

# TECHNICAL DATA – EA 90

## CABINET and WATER RESERVOIR

The cabinet and water reservoir are constructed from injection moulded high strength structural polymer, incorporating UV inhibitor additives. All cabinet and reservoir mouldings are slate grey in colour.

## FAN

The fan is a centrifugal type with forward curved blades and double inlets, moulded in one piece from polypropylene. It is inherently, statically and dynamically balanced.

## FAN SHAFT AND BEARINGS

The fan shaft is stainless steel, hollow square section. This provides efficient torque transfer without the use of screw fastenings. Sealed bearings are located with resilient mounts.

## FAN HOUSING

The fan housing is moulded from high strength structural polymer, incorporating resilient mounts for the shaft.

## LOUVRE PANELS

Louvre panels are moulded in high strength structural polymer with UV inhibitor additives, incorporating supports to minimise cooling pad sag.

## FAN MOTOR

Motors are tropic proofed two speed, single phase type, with sealed ball bearings and resilient mounts. For safety, the motor is fitted with auto re-set overloads and one time thermal fuses on active leads. In some regions selected models are available with variable speed motors.

## WATER DISTRIBUTION

Water supply connection to 1/2" BSP float valve. The pump is a centrifugal type with encapsulated windings. Patented distribution trays are moulded from polymer.

## FILTER PADS

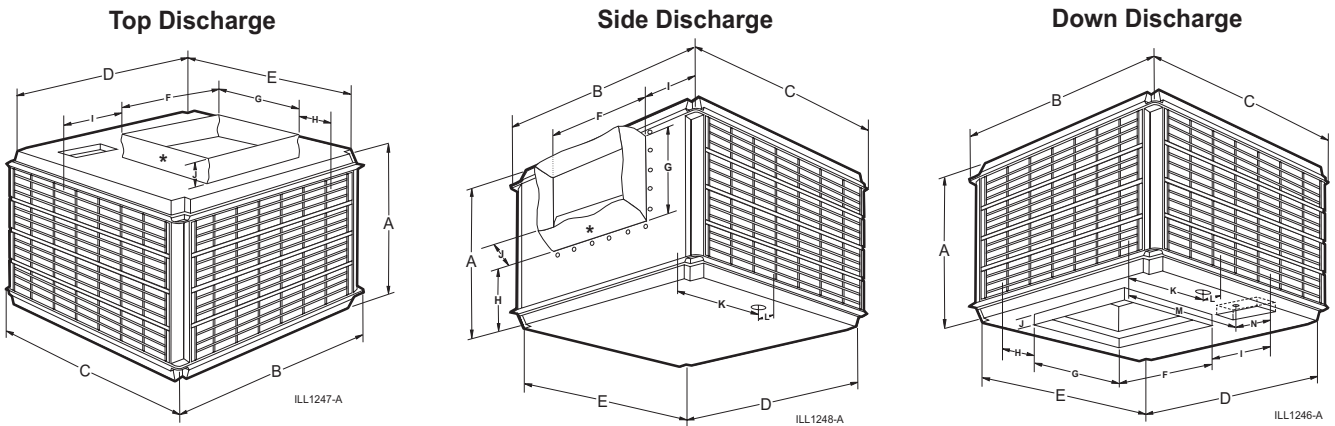
The cooling pads are made of Aspen shredded wood.

