



Fan box type BUPE

Direct driven centrifugal fan box with acoustic insulation. The range consists of 6 sizes and 9 types and covers an air flow range from 900 up to 9600 m³/h.

Application

- **BUPE** fans are used for air supply or exhaust of offices, restaurants or shops

Composition

- **BUPE** fan casings are manufactured from fabricated galvanized sheet steel and internally lined with high grade acoustic insulation material
- The **BUPE** casing design enables the fan to be accessed from both side panels.
- A wiring entry grommet is provided on the duct outlet panel to facilitate wiring and installation

Fan

- Low pressure centrifugal fan with forward curved impeller manufactured from pressed and formed galvanised sheet steel
- All impellers are factory fitted to the motors and dynamically balanced to minimise vibration

Motor

- Closed motor
- Protection class IP44, insulation class F
- Supply: 230Vac 1ph or 400Vac 3ph
- All models include a Safety Thermal Overload protection device.

NOTE: **BUPE** fans must never be used in free inlet configuration. Measure current at start-up and respect minimal pressure values as indicated in the table.

Options

- Fan without casing: type **DA**

Accessories

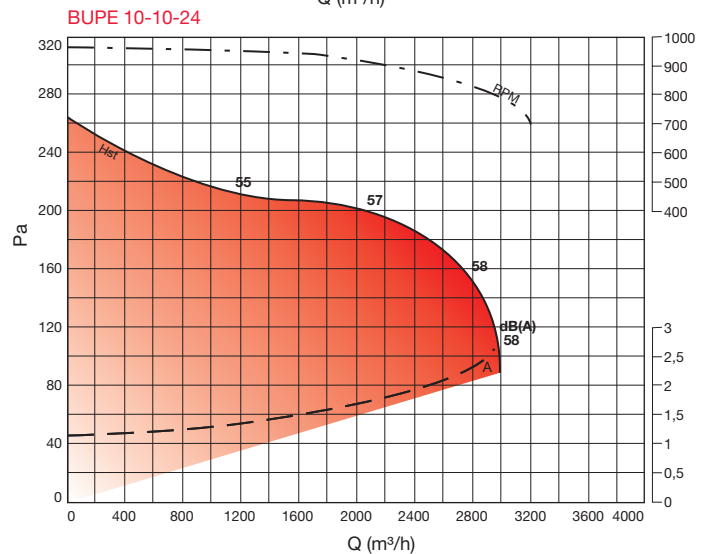
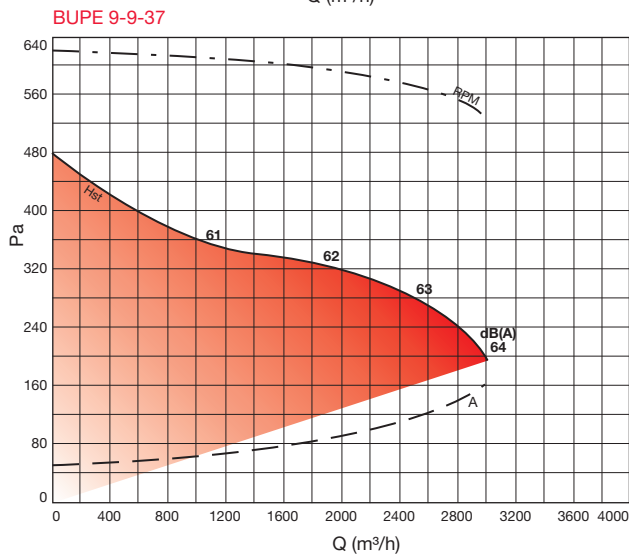
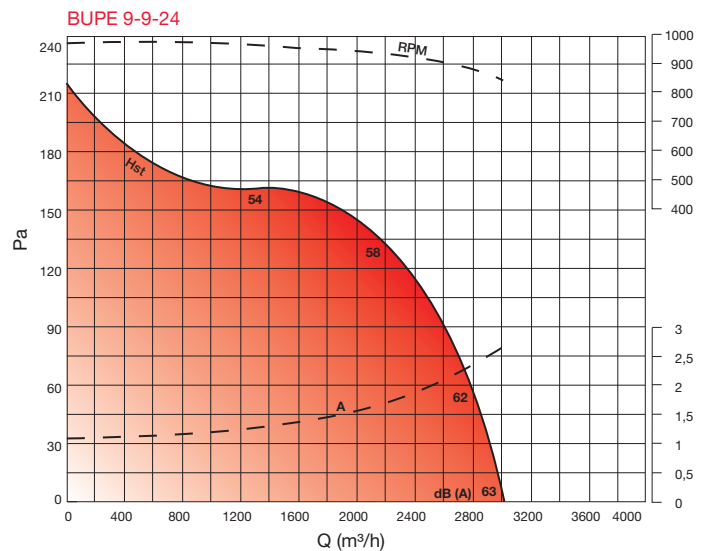
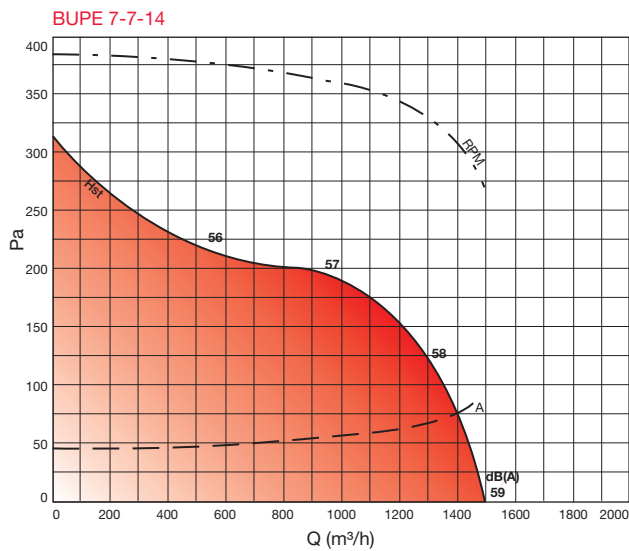
- Auto transformer type **BTRN** or **BTRNTK**
- Clamping strip type **BMK**
- Filter box type **FLK-B (G4 filter)** or **FLF-B (F7 filter)**
- Silencer type **SAR**
- Duct battery type **CVA, CWA, CWK**

