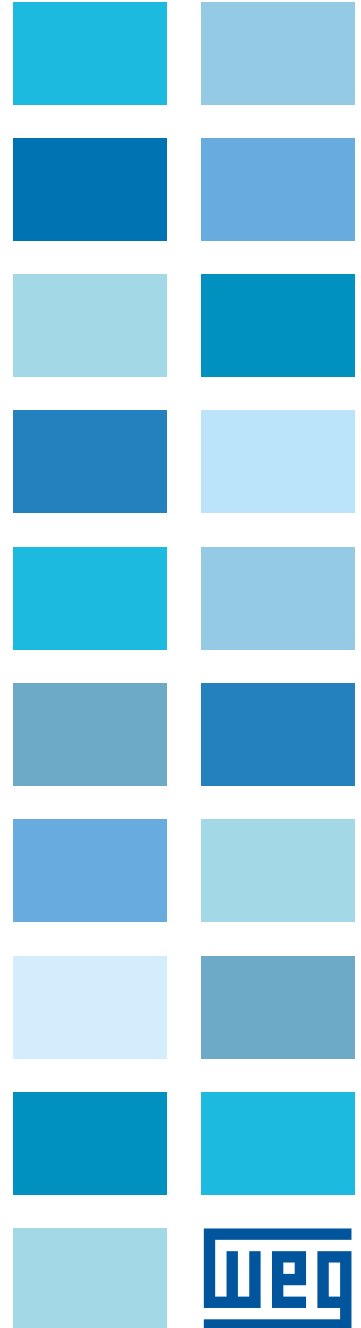
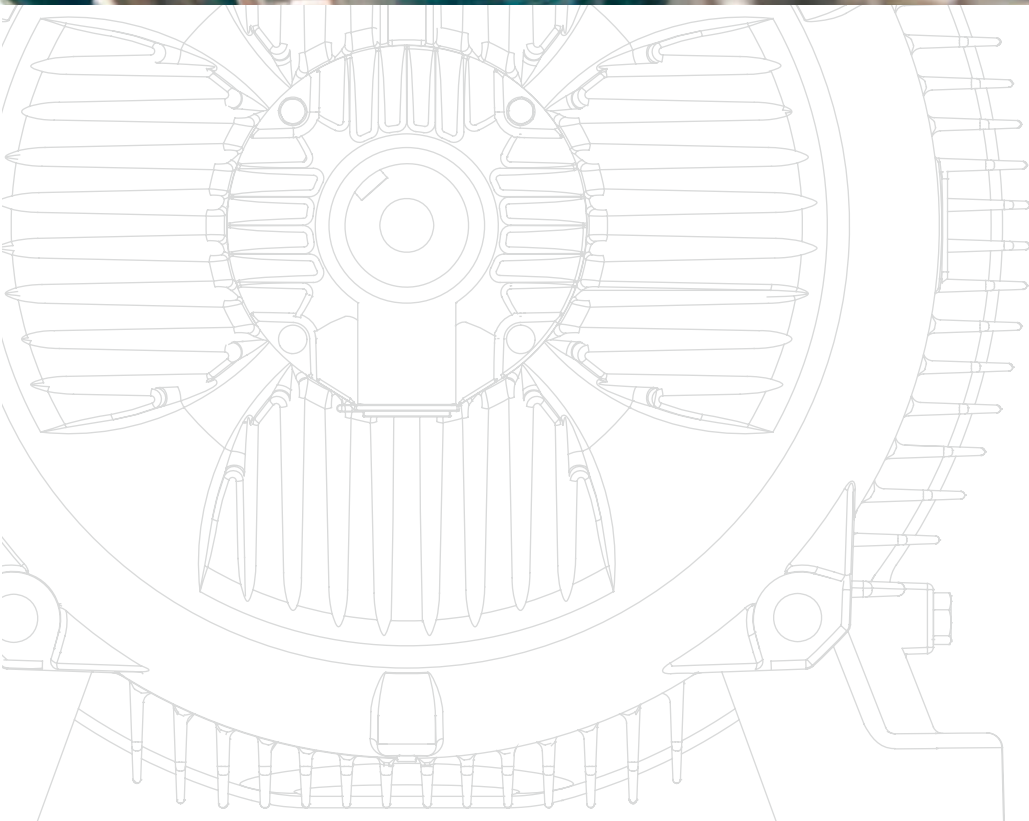
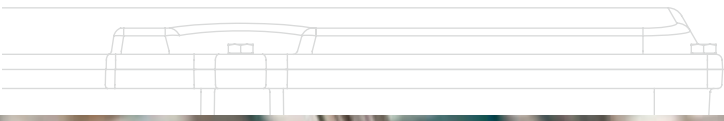


