

17.01.2005

DKHR 450-4SW.138.6HF

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 2.5, DIN/ISO 1940.

Closed motor, protection class IP 44/54 with protection against humidity and thermal contacts wired in windings for motor protection. Maintenance free ball bearings, closed on both sides, sealed for life. Electrical connection through terminal box (not connected) in IP 44.

Documentation :

Manufacturers declaration and operating instruction are according to machinery directive 89/392/EEC, CE identification in accordance to EMC-directive 89/336/EEC and low voltage directive 73/23/EEC. Motor operating instruction are available from motor manufacturer.

| Fan-type Article-No | DKHR 450-4SW.138.6HF Ros: N63-45018 | |
|--------------------------------|--|---------------|
| Voltage[V] | 208D/230D/380Y/460Y | 230D/400Y |
| Frequency[Hz] | 60 | 50 |
| Power P1[kW] | 1.56/1.65/1.60/1.80 | 1.15 |
| Current I[A] | 5.6/5.6/3.2/3.7 | 6.0/3.5 |
| Speed n[1/min] | 1640/1665/1650/1700 | 1430 |
| Capacitor C[µF] | - | - |
| Max. air temp. tR[°C] | 70/70/70/60 | 60 |
| Min. pressure dpst[Pa] | - | - |
| Delta I[%] | - | - |
| Startup current Ia/In | 4 | 5.6 |
| Protection mode | IP 54 | IP54 |
| Weight[kg] | 20.0 | 20.0 |
| Wiring diagram | 01.006/01.006/01.005/01.005 | 01.006/01.005 |

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