

Air Mover & Dehumidifier Worksheet

Initial equipment placement for one drying chamber. Adjust daily based on readings.

JOB #

JOB NAME

CHAMBER

WATER CLASS

CATEGORY

DATE

TECH

Step 1 — Chamber dimensions

Measure	Value	Unit
Length		
Width		
Ceiling height		
Wet wall perimeter (linear ft)		
Wet floor area (L × W)		
Cubic feet (L × W × H)		

Step 2 — Air movers

Line	Calculation	Air movers
Walls: 1 per 10–16 linear ft of wet wall		
Wet ceiling: ~1 per 150–200 SF		
Offsets / insets / closets: +1 each		
Total air movers		

Step 3 — Dehumidification (cubic feet ÷ factor = AHAM pints/day)

Water class	Conventional refrigerant factor	LGR factor
Class 1	100	100
Class 2	50	60
Class 3	40	50
Class 4	40	45

Line	Value	Notes
Cubic feet ÷ factor = pints/day needed		
Dehumidifier rated capacity (AHAM pints/day)		
Units required (round up)		
Air scrubbers / AFDs (if Cat 2/3 or occupants)		

Factors follow the common cubic-feet-divided-by-factor method used in water damage restoration (IICRC S500). They are a starting point, not a substitute for monitoring: re-check GPP, grain depression, and material readings every visit and add or remove equipment to match. Class 4 (bound water in dense materials) typically needs specialty drying — treat the result as a minimum. Always confirm against the current edition of the standard.