Motors

LV Product Lines European Market



Wmagnet

The rotor fitted with permanent magnets guarantees high performance, allowing more output per frame size, hence reducing space for installation and noise level as well as ensuring higher efficiency levels when comparing to the high efficiency motor ratings.

The motor is fed by a WEG Inverter and supplies constant torque in a wide speed range allowing low speeds operation. The motor operate at lower temperatures, hence extending lubrication intervals and increasing bearing lifetime.

VFD Features

- Output: 11kW to 150kW
- Voltage: 400V
- Sensorless Vector Control
- RISC 32 bit micro controller
- EMC filters
- Modbus RTU

Motor Features

- Degree of Protection: IP 55
- Output: 11kW to 150kW
- Frame: 132S to 250S/M
- Speed Range: 180 to 3000 rpm*
- Voltage: 400V
- Bearing sealing: V-ring
- Insulation: Class F

Applications

Compressors, elevators, centrifugal pumps, fans, exhausters, conveyor belts, electrical vehicles and other VFD applications.



Features	Benefits
Rotor fitted with permanent magnets	Motor extended lifetime, higher output / frame ratio, higher efficiency, higher power factor and reduced bearing temperature.
Lower Weight and Volume	Reduced installation space and noise level. When compared with the standard induction motor with the same output, offers a weight reduction of approximately 35%, and the volume is reduced by around 47%.
Wide speed range with constant torque	Guarantees operation in lower speeds with the same performance*, without the need of a forced ventilation kit, which reduces the installation space.
Extra High Efficiency	Energy saving. This is the most economical motor in the market, with efficiency levels higher than high efficiency motors defined by CEMEP standards.
Reduced bearing temperature	Increased lubrication intervals and increased bearing lifetime.
High power factor	Cost reduction with the installation of a bank of capacitors
Strength	Same mechanical design of the WEG industrial three phase induction motors, with strength recognized by the market.
Flexibility	Product can be customized in order to meet the most demanding applications (i.e.: extremely severe environments).

* Notes: Efficiency level remains practically the same in all speed range.

W21 - Multivoltage Cast Iron Frame Motor



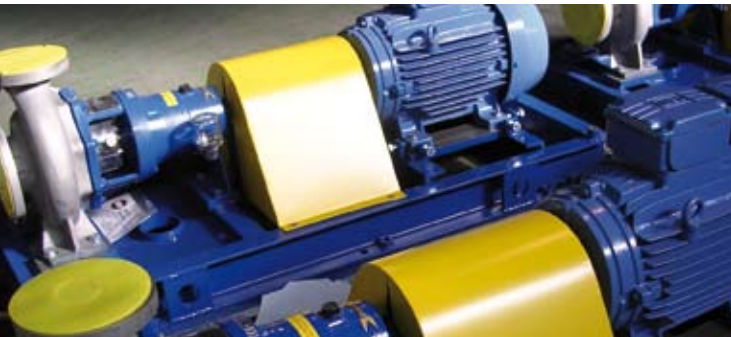
Three phase asynchronous motor, with lower acquisition cost and high technology. Easy to adapt to the most application types, allowing to your company agility during installation, easy operation and low maintenance cost. The project is according to IEC34 standards, which guarantees higher energy savings. The following types of W21 motors are available: Standard Efficiency (EFF2), Premium Efficiency (EFF1) and Top Premium Efficiency (Exceeds EFF1) and suitable to be used with Frequency Inverters.

