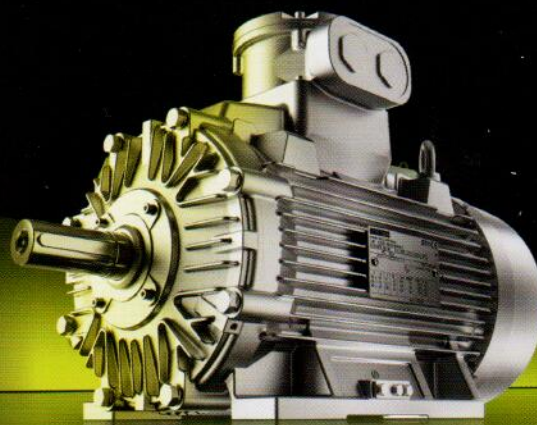


# Innomotics XP Motors

**Flame proof efficiency and protection all in one**



Innomotics Moves! Flame proof motors combine high efficiency with reliable protection in a single robust package. Designed for hazardous environments, these motors ensure safe operation by preventing ignition of explosive gases, while delivering exceptional performance and energy savings. Ideal for demanding industries, Innomotics Moves! offers the perfect balance of safety and efficiency to keep your operations running smoothly and securely.

## Innomotics Moves!

Innomotics XP motors are impressive for their extremely long service life and absolute reliability under the most extreme conditions. They're also incredibly user-friendly, from their selection and ordering to engineering, integration, commissioning, operation, & service.

## Salient Features:

Shaft Height	80 – 280 for 2P, 4P & 6P
Power Range, Pole	0.75kW to 90kW, 2P   0.55kW to 90kW, 4P   0.37kW to 55kW, & 6P
Frame	Cast Iron
Efficiency Class	IE3
Type of Protection	Ex db (Ex tb & Ex tc are available on request)
Temperature Class	T4
Ambient Temperature	50°C
Applicable Standards	Efficiency Classification according to IEC 60034-30-1
Degree of ingress protection	IP66
Voltages	415V (standard) (Additional voltages available. Refer Siemens Product Configurator for more details)
Frequency	50Hz
Type Of Construction	IMB3 (Refer Siemens Product Configurator for other construction variants.)
Cooling Method	IC411 Totally enclosed fan cooled [TEFC]
Temperature Rise	155°C (F) utilized to 130°C (B) on VFD supply at nameplate kW
Insulation System	VFD Suitable insulation scheme for voltage up to 415V as a standard.
Impulse Voltage Insulation Class (IVIC) for U <sub>N</sub> 415V	C (Severe) As per Std. IS/IEC 60034: Part 18: Sec 41

## Additional Information:

- RHS / LHS terminal box are available as option from frame size 90 onwards.
- CE compatible design motors & higher efficiency at 75% load.
- Aux. terminal box casted in FS 250 & 280 leads to lesser joints & increases robustness and safety.
- Best in class validation of enclosure for overpressure test.
- Flame path longer than as required by the standard.
- VFD fed motors will be provided with PTC thermistors by default. These motors will have aux. nameplate indicating the safe range of operation.
- Terminal box having longer extension box across the range.
- Cast iron cooling fan as default.