



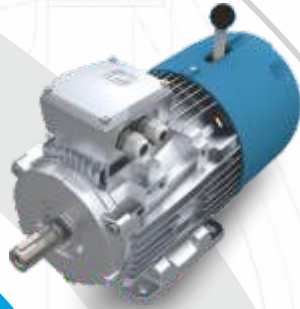
**rotomotive**

looks good. performs better.



## REVVO IE2/IE3

3 Phase Energy Efficient  
Induction Motors



## REVVO ATDC/ATAC

ATDC / AT24 Break Motors



## REVVO Exd

Flame Proof Motors



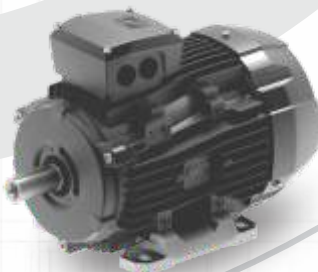
## REVVO CR

Crane Duty Motors



## REVVO DELFIRE

Smoke & Heat Exhaust  
Ventilation Motors



## REVVO PM IE4

Energy Efficient Motors

# REVVO Series | 3 Phase Energy Efficient Induction Motors

## ENERGY EFFICIENT IE2 & IE3 MOTORS

Revvo series energy efficient asynchronous squirrel cage induction motors – high efficiency IE2 & premium efficiency IE3 are manufactured conforming to IEC-60034-30/IS 12615-2011.



Rating & Frame size	Voltage	Frequency	Duty	Insulation	Protection
0.37 kW to 315 kW 2, 4 & 6 pole 71 to 355L frame	Suitable for multiple voltage	50 / 60 Hz	S1	F class (H class on request)	IP55 (IP56, IP66 on request)

## REVVO ATDC / AT24 / ATAC MOTORS

- Self-braking motor series
- Electromagnetic type brake coil normally OFF i.e. the braking action occurs in the absence of power supply

Rating & Frame size	Revvo ATDC	Revvo AT24	Revvo ATAC	Brake Insulation
0.12 kW to 22 kW 2, 4, 6 & 8 pole 63 to 180L frame	104/180 Volt DC input to brake through built in rectifier	24 Volt DC input to brake through an inverter	415 Volts AC input to brake	H Class

### ATDC / AT24



## REVVO Exd SERIES FLAME PROOF MOTORS

- Manufactured as per IS/IEC 60079-1 :2007 for operation in hazardous locations classified as zone 1 and zone 2 area as per IS:5572
- Suitable for Gas Group -2 (for equipment other than mines)
- Suitable for temperature class T4, T5 & T6

Rating & Frame size		
0.37 kW to 18.5 kW	2, 4 & 6 pole	80 to 160L frame

## REVVO CR – CRANE DUTY MOTORS

- Revvo CR series motor used in cranes and hoists
- Typically in one frame size lower than S1 duty motors
- Conforms to IS:325 & IS:4722

Rating & Frame size	Duty	Brake
0.37 kW to 22 kW 4 & 6 pole 71 to 160L frame	S3/S4/S5 capable for frequent starts/stops and reversals	Can be supplied with DC, 24 V DC and AC brake



- B3, B5 and B14 mounting
- VPI impregnation
- Steel insert in bearing seats (from frame size 90)
- 6 terminals – run same motor in Star or Delta
- Lightweight die-cast Aluminium construction (upto 132 frame)

- Optional fine balancing Grade 2.5
- Suitable for 50°C ambient
- Service factor 1.1 with class F temperature rise
- Conforms to IS 12615
- Patented Design • CE Mark



Flexible Terminal Box Positions (56 to 132 frame)

# REVVO Delfire | Smoke & Heat Exhaust Ventilation Motors



Revvo Delfire series of motors are designed to be a part of smoke and heat control ventilation system. They are also used with jet fans to exhaust smoke, NOx or other gases from tunnels, car parks, areas and other enclosed spaces. These motors are guaranteed to operate continuously for a period of up to 2 hours and at temperatures of up to 400°C. Delfire motors are available in single or dual speed configurations and are compliant to EN 12101.

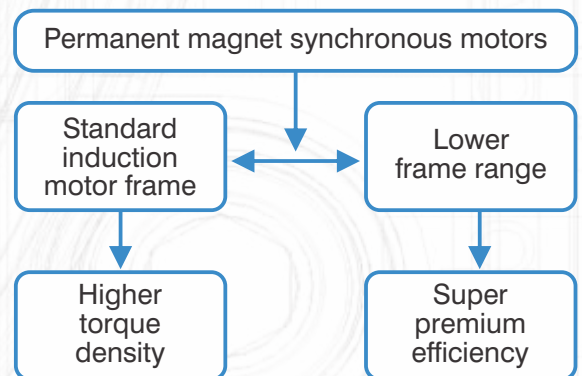
Rating & Frame size	Voltage & Frequency	Duty	Insulation	Protection
0.12kW to 90 kW 2,4,6 and 8 pole 63 frame 280 frame	Suitable for multiple voltage	S1	H class	IP55 (IP56, IP66 on request)

# REVVO PM IE4 | Energy Efficient Motors

The Permanent Magnet Synchronous Motor (PMSM) is an AC synchronous motor whose field excitation is provided by permanent magnets, and has a sinusoidal back EMF waveform. The PMSM is a cross between an induction motor and brushless DC motor. With permanent magnets the PMSM can generate torque at zero speed; it requires digitally controlled inverter for operations. PMSM are typically used for high-performance and high-efficiency (IE4) motor drives.



- High air gap flux density
- High power-to-weight ratio
- Large torque-to-inertia ratio
- Smooth torque operation (also at low speeds)
- Accurate torque control at zero speed
- High-speed operation
- High overloading torque
- High efficiency and high power factor
- 0.37kW to 90kW, 4 pole and 6 pole, 80 to 280 frame
- S1 duty, IP55 as standard feature



## REVVO IE2 INDUCTION MOTOR



**Savings @ ₹9402**

& payback 3 months  
(Comparison between IE2-IE1\*)

## REVVO IE3 INDUCTION MOTOR



**Savings @ ₹6009**

& payback 4.3 months  
(Comparison between IE3-IE2\*)

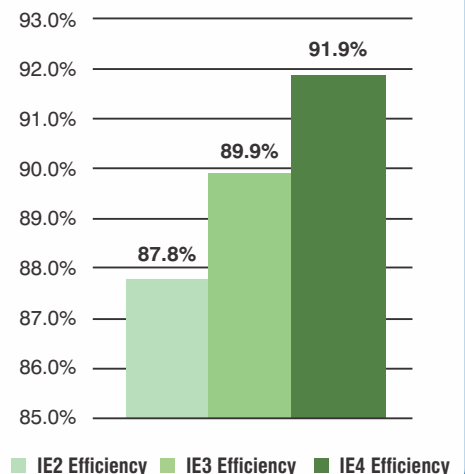
## REVVO IE4 PMSM MOTOR



**Savings @ ₹11446**

& payback 4.0 months  
(Comparison between IE4-IE2\*)

### Efficiency Comparison\*



\* For 5.5kW-4 pole motor



Plant in Italy



Plant in India



Authorised Dealer



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