SPECIFICATIONS			EA 90D/DV	EA 90S/SV	EA 90T
<b>AIR FLOW</b>	High speed (l/s)at 80pa	l/sec	1630	1531	1630
<b>COOLING CAPACITY</b>	*	Kw	8.72	7.20	8.72
<b>POWER CONSUMPTION (TOTAL)</b>		watts	850	850	850
<b>FAN</b>	Dia x Width	mm	380 x 380	380 x 380	380 x 380
	Shaft & Bearings	mm	22sq/6006-2RS	22sq/6006-2RS	22sq/6006-2RS
	Pulley PCD	mm	205 x A	205 x A	205 x A
	2 Speed (high/low)	rpm	530/350	530/350	530/350
	Variable Speed Range	rpm	530 to 190	530 to 190	Not Available
	V Belt 230/50, 115/60		A50	A50	A45
	V Belt 220/60		Not Available	A49	A45
<b>MOTOR</b>	Output (high/low)	watts	550/165	550/165	550/165
	Type		PSC	PSC	PSC
	2 Speed (high/low)	rpm	1400/960	1400/960	1400/960
	Variable Speed Range	rpm	1400 to 600	1400 to 600	Not Available
	Voltage/Phases/Hz		230 ▽ 10% /1/50, 60 115 ▽ 10% /1/60	230 ▽ 10% /1/50, 60 115 ▽ 10% /1/60	230 ▽ 10% /1/50, 60 115 ▽ 10% /1/60
	Current 2 Speed (high/low)	amps	3.6/2.4	3.6/2.4	3.6/2.4
	Current variable (high)	amps	3.6	3.6	Not Available
	Pulley Type		Variable Pitch	Variable Pitch	Variable Pitch
	Pulley PCD 230/50, 115/60	mm	100-80 x A	100-80 x A	100-80 x A
	Pulley PCD 220/60	mm	Not Available	85-60 x A	100-80 x A
<b>PUMP</b>	Type		Centrifugal	Centrifugal	Centrifugal
	Rating (Input)	watts	30	30	30
	Flow Rate	litres/minute	21	21	21
	Voltage/Phases/Hz		230 ▽ 10% /1/50, 60 115 ▽ 10% /1/60	230 ▽ 10% /1/50, 60 115 ▽ 10% /1/60	230 ▽ 10% /1/50, 60 115 ▽ 10% /1/60
<b>COOLING PAD</b>	Size	mm	570 x 800	570 x 800	570 x 800
	Number of Pads		4	3	4
	Pad Area	m <sup>2</sup>	1.8	1.4	1.8
	Maximum Velocity	m/sec	0.91 (@80pa)	1.16 (@80pa)	0.91 (@80pa)
	Saturation Efficiency	%	88.0	84.9	88.0
<b>WATER</b>	Tank Capacity	litres	25	38	38
	Drain	mm	40 BSP	40 BSP	40 BSP
<b>SHIPPING</b>	Dimensions (inc. Pallet)	mm	945 x 1005 x 885(H)	945 x 1005 x 885(H)	945 x 1005 x 885(H)
	Volume	m <sup>3</sup>	0.84	0.84	0.84
	Mass - Shipping	kg	72	72	72
	Mass - Nett Unit	kg	60	60	60
	Mass - Operating	kg	98	98	98

\* Cooling capacity calculated to Australian standard AS 2913 - 2000, ambient of 38deg C dry bulb & 21 deg C wet bulb, with room exit temperature of 27.4 deg C.

It is the policy of Seeley International to introduce continual product improvement. Accordingly, specifications are subject to change without notice. Please consult with your dealer to confirm the specifications of the model selected.

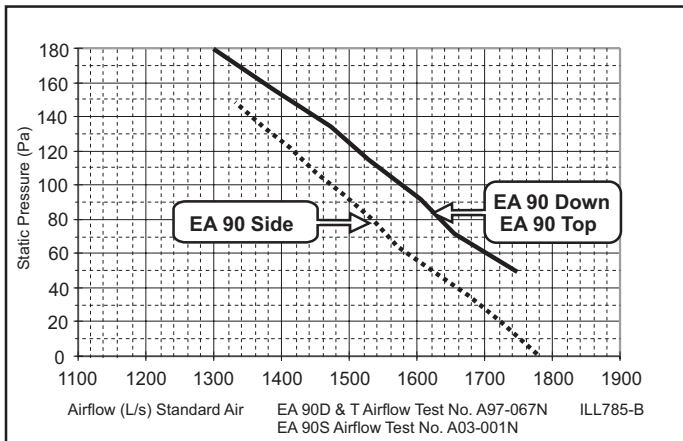
# TECHNICAL DATA – EA 90



**\* Note:** For canvas connection use maximum duct size 500 x 380mm. Where possible always expand duct quickly to minimum 500 x 500mm to reduce friction. Expansion angle recommended 15 to 20 degrees.

Model	A	B	C	D	E	F	G	H	I	J	K	L
Top	760	1005	945	930	870	580	450	90	200	40	565	110
Side	760	1005	945	930	870	506	392	298	237	120	565	110
Down	760	1005	945	930	870	552	552	135	214	50	565	110

Dimensions are in mm.

