



**IRD  
ICE RINK  
DEFOGGER®**

- Indoor packaged dehumidifier specifically designed for arenas (skating, hockey, curling)
- Engineered for high airflow with design techniques to maintain optimal airflow through the dehumidification coil and maximize moisture removal
- True sub-cooling circuit to improve system efficiency
- Contributes to space heating
- Units are factory assembled, wired, charged & tested.

**QUALITY FEATURES**

- Airflow separated from all refrigeration components, inhibits corrosion
- Suction line heat exchanger to protect the compressor from liquid slugging during the defrost cycle
- Continuous fan operation to prevent humidity build-up on off cycle
- Satin-coated steel casing with powder paint finish
- Demand defrost system
- Stainless steel heated drain pan with large 1-1/4" MPT drain connection
- External high & low pressure service access valves and sight glass
- Innovative design for short defrost cycles giving more operational time
- Hot gas defrost, quick, efficient, to minimize compressor cycling
- Integral anchoring rails included in the casing
- Easy access for service while unit in operation
- Voltages available:  
208-230/1/60  
208-230, 460, 575/3/60



**OPERATING RANGE**

- Entering air  
30°F thru 80°F DB
- Relative Humidity  
50% thru 100%

**OPTIONS AVAILABLE**

- Air supply diffuser
- HyPoxy® coated fin coils

Guidelines for unit selection Application	Number of units		
	IRD 050	IRD 075	IRD 100
Curling-up to 4 rinks	1		
Curling-more than 4 rinks	2		
Skating-with no spectators	1		
Skating-up to 500 spectators (1 side of rink)	2		
Skating-500 to 1000 spectators (2 sides of rink)	3	Or 2	
Skating-1000 to 1500 spectators ( 4 sides)	4	Or 3	
Multiple ice surfaces			X

Model	Nominal cfm	Moisture Removal lb/hr	Unit amps (60 Hz)				Dimensions (in.)			Net Weight lb
			208-230/1	208-230/3	460/3	575/3	W	H	D	
IRD 050	4500	22.4	46.8	27.8	13.2	10.4	60	37.5	48	820
IRD 075	5500	29.9		39.1	20.3	15.9	60	37.5	48	895
IRD 100	7000	35.9		45.4	20.5	16.4	75.5	55	56.5	1070
IRD 150	10000	55.0		81.8	37.4	29.9	75.5	55	56.5	1400

1. At air on 60°F DB and 70% RH

**Note:** The information in this catalogue is accurate at the time of printing. However, in keeping with company policy to continuously improve our products and maintain our technological edge, we reserve the right to change designs and specifications without notice.