

02.05.2011

## **DKHR 315-2SW.070.5HA-U19**

### **Free running impeller**

With backward curved 8-blade aluminium  
high efficiency impeller

Rosenberg radial fans with free-running impeller  
-KH- series

The single inlet, backward curved high efficiency impeller from sea-waterproof aluminium, mounted onto the speed controllable external rotor motor, equipped with an air flow optimized inlet cone from galvanized sheet steel. The impeller can be supplied as single unit or as a complete module of galvanized sheet steel.

The fan is balanced on two levels according to quality class G 6.3, DIN/ISO 1940.

Closed motor, protection class IP 54 with protection against humidity and thermal contacts wired in windings for motor protection. Maintenance free ball bearings, closed on both sides, sealed for life.

Documentation :

Manufacturers declaration and operating instruction are according to machinery directive 98/37 EEC, CE identification in accordance to EMC-directive 2004/108/EEC and low voltage directive 2006/95/EEC. Motor operating instruction are available from motor manufacturer.

| <b>Fan-type<br/>Article-No</b> | <b>DKH_315-2_W070.5HA-U19 (alternate technical data)<br/>N63-31541</b> |
|--------------------------------|--|
| Voltage[V]                     | 230D/460Y  |
| Frequency[Hz]                  | 60   |
| Power P1[kW]                   | 1.34/1.47  |
| Current I[A]                   | 3.75/2.1   |
| Speed n[1/min]                 | 2920/3065  |
| Capacitor C[μF]                | -  |
| Max. air temp. tR[°C]          | 40   |
| Min. pressure dpst[Pa]         | -  |
| Delta I[%]                     | -  |
| Startup current Ia/In          | 3.1  |
| Protection mode                | IP 54  |
| Weight[kg]                     | 10.1   |
| Wiring diagram                 | 01.006/01.005  |

### **Octave sound power level**

| f[Hz]      | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
|------------|-----|-----|-----|------|------|------|------|
| LwA8[dBA]: | -19 | -10 | -5  | -3   | -6   | -13  | -18  |
| LwA6[dBA]: | -22 | -13 | -8  | -6   | -9   | -16  | -21  |
| LwA5[dBA]: | -25 | -15 | -10 | -11  | -12  | -16  | -21  |

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