



# CLOSED LOOP EVAPORATIVE COOLERS

Air Solutions Group  
Davidson, NC 28036

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## FORCED DRAFT DESIGN



| Model No. | WEIGHTS  |           |                   | FANS  |        | SPRAY PUMP |     | REMOTE SUMP     |            | Coil Volume Gallons | DIMENSIONS |             |
|-----------|----------|-----------|-------------------|-------|--------|------------|-----|-----------------|------------|---------------------|------------|-------------|
|           | Shipping | Operating | Heaviest Section† | HP*   | CFM    | HP         | GPM | Gallons Req'd** | Conn. Size |                     | Height     | Length      |
| IR 25E-1  | 2,250    | 3,310     | 2,250††           | 5     | 12,100 | 3/4        | 120 | 80              | 4"         | 41                  | 6' 8-1/2"  | 5' 11-7/8"  |
| IR 25E-2  | 2,670    | 3,840     | 1,680             | 5     | 11,900 | 3/4        | 120 | 80              | 4"         | 59                  | 7' 4"      | 5' 11-7/8"  |
| IR 25E-3  | 3,030    | 4,310     | 2,040             | 5     | 11,700 | 3/4        | 120 | 80              | 4"         | 77                  | 7' 11-1/2" | 5' 11-7/8"  |
| IR 50E-1  | 3,470    | 4,870     | 2,430             | 7-1/2 | 13,100 | 3/4        | 120 | 80              | 4"         | 95                  | 8' 7"      | 5' 11-7/8"  |
| IR 50E-2  | 3,850    | 5,610     | 2,430             | 7-1/2 | 17,800 | 1          | 180 | 120             | 6"         | 83                  | 7' 4"      | 8' 11-1/4"  |
| IR 75E-1  | 4,450    | 6,380     | 3,000             | 10    | 19,200 | 1          | 180 | 120             | 6"         | 109                 | 7' 11-1/2" | 8' 11-1/4"  |
| IR 75E-2  | 5,050    | 7,160     | 3,590             | 10    | 18,800 | 1          | 180 | 120             | 6"         | 135                 | 8' 7"      | 8' 11-1/4"  |
| IR 75E-3  | 4,920    | 7,370     | 3,170             | 10    | 23,800 | 1-1/2      | 245 | 170             | 6"         | 110                 | 7' 4"      | 11' 11-3/4" |
| IR 100E-1 | 5,770    | 8,450     | 3,960             | 15    | 26,000 | 1-1/2      | 245 | 170             | 6"         | 147                 | 7' 11-1/2" | 11' 11-3/4" |
| IR 100E-2 | 6,550    | 9,480     | 4,750             | 15    | 26,200 | 1-1/2      | 245 | 170             | 6"         | 184                 | 8' 7"      | 11' 11-3/4" |
| IR 100E-3 | 6,850    | 10,010    | 4,360             | 15    | 38,800 | 2          | 345 | 230             | 8"         | 157                 | 9' 3/4"    | 11' 11-3/4" |
| IR 100E-4 | 7,960    | 11,470    | 5,470             | 15    | 38,000 | 2          | 345 | 230             | 8"         | 209                 | 9' 9-1/4"  | 11' 11-3/4" |
| IR 150E-1 | 9,100    | 12,950    | 6,580             | 20    | 37,000 | 2          | 345 | 230             | 8"         | 261                 | 10' 5-1/4" | 11' 11-3/4" |
| IR 150E-2 | 10,210   | 14,410    | 7,700             | 20    | 36,300 | 2          | 345 | 230             | 8"         | 313                 | 11' 2-1/4" | 11' 11-3/4" |
| IR 150E-3 | 10,470   | 14,760    | 6,690             | 20    | 52,500 | 3          | 515 | 340             | 8"         | 234                 | 9' 3/4"    | 18' 1/8"    |

† Heaviest section is the coil section.

†† Model normally ships in one piece.

\* For external static pressure up to 1/2", use next larger size fan motor.

\*\* Gallons shown is water in suspension in unit and piping. Allow for additional water in bottom of remote sump to cover pump suction and strainer during operation. (12" would normally be sufficient)