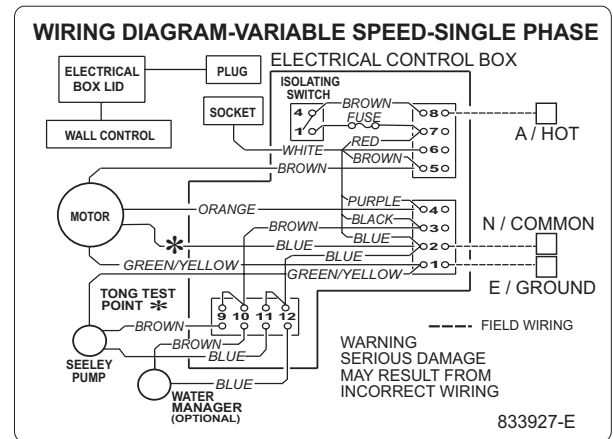
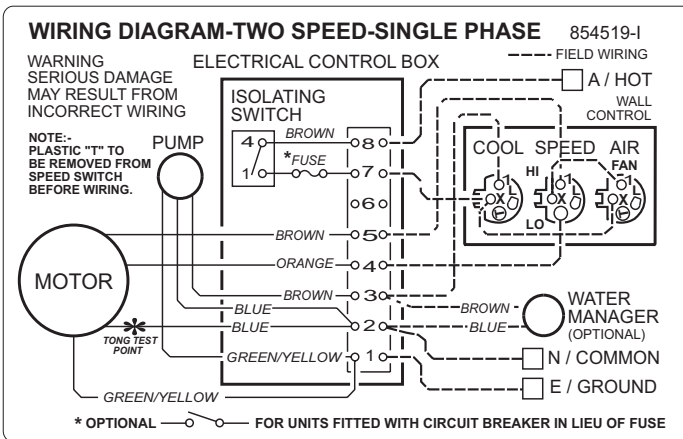


Airflow performance has been measured in accordance with Australian Standard AS 2913 - 2000 iEvaporative Air Conditioning Equipment by Meridian Laboratories Pty Ltd \*.



\*Meridian Laboratories is registered by the National Association of Testing Authorities, Australia. The tests reported herein have been performed in accordance with its terms of registration.

Registration Number: 3697



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# TECHNICAL DATA – EA 120

## CABINET and WATER RESERVOIR

The cabinet and water reservoir are constructed from injection moulded high strength structural polymer, incorporating UV inhibitor additives. All cabinet and reservoir mouldings are slate grey in colour.

## FAN

The fan is a centrifugal type with forward curved blades and double inlets, moulded in one piece from polypropylene. It is inherently, statically and dynamically balanced.

## FAN SHAFT AND BEARINGS

The fan shaft is stainless steel, hollow square section. This provides efficient torque transfer without the use of screw fastenings. Sealed bearings are located with resilient mounts.

## FAN HOUSING

The fan housing is moulded from high strength structural polymer, incorporating resilient mounts for the shaft.

## LOUVRE PANELS

Louvre panels are moulded in high strength structural polymer with UV inhibitor additives, incorporating supports to minimise cooling pad sag.

## FAN MOTOR

Motors are tropic proofed two speed, single phase type, with sealed ball bearings and resilient mounts. For safety, the motor is fitted with auto re-set overloads and one time thermal fuses on active leads. In some regions selected models are available with variable speed motors.

## WATER DISTRIBUTION

Water supply connection to 1/2" BSP float valve. The pump is a centrifugal type with encapsulated windings. Patented distribution trays are moulded from polymer.

