SDA PACKAGE DEHUMIDIFIER

COMPACT DEHUMIDIFIER - 5.5 LBS/HR TO 26.5 LBS/HR

SDA indoor packaged R410A dehumidification unit with optional air or water-cooled air conditioning for light commercial and residential dehumidification applications (greenhouses, restaurants, warehouses, storage facilities, etc...)

STANDARD FEATURES

- EC plenum fan motor
- 24V terminal strip for thermostat connection
- Refrigerant high and low pressure cut-out switches
- Access ports on high and low sides
- Thermostatic expansion valve
- Rotary (models 012 and 016) or scroll compressor (models 024 to 060)
- Epoxy fin coils
- Pre-painted G90 galvanized casing with 1/2" insulation
- 2" Merv 8 filter
- Full reheat

OPERATING RANGE

- Entering air temperature: 70°F thru 100°F DB
- Relative humidity: 40% thru 70%
- ESP - direct drive up to 0.5"

OPTIONAL FEATURES

- Multi discharge options
- Aqua Aero coated coils
- Copper fin coils
- Non-fused disconnect
- Compressor sound cover
- Partial reheat
- Air or water-cooled option
- Remote air-cooled condenser
- Merv 11 or 13 filters
- Humidistat/thermostat
- DDC controls w/BACnet
- Portable Kit (models 012 and 016 only)

SDA SERIES (COMPACT DEHUMIDIFIER)

Model	Moisture Removal[1]	Nominal	Sensible[1] Cooling	MCA[2] (60Hz)					Dimensions[3] (in)			Approx Weight
SDA	LB/H	CFM	Btu/h	115/1	208 230/1	208 230/3	460/3	575/3	L	W	H	Lbs
012	5.5	300	7600	11	9	-	-	-	29	23	18	195
016	6.7	400	9550	-	11	-	-	-	29	23	18	205
024	11.6	565	15700	-	22	15	9	6	38	27	18	310
030	13.1	660	17900	-	24	17	9	6	38	28	18	340
038	16.8	840	23100	-	27	21	11	8	43	30	22	420
048	20.3	970	27150	-	31	22	11	10	43	30	22	455
060	26.5	1280	35650	-	42	30	15	12	51	36	22	565

1: At air on 80°F and 60% RH
2: External Static Pressure at 0.5" WG
3: Add 6" for filter rack and 1" for supply duct connection

Data subject to change without prior notice

SDS PACKAGE DEHUMIDIFIER

NATATORIUM DEHUMIDIFIER - 12 LBS/HR TO 58 LBS/HR

SDC/SDN indoor packaged dehumidification unit with optional air or water-cooled air conditioning for residential or commercial natatorium dehumidification applications.

STANDARD FEATURES

- Pre-painted G90 galvanized casing with 1/2" insulation
- Horizontal and vertical configuration
- EC plenum fan motor with adjustable pulley
- Refrigerant high and low pressure cut-out switches
- Cupro-nickel co-axial pool water condenser
- Access ports on high and low sides
- DDC controls
- Merv 8 filter
- Aqua Aero coated coils

OPTIONAL FEATURES

- Multi discharge options
- Non-fused disconnect
- Forward curve belt driven fan
- 4-year extended compressor warranty
- Merv 11 or 13 filters
- BACnet card
- Compressor sound cover
- Air or water-cooled option
- Remote air-cooled condenser

OPERATING RANGE

- Entering air temperature: 70°F thru 100°F DB
- Relative humidity: 40% thru 70%

SDS SERIES (Commercial Dehumidifier)											
Model	**Moisture Removal[1]**	**Nominal**	**Sensible[2] Cooling**	**Unit MCA(60Hz)[3]**				**Dimensions[4] (")**			**Net Weight**
	Lb/H	**CFM**	**Btu/h**	**208-230/1**	**208-230/3**	**460/3**	**575/3**	**L**	**W**	**H**	**Lbs**
SDS026	11.95	1000	16,888	19	17	9	6	54	36	30	490
SDS036	16.2	1350	22,460	27	21	11	8	54	36	30	510
SDS051	23.7	2000	33,100	40	27	13	20	54	36	30	570
SDS060	30	2500	41,960	46	31	17	12	60	43	30	720
SDS072	33.5	3000	47,760	53	36	19	13	60	43	30	730
SDS083	39.6	3500	55,610	n/a	39	18	14	84	52	48	1120
SDS090	42.6	3800	60,950	n/a	42	19	15	84	52	48	1170
SDS103	50.3	4800	72,760	n/a	49	26	20	84	64	57	1440
SDS120	58.3	5500	83,490	n/a	53	28	20	84	64	57	1475
SDS137	65.5	5700	92,250	n/a	71	28	23	84	64	57	1800
SDS154	73.3	6400	106,700	n/a	75	34	29	84	64	57	1900

1: At air on 82°F and 60% RH
2: At air on 82°F and 50% RH
3: External Static Pressure at 1" WG
4: Filter holder and supply air connections not included

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OUTDOOR REMOTE AIR COOLED CONDENSER - 43,500 BTU/HR TO 440,000 BTU/HR

CDS outdoor remote air cooled condensers are designed for R410A operation and can be used for both residential or commercial applications.

