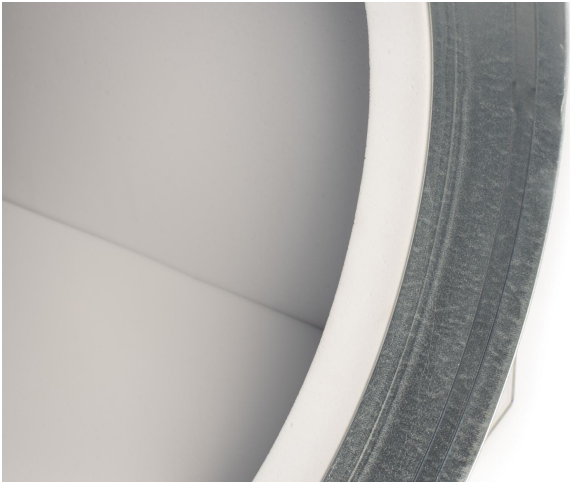


DATASHEET

PowerBox and SilentBox 11400



PowerBox / SilentBox



SilentBox noise insulation foam

SPECIFICATIONS

Powered by **ECblue** Premium Efficiency **ErP2015** IT EXCEEDS THE WORLD

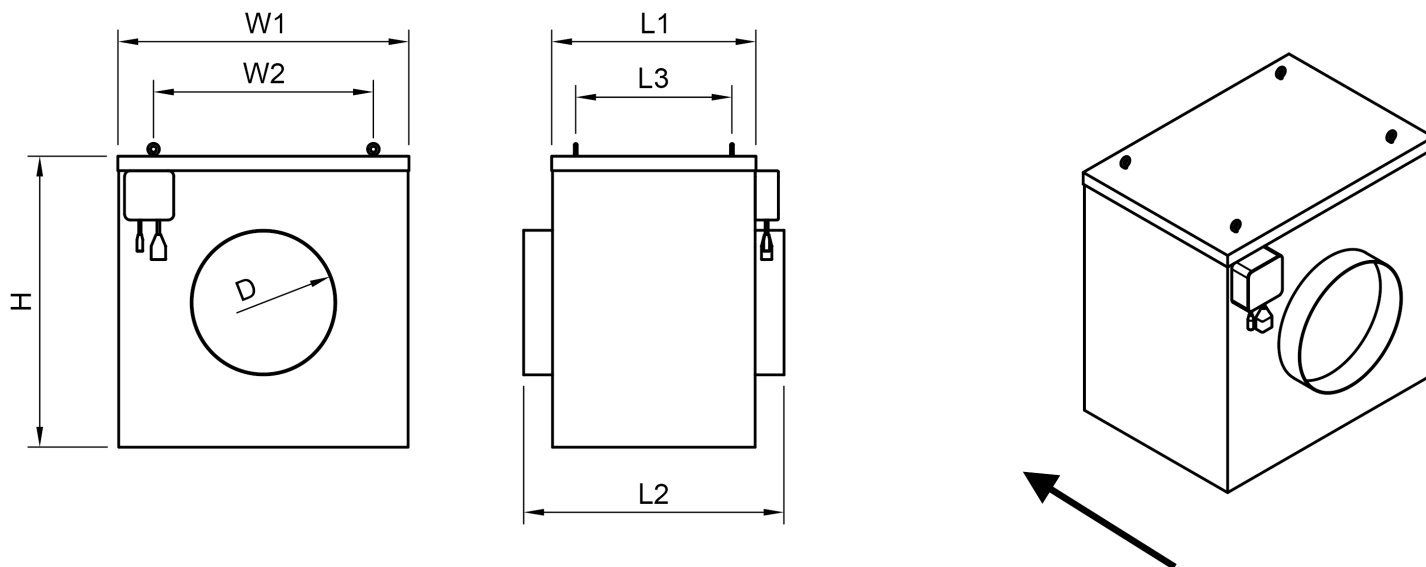
Product name	PowerBox 11400		SilentBox 11400
Product code	ART-PB11_ZA		ART-SB11_ZA
Origin	Switzerland / Swiss made		
Airflow max. fan (m³/h)	11,400		11,400
Static pressure max. fan (Pa)	1600		1600
ErP energy efficiency conformity	 ErP 2015 conform – ErP 2026 ready · Exceeds both norms		
ErP fan box performance data	Measurement category ErP: A Air flow q(v) on Eta opt: 6699 m³/h Pressure increase p(fs) on Eta opt: 1333 Pa Input power P(1) on Eta opt: 3667 W Efficiency η(statA): 72.7 % Efficiency grade: N(actual) = 77.3 / N(target) = 62* *ErP 2015 centrifugal backward curved fan with housing Efficiency class IE5	Measurement category ErP: A Air flow q(v) on Eta opt: 6699 m³/h Pressure increase p(fs) on Eta opt: 1333 Pa Input power P(1) on Eta opt: 3667 W Efficiency η(statA): 72.7 % Efficiency grade: N(actual) = 77.3 / N(target) = 62* *ErP 2015 centrifugal backward curved fan with housing Efficiency class IE5	
Manufacturers fan model and article number	  GR40I-ZID.GG.CR 116897/A01		
Motor type	 EC (Electronically Commutated) with integrated controller		
Fan impeller type	Backward-curved blades (centrifugal fan)		
Fan impeller material	 ZAmid® · Composite of polyamide and glass fibre		
Rated temperature range	-20 to 55°C		
Motor protection	Integrated active temperature management. Thermal overload protection Class F (155°C). Locked-Rotor protection.		
Protection against dust and water	IP55 (fan and motor only)		
Power consumption maximum (W)	3700		3700
Current maximum (A)	5.8		5.8
Voltage range (V _{AC}), Frequency (Hz), Phase (1~ / 3~)	380-480 V, 50 Hz, 3~		
RPM control	0-10 V analogue (RJ45 pre-wired), PWM (RJ45 pre-wired), and MODBUS RS-485 (not wired)		
Noise Insulation	None	BASF Basotect® G+ melamine foam 30 mm thick Very low flammability (rating B according to EN 13501-1) Naturally fire resistant, no chemical flame retardants.	
Housing material	Galvanised steel		
Weight (kg)	50.6		51.3
Allowed mounting orientation	Horizontal, Vertical, 45° and 90°		
Contact: Vertriebs- / AG-Service, Industriestrasse 45, 6312 Steinhausen, Switzerland			