## FILTER PADS

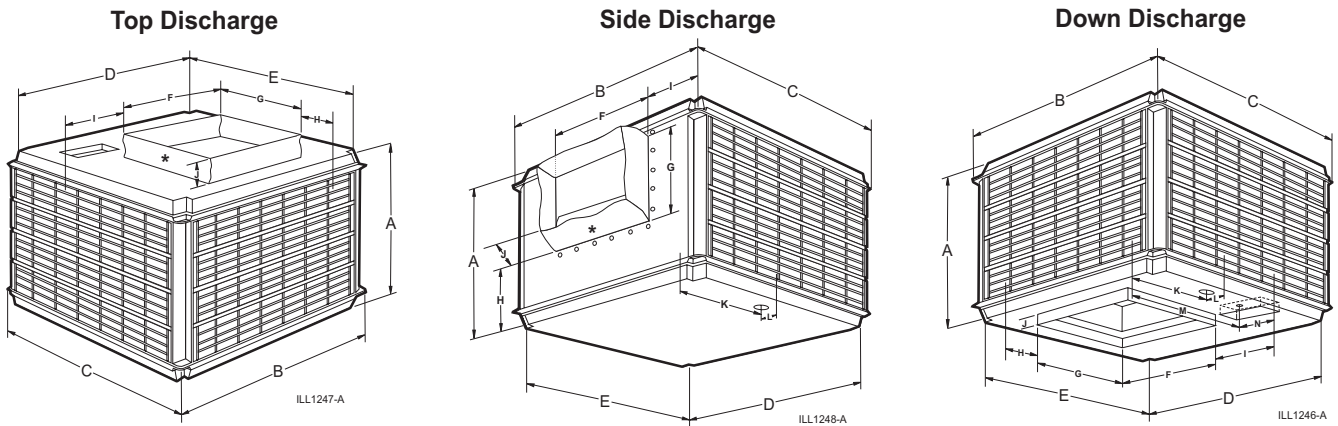
The cooling pads are made of Aspen shredded wood.

SPECIFICATIONS			EA 120D/DV	EA 120S/SV	EA 120T/TV
<b>AIR FLOW</b>	<b>High speed (l/s) at 80pa</b>	l/sec	2270	2220	2270
<b>COOLING CAPACITY</b>	*	Kw	10.82	13.96	10.82
<b>POWER CONSUMPTION (TOTAL)</b>		watts	1150	1150	1150
<b>FAN</b>	<b>Dia x Width</b>	mm	460 x 380	460 x 380	460 x 380
	<b>Shaft &amp; Bearings</b>	mm	22sq/6006-2RS	22sq/6006-2RS	22sq/6006-2RS
	<b>Pulley PCD 230/50, 220/60</b>	mm	205 x A	205 x A	205 x A
	<b>Pulley PCD 230/50 (Egypt), 115/60</b>	mm	225 x A	225 x A	225 x A
	<b>2 Speed (high/low)</b>	rpm	420/280	420/280	420/280
	<b>Variable Speed Range</b>	rpm	420 to 175	420 to 175	420 to 175
	<b>V Belt 230/50, 220/60</b>		A54, A53(220D/DV)	A54	A47
	<b>V Belt 115/60</b>		A55(DV), A54(D)	A56(SV), A55(S)	A48
<b>MOTOR</b>	<b>Output (high/low)</b>	watts	750/225	750/225	750/225
	<b>Type</b>		PSC	PSC	PSC
	<b>2 Speed (high/low)</b>	rpm	1400/960	1400/960	1400/960
	<b>Variable Speed Range</b>	rpm	1400 to 600	1400 to 600	1400 to 600
	<b>Voltage/Phases/Hz</b>		230 ▽ 10% /1/50,60 115 ▽ 10% /1/60	230 ▽ 10% /1/50,60 115 ▽ 10% /1/60	230 ▽ 10% /1/50,60 115 ▽ 10% /1/60
	<b>Current 2 Speed (high/low)</b>	amps	5.4/3.4	5.4/3.4	5.4/3.4
	<b>Current variable (high)</b>	amps	5.2	5.2	5.2
	<b>Pulley Type</b>		Variable Pitch	Variable Pitch	Variable Pitch
	<b>Pulley PCD 115/60, 220/60, 230/50</b>	mm	85-60 x A	85-60 x A	85-60 x A
	<b>Pulley PCD 230/50 (Egypt)</b>	mm		100-80 x A	
<b>PUMP</b>	<b>Type</b>		Centrifugal	Centrifugal	Centrifugal
	<b>Rating (Input)</b>	watts	30	30	30
	<b>Flow Rate</b>	litres/minute	19	19	19
	<b>Voltage/Phases/Hz</b>		230 ▽ 10% /1/50,60 115 ▽ 10% /1/60	230 ▽ 10% /1/50,60 115 ▽ 10% /1/60	230 ▽ 10% /1/50,60 115 ▽ 10% /1/60
<b>COOLING PAD</b>	<b>Size</b>	mm	870 x 800	870 x 800	870 x 800
	<b>Number of Pads</b>		4	3	4
	<b>Pad Area</b>	m <sup>2</sup>	2.8	2.1	2.8
	<b>Maximum Velocity</b>	m/sec	0.80 (@80pa)	1.07 (@80pa)	0.80 (@80pa)
	<b>Saturation Efficiency</b>	%	85.2	92.5	85.2
<b>WATER</b>	<b>Tank Capacity</b>	litres	25	38	38
	<b>Drain</b>	mm	40 BSP	40 BSP	40 BSP
<b>SHIPPING</b>	<b>Dimensions (inc. Pallet)</b>	mm	945 x 1005 x 1185(H)	945 x 1005 x 1185(H)	945 x 1005 x 1185(H)
	<b>Volume</b>	m <sup>3</sup>	1.13	1.13	1.13
	<b>Mass - Shipping</b>	kg	83	83	83
	<b>Mass - Nett Unit</b>	kg	68	68	68
	<b>Mass - Operating</b>	kg	95	106	106

