58			φ31.75			
	Connection method			Brazing	Brazing	Brazing	Brazing	Brazing	Brazing
ESP		Pa	0 Pa (maximum: 80 Pa)						
Sound pressure level		dB(A)	64	64	64	65	65	65	65
Outline dimension		mm	1500x860x1710			1500x860x1710			
Package dimension		mm	1585*950*1950			1990*950*1950			
Net weight		kg	430	430	430	460	488	488	488
Gross weight		kg	445	445	445	475	503	503	503
Maximum drive IDU NO.		unit	33	34	35	30	33	38	40
Max. equivalent connection pipe length		m	1000	1000	1000	1000	1000	1000	1000
Working temp.	Cooling	°C	-5~50°C						
	Heating	°C	-20~24°C						

## Notes

1. Cooling operating temperature range is from -5°C to 50°C, Heating operating temperature range is from -20°C to 24°C.
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3. The heating condition: indoor side 20°C (68°F) DB, 15°C (44.6°F) WB outdoor side 7°C (42.8°F) DB
4. Sound level: measured at point 1m in front of the unit at a height of 1.3m. During actual operation, these values are normally somewhat higher as a result of ambient conditions and lower as a result of ambient conditions when under ultra-silent operation
5. Choosing fuse or breaker according to MFA and electrical wiring according to MCA.
6. The above data may be changed without notice for future improvement on quality and performance.