

What are Anti Condensation Heaters (ACH)?

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Anti Condensation Heaters (or ACH) are heating devices used to protect electric motors against condensation when motors are installed in damp or wet conditions or conditions where condensation may occur. ACH must be energised when the motor is not running and de-energised when the motor is running.

ACH are not fitted as standard, but are available as a additional retro fit option by request.

A separate terminal block is usually provided for the heater connections.

Usually the rated voltage is either 110Vac or 230Vac.

Total power is not normally critical and standard ACH units may be fitted on industrial motors over a wide range of supply voltages.

220V Heater bands (wire colour orange)

Motor Frame Size	Type	Length (mm)	Watts	Resistance (min-max ?)
80	00b	203	8	5200-6655
90	0b	305	25	1670-2110
100	1b	432	26	1615-2008
112	2b	686	21	2059-2555
132-160	3b	686	40	1110-1299
180-200	4b	762	26	1671-1972
225-250	5b	1016	42	1075-1256
280	7b	1473	65	710-792
315	8b	1702	99	444-520

110V Heater bands (wire colour black)

Motor Frame Size	Type	Length (mm)	Watts	Resistance (min-max ?)
80	00a	203	8	1360-1663
90	0a	305	22	478-582
100	1a	432	27	407-488
112	2a	686	21	530-621
132-160	3a	686	40	275-325
180-200	4a	762	25	455-505
225-250	5a	1016	39	284-336
280	7a	1473	67	172-192
315	8a	1702	103	109-122

For motors not having the provision of space heaters, 24 V dc supply can be applied between any two terminals.