

BROCHURE

Single Condenser

ThermalTrue®
HVAC & R

Single Condenser Series SCU-M2



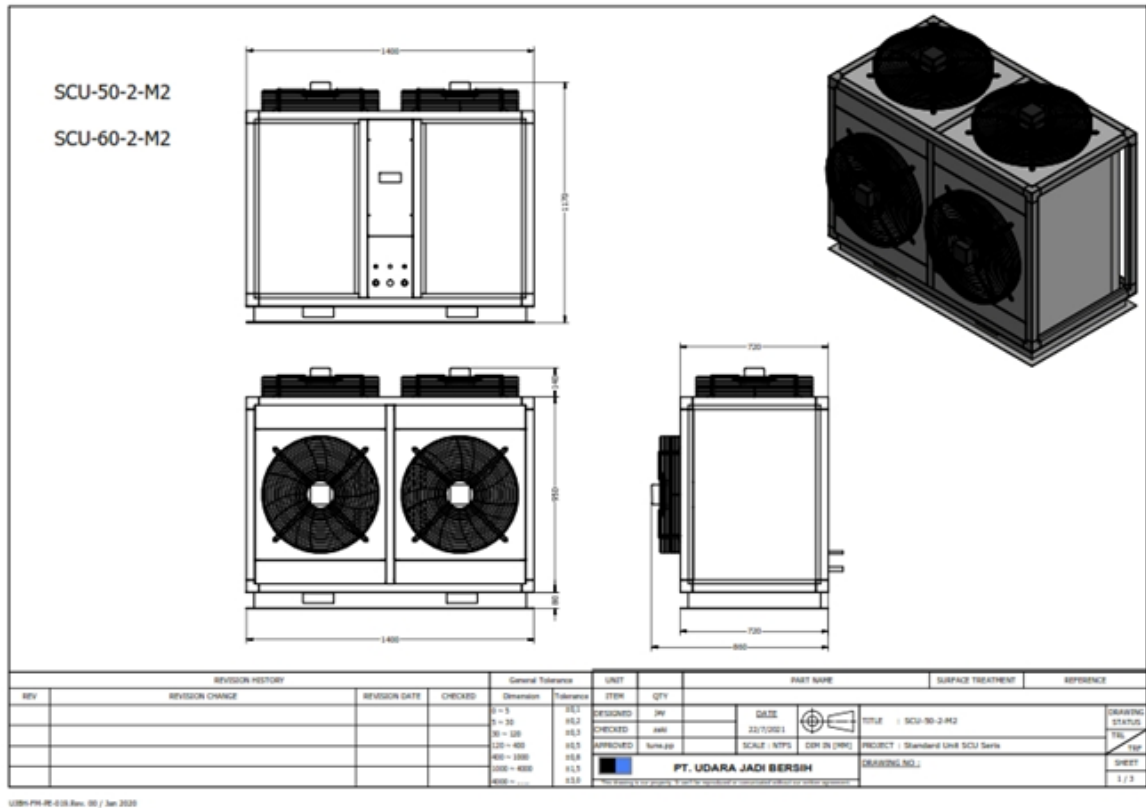
SCU	20, 25, 30, 40, 50, 60, 75, 90, 100, 125, 150 30, 40, 50, 60, 75, 100, 125, 150 150, 200, 250, 300 150, 200, 250, 300, 400, 500 300, 400, 500, 600	L TF M1 M2 V1 V2	X407 X410	SA/HA/CA
Series	Capacity in kBTU/h	Sub Series	R407c	SA : Std Ambient 35°C HA : High Ambient 45°C CA : Corrosive Ambient EX : Explosive Ambient