DATASHEET

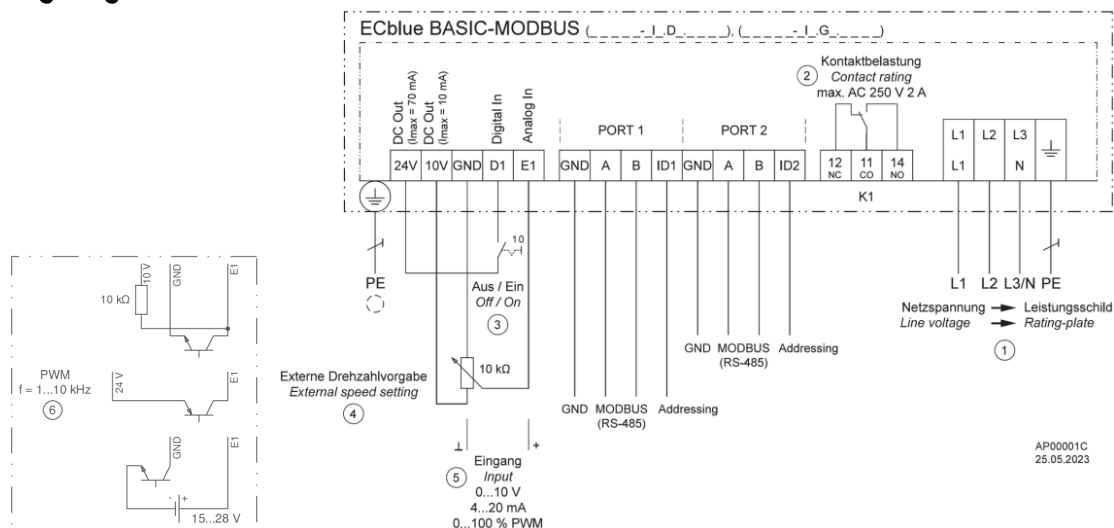
PowerBox and SilentBox 11400

Dimensions

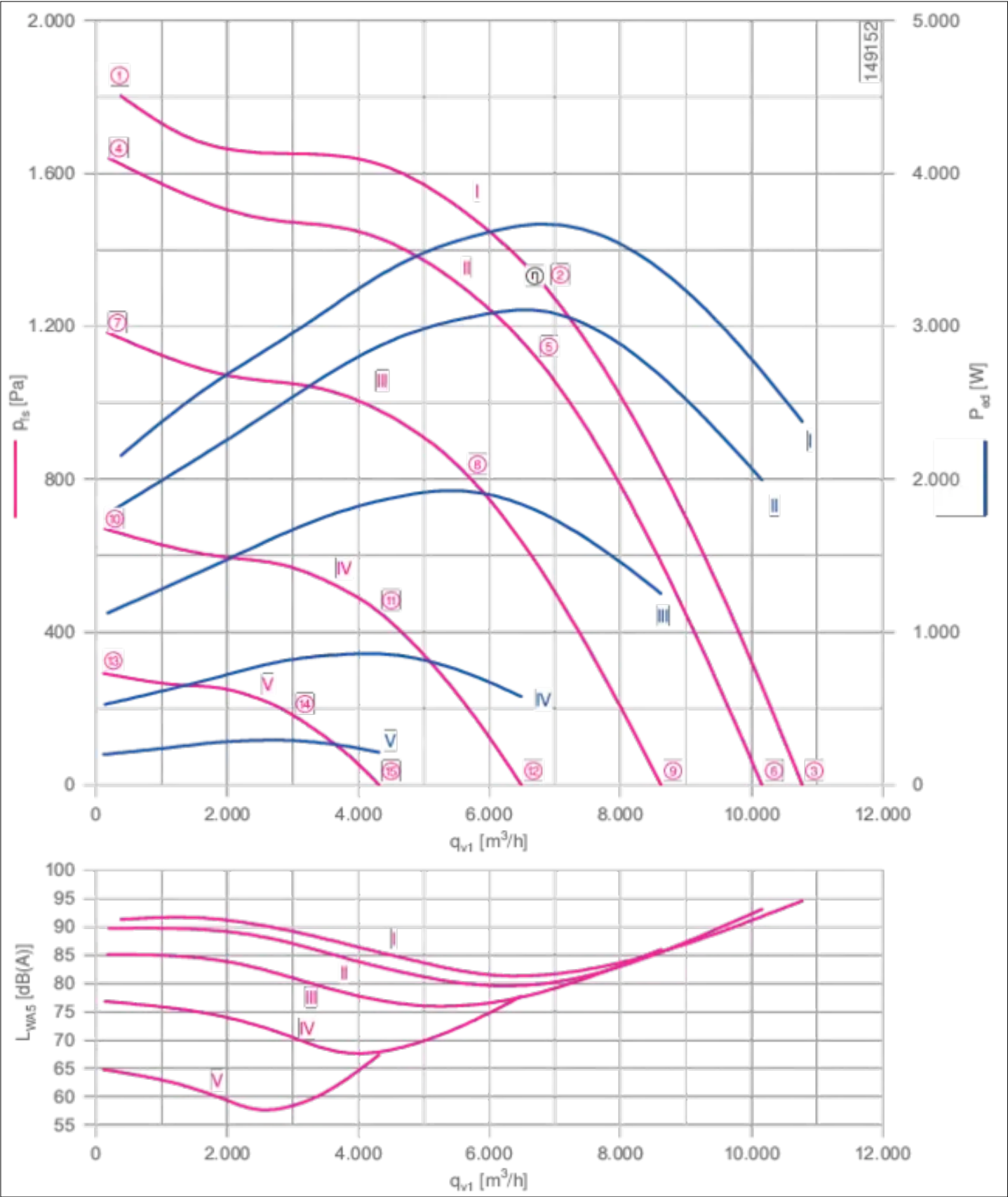
Product name		PowerBox 11400	SilentBox 11400
Dimensions (mm)	L1	655	
	L2	785	
	W1	803	
	H	805	
Hanging points M6 (mm)	L3	Not applicable	
	W2		
Duct Connection (mm)	D	500	



Wiring diagram



Wiring diagram	Function	Cable colour code from EC motor	RJ45 Pin-assignment
MODBUS A	Bi-directional communication		1 not wired
MODBUS B	Bi-directional communication		2 not wired
10V	DC Out	Red	3
E1	Control input 0-10V / PWM	Yellow	4
GND	Ground connection for control interface	Blue	5
11	Current fault reporting		6 not wired
12	Fault reporting		7 not wired
14	Fault reporting		8 not wired



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