

### Eco-telligent® Motor Series - Version 2.0

Eco-telligent® 2.0 is IEC's new constant torque brushless DC motor and is available in all direct drive fan coils. Available single-phase voltages include 120, 208, 240, and 277. Eco-telligent® 2.0 has a lower FLA and quieter operation than Eco-telligent® 1.0. It also features a reduced size integrated control module.



#### Motor Features:

- 120V, 208V-240V, 277V – 50/60Hz
- 42 Frame (5-1/8 in dia.)
- Class B insulation
- Operating temperature: -40°F to 105°F
- Ball Bearing Construction
- Factory ISO 9001 certified
- UL Recognized, file #E354080
- Manufactured in North America

#### Fan Coil Motor Sizes:

Model	Unit Size										
	2	3	4	6	8	10	12	14	16	18	20
C*Y	1/7	1/7	1/6	1/6	1/6	1/6	1/6				
F**	1/7	1/7	1/6	1/6	1/6	1/6	1/6				
L**	1/7	1/7	1/7	1/7							
H*Y, VEY				1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
M*Y		1/6	1/6	1/6	1/2	1/2	1/2				

1 Motor	2 Motors	Ver 1.0 Only
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#### Control Options:

Interface Options	3 Speed	Proportional Speed	4-Speed
<b>Speed Control</b>	3 discrete speeds (H, M, L)	Proportional Airflow	5 discrete speeds, SSRs
<b>Thermostat Output:</b>	24V – Up to 3 discrete speeds	0-10 VDC or 4-20mA	24V - Up to 4 discrete speeds (5th is default speed)
<b>Field Airflow Adjustment</b>	Each speed adjustable by potentiometer to any value in the motor's range	Motor dynamically set by controller to any speed in its operating range	Each speed adjustable by potentiometer to any value in the motor's range

### Horizontals - Standard Performance

Unit Model	Motor Qty	Rated Motor FLA			Max Program Current		
		120V	208-240V	277V	120V	208-240V	277V
C**02	1	2.3	1.4	1.2	1.3	0.8	0.7
C**03	1	2.3	1.4	1.2	1.5	0.9	0.8
C**04	1	2.4	1.6	1.3	2.1	1.4	1.1
C**06	1	2.4	1.6	1.3	1.9	1.3	1.0
C**08	1	2.4	1.6	1.3	2.4	1.6	1.3
C**10	2	2.4, 2.4	1.6, 1.6	1.3, 1.3	2.0, 2.0	1.3, 1.3	1.1, 1.1
C**12	2	2.4, 2.4	1.6, 1.6	1.3, 1.3	2.4, 2.4	1.6, 1.6	1.3, 1.3

### Verticals - Standard Performance

Unit Model	Motor Qty	Rated Motor FLA			Max Program Current		
		120V	208-240V	277V	120V	208-240V	277V
F**02	1	2.3	1.4	1.2	1.2	0.7	0.6
F**03	1	2.3	1.4	1.2	1.4	0.9	0.7
F**04	1	2.4	1.6	1.3	1.5	1.0	0.8
F**06	1	2.4	1.6	1.3	2.2	1.4	1.2
F**08	1	2.4	1.6	1.3	2.4	1.6	1.3
F**10	2	2.4, 2.4	1.6, 1.6	1.3, 1.3	2.0, 2.0	1.3, 1.3	1.1, 1.1
F**12	2	2.4, 2.4	1.6, 1.6	1.3, 1.3	2.4, 2.4	1.6, 1.6	1.3, 1.3
L**02	1	2.3	1.4	1.2	1.0	0.6	0.5
L**06	2	2.3, 2.3	1.4, 1.4	1.2, 1.2	1.3, 1.3	0.8, 0.8	0.7, 0.7