Motor Features

- Output: 0.12 up to 330kW
- Poles: II, IV, VI and VIII
- Frame: 63 up to 355 M/L
- Three-phase multivoltage, IP55, TEFC, 50Hz

Applications

Pumps, fans, crusher, conveyors, machine tools, milling machines, centrifugal machines, presses, elevators, looms, grinders, woodworking, cooling, packaging equipment, other severe duty applications.



Features	Benefits
WISE Insulation System	Increase stator electrical strength, allowing the motor to operate with frequency inverters, without damaging by voltage peaks*.
Efficiency	Premium Efficiency (EFF1) and Top Premium Efficiency (Exceeds EFF1) motors, guarantee a fast investment pay back.
Painting Plan for Industrial Environments	Suitable to be used in slightly severe and sheltered environments, with low average humidity, regular temperature variations.
Cast Iron Frames	More strength for your application
State-of-the-art Ventilation System	Uniform motor refrigeration motor with significant temperature reduction in the external surface and bearings, guarantee high performance and energy saving to your application.
Customization	Product suitable to meet the most demanding applications in the industry.

* Notes:

Motor rated Voltage	Insulation System	Technical criteria for motors fed by frequency inverters			
		Voltage peak in the motor (Maximum)	dV/dt Inverter outlet (Maximum)	Rise Time Of Inverter (minimum)	MTBP Time between pulses (minimum)
$V_{NOM} \leq 460V$	Standard Insulation	$\leq 1430V$	$\leq 5200 V/\mu s$	$\geq 0,1 \mu s$	$\geq 6 \mu s$
$460V < V_{NOM} \leq 575V$	Reinforced Insulation	$\leq 1780V$	$\leq 6500 V/\mu s$		

W21- Multimounting Aluminum frame motors

WEG Aluminum frame motors with removable base were specially designed to meet market requirements in reference to mounting flexibility once they allow all mounting positions. The foot mounting system offers great flexibility and it quite simply allows changing on the mounting configuration without requiring any machining or modification on motor feet. Motor terminal box can be rotated at 90 degrees allowing motor leads to be connected on any motor side. Besides that, these motors are fully interchangeable with existing cast iron frame motors. Stock flexibility due to the fact that just one motor is required with mounting possibility on all positions.

VFD Features

- Output: 0.12 up to 11kW
- Poles: II, IV, VI and VIII
- Frames: 63 up to 132 M
- Three-phase multivoltage, IP55, TEFC, 50Hz

Applications

Pumps, Air Conditioning Systems, fans, cranes, compressors, conveyor belts, machine tools, winding machines, drawing machines, centrifugal pump, presses, hoists, overhead cranes, elevators, looms, grinders, woodworking, injectors, extruders, roller tables, cooling towers, packaging machines, etc.



Features	Benefits
Multimounting	Flexible and easy to change mounting configurations without requiring the necessity of machining operations or additional changes to motor feet.
Aluminum Frame	Better thermal dissipation
WISE Insulation system	Increase stator electrical strength, allowing the motor to operate with frequency inverters, without damaging by voltage peaks*.
Efficiency	Premium Efficiency (EFF1) and Top Premium Efficiency (Exceeds EFF1) motors, guarantee a fast investment pay back.
Painting Plan for Industrial Environments	Suitable to be used for the use in slightly severe and sheltered environments, with low average humidity, regular temperature variations.
State-of-the-art Ventilation System	Uniform motor refrigeration motor with significant temperature reduction in the external surface and bearings, guarantee high performance and energy saving to your application.
Customization	Product suitable to meet the most demanding applications in the industry.

* Notes:

Motor rated Voltage	Insulation System	Technical criteria for motors fed by frequency inverters			
		Voltage peak in the motor (Maximum)	dV/dt Inverter outlet (Maximum)	Rise Time Of Inverter (minimum)	MTBP Time between pulses (minimum)
$V_{NOM} \leq 460V$	Standard Insulation	$\leq 1430V$	$\leq 5200 V/\mu s$	$\geq 0,1 \mu s$	$\geq 6 \mu s$
$460V < V_{NOM} \leq 575V$	Reinforced Insulation	$\leq 1780V$	$\leq 6500 V/\mu s$		

Brake Motor



In order to have a company working with high performance it is necessary to have equipment operating based on its needs.

