

| Aircooled liquid chillers ESE series, scroll compressors, coaxial evaporator, condenser with copper tubes, aluminium finned core and axial fans | | | | | |
|--|--------------|------------------------------------|------------|------------|------------|
| Process Cooling Application | Model | 001 | 002 | 003 | 004 |
| NOMINAL COOLING CAPACITY (1) | kW | 1,3 | 2,2 | 3,4 | 4,6 |
| NOMINAL COOLING CAPACITY (1) | Frig/h | 1118 | 1892 | 2924 | 3956 |
| TOTAL COMPRESSORS NOMINAL ABSORBED POWER (1) | kW | 0,5 | 0,8 | 1,3 | 1,7 |
| COP | W/W | 2,77 | 2,68 | 2,62 | 2,71 |
| EER | W/W | 2,4 | 2,4 | 2,5 | 2,6 |
| ESEER | | 3,4 | 3,4 | 3,3 | 3,4 |
| IPLV | | 3,9 | 3,9 | 3,8 | 3,9 |
| COMPRESSORS | nr. | 1 | 1 | 1 | 1 |
| REFRIGERATING CIRCUITS | nr. | 1 | 1 | 1 | 1 |
| PARTION STEP | nr. | 1 | 1 | 1 | 1 |
| REFRIGERANT | R | 407C | | | |
| HYDRAULIC SECTION | | | | | |
| NOMINAL WATER FLOW | m3/h | 0,2 | 0,4 | 0,6 | 0,8 |
| TYPE OF EVAPORATOR | | Self - cleaning coaxial evaporator | | | |
| EVAPORATOR PRESSURE DROP | kPa | 20 | 22 | 22 | 23 |
| AVAILABLE PRESSURE | mca | 37 | 20 | 20 | 20 |
| PUMP ABSORBED POWER | kW | 0,37 | 0,37 | 0,37 | 0,37 |
| PUMP ABSORBED CURRENT | A | 2,6 | 3,2 | 3,2 | 3,2 |
| HYDRULIC CONNECTIONS | BSP/DN | 3/8" | 1/2" | 1/2" | 1/2" |
| TANK VOLUME | dm3 | 20 | 40 | 40 | 40 |
| FAN SECTION | | | | | |
| CONDENSER COIL | nr. | 1 | 1 | 1 | 1 |
| TOTAL AIR FLOW | m3/h | 700 | 1400 | 1300 | 1200 |
| FANS | nr. | 1 | 1 | 1 | 1 |
| FANS ABSORBED POWER | kW | 0,07 | 0,10 | 0,10 | 0,10 |
| FANS ABSORBED CURRENT | A | 0,4 | 0,4 | 0,5 | 0,5 |
| TOTAL ELECTRIC DATA | | | | | |
| NOMINAL ABSORBED POWER | kW | 0,9 | 1,3 | 1,8 | 2,2 |
| MAXIMUM ABSORBED CURRENT(F.L.A.) | A | 6,2 | 8,7 | 9,6 | 10,5 |
| MAXIMUM PEAK CURRENT (L.R.A.) | A | 21 | 25 | 27 | 40 |
| ELECTRIC FEED | V/Ph/Hz | 230/1/50 | | | |
| NOISE DATA | | | | | |
| SOUND PRESSURE (2) | dB(A) | 51 | 51 | 51 | 51 |
| DIMENSIONS AND WEIGHT | | | | | |
| LENGTH | mm | 400 | 600 | 600 | 600 |
| WIDTH | mm | 355 | 655 | 655 | 655 |
| HEIGHT | mm | 785 | 1035 | 1035 | 1035 |
| WEIGHT EMPTY | kg | 33 | 85 | 85 | 90 |
| WEIGHT OPERATING | kg | 58 | 125 | 125 | 130 |

The manufacturer reserves the right to modify specifications without notice

updated on 02/09/2014

Data referred to:

(1) Inlet/Outlet water temperature = +12/+7 °C - Condenser air temperature = +35°C; fouling factor = 0.000043 m²K/W

(2) Sound pressure level referred to measures according to normative ISO3744, pressure level at distance of 10 m, referred to free field on reflecting surface