

ECOiPM
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Low energy ECOiPM featuring IE3 Efficiency Class



Capacity Range: 0.4 – 7.5 kW
Voltage Classes: 200 V and 400 V

YASKAWA ECOiPM was developed for all applications where Eco Design is the focus.

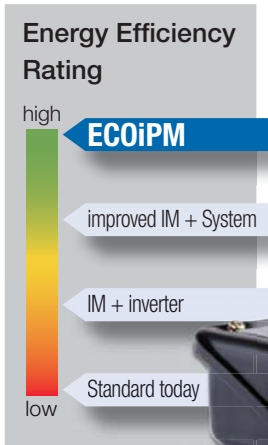
Specially for applications such as fan, pump and compressors and many others because of the need of high efficient motors and speed control to keep required efficiency levels.

High Efficiency Class Motor: IE3

- ▶ Reduces CO₂
- ▶ Meets the European Motor Efficiency Regulations
- ▶ Compact frame size
- ▶ Foot & flange mount models
- ▶ Specially designed for variable torque applications

YASKAWA ECOiPM Motor + YASKAWA V1000 Inverter Drive

- ▶ Guaranteed combination (motor + inverter)
- ▶ Standard inverter software – just change parameters
- ▶ Open Loop Vector Control

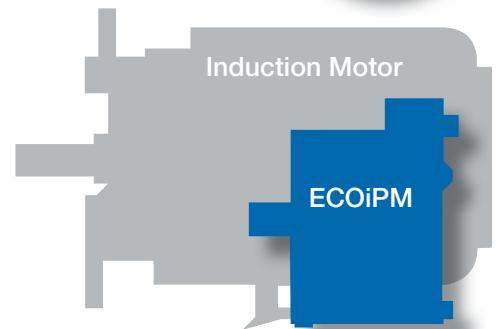


Frame Sizes

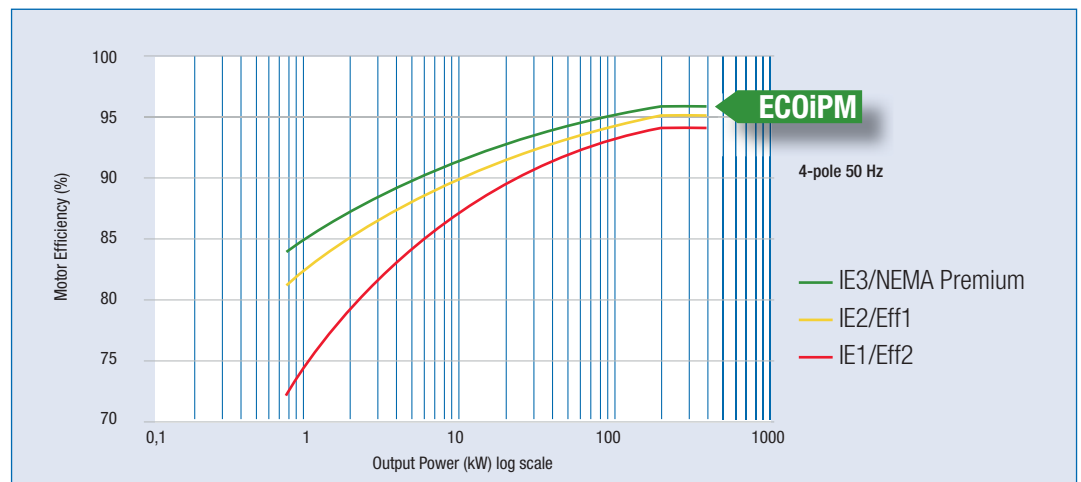


kW	IE3 (ECOiPM) 1450 rpm	IE2 (Induction motor) 1450 rpm
0.4	63A	71M4B
0.75	63B	80M4B
1.5	63B	100LA
2.2	71A	100L4A
3.7	80A	112M4A
5.5	90A	132S4A
5.5	90B	132M4A

Up to
70%
smaller



ECOiPM meets the Energy Efficiency Levels



Life Cycle Cost Analysis

450 W circulator, 5000 h operation/year based on 0.135 €/kWh				Efficiency Level
Design Option	Purchasing Costs	Energy Costs	LCC	
Standard today	400 €	2619 €	3019 €	low high
IM + inverter	620 €	2113 €	2733 €	
Improved IM + System	450 €	2180 €	2630 €	
ECOiPM motor + inverter	640 €	999 €	1639 €	

Source: EUP directive 2005/32/EC, working group, final report