\* Cooling capacity calculated to Australian standard AS 2913 - 2000, ambient of 38deg C dry bulb & 21 deg C wet bulb, with room exit temperature of 27.4 deg C.

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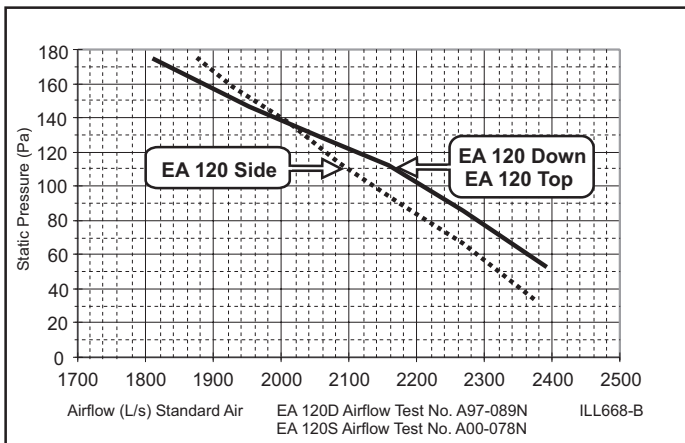
# TECHNICAL DATA – EA 120



**\* Note: For canvas connection use maximum duct size 500 x 380mm. Where possible always expand duct quickly to minimum 500 x 500mm to reduce friction. Expansion angle recommended 15 to 20 degrees.**

Model	A	B	C	D	E	F	G	H	I	J	K	L
Top	1060	1005	945	930	870	580	460	90	200	40	565	110
Side	1060	1005	945	930	870	506	385	395	237	120	565	110
Down	1060	1005	945	930	870	552	552	45	214	50	565	110

Dimensions are in mm.

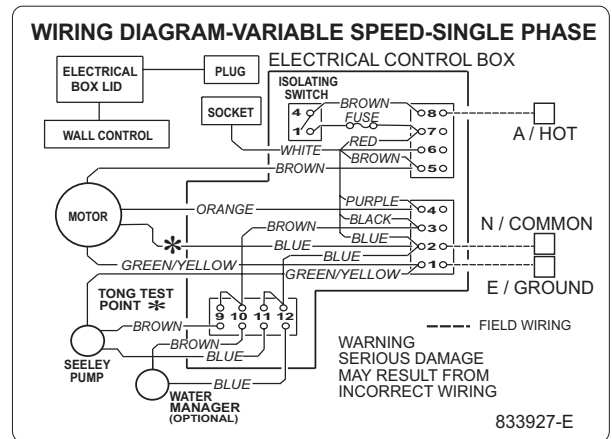
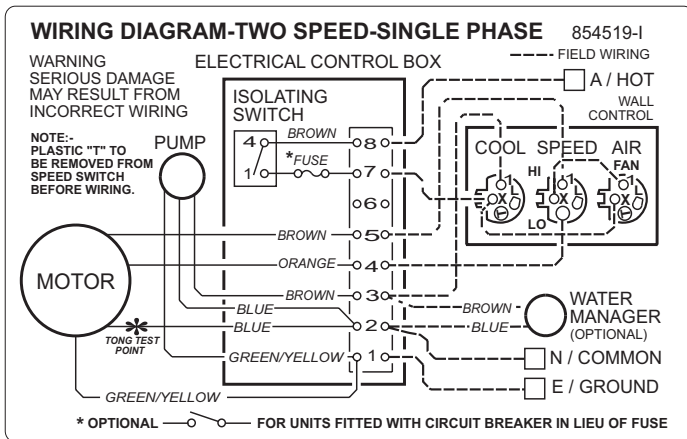