Order example

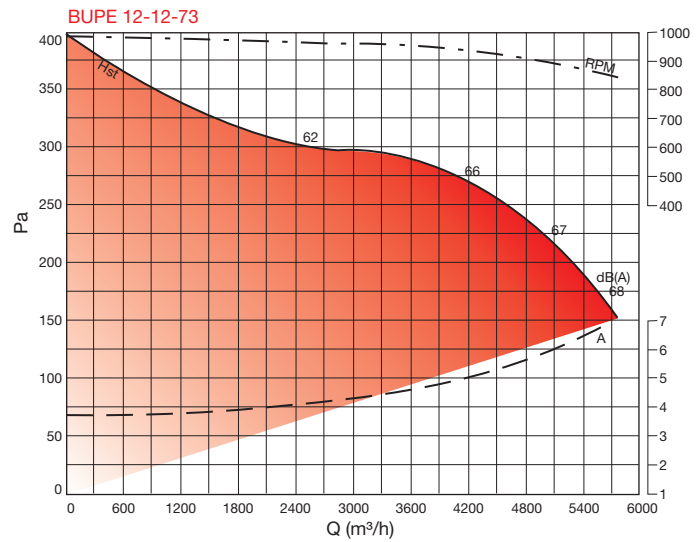
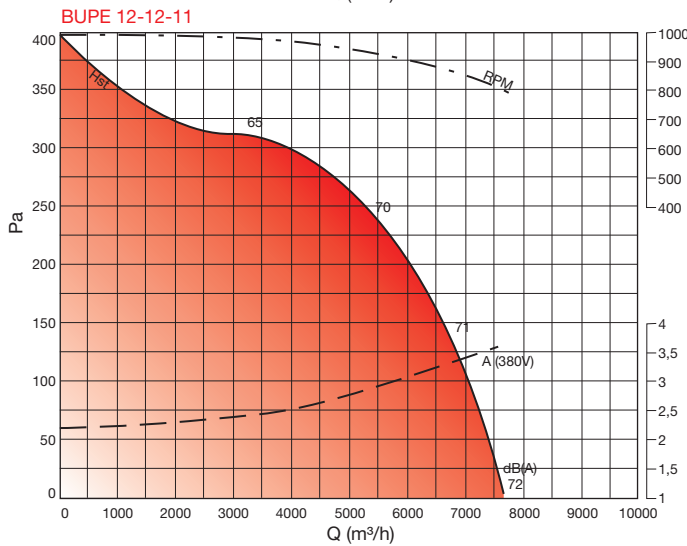
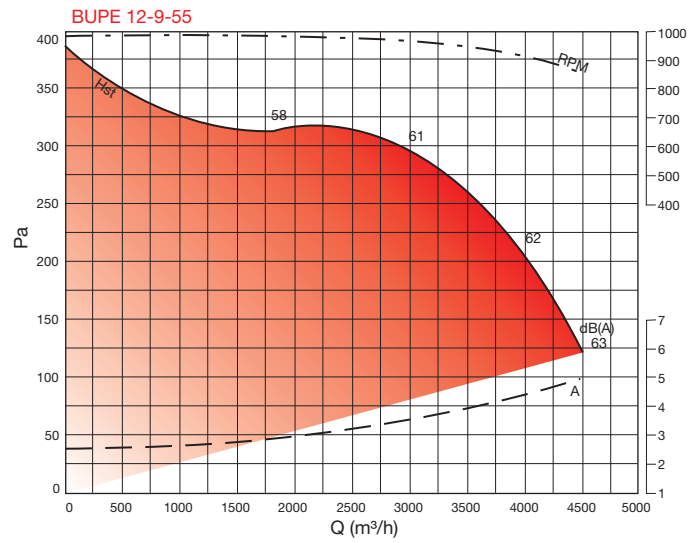
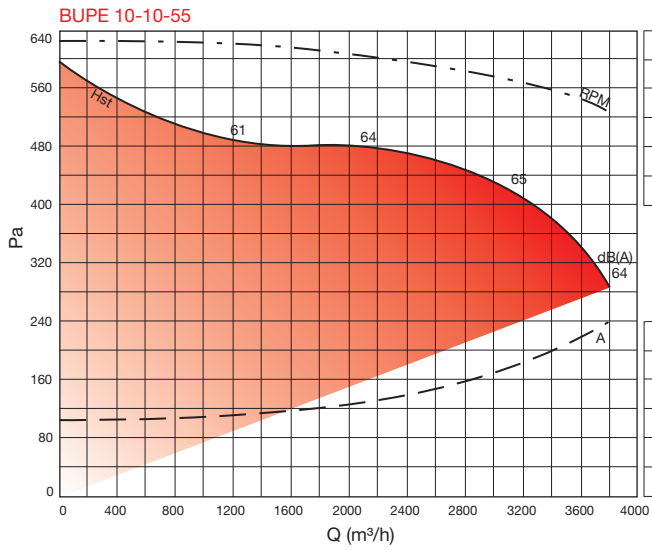
BUPE 9-9-24 + BTRN 1-3
 BUPE 9-9-24 = fan
 BTRN 1-3 = speed controller

