

# U-Match Inverter 16 SEER - Floor Ceiling



Customer Model		AUV-24UR55	AUV-36UR55	AUV-48UR55	AUV-60UR55	
Indoor Model		AUV-24UR55-IDU	AUV-36UR55-IDU	AUV-48UR55-IDU	AUV-60UR55-IDU	
Outdoor Model		AUV-24UR55-ODU	AUV-36UR55-ODU	AUV-48UR55-ODU	AUV-60UR55-ODU	
Power supply (Indoor)	V/Ph/Hz	220-230/1/60	220-230/1/60	220-230/1/60	220-230/1/60	
Power supply (Outdoor)	V/Ph/Hz	220-230/1/60	220-230/1/60	220-230/1/60	220-230/1/60	
Max. input consumption	W	4100	5100	7000	8200	
Max. input current	A	18.1	22.5	32.0	37.3	
Cooling (Declare value for Mexice)	Capacity	Btu/h	24000	36000	48000	52000
	Capacity	kW	7.03	10.50	14.07	15.24
	Capacity range	kW	2.700~7.850	2.800~11.000	3.100~16.100	3.200~17.000
	Input	W	2400	4390	6400	7560
	Current	A	10.7	19.6	28.6	33.4
	EER	W/W	2.93	2.39	2.20	2.02
Heating (Declare value for Mexice)	SEER	Btu/W	17.0	16.0	16.00	15.00
	Capacity	Btu/h	27000	39000	55000	60000
	Capacity	kW	7.91	11.40	16.12	17.58
	Capacity range	kW	2.770~9.200	3.320~12.000	3.300~18.000	2.700~19.000
	Input	W	2400	3880	5600	6310
	Current	A	10.7	17.4	24.8	27.9
Indoor fan motor	COP	W/W	3.30	2.94	2.88	2.79
	Model		SIC-70CW-F1100-6	SIC-101CW-F1181-2	SIC-101CW-F1181-2	SIC-101CW-F1181-2
	Qty		1	1	1	1
	Output	W	100	181	181	181
	Capacitor	uF	NA	NA	NA	NA
	Speed(Hi/Med/Lo)	r/min	1280/1100/920	1100/1000/900	1250/1000/800	1250/1100/950
Indoor coil	Number of rows		3	3	3	3.5
	Tube pitch(a)*row pitch(b)	mm	21x13.6	21x13.6	21x13.6	21x13.6
	Fin spacing	mm	1.5	1.5	1.5	1.5
	Fin type		Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium
	Tube outside dia.and type	mm	Φ7,innergroove tube	Φ7, innergroove tube	Φ7.0, innergroove tube	Φ7.0, innergroove tube
	Coil (LxHxW)	mm	660x336x40.8	1200x336x40.8	1200x336x40.8	1200x336x54.4
Indoor air flow Rated(Hi/Med/Lo)	m <sup>3</sup> /h	1100/950/800	1700/1500/1300	2000/1600/1200	2000/1700/1500	
Indoor air flow Rated(Hi/Med/Lo)	CFM	650/570/500	1059/941/824	1180/940/710	1180/1000/880	
ESP	Rated	Pa	NA	NA	NA	NA
	Range	Pa	NA	NA	NA	NA
Indoor noise level (Sound pressure) (Hi/Med/Lo)	dB(A)	51/48/45	52/50/47	53/48/42	53/50/47	
Indoor noise level (Sound power)	dB(A)	63	66	67	66	
Indoor unit	Dimension (WxHxD)	mm	990x230x680	1285x230x680	1580x230x680	1580x230x680
	Packing(WxHxD)	mm	1100x350x820	1400x350x820	1690x350x820	1690x350x820
	Net/Gross weight	kg	30/35	37/44	48/56	50/58
Panel	Dimension (WxHxD)	mm	---	---	---	---
	Packing(WxHxD)	mm	---	---	---	---
	Net/Gross weight	kg	---	---	---	---
Drainage water pipe diameter	mm	ODΦ25	ODΦ25	ODΦ25	ODΦ25	
Controller		Remote control	Remote control	Remote control	Remote control	
Operation temperature	°C	16~30	16~30	16~30	16~30	
Qty' per 20' /40' /40'HQ (Indoor unit)	Set	84/168/196	66/132/153	42/84/98	42/84/98	
Compressor	Model		ATF235D43UMT	ATF310D43UMT	ATH356SDPC9FL	LNH42FSCMC
	Type		ROTARY	ROTARY	ROTARY	ROTARY
	Brand		GMCC	GMCC	Hitachi	MITSUBISHI
	Capacity	Btu/h	24361	32380	34470	47699
	Input	W	1940	2600	3155	4270
	Rated current(RLA)	A	8.9	5.1	13.2	12.0
Refrigerant oil	ml	POE VG74/670	PQE VG74/1000	α 68HES-H or equivalent /1650	FV505 or PVE/1400	
Outdoor fan motor	Model		SIC-61FW-F161-1	SIC-71FW-D8121-1	YDK65-6-9061& YDK65-6-9024	YDK65-6-9061& YDK65-6-9024
	Qty		1	1	2	2
	Output	W	61	121	121	121
	Capacitor	μF	NA	NA	NA	NA
	Speed (Hi)	r/min	880	830	810	810
	Number of rows		2	2	2	2
Outdoor coil	Tube pitch(a)* row pitch(b)	mm	21x18.19	21x21.65	21x21.65	21x21.65
	Fin spacing	mm	1.4	1.3	1.5	1.4
	Fin type		Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium
	Tube outside dia.and type	mm	Φ7,innergroove tube	Φ7.94, innergroove tube	Φ7.94,innergroove tube	Φ7.94,innergroove tube
	Coil (LxHxW)	mm	900x630x43.3	970x798x43.3	970x1344x43.3	970x1344x43.3
	Number of circuits		4	5	6	8
Outdoor noise level (Sound pressure) Hi	dB(A)	53	56	56	57	
Outdoor noise level (Sound power)	dB(A)	68	70	69	73	
Throttle type		EEV	EEV	EEV	EEV	
Outdoor unit	Dimension(WxHxD)	mm	860x670x310	950x840x340	950x1386x340	950x1386x340
	Packing(WxHxD)	mm	990x730x450	1110x910x460	1110x1530x460	1110x1530x460
	Net/Gross weight	kg	51/57	70/75	113/125	117/129
Refrigerant type/Quantity	Type		R-410A	R-410A	R-410A	R-410A
	Charged volume	kg	1.70	2.80	3.78	3.95
Design pressure	MPa		4.15/1.6	4.15/1.6	4.15/1.6	4.15/1.6
Refrigerant piping	Liquid side/ Gas side	mm(inch)	Φ9.52/Φ15.88(3/8"/5/8')	Φ9.52/Φ19.05(3/8"/3/4')	Φ9.52/Φ19.05(3/8"/3/4')	Φ9.52/Φ19.05(3/8"/3/4')
	Max. pipe length	m	50	50	50	50
	Max. difference in level	m	30	30	30	30
Ambient temperature	Cooling	°C	18~43	18~43	18~43	18~43
	Heating	°C	-7~24	-7~24	-7~24	-7~24
Qty' per 20' /40' /40'HQ (Outdoor unit)	Set	90/186/186	52/106/106	26/53/53	26/53/53	
Qty' per 20' /40' /40'HQ		42/85/98	32/67/72	20/40/53	20/40/53	