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## TECHNICAL DATA – EA 150

### CABINET and WATER RESERVOIR

The cabinet and water reservoir are constructed from injection moulded high strength structural polymer, incorporating UV inhibitor additives. All cabinet and reservoir mouldings are slate grey in colour.

### FAN

The fan is a centrifugal type with forward curved blades and double inlets, moulded in one piece from polypropylene. It is inherently, statically and dynamically balanced.

### FAN SHAFT AND BEARINGS

The fan shaft is stainless steel, hollow square section. This provides efficient torque transfer without the use of screw fastenings. Sealed bearings are located with resilient mounts.

### FAN HOUSING

The fan housing is moulded from high strength structural polymer, incorporating resilient mounts for the shaft.

### LOUVRE PANELS

Louvre panels are moulded in high strength structural polymer with UV inhibitor additives, incorporating supports to minimise cooling pad sag.

### FAN MOTOR

Motors are tropic proofed two speed, single phase type, with sealed ball bearings and resilient mounts. For safety, the motor is fitted with auto-set overloads and one time thermal fuses on active leads. In some regions selected models are available with variable speed motors.

### WATER DISTRIBUTION

Water supply connection to 1/2" BSP float valve. The pump is a centrifugal type with encapsulated windings. Patented distribution trays are moulded from polymer.

### FILTER PADS

The cooling pads are made of Aspen shredded wood.

## SPECIFICATIONS

## EA 150D/DV

<b>AIR FLOW</b>	<b>High speed (l/s) at 80pa</b>	l/sec	2860
<b>COOLING CAPACITY</b>	*	Kw	10.77
<b>POWER CONSUMPTION (TOTAL)</b>		watts	2200
<b>FAN</b>	<b>Dia x Width</b>	mm	460 x 380
	<b>Shaft &amp; Bearings</b>	mm	22sq/6006-2R
	<b>Pulley PCD</b>	mm	225 x A
	<b>2 Speed (high/low)</b>	rpm	470/310
	<b>Variable Speed Range</b>	rpm	470 to 195
<b>MOTOR</b>	<b>V Belt</b>		HI PWR II A56
	<b>Output (high/low)</b>	watts	1500/450
	<b>Type</b>		PSC
	<b>2 Speed (high/low)</b>	rpm	1400/960
	<b>Variable Speed Range</b>	rpm	1130 to 600
	<b>Voltage/Phases/Hz</b>		230 ▼ 10% /1/50
	<b>Current 2 Speed (high/low)</b>	amps	8.6/5.7
	<b>Current variable (high)</b>	amps	8.6
	<b>Pulley Type</b>		Variable Pitch
<b>PUMP</b>	<b>Pulley PCD</b>	mm	100-80 x A
	<b>Type</b>		Centrifugal
	<b>Rating (Input)</b>	watts	30
	<b>Flow Rate</b>	litres/minute	19
<b>COOLING PAD</b>	<b>Size</b>	mm	870 x 800
	<b>Number of Pads</b>		4
	<b>Pad Area</b>	m <sup>2</sup>	2.8
	<b>Maximum Velocity</b>	m/sec	1.08 (@80pa)
	<b>Saturation Efficiency</b>	%	80.4
<b>WATER</b>	<b>Tank Capacity</b>	litres	25
	<b>Drain</b>	mm	40 BSP
<b>SHIPPING</b>	<b>Dimensions (inc. Pallet)</b>	mm	945 x 1005 x 1185(H)
	<b>Volume</b>	m <sup>3</sup>	1.13
	<b>Mass - Shipping</b>	kg	88
	<b>Mass - Nett Unit</b>	kg	75
	<b>Mass - Operating</b>	kg	100

