

# Q-Series (FD2) Commercial Evaporators



- Optimised 1/2" copper tube coils
- White powder coated aluminium casing
- Improved Airflow with nozzle fan assemblies
- Fan shroud heater prevents ice formation
- Patton Coat coil & fin corrosion protection
- Reversible drain tray provides flexibility
- Defrost heater termination/safety klixon
- Optional EVD ICE fitted with UltraCap

## Q SERIES (500mm fans)

13 43 kW

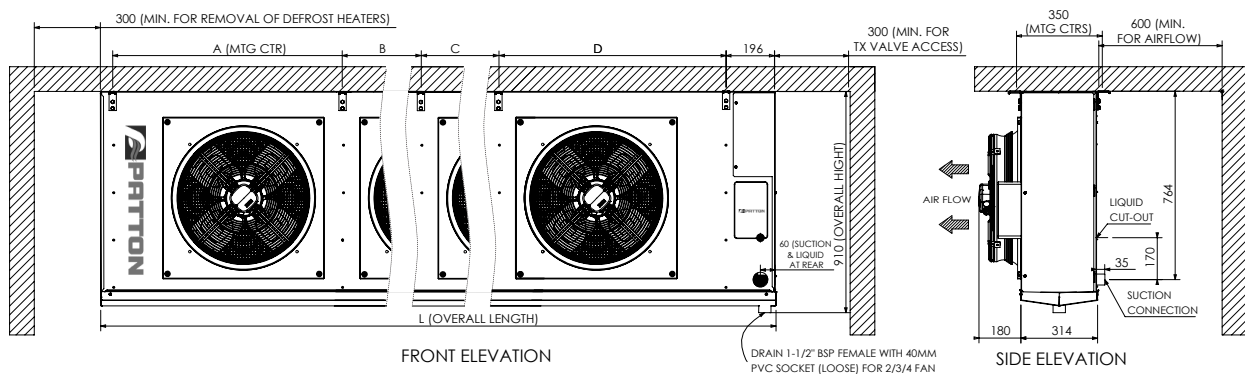
### MEDIUM TEMP

| MODELS         |       | QM180-42 | QM235-42 | QM275-43 | QM320-43 | QM350-43 | QM420-44 |
|----------------|-------|----------|----------|----------|----------|----------|----------|
| Capacity Watts | R404A | 18750    | 24080    | 28560    | 32830    | 36350    | 43370    |
|                | R448A | 18190    | 23360    | 27700    | 31850    | 35260    | 42070    |
| -4SST / 6KTD   | R134a | 17060    | 21910    | 25990    | 29880    | 33080    | 39470    |

### LOW TEMP

| MODELS         |       | QL130-62 | QL170-62 | QL195-63 | QL250-63 | QL320-54 |
|----------------|-------|----------|----------|----------|----------|----------|
| Capacity Watts | R404A | 13290    | 17310    | 19890    | 26000    | 32670    |
| -24SST / 6KTD  | R448A | 12760    | 16620    | 19090    | 24960    | 31360    |

■ R448A listed ratings have been calculated at 'mid point' conditions.



