

Luftgekühlte Flüssigkeitskühler
Reversible Wärmepumpe



air cooled liquid chillers
reversible heatpump

| TYPE | | EKKW 35-1 Pac1 | MODEL |
|-------------------------------------|--------|----------------|--------------------------------|
| Kühlmodus STD | | | Cooling Mode STD |
| Kälteleistung (nominal) (1) | kW | 31 | (1) Nominal Cooling capacity |
| Leistungsaufnahme (2) | kW | 10,3 | (2) Abs. power |
| EER (2) | - | 3 | (2) EER |
| Heizmodus EKKW -H | | | Heating Mode EKKW -H |
| Heizleistung (nominal) (1) | kW | 34 | (1) Nominal Heating capacity |
| Leistungsaufnahme (2) | kW | 10,4 | (2) Abs. power |
| COP (2) | - | 3,2 | (2) COP |
| Verdichter (scroll) | | | (scroll) Compressors |
| Anzahl | n° | 1 | Quantity |
| Kältekreise | n° | 1 | Refrigerant circuit |
| Leistungsstufen | n° | 1 | Capacity steps |
| Kältemittel | R | R410A | Refrigerant |
| Verdampfer (3) | | | (3) Evaporator |
| Durchflußrate Wasser | m³/h | 5,3 | Water flow rate |
| Druckverlust | kPa | 50 | Pressure drop |
| Wasservolumen | lt. | 1,1 | Water volume |
| Wasseranschlüsse | ∅ | 1.1/4" | Water connections |
| Kondensator (STD/LN-Version) | | (4) (5) | Condenser (STD/LN) |
| Axial Ventilator | n° | 2 | Axial fans |
| Leistungsaufnahme Ventilator | kW | 1 | Max. abs. power |
| Stromaufnahme Ventilator | A | 5 | Max. abs. current |
| Kondensator (VLN-Version) | | (4) | Condenser (VLN-version) |
| Elektr. Daten (6) | | | (6) Electrical Data |
| Max. Stromaufnahme | A | 35 | Max. operating abs. current |
| Max. Anlaufstrom | A | 128 | Max. LRC |
| Strom-Anschluß Gerät | V/f/Hz | 400/3+N/50 | Power supply |
| PAC 1 | | | PAC 1 |
| Volumen Pufferspeicher | lt. | 100 | Tank volume |
| Leistungsaufnahme Pumpe | kW | 0,55 | Pump abs. power |
| Stromaufnahme Pumpe | A | 1,7 | Pump abs. current |
| Druckbereich Pumpe | kPa | 110 | ESP Pump |
| DS Version (7) | | | (7) DS Version |
| Heizleistung | kW | 7 | Heating capacity |
| Durchflußrate Wasser | m³/h | 1,2 | Water flow rate |
| Druckverlust | kPa | 22 | Pressure drop |
| Schalldruckpegel | | (6) (8) | Sound pressure |
| Standard (STD) | dB(A) | 62 | Standard version (STD) |
| gedämpfte Version (LN) | dB(A) | 59 | Low noise version (LN) |
| gedämpfte Version (VLN) | dB(A) | (9) | Very low noise version (VLN) |

- 1) Kühl-Modus: Wasser temp. 12°C / 7°C ;Umgebungs-Luft temp. 35°C
Heiz-Modus: Wasser temp. 40°C / 45°C ;Umgebungs-Luft temp. 7°C
2) Kompressoren + Ventilatoren ; ohne Pumpen
3) Wird zum Kondensator bei EKKW...H (Wärmepumpe-Version);
4) Wird zum Verdampfer bei EKKW...H (Wärmepumpe-Version)
5) max. Luftvolumenstrom bei LN 6) ausschl. Pumpe, Version STD
7) Wassertemperatur von 40°C nach 50°C
8) Kompressorseite in m 1 Freifeld. Bezug auf ISO 3744
9) Auf Anfrage

- 1) Cooling mode : water temp. 12 °C / 7 °C ; air temperature 35 °C
Heating mode: water temp. 40 °C / 45 °C ; air temperature 7 °C
2) Compressors + fans only. No water pump(s);
3) It becomes condenser in EKKW...H (heat pump) version
4) It becomes evaporator in EKKW...H (heat pump) version;
5) Max air flow in LN 6) Without water pump(s), STD version;
7) Water temperature from 40 °C to 50 °C;
8) Compressors site at 1 m and according to ISO 3744.
9) Available on request