Single Condensing Unit SCU-M2 Series			Model	SCU100M2	SCU120M2	SCU150M2	SCU200M2	SCU250M2	SCU300M2	
GENERAL DATA										
CAPACITY	Total Capacity	Btu/h	100,000	120,000	150,000	200,000	250,000	300,000		
		kW	29	35	44	59	73	88		
		kCal/h	25,192	30,230	37,788	50,384	62,980	75,576		
AIR FLOW		CFM	9.747	9.747	13.214	12.479	12.125	15.854		
		CMH	16.560	16.560	22.450	21.200	20.600	26.934		
		L/s	4.600	4.600	6.236	5.889	5.722	7.482		
CASING	Frame	Powder Coated Anodised extruded aluminium profile and corner piece								
	Panel	GI with Powder Coat Finish								
DIMENSION	Height	mm	1,045	1,045	1,045	1,045	1,045	1,045		
	Width	mm	1,400	1,400	1,560	1,560	1,560	2,020		
	Depth	mm	730	730	810	810	810	890		
CONNECTION	Type	Braze Joint								
	Gas	in	7/8	7/8	1 1/8	1 3/8	1 3/8	1 3/8		
	Liquid	in	3/8	1/2	1/2	5/8	3/4	5/8		
COIL SPECIFICATION										
COIL	Type	Aluminium fin mechanically bonded to seamless copper tube								
	Face Area	m2	2.50	2.50	2.82	2.82	2.82	3.44		
	Entering (DB/WB)	°C/°C	35.0/24.0	35.0/24.0	35.0/24.0	35.0/24.0	35.0/24.0	35.0/24.0		
	Leaving (DB/WB)	°C/°C	43.2/26.1	43.2/26.1	43.5/26.2	46.6/26.9	47.7/27.2	47.4/27.1		
	Face Velocity	m/s	1.84	1.84	2.21	2.09	2.03	2.17		
	ΔP	Pa	18	18	31	40	47	53		
FAN & MOTOR SPECIFICATION										
FAN	Type	Coated GI Fan Blade with External Rotor Motor & Fan Guard								
	Diameter	mm	550	550	630	630	630	710		
	Quantity	Set	2	2	2	2	2	2		
	Power Supply	V-Ø-Hz	380/415-3-50							
	Rated Running Current (Each)	A	1.2	1.2	1.6	1.6	1.6	1.9		
	Rated Power Input (Each)	W	600	600	800	800	800	900		
COMPRESSOR										
COMPRESSOR	Type	Hermetic Scroll (R407c Series)								
	Capacity	Hp	5.0	6.0	7.5	10.0	12.5	15.0		
	Quantity	Set	2	2	2	2	2	2		
	Power Supply	V-Ø-Hz	380/415-3-50							
	Rated Cooling Capacity	kW	14.3	16.6	23.0	30.2	34.6	44.0		
	Rated Running Current (Each)	A	7.7	9.1	12.8	16.0	17.7	26.5		
	Rated Power Input (Each)	kW	4.5	5.2	7.0	9.0	10.2	13.7		
	COP		3.17	3.22	3.31	3.37	3.41	3.22		
	Electrical	Contactor & Overload; Over Voltage and Phase protector								
Pressure Switch	High & Low Pressure Switch									