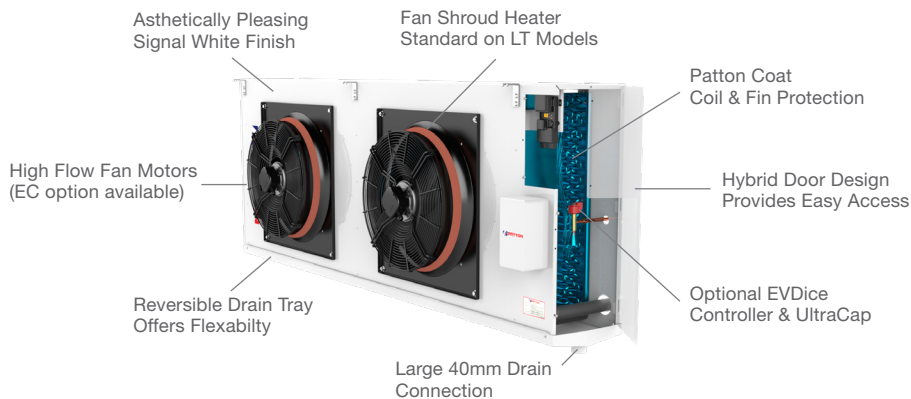
# TECHNICAL DATA

## MEDIUM TEMP

| MODELS               |            |             | QM180-42 | QM235-42 | QM275-43 | QM320-43 | QM350-43 | QM420-44 |  |
|----------------------|------------|-------------|----------|----------|----------|----------|----------|----------|--|
| Air Throw            | m          |             | 25       | 24       | 27       | 26       | 26       | 27       |  |
| Air Volume           | l/sec      |             | 4370     | 4140     | 6550     | 6400     | 6220     | 7780     |  |
| Fan Motors<br>(415V) | Ø 500mm    | Num.        | 2        | 2        | 3        | 3        | 3        | 4        |  |
|                      |            | Watts       | 1700     | 1700     | 2550     | 2550     | 2550     | 3400     |  |
|                      |            | Amps        | 3.2      | 3.2      | 4.8      | 4.8      | 4.8      | 6.4      |  |
| Coil                 | Connection | Dist Inlet  | 7/8      | 7/8      | 7/8      | 1-1/8    | 1-1/8    | 1-1/8    |  |
|                      |            | ODS         |          |          |          |          |          |          |  |
|                      |            | Suct Outlet | 1-3/8    | 1-3/8    | 1-5/8    | 1-5/8    | 1-5/8    | 2-1/8    |  |
|                      |            | fpi         | 6        | 6        | 6        | 6        | 6        | 6        |  |
| Dimensions           |            | L           | 2330     | 2330     | 3350     | 3350     | 3350     | 3690     |  |
|                      |            | H           | 910      | 910      | 910      | 910      | 910      | 910      |  |
|                      |            | A           | 1036     | 1036     | 1036     | 1036     | 1036     | 866      |  |
|                      |            | B           | 1036     | 1036     | 1020     | 1020     | 1020     | 850      |  |
|                      |            | C           | -        | -        | 1036     | 1036     | 1036     | 850      |  |
|                      | D          | -           | -        | -        | -        | -        | 866      |          |  |
| Net Weight           | kg         |             | 118      | 143      | 158      | 176      | 210      | 278      |  |

## LOW TEMP

| MODELS               |            |             | QL130-62 | QL170-62 | QL195-63 | QL250-63 | QL320-54 |  |
|----------------------|------------|-------------|----------|----------|----------|----------|----------|--|
| Air Throw            | m          |             | 28       | 25       | 28       | 27       | 28       |  |
| Air Volume           | l/sec      |             | 4450     | 4280     | 6680     | 6430     | 7940     |  |
| Fan Motors<br>(415V) | Ø 500mm    | Num.        | 2        | 2        | 3        | 3        | 4        |  |
|                      |            | Watts       | 1700     | 1700     | 2550     | 2550     | 3400     |  |
|                      |            | Amps        | 3.2      | 3.2      | 4.8      | 4.8      | 6.4      |  |
| Coil                 | Connection | Dist Inlet  | 7/8      | 7/8      | 7/8      | 1-1/8    | 1-1/8    |  |
|                      |            | ODS         |          |          |          |          |          |  |
|                      |            | Suct Outlet | 1-3/8    | 1-5/8    | 1-5/8    | 2-1/8    | 2-1/8    |  |
|                      |            | fpi         | 4        | 4        | 4        | 4        | 5        |  |
| Defrost<br>(230V)    | Heaters    | Watts       | 11500    | 11500    | 16940    | 16940    | 18580    |  |
|                      | Fan shroud |             | 250      | 250      | 375      | 375      | 500      |  |
| Dimensions           |            | L           | 2330     | 2330     | 3350     | 3350     | 3690     |  |
|                      |            | H           | 910      | 910      | 910      | 910      | 910      |  |
|                      |            | A           | 1036     | 1036     | 1036     | 1036     | 866      |  |
|                      |            | B           | 1036     | 1036     | 1020     | 1020     | 850      |  |
|                      |            | C           | -        | -        | 1036     | 1036     | 850      |  |
|                      | D          | -           | -        | -        | -        | 866      |          |  |
| Net Weight           | kg         |             | 128      | 150      | 167      | 219      | 294      |  |



### RELATIVE HUMIDITY GUIDE (MED TEMP)

| Temp Diff | R.H % |
|-----------|-------|
| 4K        | 89    |
| 6K        | 84    |
| 8K        | 81    |

### CAPACITY CORRECTION GUIDE

| QM @ SST |      | QL @ SST |      |
|----------|------|----------|------|
| +5       | 1.17 | -20      | 1.07 |
| 0        | 1.07 | -25      | 0.99 |
| -5       | 0.99 | -30      | 0.89 |
| -10      | 0.93 | -35      | 0.80 |

### NOTES

- All fan motors 415V/3/50Hz
- Defrost heaters 220-240V/1/50Hz  
For 380-420V/3/50Hz supply Connect in Y
- Air throw based on CRMA standard @ 20°C  
Multiply figures by 0.94 for 2°C and 0.87 for -18°C

Specifications subject to change without notice