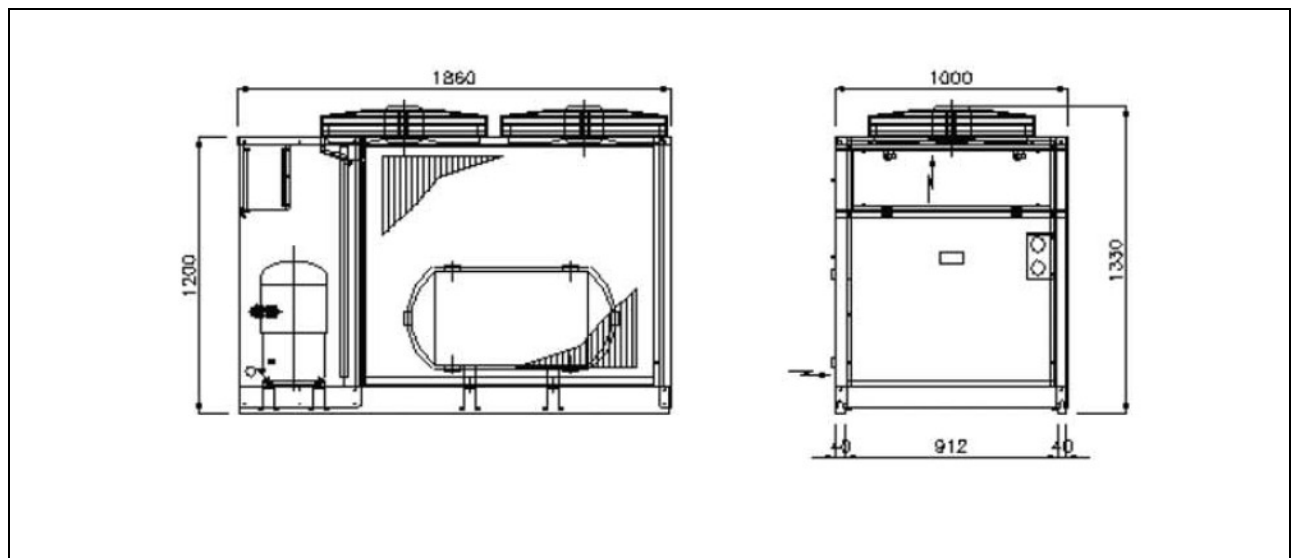
| TYPE | | EKKW 35-1 Pac1 | | MODEL | |
|-----------------------------------|----|----------------|--|------------------------------|--|
| Gewichte (STD) / (LN) | | | | Weights (STD) / (LN) | |
| Arbeits-Gewicht | kg | (STD) / (LN) | | Operation weight | |
| Transport-Gewicht | kg | 740 / 760 | | Transport weight | |
| Maße | | | | Dimensions | |
| Länge x Breite | mm | 1.860 x 1.000 | | Length x width | |
| Höhe 1 | mm | 1.200 | | Height | |
| Höhe über alles | mm | 1.330 | | Height over all | |
| Anschlüsse Wasser-Hydronek | | | | Hydraulic connections | |
| In Zoll | R" | ∅ | | In Zoll | |
| | | 1.1/4" | | | |

| Tw °C out | Kondensator Umgebungs-Temperatur | | | | | | | | | | | | | |
|-----------------|--------------------------------------|------|-------|------|-------|------|--------------|-------------|-------|-------|-------|-------|-------|-------|
| | Condenser Ambient air temperature °C | | | | | | | | | | | | | |
| | 26 | | 29 | | 32 | | 35 | | 38 | | 41 | | 44 | |
| | kWf | kWa | kWf | kWa | kWf | kWa | kWf | kWa | kWf | kWa | kWt | kWa | kWt | kWa |
| 5 | 32,33 | 7,51 | 31,34 | 8,06 | 30,32 | 8,62 | 29,33 | 9,18 | 27,96 | 9,94 | 26,63 | 10,71 | 25,27 | 11,48 |
| 6 | 33,26 | 7,58 | 32,24 | 8,13 | 31,19 | 8,13 | 30,16 | 9,24 | 28,80 | 10,01 | 27,44 | 10,78 | 26,07 | 11,54 |
| 7 | 34,19 | 7,64 | 33,14 | 8,19 | 32,05 | 8,19 | 31,00 | 9,30 | 29,95 | 10,07 | 28,24 | 10,84 | 26,88 | 11,61 |
| 8 | 35,15 | 7,73 | 34,07 | 8,28 | 32,98 | 8,28 | 31,90 | 9,37 | 30,50 | 10,15 | 29,08 | 10,92 | 27,68 | 11,68 |
| 9 | 36,12 | 7,80 | 35,00 | 8,35 | 33,91 | 8,35 | 32,80 | 9,45 | 31,37 | 10,22 | 29,95 | 10,99 | 28,49 | 11,76 |
| 10 | 37,08 | 7,89 | 35,93 | 8,43 | 34,81 | 8,43 | 33,70 | 9,52 | 32,24 | 10,30 | 30,78 | 11,07 | 29,33 | 11,83 |

Tw – Wasser-Austritts-Temperatur / Outlet water temperature (deltaT = 5°C)

kWf – Kälteleistung / Cooling capacity

kWa – Leistungsaufnahme (nur Kompressoren) / Abs. power (compressors only)



Technische Änderungen vorbehalten.