STANDARD FEATURES

- Top discharge dissipates sound away
- ï¿½Pre-painted galvanized cabinet
- Efficient AC axial fans
- Galvanized G90 steel casing
- Sweat-type refrigerant coil connections
- Front access electrical service panel

OPTIONAL FEATURES

- Non-fused disconnect
- Pre-painted galvanized steel cabinet
- EC axial fan w/pressure controller
- Copper or Epoxy fin coating
- Aqua Aero coated coils
- Dry-type fluid cooler application (FDS)
- Low ambient operation

OPERATING RANGE

- Entering air temperature:
  -40°F thru 100°F DB

CDS SERIES (AIR COOLED CONDENSER)														
MODEL #	MAX # OF CIRCUITS	THR (MBH) @R410a				FAN ARR.		CONN. SIZE[1]		CONN. SIZE[1], 2 COMP		REF. CHARGE LBS.[2]		WEIGHT
		TEMPERATURE DIFFERENCE				WIDE	LONG	DISCH.	LIQUID	DISCH.	LIQUID	SUMMER	WINTER	LBS
		1	15	20	25									
CDS-044	1	1.8	26.4	35.2	44.0	1	1	5/8ï¿‰	1/2ï¿‰			2.9	9.1	150
CDS-066	1	2.6	39.5	52.6	65.8	1	1	5/8ï¿‰	1/2ï¿‰			4.4	13.7	170
CDS-085	1	3.3	50.0	66.6	84.5	1	1	3/4ï¿‰	1/2ï¿‰			5.8	18.3	185
CDS-098	2	3.9	58.5	78.0	97.5	1	2	7/8ï¿‰	5/8ï¿‰	2 X 5/8ï¿‰	2 X 1/2ï¿‰	5.4	17.0	290
CDS-110	1	4.4	66.0	88.0	110.0	1	1	7/8ï¿‰	5/8ï¿‰			8.2	25.7	220
CDS-131	2	5.2	78.3	104.4	130.5	1	2	7/8ï¿‰	5/8ï¿‰	2 X 5/8ï¿‰	2 X 1/2ï¿‰	8.1	25.4	320
CDS-175	2	6.8	102.0	136.0	170.0	1	2	1-1/8ï¿‰	3/4ï¿‰	2 X 3/4ï¿‰	2 X 1/2ï¿‰	10.8	33.9	350
CDS-196	2	7.8	117.6	156.8	196.0	2	2			2 X 7/8ï¿‰	2 X 5/8ï¿‰	10.8	34.0	550
CDS-220	2	8.8	132.0	176.0	220.0	1	2	1-1/8ï¿‰	3/4ï¿‰	2 X 7/8ï¿‰	2 X 5/8ï¿‰	15.3	48.2	425
CDS-262	2	10.5	157.2	209.6	262.0	2	2			2 X 7/8ï¿‰	2 X 5/8ï¿‰	16.2	50.8	615
CDS-350	2	14.0	210.0	280.0	350.0	2	2			2 X 1/8ï¿‰	2 X 3/4ï¿‰	21.6	67.8	680
CDS-440	2	17.6	264.0	352.0	440.0	2	2			2 X 1/8ï¿‰	2 X 3/4ï¿‰	30.6	96.4	820

1: Maximum 50 FT equivalent distance. Condenser location above or same level of the unit. Operating range from -20 degree F to 100 Degree F
2: Refrigerant summer charge base on 100ï¿‰ F, 30% liquid and 70% vapour

2: Refrigerant winter charge base on -20ï¿‰ F, 90% liquid and 10% vapour
2: Refrigerant charge is total charge.
For two circuits unit each circuit refrigerant charge will be 50% of table refrigerant charge

IRD PACKAGE DEHUMIDIFIER

ICE RINK DEFOGGER - 6.5 LBS/HR TO 21 LBS/HR

IRD indoor packaged R448A dehumidification unit specifically designed for optimal airflow and maximum moisture removal for arenas (skating, hockey, curling)

STANDARD FEATURES

- Refrigerant components out of air stream to ease service accessibility
- Forward curve fan with adjustable pulley
- Continuous fan operation to prevent humidity build-up on off cycle
- Humidistat
- Innovative demand defrost system for quick and efficient defrost
- Heated stainless steel drain pan
- True sub-cooling circuit
- Refrigerant high and low pressure cut-out switches
- External high and low pressure service access valves and sight glass
- Thermostatic expansion valve
- Pre-painted G90 galvanized casing
- 2" Merv 8 filter

OPERATING RANGE

- Entering air temperature: 34ï¿½F thru 80°F DB
- Relative humidity: 50% thru 100%
- ESP - up to 2.0"

OPTIONAL FEATURES

- Aqua Aero coated coils
- Non-fused disconnect
- Compressor sound cover
- DDC control w/humidistat
- BACnet
- Air supply diffuser
- Plenum fan motor

IRD SERIES (ICE RINK DEFOGGER)

Model	Moisture Removal[1]	Nominal	MCA[2] (60Hz)				Dimensions[3] (in)			Net Weight
IRD	LB/H	CFM	208 230/1	208 230/3	460/3	575/3	L	W	H	Lbs
020	6.5	1200	30	17	8	7	36	24	32 1/2	384
035	11.5	2800	44	30	14	10	60	48	37 1/2	950
050	14.5	3400	38.4	29.4	15.4	11.6	60	48	37 1/2	1000
075	17.5	4000	-	35.9	20.3	20	60	48	37 1/2	1080
100	21.0	5500	-	51.6	24.6	17.3	60	48	54 3/4	1300

1: At air on 60°F and 50% RH
2: External Static Pressure at 0.5" WG
3: Filter holder and supply air connections not included

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