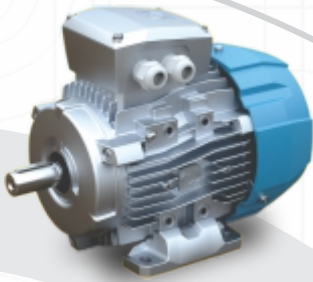


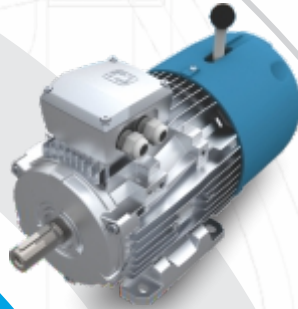


**rotomotive**  
looks good. performs better.



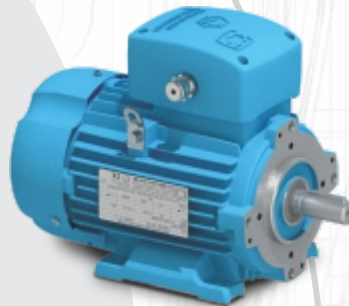
## REVVO IE2/IE3/IE4

3 Phase Energy Efficient  
Induction Motors



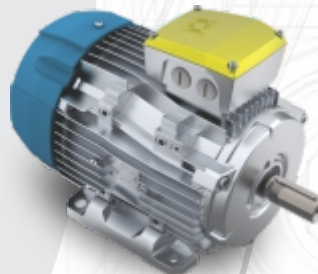
## REVVO ATDC/ATAC

ATDC / AT24 Break Motors



## REVVO Exd

Flame Proof Motors



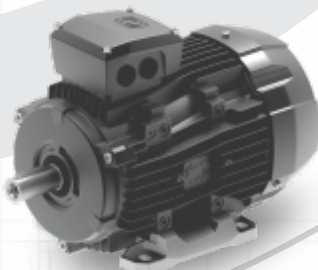
## REVVO CR

Crane Duty Motors



## REVVO DELFIRE

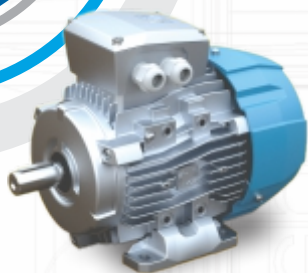
Smoke & Heat Exhaust  
Ventilation Motors



## REVVO PM IE5

Energy Efficient Motors

# REVVO Series | 3 Phase Energy Efficient Induction Motors



## ENERGY EFFICIENT IE2, IE3 & IE4 MOTORS

Revvo series energy efficient asynchronous squirrel cage induction motors – high efficiency IE2 & premium efficiency IE3 & Super premium efficiency IE4 are manufactured conforming to IEC-60034-30/IS 12615.

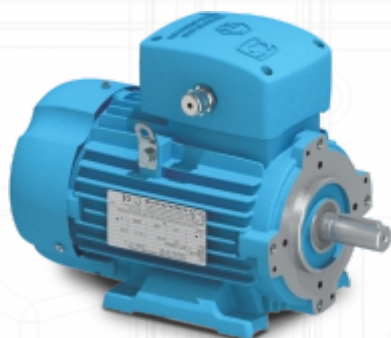
| Rating & Frame size                                    | Voltage                       | Frequency  | Duty | Insulation                      | Protection                      |
|--------------------------------------------------------|-------------------------------|------------|------|---------------------------------|---------------------------------|
| 0.12 kW to 315 kW<br>2, 4 & 6 pole<br>63 to 355L frame | Suitable for multiple voltage | 50 / 60 Hz | S1   | F class<br>(H class on request) | IP55<br>(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<br>2, 4, 6 & 8 pole<br>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

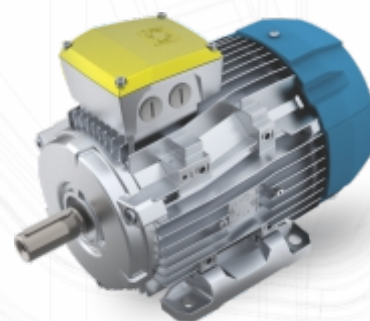
- Manufactured as per IS/IEC 60079-1 for operation in hazardous locations classified as zone 1 and zone 2 area as per IS:5572
- Suitable for Gas Group -2 (for equipment other than mines)
- Suitable for temperature class T4, T5 & T6

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

## REVVO CR – CRANE DUTY MOTORS

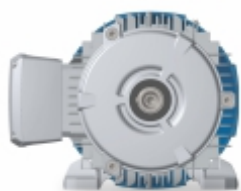
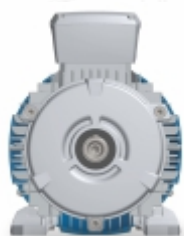
- Revvo CR series motor used in cranes and hoists
- Typically in one frame size lower than S1 duty motors
- Conforms to IS:12615

| Rating & Frame size                                | Duty                                                     | Brake                                         |
|----------------------------------------------------|----------------------------------------------------------|-----------------------------------------------|
| 0.37 kW to 22 kW<br>4 & 6 pole<br>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 80)
- 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 (63 o 132 frame)

