

Wellington ECR 1 motor with integrated electronic control

- User defined speeds and direction of rotation
- Timed reverse
- Dual speed operation
- Energy efficient
- RoHS and REACH compliant



Specifications							
Input voltage range	190-254V or 100-127V						
Output power range	3-25W						
Speed range	700-2300 RPM						
Max. input current (rated)	0.41A						
Insulation class	Class A						
Thermal protection	Self-resetting thermal protection, electronic locked rotor/stall detection						
Refrigerant compatibility	HFC, CO2 and hydrocarbon (per IEC 60335-2-89 Annex BB)						
ATEX (EX)	ATEX (IEC 60079-7 – Group 2, Category 3G) for motor models with ECR01*X***						
IP rating	IP55						
Operating temp. range	-30°C to +50°C (-22°F to +122°F)						
Storage temp. range	-40°C to +80°C (-40°F to +176°F)						
Weight (max)	0.85kg (1.87lb)						
Approvals	zu (R 2						

Suitable Fans*										
	150mm (6")	200mm (8")				230mm (9")		254mm (10")		
	All Pitches	22°	28°	34°	40°	22°	28°	19°	22°	28°
1300 rpm	\otimes	\otimes	\otimes	\otimes	\otimes	\otimes	\otimes	\otimes	\otimes	\otimes
1550 rpm	\otimes	\otimes	\otimes	\otimes	\otimes	\otimes	\otimes	\otimes	\oslash	⊗
1800 rpm	\otimes	0	\otimes	?	⊗	?	⊗	\otimes	⊗	⊗

^{*} Indicative and dependent on model

[?] May not achieve rated rpm at all back pressures



Motor	Voltage V, Hz	Current A	Speed RPM	Output Power W	Approval	
ECR01B***6	230, 50 / 60	0.12	1300-1100	4-7		
ECR01B***4	230, 50 / 60	0.14	1250	9		
ECR01B***1	230, 50 / 60	0.21	1300	12	CE VIDE CCC	
ECR01B***2	230, 50 / 60	0.25	1300	16	CE, VDE, CCC	
ECR01B***3	230, 50 / 60	0.28	1500	20		
ECR01B***5	ECR01B***5 230, 50 / 60		2300	25		
ECR01A***6	115 / 60	0.12	1300	3		
ECR01A***4	115 / 60	0.20	1250	7		
ECR01A***1	115 / 60	0.23	1500	9	UL, cUL	
ECR01A***2	115 / 60	0.31	1550	12		
ECR01A***3	115 / 60	0.41	1550	16		

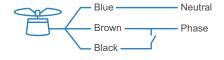
Wiring diagram

For single speed operation

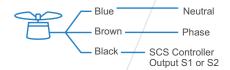
Blue Neutral

Brown

For two speed or reversible operation



For variable speed operation



OEM options

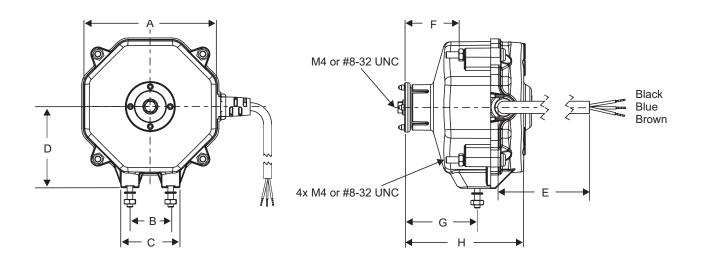
- Preprogrammed or factory/field programmable speeds
- Realtime continuously variable speed control over third mains wire (no extra cables required)
- Custom cable and plug options
- Metric, imperial, or custom hardware
- 2 speed, reversible, or timed-reverse options
- ATEX versions (Group 2, Cat 3G)

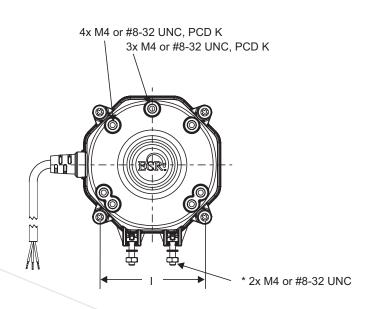
Mounting options

- Rear Mount: insert provided where required M4 or #8/32
- Foot Mount: 2 studs (optional)
- Basket Mount: 4 studs
- Fan Mount: 4 stud impeller mount to suit imperial or metric impellers
- Fan Fixing: M4 or #8/32 screw with flat or dome washer on female shaft thread



Dimensions





Black	Control lead				
Blue	Neutral				
Brown	Line / Phase				

Dimensions	A	В	С	D	E	F	G	н	1	K
mm	88	26	38	52	500	34.5	46	77	67	71.4
inches	3.46	1.02	1.50	2.05	19.68	1.36	1.81	3.03	2.64	2.81

^{* 2}x M4 or #8-32 UNC threaded bolts are not included but available upon request. K screws maximum depth is 6mm (0.23 inches).

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