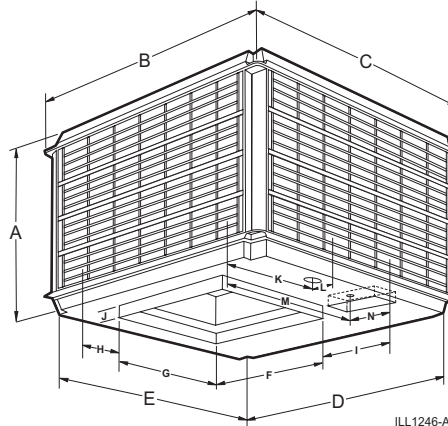
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# TECHNICAL DATA – EA 150

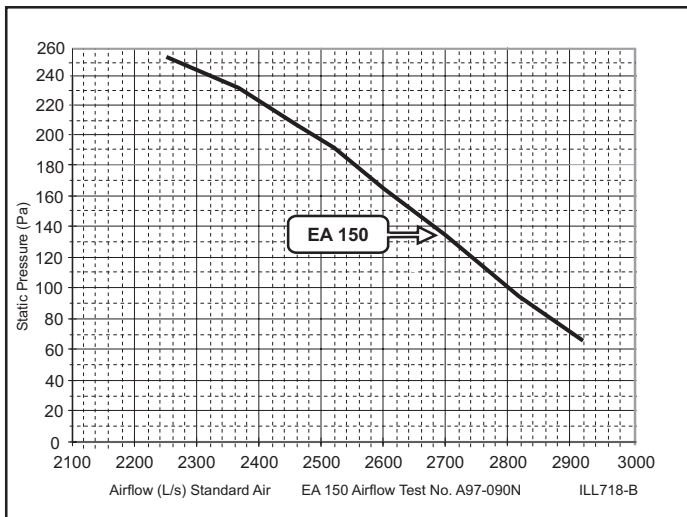
## Down Discharge



ILL1246-A

Model	A	B	C	D	E	F	G	H	I	J	K	L
Down	1060	1005	945	930	870	552	552	45	214	50	565	110

Dimensions are in mm.

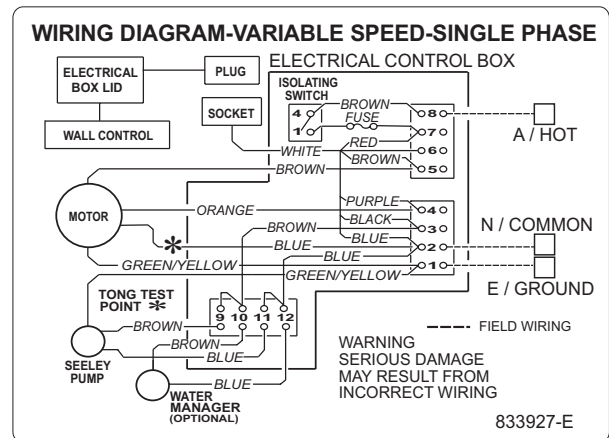
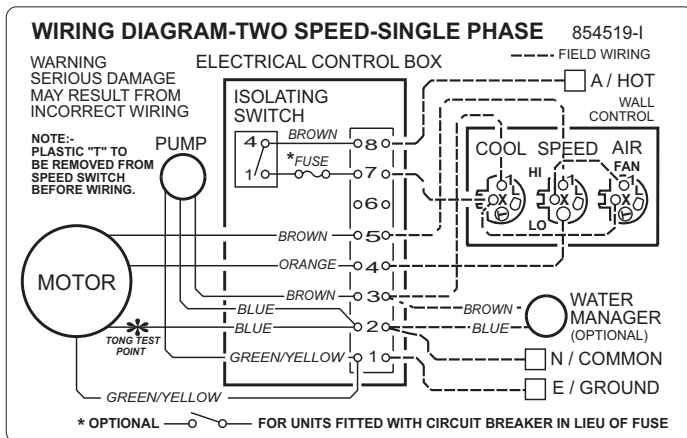


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