# Eco-telligent® Motor Series

## MOTOR DATA SHEET

### Horizontals - High Performance

Unit Model	Motor Qty	Rated Motor FLA			Max Program Current		
		120V	208-240V	277V	120V	208-240V	277V
HHY10	1	6.8	5.4	3.4	6.8	5.4	3.4
HHY14	2	6.8, 6.8	5.4, 5.4	3.4, 3.4	6.4, 6.4	5.1, 5.1	3.2, 3.2
HHY16	2	6.8, 6.8	5.4, 5.4	3.4, 3.4	6.8, 6.8	5.4, 5.4	3.4, 3.4
HHY18	2	6.8, 6.8	5.4, 5.4	3.4, 3.4	6.8, 6.8	5.4, 5.4	3.4, 3.4
HHY20	2	6.8, 6.8	5.4, 5.4	3.4, 3.4	6.8, 6.8	5.4, 5.4	3.4, 3.4
HLY06	1	6.8	5.4	3.4	3.9	3.1	1.9
HLY08	1	6.8	5.4	3.4	4.9	3.9	2.4
HLY10	1	6.8	5.4	3.4	6.4	5.1	3.2
HLY12	2	6.8, 6.8	5.4, 5.4	3.4, 3.4	3.8, 3.8	3.0, 3.0	1.9, 1.9
HLY14	2	6.8, 6.8	5.4, 5.4	3.4, 3.4	4.1, 4.1	3.3, 3.3	2.1, 2.1
HLY16	2	6.8, 6.8	5.4, 5.4	3.4, 3.4	6.0, 6.0	4.8, 4.8	3.0, 3.0
HLY18	2	6.8, 6.8	5.4, 5.4	3.4, 3.4	6.8, 6.8	5.4, 5.4	3.4, 3.4
HLY20	2	6.8, 6.8	5.4, 5.4	3.4, 3.4	6.8, 6.8	5.4, 5.4	3.4, 3.4
HPY06	1	6.8	5.4	3.4	4.7	3.7	2.3
HPY08	1	6.8	5.4	3.4	6.5	5.2	3.3
HPY10	1	6.8	5.4	3.4	6.8	5.4	3.4
HPY12	2	6.8, 6.8	5.4, 5.4	3.4, 3.4	4.0, 4.0	3.2, 3.2	2.0, 2.0
HPY14	2	6.8, 6.8	5.4, 5.4	3.4, 3.4	5.1, 5.1	4.0, 4.0	2.5, 2.5
HPY16	2	6.8, 6.8	5.4, 5.4	3.4, 3.4	6.8, 6.8	5.4, 5.4	3.4, 3.4
HPY18	2	6.8, 6.8	5.4, 5.4	3.4, 3.4	6.8, 6.8	5.4, 5.4	3.4, 3.4
HPY20	2	6.8, 6.8	5.4, 5.4	3.4, 3.4	6.8, 6.8	5.4, 5.4	3.4, 3.4
HXY06	1	6.8	5.4	3.4	4.9	3.9	2.4
HXY08	1	6.8	5.4	3.4	5.8	4.6	2.9
HXY10	1	6.8	5.4	3.4	6.8	5.4	3.4
HXY12	2	6.8, 6.8	5.4, 5.4	3.4, 3.4	3.0, 3.0	2.4, 2.4	1.5, 1.5
HXY14	2	6.8, 6.8	5.4, 5.4	3.4, 3.4	4.6, 4.6	3.7, 3.7	2.3, 2.3
HXY16	2	6.8, 6.8	5.4, 5.4	3.4, 3.4	6.6, 6.6	5.2, 5.2	3.3, 3.3
HXY18	2	6.8, 6.8	5.4, 5.4	3.4, 3.4	6.8, 6.8	5.4, 5.4	3.4, 3.4
HXY20	2	6.8, 6.8	5.4, 5.4	3.4, 3.4	6.8, 6.8	5.4, 5.4	3.4, 3.4

### Verticals - High Performance

Unit Model	Motor Qty	Rated Motor FLA			Max Program Current		
		120V	208-240V	277V	120V	208-240V	277V
VEY06	1	6.8	5.4	3.4	4.6	3.7	2.3
VEY08	1	6.8	5.4	3.4	6.4	5.1	3.2
VEY10	1	6.8	5.4	3.4	6.8	5.4	3.4
VEY12	2	6.8, 6.8	5.4, 5.4	3.4, 3.4	4.2, 4.2	3.3, 3.3	2.1, 2.1
VEY14	2	6.8, 6.8	5.4, 5.4	3.4, 3.4	5.0, 5.0	3.9, 3.9	2.5, 2.5
VEY16	2	6.8, 6.8	5.4, 5.4	3.4, 3.4	6.1, 6.1	4.9, 4.9	3.1, 3.1
VEY18	2	6.8, 6.8	5.4, 5.4	3.4, 3.4	6.8, 6.8	5.4, 5.4	3.4, 3.4
VEY20	2	6.8, 6.8	5.4, 5.4	3.4, 3.4	6.8, 6.8	5.4, 5.4	3.4, 3.4

### Hi-Rise/MODs

Unit Model	Motor Qty	Rated Motor FLA			Max Program Current		
		120V	208-240V	277V	120V	208-240V	277V
M**03	1	2.4	1.6	1.3	1.0	0.7	0.5
M**04	1	2.4	1.6	1.3	1.6	1.1	0.9
M**06	1	2.4	1.6	1.3	2.3	1.5	1.3
M**08	1	6.8	5.4	3.4	4.1	3.2	2.0
M**10	1	6.8	5.4	3.4	6.3	5.0	3.1
M**12	1	6.8	5.4	3.4	6.8	5.4	3.4

**NOTE:** Both FLA and Max Program Current are listed on the unit nameplate.

IEC Cut Sheet Part Number: I100-90013979

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