	Air performance data						
	50 Pa	100 Pa	150 Pa	Qv [m³/h]			400 Pa
BUPE 7-7-14	1430	1350	1200	900	300	-	-
BUPE 9-9-24	2500	2050	1800	-	-	-	-
BUPE 9-9-37	-	-	-	2800	2600	2300	800
BUPE 10-10-24	3200	3000	2500	1200	-	-	-
BUPE 10-10-55	-	-	-	-	-	3700	2750
BUPE 12-9-55	-	-	3800	3600	3000	2000	-
BUPE 12-12-73	-	-	5650	5400	4250	3600	-
BUPE 12-12-11	-	7100	6600	5900	5000	3800	-

Selection curves



Selection curves

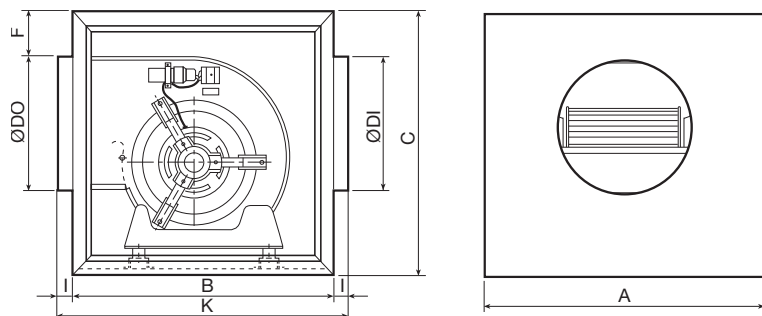


Note

The BUPE fan may never be used with free inlet. There should be a minimal counter-pressure as indicated above. Please measure the current at first starting.

Technical data						
	U [V]	P [W]	I [A]	SC _T	n [rpm]	Lpa @ 1m [dB(A)]
BUPE 7-7-14	1 x 230	147	1.70	BTRN-1-2	1430	56
BUPE 9-9-24	1 x 230	245	2.50	BTRN-1-3	980	55
BUPE 9-9-37	1 x 230	373	4.10	BTRN-1-5	1430	60
BUPE 10-10-24	1 x 230	245	3.20	BTRN-1-5	980	55
BUPE 10-10-55	1 x 230	550	4.60	BTRN-1-7	1470	64
BUPE 12-9-55	1 x 230	550	4.50	BTRN-1-7	980	60
BUPE 12-12-73	1 x 230	736	8	BTRN-1-10	980	64
BUPE 12-12-11	3 x 230 / 380	1100	8 / 4,6	BTRN-3-10 / BTRNTK-4-60 *	980	67

SC_T = Transformer speed controller
Lpa = Sound pressure level



Dimensions									
	ØDI [mm]	ØDO [mm]	A [mm]	B [mm]	C [mm]	F [mm]	I [mm]	K [mm]	Kg
BUPE 7/7	250	250	455	445	455	75	35	515	32
BUPE 9/9	355	355	555	515	535	95	35	585	43
BUPE 10/10	400	400	595	565	590	90	35	635	55
BUPE 12/9	450	450	675	620	640	55	35	690	72
BUPE 12/12	450	450	675	620	640	55	35	690	75