

Wellington ECR 2

High performance commercial refrigeration fan motor

- Dual voltage
- High efficiency
- High power factor
- Silent operation
- Drop-in replacement for Q frame or unit bearing motors
- · RoHS and REACH compliant



Specifications							
Input voltage range	85-264V, 50-60Hz (all models)						
Output power range	0-13W						
Speed range	300-1800 RPM						
Max. input power	20.5W						
Max. input current	0.10A (@230V), 0.20A (@115V)						
Power factor	Up to 0.95 depending on load and voltage						
EMC protection	4000V (per EN61000-6-2)						
Noise	SWL 37 dBA @ 1300 RPM (per ISO1680)						
Insulation class	Class A (105°C)						
Thermal protection	Electronic Protection. Locked rotor and automatic thermal						
Refrigerant compatibility	HFC, CO2 and hydrocarbon (per IEC 60335-2-89 Annex BB)						
ATEX (EX)	IEC 60079-7 Group 2, Category 3G						
IP rating	IP67						
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)	0.54kg (1.2lb)						
Approvals	(€ <u>№</u> €x) @ . 91 ′us						

Suitable Fans*											
	150mm (6") & 172mm (7")	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	?	
1550 rpm	Ø	\otimes	\otimes	\otimes	?	\otimes	?	?	?	\otimes	
1800 rpm	∅	\otimes	\otimes	?	\otimes	?	⊗	\otimes	⊗	\otimes	

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



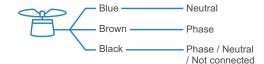
Wiring diagram

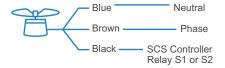
For single speed operation

For three speed or reversible operation

For variable speed operation







OEM options

Preprogrammed or factory/field programmable speeds

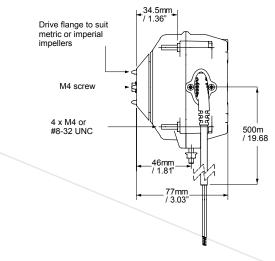
- Realtime continuously variable speed control over thirdmains wire (no extra cables required)
- · Custom cable and plug options
- · Metric, imperial, or custom hardware
- 3 speed, reversible, or timed-reverse options
- ATEX versions (Group2, Cat 3G)
- Food Grade rated housing option

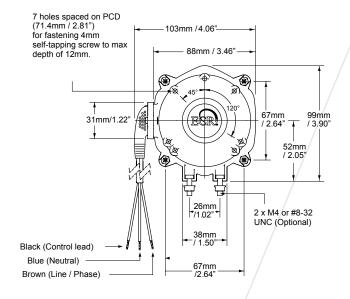
Mounting options

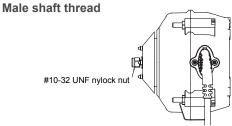
- Rear Mount: 4mm self-tapping screws in 3 hole or 4 hole configuration (screws not included: available on request)
- Foot Mount: 2 studs (optional)
- · Basket Mount: 4 studs
- Fan Hub: 4 stud impeller mount to suit imperial or metric impellers
- Fan Mount: M4 screw with flat washer on female shaft thread or #10-32 UNF nyloc nut on male shaft thread

Dimensions

Female shaft thread







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E: info@aofrio.com

www.aofrio.com