

BROCHURE

Single Condenser

ThermalTrue®
HVAC & R

Single Condenser Series SCU-TF





NOMENCLATURE

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

SPECIFICATION

SINGLE CONDENSING UNIT-DX407 TF		Model	SCU30TF	SCU40TF	SCU50TF	SCU60TF
GENERAL DATA						
CAPACITY	Total Capacity	Btu/h	30.000	40.000	50.000	60.000
		kW	8,8	11,7	14,6	17,6
AIR FLOW		CFM	3.532	3.532	3.532	3.532
		CMH	6.000	6.000	6.000	6.000
CASING	Frame	Anodised extruded aluminium profile and nylon corner piece				
	Panel	GI with Powder Coat Finish				
DIMENSION	Height	mm	980	980	1.035	1.080
	Depth	mm	543	543	471	543
	Width	mm	969	969	1.000	969
CONNECTION	Type	Braze Joint				
	Gas	in	5/8	3/4	3/4	3/4
	Liquid	in	3/8	3/8	3/8	1/2
COIL SPECIFICATION						
COIL	Type					
	OD	in.	3/8"	3/8"	3/8"	3/8"
	R		1	2	2	2
	FPI		16	12	14	12
	FW	mm	22	43	43	43
	TH		36	36	40	40
	FH	mm	900	900	1.000	1.000
	FL	mm	809	809	809	809
	Circuit		3	4	4	5
	No. of Coil per Set	N	1	1	1	1
	Face Area	m2	0,73	0,73	0,81	0,81
	Entering (DB/WB)	°C/°C	35.0/24.0	35.0/24.0	35.0/24.0	35.0/24.0
	Leaving (DB/WB)	°C/°C	40.8/25.5	43.5/26.2	44.8/26.5	43.9/26.3
	Face Velocity	m/s	2,29	2,29	2,06	2,06
	ΔP	Pa	26	33	33	39
FAN & MOTOR SPECIFICATION						
FAN	Type		Coated GI Fan Blade with External Rotor Motor & Fan Guard			
	Diameter	mm	400	400	400	400
	Quantity	Set	2	2	2	2
	Power Supply	V-Ø-Hz	380/415-3-50			
	Motor Capacity (Each)	W-Pole	180W-4P	180W-4P	180W-4P	180W-4P
	Rated Running Current (Each)	A	0,94	0,94	0,94	0,94
	Rated Power Input (Each)	W	180	180	180	180
COMPRESSOR SPECIFICATION						
COMPRESSOR	Type		Hermetic Scroll (R407c Series)			
	Diameter	mm	ZR40K3E	ZR48K3E	ZR61KCE	ZR72KCE
	Quantity	Set	1	1	1	1
	Power Supply	V-Ø-Hz	380/415-3-50			
	Rated Cooling Capacity	kW	9,2	11,4	14,0	16,6
	Maximum Operating Current	A	5,4	6,6	11,0	9,1
	Rated Power Input (Each)	kW	3,0	3,6	4,5	5,2
	COP		3,06	3,15	3,15	3,22
	Electrical		Contactor & Overload			
	Pressure Switch		High & Low Pressure Switch			



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