



SPM SERIES
AKS 688
SHADE-POLE MOTORS

15
20
25
30
40
45



Fields of Use

- Suitable for use in any industrial heating or cooling applications.
- Designed especially for evaporator cooling applications in horizontal and vertical refrigerators.

Options of Use

- Standard use with the on-off button.
- Possibility to use at desired speed by use of speed control devices.
- Thermal protection with sensors against overheating in hot places.

Product Features

- Made of high-quality aluminum body and thin electrical steel sheet motor, the product is resistant to corrosion, high temperatures, moisture and external factors like contamination and oils.
- Self-lubricating motor bearings provide a silent and long-life performance.
- Can be operated at desired position.
- Motor included in Class-I protection class.
- Motor included in B insulation class.
- Motor can be produced sintered bushing or ball bearing upon customer request.
- Custom manufacturing with desired technical features is possible.
- All products are manufactured in accordance with the EN 60034-1, Low Voltage Equipment [2006/95/EC] and Electromagnetic Compatibility [2004/108/EC] norms.

Advantages Offered by the Product

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Specially designed motor with aluminum body is resistant to harsh working conditions.

The stator made of electrical steel sheets provides optimum electromagnetic field distribution and high performance.

Squirrel cage rotor manufactured with the vertical aluminum injection method minimizes efficiency losses.

Best quality shafts, bearings and springs are used.

Self-lubricating motor bearings provide silent and long-life performance.

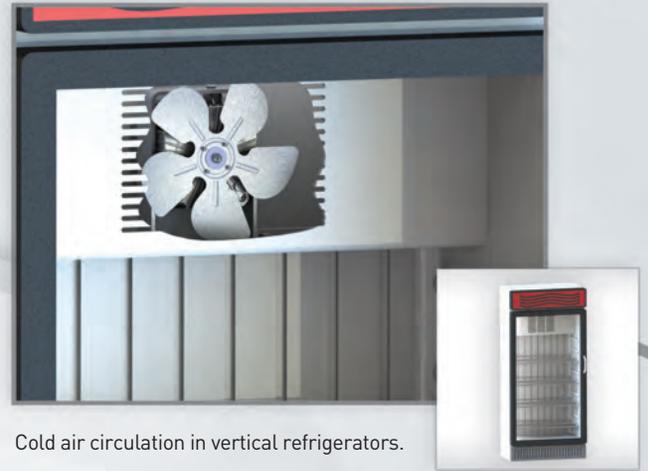
Easy mounting with high strength foot made of galvanized steel sheet.

Installation Procedure

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Condenser cooling applications in horizontal refrigerators.



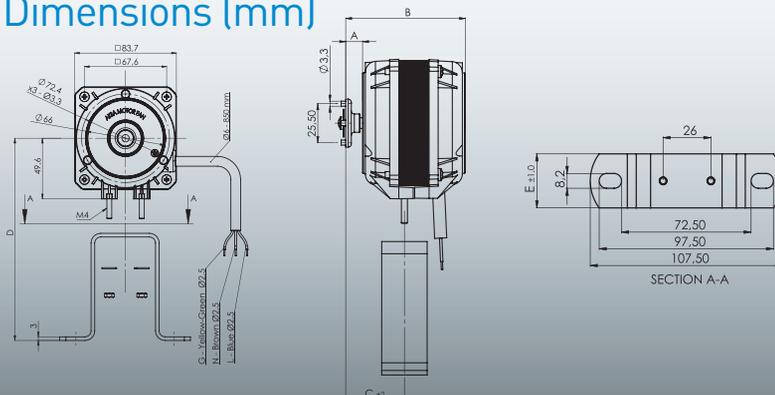
Cold air circulation in vertical refrigerators.

Technical Properties

Model	Impeller Size (mm)	Power Output (W)	Voltage (VAC)	Frequency (Hz)	Speed with Load (rpm)	Power Input (W)	Current (mA)	Env. Temp. (°C)	Material		Protection Class/ IP	Motor Insulation Class	Approval	Certification
									Body	Motor				
AKS 688-15	Ø154-34°	5	230	50/60	1400	28	170	-30/40	Aluminum	DC01/CR steel sheet	I / IP42	B		CE
	Ø172-34°				1400	30	180							
	Ø200-28°				1350	31	180							
AKS 688-20	Ø200-28°	10			1400	41	260							
	Ø200-34°				1400	42	260							
AKS 688-25	Ø230-34°	16			1300	69	440							
	Ø254-28°				1300	68	440							
AKS 688-30	Ø254-28°	18			1400	64	430							
	Ø300-22°				1300	75	460							
AKS 688-40	Ø254-28°	25			1400	79	580							
	Ø300-22°				1350	90	610							
AKS 688-45	Ø300-28°	34			1350	114	750							
	Ø300-34°		1250	137	840									



Dimensions (mm)



MODEL	A	B	C	D	E
AKS 688-15	18	81	46	134,5/156,5/157,5	23/38/50
AKS 688-20	17	85	45	134,5/156,5/157,5	23/38/50
AKS 688-25	22	95	50	134,5/156,5/157,5	23/38/50
AKS 688-30	22,5	100,5	50,5	134,5/156,5/157,5	23/38/50
AKS 688-40	22	10	50	134,5/156,5/157,5	23/38/50
AKS 688-45	21,5	114,5	49,5	134,5/156,5/157,5	23/38/50