

Self-Service Single-Deck Radius Merchandier w/ Service Dome

SD SPHERICAL REMOTE - 4', 6', 8', 10' & 12'

Electrical Data (Dome)

| Model | | Fans per Case | High Efficiency Fans | | Anti-Condensate Fans | | Drain Heaters | | Optional Defrost Heaters | |
|--------------|-----|---------------|----------------------|-------|----------------------|-------|---------------|-------|--------------------------|-------|
| | | | 120 Volts | | 120 Volts | | 120 Volts | | 208 Volts | |
| | | | Amps | Watts | Amps | Watts | Amps | Watts | Amps | Watts |
| SD SPHERICAL | 4' | 1 | 0.3 | 36 | --- | --- | --- | --- | --- | --- |
| | 6' | 2 | 0.6 | 72 | --- | --- | --- | --- | --- | --- |
| | 8' | 2 | 0.6 | 72 | --- | --- | --- | --- | --- | --- |
| | 10' | 3 | 0.9 | 108 | --- | --- | --- | --- | --- | --- |
| | 12' | 3 | 0.9 | 108 | --- | --- | --- | --- | --- | --- |

Electrical Data (Base)

| Model | | Fans per Case | High Efficiency Fans | | Anti-Condensate Fans | | Drain Heaters | | Optional Defrost Heaters | |
|--------------|-----|---------------|----------------------|-------|----------------------|-------|---------------|-------|--------------------------|-------|
| | | | 120 Volts | | 120 Volts | | 120 Volts | | 208 Volts | |
| | | | Amps | Watts | Amps | Watts | Amps | Watts | Amps | Watts |
| SD SPHERICAL | 4' | 1 | 0.3 | 36 | --- | --- | --- | --- | --- | --- |
| | 6' | 1 | 0.3 | 36 | --- | --- | --- | --- | --- | --- |
| | 8' | 2 | 0.6 | 72 | --- | --- | --- | --- | --- | --- |
| | 10' | 2 | 0.6 | 72 | --- | --- | --- | --- | --- | --- |
| | 12' | 3 | 0.9 | 108 | --- | --- | --- | --- | --- | --- |

Lighting Data

| Model | | Lights per Row | Light Length (ft) | Clearvoyant 4 LED Lighting (Per Light Row) | | | |
|--------------|-----|----------------|-------------------|--|-------|----------------------|-------|
| | | | | Standard Power (Cornice or Shelf) | | High Power (Cornice) | |
| | | | | 120 Volts | | 120 Volts | |
| | | | | Amps | Watts | Amps | Watts |
| SD SPHERICAL | 4' | 1 | 4 | 0.05 | 5.9 | 0.12 | 14.9 |
| | 6' | 2 | 3 | 0.08 | 9.4 | 0.20 | 23.8 |
| | 8' | 2 | 4 | 0.10 | 11.8 | 0.24 | 29.8 |
| | 10' | 2 | 5 | 0.12 | 15.0 | 0.30 | 37.0 |
| | 12' | 3 | 4 | 0.15 | 17.7 | 0.36 | 44.7 |

Guidelines & Control Settings (DX)

| Model | | Conventional ²BTUH/ft | Parallel ³BTUH/ft | Superheat Set Point @ Bulb (°F) | Evaporator (°F) | Discharge Air (°F) | Discharge Air ⁴ Velocity (FPM) |
|--------------|------|--------------------------|----------------------|---------------------------------|-----------------|--------------------|---|
| SD SPHERICAL | Dome | 450 | 410 | 10 | 20 | 28 | 200 |
| | Base | 450 | 410 | 10 | 20 | 28 | 200 |

Engineered for stores with ambient conditions not to exceed 75° and 55% relative humidity. Due to engineering improvements specifications may change without notice. All measurements are taken per ASHRAE - 72 - 2005 specifications. Hillphoenix refrigerated display cases for sale in the United States meet or exceed department of energy 2017 efficiency requirements. Numbers are based on standard case sizes. Consult engineering.



SD SPHERICAL (Remote)



Guidelines & Control Settings (DX)

| Model | | Defrosts per Day | Run-Off Time (min) | Electric Defrost | | Timed-Off Defrost | | Hot Gas Defrost | |
|--------------|------|------------------|--------------------|------------------|-----------------------|-------------------|-----------------------|-----------------|-----------------------|
| | | | | Fail-Safe (min) | Termination Temp (°F) | Fail-Safe (min) | Termination Temp (°F) | Fail-Safe (min) | Termination Temp (°F) |
| SD SPHERICAL | Dome | 4 | --- | --- | --- | 30 | --- | --- | --- |
| | Base | 4 | --- | --- | --- | 30 | --- | --- | --- |

- 1 NOTE: "---" indicates data not applicable.
- 2,3 Listed BTUH indicates unlighted shelves. Add the following for lighted shelves:
 - 4' Shelf LED: 36 BTUH
 - 4' Canopy LED: 72 BTUH
 - 3' Shelf LED: 27 BTUH
 - 3' Hi-Output LED: 54 BTUH
- 4 Average discharge air velocity at peak of defrost.

SERVICE/Self-SERVICE SINGLE-DECK

Bakery / Deli / Meat / Seafood



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SD SPHERICAL (Remote Base & Remote Dome)