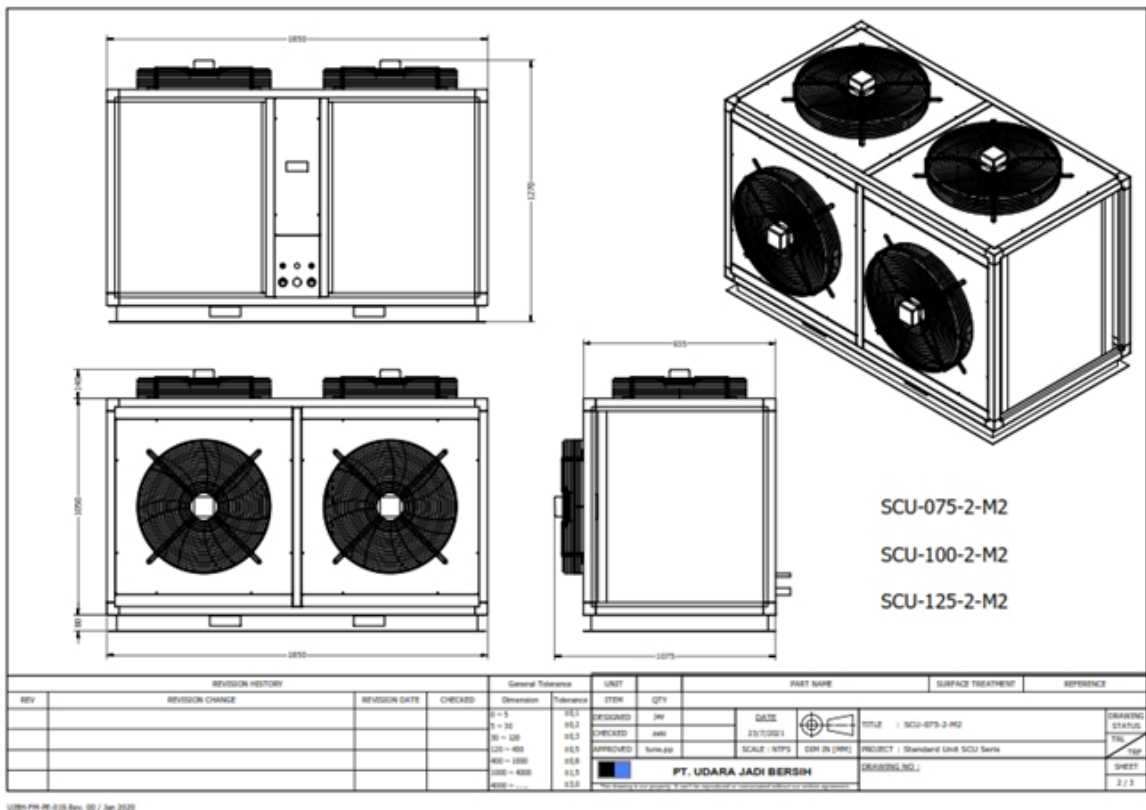


GENERAL ASSEMBLY DRAWING

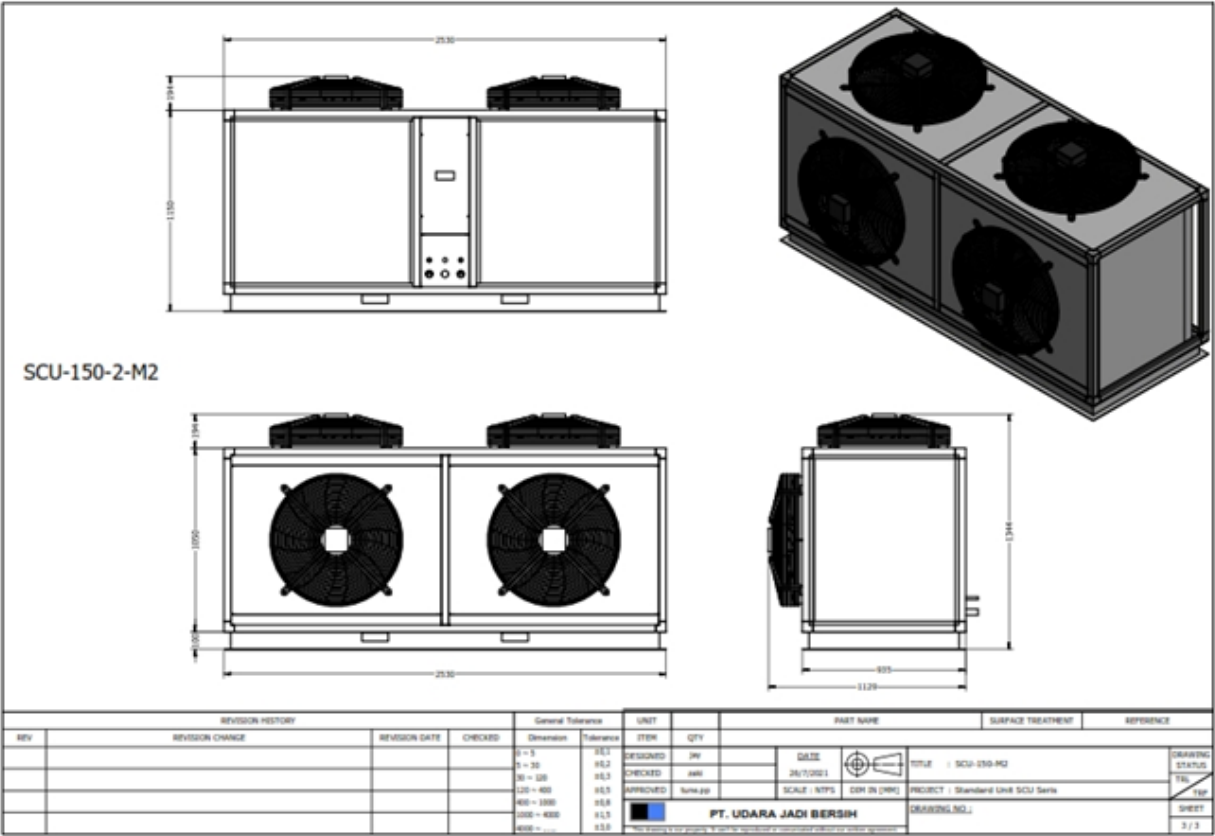
SCU50.2_60.2M2



SCU75.2_125.2M2



● SCU150.2M2





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