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From Jamie Rawe  
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Date 14/07/2016  
Enq. No. 05033732

Thank you for your enquiry for Condensers (Searle Products). We have pleasure in submitting our offer for your consideration.

| Model offered                  | Duty (kW)                                                 | Amb. (°C) | Cond. (°C) | TD (°K) | Mid or Dew | Coil Material | No. | Net Price Each £ (GBP) | Total Net Price £ (GBP) |
|--------------------------------|-----------------------------------------------------------|-----------|------------|---------|------------|---------------|-----|------------------------|-------------------------|
| <b>RF-NB102L3H-091E-SC7-AV</b> | 56                                                        | 35        | 42.8       | 7.8     | Mid Point  | CU/AV         | 1   | <b>4,252.71</b>        | <b>4,252.71</b>         |
| Option                         | Fan Mounted Isolators                                     |           |            |         |            |               |     | Included               | Included                |
| Option                         | No Control (1 x Junction Box fitted, with terminals only) |           |            |         |            |               |     | Included               | Included                |
| Option                         | 750mm One Piece Legs<br>(Instead of Standard 500mm Legs)  |           |            |         |            |               |     | 190.12                 | 190.12                  |
| Option                         | 1 x REMOTE/NONE (EC-FCB) Fan Box (EC)                     |           |            |         |            |               |     | 472.36                 | 472.36                  |
| Option                         | Sub-Cooling Section                                       |           |            |         |            |               |     | Included               | Included                |

Comments: Note: HIAB Delivery (curbside drop only) is an additional £350 midweek during normal working hours. Out of hours, timed and weekend deliveries are additional costs, see below for details.

Availability – Currently **4** working weeks, Ex-works, from date of full and final written instructions.  
Please check with our office before ordering.

The Optional Remote/None (EC-FCB) box: 0-10 volt signal from customer's controller/BMS with NO controls. Includes terminals for common motor fault. Circuit Breakers. Steel control box with rain shield mounted on the connection end. One main isolator for 3 phase and neutral. The signal from customer's BMS controller to main motor/s is 0-10 volts (DC). (Excludes 24v transformer & Anti-condensation heater). Please contact our office regarding motor communication connectivity/protocols.

Delivery DAP UK - UK Mainland delivery between the hours 9am - 5pm, Mon to Fri is included. For deliveries outside these hours, the following fixed charges will apply per vehicle:- Weekday out of hours £200, Timed Deliveries (+/- 1hr) +£100, Weekend deliveries £350. HIAB delivery (if offered above) is Curbside drop only.

Our offer is for manufacture & delivery (If included) only; off-loading, installation, testing & commissioning is not included unless otherwise stated. Delivery changes within 2 weeks or specification changes within 5 weeks of delivery may incur additional charges.

The above prices are those which would be quoted to a bona fide Refrigeration / Air-conditioning contractor having a current trading account with Kelvion Ltd.

The above offer is valid for : - **30 Days** & is subject to Kelvion Limited standard terms & conditions of sale, available upon request.

We trust you have sufficient information to enable you to proceed. If you require any further assistance please do not hesitate to contact me.

Best Regards

**Jamie Rawe** (Applications Engineer)

|                               | SI                | RF-NB102L3H-091E-SC7-AV |                      |
|-------------------------------|-------------------|-------------------------|----------------------|
|                               |                   | Day                     | Night                |
| Total Heat of Rejection       | kW                | 56                      | 47.9                 |
| Ambient Temperature           | °C                | 35                      | 25                   |
| Condensing Temperature        | °C                | 42.8                    | 33                   |
| Actual TD                     | K                 | 7.8                     | 8                    |
| Dew or Mid Point              |                   | Mid Point               | Mid Point            |
| Refrigerant                   |                   | R407A                   | R407A                |
| Hot Gas Inlet Temperature     | °C                | 78                      | 68                   |
|                               |                   |                         |                      |
| Maximum Allowable Pressure    | barg              | 32                      | 32                   |
| Maximum Medium Temperature    | °C                | 120                     | 120                  |
| PED Category                  |                   | 1                       | 1                    |
|                               |                   |                         |                      |
| Sound Pressure Level          | dB(A)             | 32 @ 10 m               | 24 @ 10 m            |
| Mean Sound Pressure Level     | dB(A)             | 34 @ 10 m               | 26 @ 10 m            |
| Sound Power Level             | dB(A)             | 65                      | 58                   |
| Sound Spectrum 125 Hz         | dB                | 65                      | 58                   |
| Sound Spectrum 250 Hz         | dB                | 64                      | 56                   |
| Sound Spectrum 500 Hz         | dB                | 63                      | 56                   |
| Sound Spectrum 1 kHz          | dB                | 62                      | 54                   |
| Sound Spectrum 2 kHz          | dB                | 55                      | 48                   |
| Sound Spectrum 4 kHz          | dB                | 49                      | 41                   |
| Sound Spectrum 8 kHz          | dB                | 42                      | 34                   |
|                               |                   |                         |                      |
| Tube/Fin Material             |                   | CU/AV                   | CU/AV                |
| Surface Area                  | m <sup>2</sup>    | 263                     | 263                  |
| Subcooling Section            |                   | Nominal 7K at 15K ΔT    | Nominal 7K at 15K ΔT |
| Degrees of Subcooling         | K                 | 2.1                     | 2                    |
| Connections                   |                   | Same End                | Same End             |
| Inlet Connection Size         | OD                | 2-1/8"                  | 2-1/8"               |
| Outlet Connection Size        | OD                | 1-3/8"                  | 1-3/8"               |
| Subcooling Connections        |                   | Same End                | Same End             |
| Subcooling Inlet Connection   | OD                | 1-3/8"                  | 1-3/8"               |
| Subcooling Outlet Connection  | OD                | 1-3/8"                  | 1-3/8"               |
| Orientation                   |                   | Horizontal              | Horizontal           |
| Air Discharge Direction       |                   | Vertical                | Vertical             |
| Refrigerant Charge            | kg                | 18                      | 18                   |
|                               |                   |                         |                      |
| Altitude                      | m                 | 0                       | 0                    |
| Air Volume                    | m <sup>3</sup> /s | 6.9                     | 5.5                  |
| Internal Volume               | dm <sup>3</sup>   | 42                      | 42                   |
| Input Power (Total)           | kW                | 0.6                     | 0.365                |
| Energy Rating                 |                   | A                       | A+                   |
| Fan Speed                     | 1/min             | 450 (865 max)           | 360 (865 max)        |
| Control Voltage (for EC fans) | V                 | 4.1                     | 3.2                  |
| Electrical Supply             |                   | 400-3-50/60             | 400-3-50/60          |
| Rows of Fans                  |                   | 1                       | 1                    |
| Fans per Row                  |                   | 2                       | 2                    |
| Starting Current (per fan)    | A                 | 1.56 (4.9 max)          | 1.04 (4.9 max)       |
| Full Load Current (per fan)   | A                 | 1.2 (3.5 max)           | 0.8 (3.5 max)        |
|                               |                   |                         |                      |
| Overall Length                | mm                | 3323                    | 3323                 |
| Overall Width                 | mm                | 1578                    | 1578                 |
| Overall Height                | mm                | 1333                    | 1333                 |
| Dry Weight                    | kg                | 528                     | 528                  |