



ALFOURAD الفـؤاد
Air Conditioning لأعمال التكييف والصيانة

ROOFTOP PACKAGE UNIT

AIR CONDITIONERS

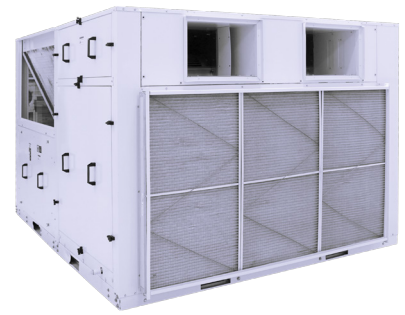
Capacity 3-25TR G2

3RTH - 60Hz

R410A

سكاي ستار





3RTH 3-25TR

TECHNICAL SPECIFICATIONS							
MODEL/UNIT			3RTH0365C1	3RTH0485C1	3RTH0605C1	3RTH072EC1	3RTH090EC1
NOMINAL Capacity		TR	3	4	5	6	7.5
RATED CAPACITY @T1 *	Cooling	Btu/Hr	36,000	48,000	58,000	71,000	92,000
RATED POWER CONSUMPTION @T1		W	3,200	4,250	5,150	6,300	8,200
EER @T1 *			11.25	11.30	11.25	11.25	11.20
RATED CAPACITY @T3 **	Cooling	Btu/Hr	32,000	40,000	51,000	58,000	81,000
RATED POWER CONSUMPTION @T3 **			4,000	5,000	6,200	7,100	9,700
EER @T3 **			8.00	8.00	8.25	8.20	8.35
EXTERNAL STATIC PRESSURE			0.15	0.2	0.2	0.25	0.25
NOMINAL AIR FLOW		CFM	1,200	1,500	1,950	2,400	3,000
REFRIGERATION CIRCUIT	Standard	NOS	1				
ELECTRICAL DATA	POWER SUPPLY	V-PH-HZ	208-230V-1Ph-60Hz			380/400V-3PH-60Hz	
Refrigerant	Type		R410A				
CONDENSER FAN	Type		Propellor				
	Size-Diameter std	INCH	22"	22"	26"	26"	26"
	Quantity		1	1	1	1	1
CONDENSER MOTOR	Power Supply	V-PH-HZ	208-230V-1Ph-60Hz				
CONDENSER COIL	Motor Power	HP	0.33	0.33	0.75	0.75	0.75
	Type		Corrugated Aluminium Fin with Inner grooved copper coil				
	Tube size(O.D)	INCH	3/8"				
	ROW/FPI		1R/18FPI	2R/14FPI	3R/14FPI	4R/14FPI	4R/15 FPI
EVAPORATOR BLOWER	Number of Coils		1	1	1	1	1
	Type		Centrifugal				
	Quantity		1				
	DIA X WIDTH	INCH	11" X 9"	11" X 9"	11" X 9"	12" X 12"	15" X15"
BLOWER MOTOR	Drive type/Motor step		DIRECT	DIRECT	DIRECT	BELT/1	BELT/1
	Power Supply	V-PH-HZ	208-230V-1Ph-60Hz			380/400V-3PH-60Hz	
	Quantity		1	1	1	1	1
	Motor Power	HP	0.75	0.75	1	1.5	1.5
EVAPORATOR COIL	Type		Corrugated Aluminium Fin with Inner grooved copper coil				
	Tube size(O.D)	INCH	3/8"				
	ROW/FPI		3R/16FPI	3R/16FPI	4R/16 FPI	3R/16 FPI	4R/16 FPI
CONDENSATE DRAIN SIZE	INCH	INCH	1"	1"	1"	1"	1"
REFRIGERANT CONTROL	TYPE		TXV				
UNIT DIMENSIONS		WxDxH (mm)	1790 x 1024 x 1049	1790 x 1024 x 1049	1790 x 1024 x 1049	1790 x 1024 x 1161	2028 x 1024 x 1160
UNIT WEIGHT		KG	352	374	394	452	515

