

AMG

PWM CONTROL

Energy-saving electronic circulation pumps which meet the requirements of A-rated pumps.

PWM CONTROL

The energy efficiency index of pumps from the AMG series is:

$$EEI \leq 0,20$$

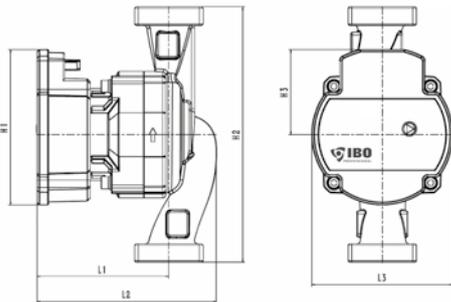
The pumps are designed to force circulation in systems equipped with an electronic processor, which automatically controls the operation of the pumps. This feature, in combination with a frequency converter, allows for significant savings in electricity consumption. This solution is used in central heating and solar installations. The equipped processor enables the pump to choose one of 8 modes of operation as needed per installation. The power consumption is from 1/10 to 1/3 lower than in classic pumps. The pump set includes a set of screw connections and a power cord.



Application:

The AMG series circulation pump is best suited for the following systems:

- Equithermic heating systems with variable flow
- Heating systems with variable pipeline temperature
- Heating systems with night mode
- Air conditioning systems
- Industrial circulation systems
- Home central heating systems and home hot water systems



Model	Dimensions (mm)					
	L1	L2	L3	H1	H2	H3
AMG XX-XX/130	93	126	99	110	130	60
AMG XX-XX/180					180	

SPECIFICATIONS						
Electrical supply	1 × 230 V + 6%/-10%, 50 Hz					
Motor protection	No additional motor protection is required					
Ingress Protection Code	IP 44					
Insulation class	E					
Maximum ambient relative humidity	≤ 95%					
Maximum pressure in the central heating system	1 Mpa					
Minimum inlet suction pressure depending on heating medium temperature	Medium temperature					
	Min. inlet pressure					
	<table border="1"> <tr> <td>≤ 85°C</td> <td>0,005 MPa</td> </tr> <tr> <td>≤ 90°C</td> <td>0,028 MPa</td> </tr> <tr> <td>≤ 110°C</td> <td>0,100 MPa</td> </tr> </table>	≤ 85°C	0,005 MPa	≤ 90°C	0,028 MPa	≤ 110°C
≤ 85°C	0,005 MPa					
≤ 90°C	0,028 MPa					
≤ 110°C	0,100 MPa					
EMC compliance	EN61000-6-1; EN61000-6-3					
Running pump sound pressure	43 dB (A)					
Allowable ambient temperature	0~+40°C					
Maximum heating medium temperature	TF 110					
Maximum heat of pump surface	≤ 125°C					
Fluid temperature range	2~+110°C					

MODEL	Operation mode (x1)	Lift (m)	Capacity (l/min)	Motor power (W)	Connector diameter (inch)	Connector spacing (mm)	Weight (kg)
AMG 25-40/180	10	4	42	22	15	180	2,1
AMG 15-60/130	10	6	48	45	158	130	2,0
AMG 25-60/130	10	6	55	45	25	130	2,0
AMG 25-60/180	10	6	55	45	25	180	2,3
AMG 25-80/180	10	8	65	65	25	180	2,8
AMG 32-80/180	10	8	70	65	32	180	2,8