

20.05.2015

DRAD 240-4L

Centrifugal fans

with forward curved impellers and slippage characteristics, Types ERA.../ DRA...

Single and double inlet casings, made from galvanized steel, with spiral scroll. Impellers with forward curved blades made from galvanized steel, mounted onto the rotor of a speed controllable external rotor motor. 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 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:

Declaration of incorporation and operating instruction are according to Machinery Directive 2006/42/EC, CE identification in accordance to EMC-directive 2004/108/EC and Low Voltage Directive 2006/95/EC. Motor operating instruction is available from motor manufacturer.

Fan-type Article-No	DRAD 240-4 L
Voltage[V]	460 D
Frequency[Hz]	60
Power P1[kW]	1.6
Current I[A]	2.7
Speed n[1/min]	1480
Capacitor C[μF]	-
Max. air temp. tR[°C]	50
Min. pressure dpst[Pa]	200
Delta I[%]	-
Startup current Ia/In	2.8
Protection mode	IP 54
Weight[kg]	21
Wiring diagram	01.006
K-Factor	-

Data related to operating point

	440_	400_	380_	280_	230_	180_	140_	095_	438	Actual	Requ ested
U[V]	D	D	D	D	D	D	D	D			
dV/dt[cfm]	2002	1948	1912	1685	1511	1263	1023	649	2001	2001	
dPt[ln WG]	2.08	1.97	1.89	1.47	1.18	0.827	0.542	0.218	2.07		
dPfa[ln WG]	1.39	1.32	1.27	0.988	0.793	0.555	0.364	0.146	1.39	1.39	
I[A]	2.22	2.12	2.10	2.07	2.05	1.96	1.76	1.42	2.22		
P[kW]	1.26	1.18	1.14	0.913	0.755	0.565	0.395	0.210	1.26		
n[1/min]	1570	1525	1503	1329	1192	1004	839	563	1569		

Octave sound power level

f[Hz]	125	250	500	1000	2000	4000	8000
LwAreI6	-23	-14	-9	-3	-7	-10	-16
LwAreI5	-19	-13	-10	-4	-6	-8	-15



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