BB 89 AC 145 mm 1-Stage High-Flow | *Blower ByPass Brushless*

- » *BLDC Blower / Electronically Commutated*
- » *Onboard controller with digital signal processor (DSP)*
- » *Programmable for various speed profiles and signals*
- » *Closed-Loop speed control*
- » *Universal voltage capability*
- » *Onboard calibration potentiometer*
- » *Robust aluminium housing and impeller*
- » *Aerodynamically optimized impeller and housing*

Data		650W	1200W	1400W
Nominal voltage	VAC	100-240	100-240	230
Frequency	Hz	50/60	50/60	50/60
Phase	~	1	1	1
Fan housing diameter	mm	145	145	145
Fan stages	n°	1	1	1
Max. airflow	m3/h	350	410	455
Max. pressure	KPa	5.6	10	11.1
Max. vacuum	KPa	5.3	9.4	10.5
Input power	W	650	1200	1400
Current @ 120V	A	7	12	-
Current @ 230V	A	5	9	11
Max. speed	rpm	13500	22500	25000
Weight	Kg	2.7	2.7	2.7
Standard Features				
Speed command input	VDC	0-10	0-10	0-10

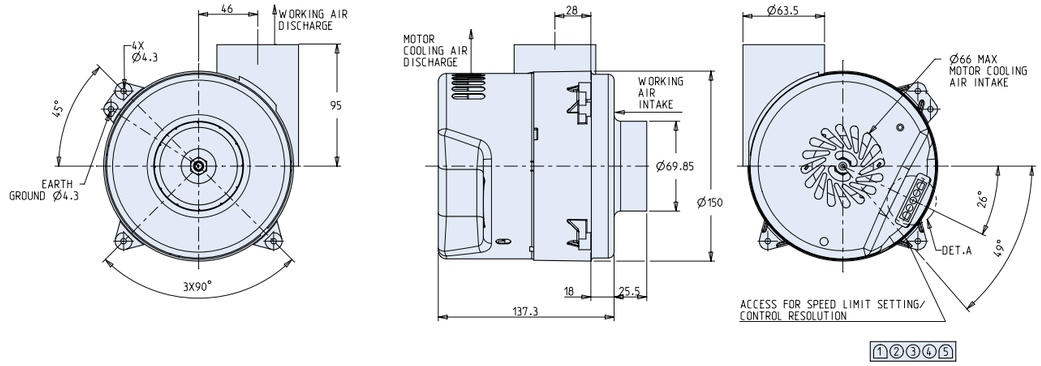
Options

A) Mechanical
- » *Enhanced corrosion protection*
- » *No inlet tube on working air*
- » *Working air peripheral discharge*
- » *Cooling air inlet tube*
- » *Various mounting patterns*

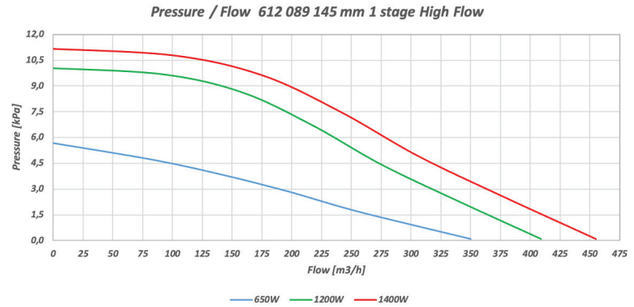
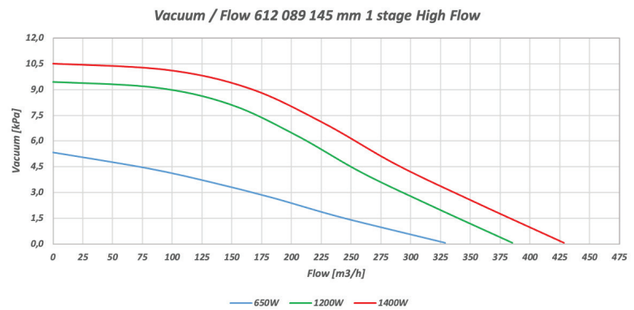
B) Electrical / Software
- » *Various digital output signals*
- » *Tach output resolution (up to 6 ppr)*
- » *Speed command input (PWM or 5 - 20mA)*
- » *Open-loop speed control*
- » *Customized software functions*
- » *External potentiometer input*
- » *Auxiliary DC voltage output*

BB 89 AC 145 mm 1-Stage High-Flow | *Blower ByPass Brushless*

Dimensions in mm



See page 50 for Mechanical Options
See page 97 for Connector Harnesses

Pin Assignment	
Mating Connector: AMP Mate-N-Lok 350809-1, using universal Mate-N-Lok Sockets with 18 gauge wire	
Mating Connector Pins: Mate-N-Lok 350874-1	
Pin #	*Function*
1	*Speed command 0-10VDC*
2	*Speed command 0-10VDC*
3	*Ground*
4	*Line*
5	*Neutral*

Characteristic diagram