



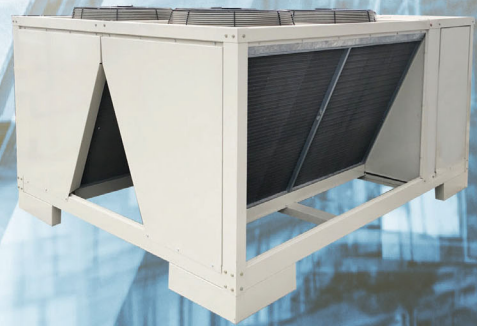
# 38ASU Series

*Air Cooled Condensing Unit*

156,000–600,000 BTUH



150S301–300S301



400S301–600S301

TT Air Engineering



World's No. 1 Air Conditioning Expert

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# 38ASU Series

## Features & Benefits

- Environment friendly with R-410A refrigerant for all range comply.
- Fully Hermetic Scroll Compressor with high efficiency and reliability.
- Dual Compressor & Dual Circuit
- Direct driven condenser fan
- High & Low pressure switches
- Small footprint
- Shut off service valves
- Core senses for compressor (for 38ASU400-500)
- Module Protection for compressor (for 38ASU600)

## Optional

- Single circuit with Tandem Compressor
- Control module Protection (for 38ASU150-300)
- Copper fin / Blue fin
- Phase Protector

## Physical data

Description		Air Cooled Condensing Unit							
Product Model	38ASU	150S301	200S301	240S301	300S301	400S301	500S301	600S301	
Power Supply	V/Ph/Hz	380Volt / 3Phase / 50Hz. (4wires)							
Nominal Cooling Capacity	W	45,700	58,600	70,300	87,900	117,200	146,500	175,800	
	Btu/hr.	156,000	200,000	240,000	300,000	400,000	500,000	600,000	
Power Consumption	W	13,380	17,630	22,260	26,760	33,270	42,520	56,320	
Operating Current	Amp.	25.50	33.30	42.30	55.00	59.80	79.10	100.50	
Compressor	Power Supply	380/3/50							
	Compressor Type	Scroll							
	LRA (Each)	Amp.	101.0	118.0	153.0	174.0	219.0	287.5	310.0
	QTY		2	2	2	2	2	2	2
Fan Motor	Power Supply	380/3/50							
	Power Input (Each)	W	366	366	630	630	366	630	630
	RLA (Each)	Amp.	1.00	1.00	2.21	2.21	1.00	2.21	2.21
	Fan Type	Propeller							
	QTY		2	2	2	2	4	4	4
	P-Fan Diameter	inch	24	24	28	28	24	28	28
Drive Type	Direct								
Safety Device	Hi-Pressure Switch	psig	600 ±25 / 420 ±15 (Cut out / Cut in) - Auto Restart type						
	Low-Pressure Switch	psig	65 ±5 / 115 ±5 (Cut out / Cut in) - Auto Restart type						
Refrigerant	Type	R-410A							
	Pre-Charging from Factory	kg.	1.00 x 2	1.00 x 2	1.50 x 2	2.00 x 2	2.00 x 2	2.00 x 2	2.00 x 2
Piping Connections (2 Circuits)	Liquid	Q'ty.....inch	2.....1/2 (Flare)	2.....1/2 (Flare)	2.....1/2 (Flare)	2.....5/8 (Flare)	2.....7/8 (Flare)	2.....7/8 (Flare)	2.....7/8 (Flare)
	Suction	Q'ty.....inch	2.....7/8 (Flare)	2.....1-1/8 (Brazing)	2.....1-1/8 (Brazing)	2.....1-1/8 (Brazing)	2.....1-3/8 (Brazing)	2.....1-5/8 (Brazing)	2.....1-5/8 (Brazing)
Dimension	Height	mm.	970	970	1,122	1,122	1,300	1,580	1,580
	Width	mm.	1,940	1,940	1,940	1,940	2,050	2,135	2,135
	Depth	mm.	1,040	1,040	1,040	1,040	2,795	3,020	3,020
Weight	kg.	390	450	480	510	950	1,100	1,200	

\* RATING CONDITION: OUTDOOR AMBIENT TEMPERATURE 95°

## Electrical Data

Unit Model	Power Supply	Voltage Range		Compressor			Fan Motor		Recommended		
		Min	Max	Q'TY	RLA / Each	LRA	Q'TY	RLA / Each	Power Wire (mm.2)	Ground Wire (mm.2)	Field CB (AT)
38ASU150S301	380V/3Ph/50Hz	342	415	2	12.4	101	2	1.00	10	4	40
38ASU200S301	380V/3Ph/50Hz	342	415	2	16.6	118	2	1.00	16	6	50
38ASU240S301	380V/3Ph/50Hz	342	415	2	19.8	153	2	2.21	25	6	60
38ASU300S301	380V/3Ph/50Hz	342	415	2	26.3	174	2	2.21	35	10	80
38ASU400S301	380V/3Ph/50Hz	342	415	2	29.2	219.0	4	1.00	35	10	100
38ASU500S301	380V/3Ph/50Hz	342	415	2	36.8	287.5	4	2.21	50	16	125
38ASU600S301	380V/3Ph/50Hz	342	415	2	48.1	310.0	4	2.21	95	16	150

Remark : RLA : Rated Load Amps. LRA : Locked Rotor Amps. Cable type : THW  
 Type of conductor is installed : Insulated single core cables up to 3 lines. Or  
 Insulated sheathed cables up to 3 axes in a pipe in the air in a pipe buried in the wall plaster. or in a pipe in the ceiling



150S301-300S301



400S301-600S301

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