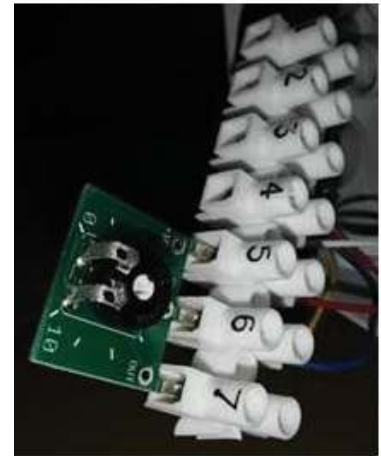


Duct fans

BCS-ECP

- Duct fans
- Circular
- Powder coated sheet steel
- Centrifugal
- EC 230 V



Duct fans with EC-motor + integrated potentiometer type BCS-ECP

Centrifugal duct fan with an EC motor EBM Papst with integrated potentiometer

Application

- **BCS-EC** fans are designed to be built-in in circular ducts
- They are used for ventilation in many applications such as offices, restaurants, technical rooms or other

Composition

- Backward curved impeller made of plastic (EBM Papst)
- EC-motor (EBM Papst) 230 V ca 1ph, speed controllable by means of a 10k Ohm potentiometer or a external signal 0-10V Vdc, protection class IP54, insulation class B
- Integrated automatic thermal contact with automatic restart, locked-rotor protection, softstart
- Maintenance-free, long-life ball bearings
- Sheet steel housing powder coated RAL 7035
- Junction box IP54 with cable gland
- Mounting bracket included
- With integrated potentiometer for an unique adjustment

Accessories

- Potentiometer, type **MTP010**
- 3-speed operation switch 0-10V, type **MSS-D**
- Clamping strip, type **BMK**
- Safety grille, type **BSV**

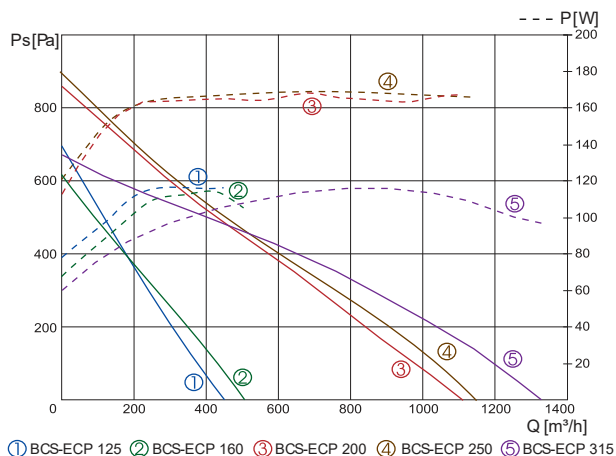
Order example

BCS-ECP250 + MTP010

- **BCS-EC** = type of fan
- **250** = diameter
- **MTP010** = potentiometer

Air performance data										
	Q [m³/h]									
	50Pa	100Pa	150Pa	200Pa	250Pa	300Pa	400Pa	500Pa	600Pa	700Pa
BCS-ECP 125	415	375	340	305	270	235	175	115	-	-
BCS-ECP 160	470	430	390	345	305	260	175	90	55	-
BCS-ECP 200	1050	985	910	840	780	710	570	430	295	180
BCS-ECP 250	1100	1045	975	910	840	755	600	455	320	200
BCS-ECP 315	1270	1200	1125	1035	955	860	650	400	145	-

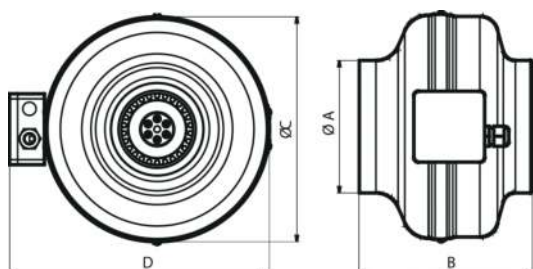
Selection curves



Technical data												
	U [V]	P [W]	I [A]	SC _p	η _t [%]	t _m [°C]	t _u [°C]	t _o [°C]	n [rpm]	Lwa [dB(A)]		
										Lwa 5	Lwa 6	Lwa 2
BCS-ECP 125	230	85	0.87	MTP010	-	60	60	-25	3200	69	69	55
BCS-ECP 160	230	83	0.88	MTP010	-	60	60	-25	3200	72	72	59
BCS-ECP 200	230	170	1.59	MTP010	-	45	45	-25	3210	75	75	59
BCS-ECP 250	230	170	1.32	MTP010	-	45	45	-25	3210	77	77	60
BCS-ECP 315	230	166	1.56	MTP010	-	60	60	-25	2550	78	78	62

- SC_P = Potentiometer 0-10V
- η_t = Maximum total efficiency
- t_m = Maximum air temperature
- t_u = Maximum ambient temperature
- t_o = Minimum operating temperature
- Lwa 2 = Casing sound power level
- Lwa 5 = Sound power level @inlet
- Lwa 6 = Sound power level @outlet
- The sound power levels are measured according to DIN 45635

product drawing



Dimensions					
	ØA [mm]	B [mm]	ØC [mm]	D [mm]	[kg]
BCS-ECP 125	125	207 ±2	245	290	2.36
BCS-ECP 160	160	200 ±2	245	290	2.66
BCS-ECP 200	200	240 ±2	345	390	4.33
BCS-ECP 250	250	245 ±2	345	390	4.33
BCS-ECP 315	315	250 ±2	400	445	5.61