

Wellington ECR 82/92 motor with integrated electronic control

- Constant speed across voltage range
- Drop-in retrofit solution
- Simple and robust
- · RoHS and REACH compliant



Specifications					
Input voltage range	190-254V or 90-140V				
Output power range	12/16W				
Speed range	1500/1800 RPM synchronous, 50/60Hz				
Max. input current (rated)	0.16-0.34A				
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 ECR***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)	0.80kg (1.76lb)				
Approvals	(€ <u>v</u> <u>v</u> €x <u>w</u> c Pu us				

Suitable Fans*							
	152mm (6")	172mm (7")	200mm (8")	222mm (8.75")	230mm (9")		
	All Pitches	Up to 34°	Up to 34°	Up to 25°	Up to 22°		
1300 rpm	\otimes	\Diamond	\otimes	Ø			
1550 rpm	\otimes	\Diamond	\varnothing	Ø			
1800 rpm	\otimes	\otimes	8	Ø	8		

^{*} Indicative and dependent on model



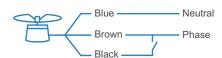
Motor	Voltage V, Hz	Current A	Speed RPM	Output Power W	Approval	
ECR82PX**1	230 / 50	0.16	1500	12	CE, VDE, ATEX, CCC	
ECR82PX**2	230 / 60	0.19	0.19 1800		CE, VDE, UL, cUL, ATEX	
ECR82P***1	230 / 50	0.16	1500	12	CE, VDE, CCC	
ECR82P***2	230 / 60	0.19	0.19 1800 16		CE, VDE, UL, cUL	
ECR92PX**2	120 / 60	0.34	1800	16	UL, cUL, ATEX	
ECR92P***2	120 / 60	0.34	1800	16	UL, cUL	

Wiring diagram

Fixed speed operation

Blue Neutral Brown Phase

Reversible operation



OEM options

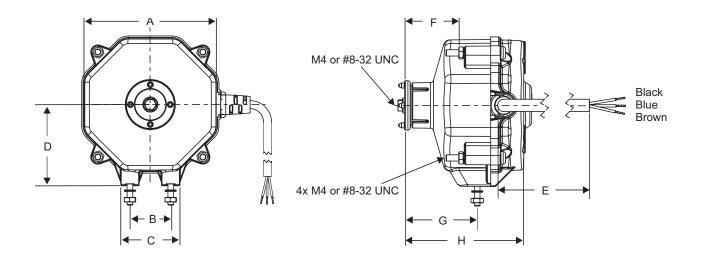
- Custom cable and plug options
- · Metric, imperial, or custom hardware
- Single speed, reversible, or timed-reverse options
- ATEX versions (Group2 Cat 3G)

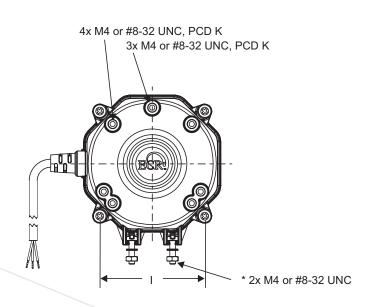
Mounting options

- 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



Dimensions





Black	Control lead		
Blue	Neutral		
Brown	Line / Phase		

Dimensions	Α	В	С	D	E	F	G	н	ı	к
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

 $^{^{\}star}$ 2x 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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E: info@aofrio.com www.aofrio.com