λoFrio



Wellington^(R) ECR2 13W

High performance commercial refrigeration fan motor

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



Specifications							
Nominal voltage	100-240V, 50-60Hz						
Output power range	0-13W						
Speed range	300-1800 RPM						
Max. efficiency	70%						
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	(£ (2) (2) (3) (3) (3) (4)						

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	+	+	+	+	+-	+	+	+	+	+-
1550 rpm	+	+	+	+	+-	+	(+-)	(+-)	(+-)	<u> </u>
1800 rpm	+	+	+	+-	<u> </u>	+-	<u> </u>	<u> </u>	<u> </u>	<u> </u>

⁺ Achieve rated rpm

Does not achieve rated rpm

Hay not achieve rated rpm at all back pressures



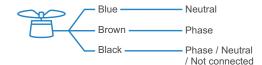
Wiring diagram

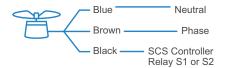
For single speed operation

For three speed or reversible operation

For variable speed operation







OEM options

Preprogrammed or factory/field programmable speeds

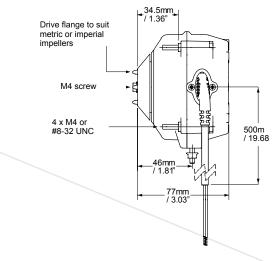
- Realtime continuously variable speed control over thirdmains wire (no extra cables required)
- Custom cable and plug options
- Metric, imperial, or custom hardware
- 3 speed, reversible, or timed-reverse options
- ATEX versions (Group2, Cat 3G)
- Food Grade rated housing option

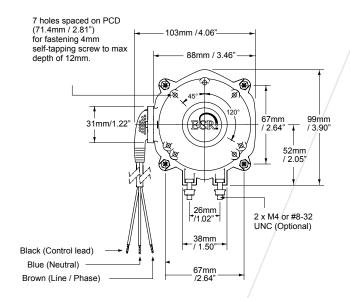
Mounting options

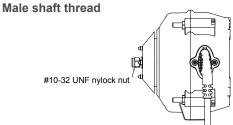
- Rear Mount: 4mm self-tapping screws in 3 hole or 4 hole configuration (screws not included: available on request)
- Foot Mount: 2 studs (optional)
- · Basket Mount: 4 studs
- Fan Hub: 4 stud impeller mount to suit imperial or metric impellers
- Fan Mount: M4 screw with flat washer on female shaft thread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

Dimensions

Female shaft thread







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