MODEL/UNIT			3RTH120EC2	3RTH150EC2	3RTH180EC2	3RTH216EC2	3RTH240EC2	3RTH300EC2
NOMINAL Capacity		TR	10	12.5	15	18	20	25
RATED CAPACITY @T1 *	Cooling	Btu/Hr	125,000	144,000	180,000	223,000	248,000	282,000
RATED POWER CONSUMPTION @T1		W	11,150	13,000	16,000	20,000	24,800	28,000
EER @T1 *			11.20	11.10	11.25	11.15	10.00	10.00
RATED CAPACITY @T3 **	Cooling	Btu/Hr	112,000	125,000	164,000	195,000	216,000	244,000
RATED POWER CONSUMPTION @T3 **			13,400	15,000	19,500	24,500	28,600	33,500
EER @T3 **			8.35	8.35	8.40	7.95	7.55	7.30
EXTERNAL STATIC PRESSURE			0.3	0.3	0.4	0.4	0.4	0.4
NOMINAL AIR FLOW		CFM	4,100	5,000	5,800	7,300	8,100	8,200
REFRIGERATION CIRCUIT	Standard	NOS	2					
ELECTRICAL DATA	POWER SUPPLY	V-PH-HZ	380/400V-3PH-60Hz					
Refrigerant	Type		R410A					
CONDENSER FAN	Type		Propellor					
	Size-Diameter std	INCH	26"	30"	30"	26"	26"	26"
	Quantity		2	2	2	4	4	4
CONDENSER MOTOR	Power Supply	V-PH-HZ	380/400V-3PH-60Hz			208-230V-1Ph-60Hz		
CONDENSER COIL	Motor Power	HP	0.5	1.5	1.5	0.5	0.5	0.75
	Type		Corrugated Aluminium Fin with Inner grooved copper coll					
	Tube size(O.D)	INCH	3/8"					
	ROW/FPI		3R/15 FPI	4R/16 FPI	3R/14 FPI	3R/14 FPI	3R/14 FPI	3R/14 FPI
EVAPORATOR BLOWER	Number of Coils		2	2	4	2	2	2
	Type		Centrifugal					
	Quantity		1					
	DIA X WIDTH	INCH	15" X15"	18" X18"	15" X15" - Twin	15" X15" - Twin	15" X15" - Twin	15" X15" - Twin
BLOWER MOTOR	Drive type/Motor step		BELT/1	BELT/1	BELT/1	BELT/1	BELT/1	BELT/1
	Power Supply	V-PH-HZ	380/400V-3PH-60Hz					
	Quantity		1	1	1	1	1	1
EVAPORATOR COIL	Motor Power	HP	3	3	3	5	5	5
	Type		Corrugated Aluminium Fin with Inner grooved copper coll					
	Tube size(O.D)	INCH	3/8"					
CONDENSATE DRAIN SIZE	ROW/FPI		4R/16 FPI	4R/16 FPI	4R/14 FPI	4R/14 FPI	4R/14 FPI	4R/14 FPI
	INCH	INCH	1"	1"	1"	1"	1"	1"
REFRIGERANT CONTROL	TYPE		TXV					
UNIT DIMENSIONS		WxDxH (mm)	2127 x 1900 x 1569	2092 x 2030 x 1520	2548 x 2150 x 1755	3312 x 2150 x 2100	3312 x 2150 x 2100	3312 x 2150 x 2100
UNIT WEIGHT		KG	819	882	1274	1580	1601	1615

*Cooling Capacity & EER are rated @ 80.6°F DBT/66.2°F WBT indoor and 95°F DBT outdoor.
** Cooling Capacity & EER are rated @ 84.2°F DBT/66.2°F WBT indoor and 115°F DBT outdoor .
As a result of continous research and development, the above specifications are subject to changes without notice.