

Includes



Models

| Product # ¹ | Indoor Unit Outdoor Unit | ELD09KCH15S-I ELD09KCH15S-O | ELD12KCH15S-I ELD12KCH15S-O | ELD18KCH15S-I ELD18KCH15S-O | ELD24KCH15S-I ELD24KCH15S-O | |
|---|-----------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|-------------------------------|
| Technical Performance | | | | | | |
| Voltage | | Volts | 230/208 | 230/208 | 230/208 | 230/208 |
| Cooling capacity | Nominal | W (BTU/hr) | 2638 (9000) | 3517 (12000) | 5275 (18000) | 6448 (22000) |
| | Min. – max. | W (BTU/hr) | 1465 – 3312 (5000 - 11300) | 1055 – 3664 (3600 - 12502) | 2100 – 5861 (7165 - 20000) | 2529 – 6800 (8630 - 23200) |
| Heating capacity | Nominal | W (BTU/hr) | 2800 (9554) | 3810 (13000) | 5568 (19000) | 6741 (23000) |
| | Min. – max. | W (BTU/hr) | 1553 – 3517 (5300 - 12000) | 1553 – 3956 (5300 - 13500) | 2178 – 6887 (7430 - 23500) | 2535 – 7620 (8650 - 26000) |
| Used cooling power input | Nominal | W | 950 | 1300 | 1950 | 2310 |
| | Min. – max. | W | 375 – 1300 | 300 – 1350 | 570 – 2600 | 600 – 2700 |
| Used heating power input | Nominal | W | 800 | 1250 | 1730 | 2300 |
| | Min. – max. | W | 300 – 1350 | 300 – 1500 | 580 – 2600 | 610 – 2750 |
| Used rated input | | W | 1800 | 1800 | 2600 | 2750 |
| Rated current | | A | 9.0 | 9.0 | 11.5 | 12.2 |
| MCA | | A | 10 | 10 | 17 | 17 |
| Max. over-current protection (MOCP) | | A | 15 | 15 | 25 | 25 |
| SEER | | - | 15 | 15 | 15 | 15 |
| HSPF | | - | 8.5 | 8.5 | 9.0 | 8.5 |
| EER | | (BTU/hr)/W | 9.47 | 9.23 | 8.5 | 9.5 |
| COP | | W/W | 3.50 | 3.50 | 3.05 | 2.93 |
| Indoor Unit | | | | | | |
| Dehumidification | | pt/hr (l/hr) | 1.69 (0.80) | 2.96 (1.4) | 3.8 (1.80) | 5.28 (2.50) |
| Air flow volume | T / H / M / L ² | cfm | 306 / 277 / 253 / 218 | 335 / 277 / 253 / 218 | 506 / 459 / 383 / 324 | 588 / 471 / 412 / 353 |
| Sound level | T / H / M / L ² | dB (A) | 43 / 40 / 37 / 34 | 44 / 42 / 39 / 36 | 48 / 42 / 39 / 36 | 52 / 46 / 42 / 36 |
| Fan motor power output | | W | 20 | 20 | 20 | 60 |
| Fan motor RLA | | A | 0.20 | 0.20 | 0.24 | 0.32 |
| Deflector stepper motor power output | | W | 2.0 | 2.0 | 2.0 | 2.5 |
| Net weight | | lb (kg) | 20 (9) | 22 (10) | 27 (12) | 33 (15) |
| Outdoor Unit | | | | | | |
| Air flow volume | | cfm | 942 | 942 | 1883 | 1883 |
| Sound level | | dB (A) | 52 | 53 | 56 | 59 |
| Compressor power input | | W | 942 | 942 | 1440 | 1440 |
| Compressor LRA | | A | - | - | 25 | 25 |
| Compressor RLA | | A | 7.3 | 7.3 | 7.2 | 7.2 |
| Fan motor power output | | W | 21 | 21 | 60 | 60 |
| Fan motor RLA | | A | 0.25 | 0.25 | 0.37 | 0.37 |
| Refrigerant volume (R410A) | | oz (g) | 26.1 (740) | 35.3 (1001) | 63.5 (1800) | 65.3 (1851) |
| Net weight | | lb (kg) | 62 (28) | 66 (30) | 101 (46) | 115 (52) |
| Operating ambient temperature | Cooling | °C (°F) | 18 to 43 (64 to 109) | | | |
| | Heating | °C (°F) | -7 to 24 (19 to 75) | | | |
| Connection Piping/Refrigerant | | | | | | |
| Pre-charge length | | ft. (m) | 25 (7.5) | 25 (7.5) | 25 (7.5) | 25 (7.5) |
| Additional refrigerant charge | | oz/ft. (g/m) | 0.2 (18.6) | 0.2 (18.6) | 0.2 (18.6) | 0.2 (18.6) |
| Liquid pipe outer diameter | | in. | 1/4 | 1/4 | 1/4 | 1/4 |
| Gas pipe outer diameter | | in. | 3/8 | 3/8 | 1/2 | 5/8 |
| Maximum height difference | | ft. (m) | 33 (10) | 33 (10) | 33 (10) | 33 (10) |
| Maximum total length | | ft. (m) | 49 (15) | 66 (20) | 82 (25) | 82 (25) |

¹ 1 indoor unit and 1 outdoor unit. Note that each unit is individually packaged.
² Cross-Flow Fan Speeds: (T) Turbo / (H) High / (M) Medium / (L) Low.



3400, boulevard Industriel
 Sherbrooke, Québec
 J1L 1V8 Canada

T 1.819.346.8493
TF 1.800.567.2733
F 1.819.822.4227
 info@dettson.ca
www.dettson.com