## REVVO Delfire | Smoke & Heat Exhaust Ventilation Motors

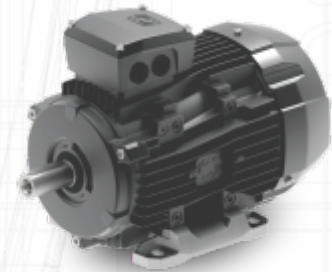


Revvo Delfire series of motors are designed to be a part of smoke and heat control ventilation system. They are also used with jet fans to exhaust smoke, NOx or other gases from tunnels, car parks, areas and other enclosed spaces. These motors are guaranteed to operate continuously for a period of up 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.

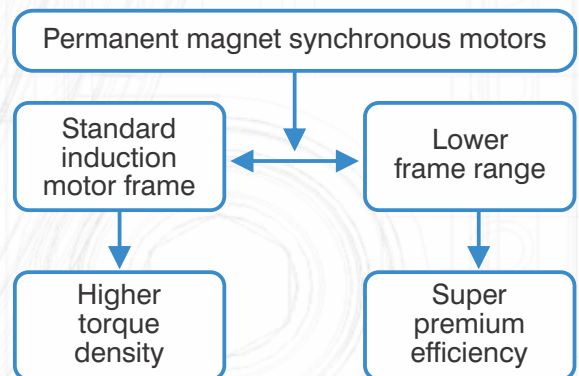
| Rating & Frame size                                       | Voltage & Frequency              | Duty | Insulation | Protection                         |
|-----------------------------------------------------------|----------------------------------|------|------------|------------------------------------|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

## REVVO PM IE5 | Energy Efficient Motors

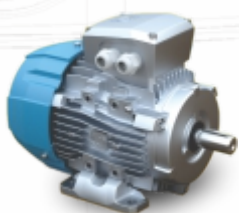
The Permanent Magnet Synchronous Motor (PMSM) is an AC synchronous motor whose field excitation is provided by permanent magnets, and has a sinusoidal back EMF waveform. The PMSM is a cross between an induction motor and brushless DC motor. With permanent magnets the PMSM can generate torque at zero speed; it requires digitally controlled inverter for operations. PMSM are typically used for high-performance and ultra premium-efficiency (IE5) 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



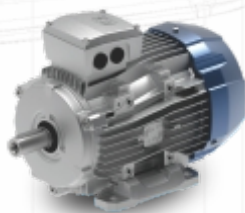
### REVVO IE2 INDUCTION MOTOR



**Savings @ ₹9402**

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

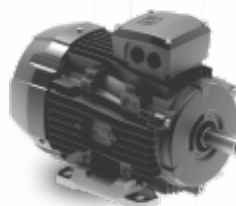
### REVVO IE3 /IE4 INDUCTION MOTOR



**Savings @ ₹6009**

& payback 4.3 months  
(Comparison between IE4-IE2\*)

### REVVO IE5 PMSM MOTOR

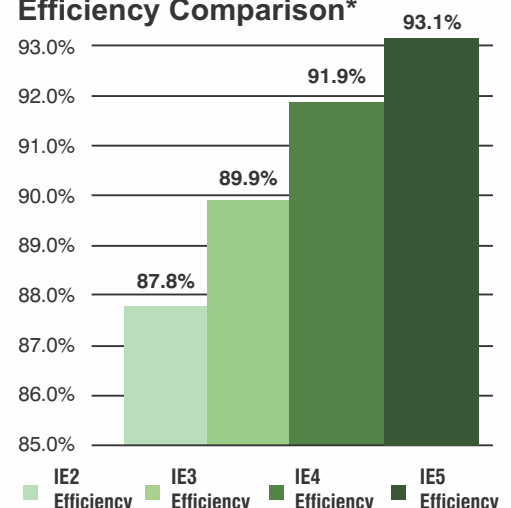


**Savings @ ₹11446**

& payback 4.0 months  
(Comparison between IE5-IE2\*)

\* For 5.5kW-4 pole motor

### Efficiency Comparison\*

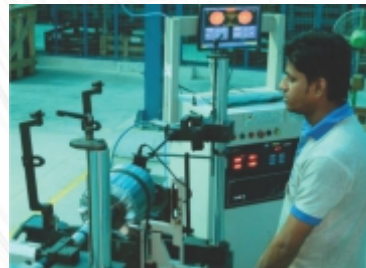
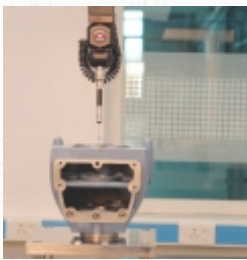




Plant in Italy



Plant in India



Authorised Dealer



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