











# AvK

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Synchron Generator / Synchronous Generator

Normen / Standards:

**IEC 60034-1; VDE 0530 T1; ISO 8528-3** **Made in Germany**

|                                |                     |   |  |  |               |   |                      |
|--------------------------------|---------------------|---|--|--|---------------|---|----------------------|
| Maschinen Nr.<br>Machine No.   | <b>8331449 B202</b> | Bem. Drehzahl<br>Rated Speed                    | <b>1000 rpm</b>  | Gewicht<br>Weight  | <b>16,0 t</b> | Stillstandsheizung/<br>Anti condensation heater |                      |
| Baujahr<br>Year of Manuf.      | <b>2013</b>         | Überdrehzahl<br>Overspeed                       | <b>1200 rpm</b>  | Aufstellungshöhe,<br>Altitude  | <b>0 m</b>    | Bem. Leistung<br>Rated Load                     | <b>1000 W</b>        |
| Typ<br>Type                    | <b>DIG 150 m/6W</b> | Drehrichtung<br>Direction of Rotation           | <del>Gegenschlüsselgenosse</del><br><b>CCW facing DE</b> | Schutzart<br>Degree of Protection  | <b>IP 44</b>  | Bem. Spannung<br>Rated Voltage                  | <b>230V; 1-phase</b> |
| Bem. Leistung<br>Rated Load    | <b>4114 kVA; BR</b> | Phasenfolge<br>Time phase sequence              | <b>W V U</b>   | Kühlart<br>Type of cooling   | <b>IC 81W</b> | Bem. Strom<br>Rated Current                     | <b>4,4 A</b>         |
| Bem. Spannung<br>Rated Voltage | <b>6000V; AC</b>    | Isol./ Ausn. Klasse<br>Insul./ Util. Class      | <b>F / F</b>   | Nur für Wälzlager /<br>only for antifriction bearings  |               | Bemerkungen / Remarks                           |                      |
| Bem. Strom<br>Rated Current    | <b>396 A</b>        | Temperatur Grenzwert<br>Limit of temperature    | <b>143° C</b>  | Fettmenge AS<br>Grease quantity DE   |               |   |                      |
| cos φ<br>p.f.                  | <b>0,70</b>         | Bem. Err. Spannung<br>Rated Exc. Voltage        | <b>53 V</b>  | Fettmenge BS<br>Grease quantity NDE  |               |   |                      |
| Frequenz<br>Frequency          | <b>50 Hz</b>        | Bem. Err. Strom<br>Rated Exc. Current           | <b>4,1 A</b>   | Fettsorte<br>Grease type   |               |   |                      |
| Strangzahl<br>No. of Phases    | <b>3</b>            | Lufteintrittstemp. Gen.<br>Air Inlet Temp. Gen. | <b>48 °C</b>   | Nachschmierintervall<br>Relubrication Interval   |               |   |                      |
| Statorwicklung<br>Stator Conn. | <b>Y</b>            | Max. Umgebungstemp.<br>Max. Ambient Temp.       | <b>45 °C</b>   | Nur bei Wärmetauschern: Eintrittstemperatur des Sekundärkühlmittels<br>For Heat Exchangers only: Secondary Coolant Inlet Temperature |               | <b>38° C</b>                                    |                      |
| Bem. Klasse<br>Duty Type       | <b>S 1</b>          | Min. Umgebungstemp.<br>Min. Ambient Temp.       | <b>-15 °C</b>  |  |               |   |                      |

Revision: B

|             |   |              |  |
|-------------|---|--------------|--|
| <b>10DO</b> | <b>ALARM</b><br>BRENNOLJETRYKK FØR MOTOR<br>FUEL OIL PRESS. BEFORE ENGINE         | <b>05DO</b>  | <b>INDICATION</b><br>BRENNOLJETEMP. FØR MOTOR<br>FUEL OIL TEMP. BEFORE ENGINE        |
|             |   | <b>75LO</b>  | SMØRING H. T. BRENNSTOFFPUMPE<br>LUBRICATING INJECTION PUMP<br>MAGNET/SOLENOID VALVE |
| <b>10NC</b> | <b>ALARM</b><br>DYSEOLJETRYKK<br>NOZZLE OIL PRESSURE                              | <b>77SA</b>  | AUTOSTOPP, MAGNETVENTIL<br>OVERSPEED STOP, SOLENOID VALVE                            |
| <b>11LO</b> | <b>ALARM</b><br>SMØREOLJETRYKK VIPPEARMER<br>LUBR. OIL PRESS. ROCKER ARMS         | <b>107SA</b> | VARIABEL VENTIL TID, MAGNETVENTIL<br>VARIABLE VALVE TIME, SOLENOID VALVE             |
| <b>12DO</b> | <b>ALARM</b><br>BRENNOLJE LEKKASJE H. TRYKKRØR<br>FUEL OIL LEAKAGE H. PRESS. PIPE |              |  |
| <b>14SA</b> | <b>ALARM</b><br>LUFTFORSYNING FJERNST. TRYKK<br>AIR SUPPLY REMOTE CONTROL PRESS.  |              |  |
| <b>10LO</b> | <b>ALARM</b><br>SMØROLJETRYKK FØR MOTOR<br>LUBR. OIL PRESS. BEFORE ENGINE         |              |  |
| <b>14LO</b> | BLOKK. AV START, SM. OLJETRYKK<br>INTERLOCK START, LUBR. OIL PRESS                |              | LOCATED UNDERNEATH CABINET   |
| <b>15LO</b> | <b>ALARM/AUTOSTOP</b><br>SMØREOLJETRYKK<br>LUBR. OIL PRESSURE                     | <b>05LO</b>  | <b>ALARM</b><br>SMØREOLJETEMP. FØR MOTOR<br>LUBR. OIL TEMP. BEFORE ENGINE            |
| <b>25LO</b> | <b>INDICATION</b><br>SMØRETRYKK<br>LUBR. OIL PRESSURE                             | <b>06LO</b>  | <b>ALARM</b><br>SMØREOLJETEMP. ETTER MOTOR<br>LUBR. OIL TEMP. AFTER ENGINE           |









# AVK

Heat Exchanger manufactured by VDL Klima BV  
www.vdklima.com

|   |                               |     |
|---|-------------------------------|-----|
| Type<br>Typ   | 16K011 / 220 / 150 / 100 / 50 |     |
| Manufacturing no. / year<br>Herstellungs Nr. / Jahr             | 2012001 / 2012 / 01           |     |
| Weight full / empty (kg)<br>Gewicht voll / leer (kg)            | 272                           | 224 |
| Pressure design / test (bar)<br>Druck Entwurf / Test (bar)      | 11 / 16                       | 9   |
| Temperature design (°C)<br>Temperatur Entwurf (°C)              | 11 / 100                      |     |
| Air Temperature in / out (°C)<br>Luft Temperatur Ein / Aus (°C) | 23 / 168                      |     |
| Capacity (kW)<br>Leistung (kW)                                  | 317                           |     |
| CGT Serial no.<br>Baureihe                                      | 50031 / 2012 / 01             |     |
| HULL No. (NB)   |                               |     |

Certification : DNV ANT13-5501