WEG brake motor is suitable for equipment where fast safety stops are required, positioning and time saving. WEG braking solutions allow synergy in the production process, helping with agility and safety. WEG brake motors are available in versions: Standard Efficiency (EFF2), Premium Efficiency (EFF1) and Top Premium Efficiency (Exceeds EFF1) and they are suitable to be used with frequency inverters*.

Motor Features

- Output: 0.12 up to 37kW
- Poles: II, IV, VI and VIII
- Frame: 63 up to 200L
- Three-phase multivoltage, IP55, TEFC, 50Hz
- Cast Iron Frame or Aluminum Frame

Applications

These motors can be used on any machine that requires quick stops and time savings during installation: Machine tools, looms, packing machines, gates, wood machines, cranes, other severe duty applications.

Features	Benefits
High performance braking system	Guarantee precision braking, fast and safe with easy maintenance.
Manual brake release	Possibility to keep the motor free during emergency situations or whenever necessary.
WISE Insulation System	Increase stator electrical strength, allowing the motor to operate with frequency inverters, without damaging by voltage peaks*.
Efficiency	Premium Efficiency (EFF1) and Top Premium Efficiency (Exceeds EFF1) motors, guarantee a fast investment pay back.
Painting Plan for Industrial Environments	Suitable to be used in slightly severe and sheltered environments, with low average humidity, regular temperature variations.
State-of-the-art Ventilation System	Uniform motor refrigeration with significant temperature reduction in the external surface and bearings, guarantee high performance and economy to your application.
Customization	Product suitable to meet the most demanded applications in the industry.

* Notes:

Motor rated Voltage	Insulation System	Technical criteria of motors fed by frequency inverters			
		Voltage peak in the motor (Maximum)	dV/dt Inverter outlet (Maximum)	Rise Time Of Inverter (minimum)	MTBP Time between pulses (minimum)
$V_{NOM} \leq 460V$	Standard Insulation	$\leq 1430V$	$\leq 5200 V/\mu s$	$\geq 0,1 \mu s$	$\geq 6 \mu s$
$460V < V_{NOM} \leq 575V$	Reinforced Insulation	$\leq 1780V$	$\leq 6500 V/\mu s$		

Inverter Duty Motor

Specially designed to increase motor performance when used with frequency inverters. The Inverter duty motor can operate in a wide speed range without presenting overheating problems*. Due to special developed insulation system, operation without filters between motor and inverter is allowed.

Motor Features

- Output: 0.12 up to 330kW
- Poles: II, IV, VI and VIII
- Frames: 63 up to 355 M/L
- Three-phase multivoltage, IP55, TEFC, 50Hz

Applications

Pumps, fans, crusher, conveyors, machine tools, milling machines, centrifugal machines, presses, elevators, looms, grinders, woodworking, cooling, packaging equipment, other severe duty applications.



Features	Benefits
Insulation system for voltage and frequency critical conditions	Protect the winding guaranteeing increased lifetime under extreme operation conditions.
Efficiency	Premium Efficiency (EFF1) and Top Premium Efficiency (Exceeds EFF1) motors, guarantee a fast investment pay back.
Painting Plan for Industrial Environments	Suitable to be used in slightly severe and sheltered environments, with low average humidity, regular temperature variations.
Cast Iron Frame	More strength for your application.
State-of-the-art Ventilation System	Uniform motor refrigeration with significant temperature reduction in the external surface and bearings, guarantee high performance and energy saving to your application.
Customization	The Inverter Duty motors can be supplied with independent ventilation system using a WEG motor.

* Notes:

Derating Curve: For operation above the rated frequency, use the derating curve and check if the breakdown torque will be suitable for the application in the maximum speed of operation.

Rated Voltage	Technical criteria for application with frequency inverters			
	Voltage Peaks Motor Terminals (maximum)	dV/dt Inverter Terminals (maximum)	Rise Time Inverter Terminals (minimum)	MTBP Time between pulses (minimum)
575V V_{rated} ≤ 690V	≤ 2140V	≤ 7800 V/μs	≥ 0,1 μs	≥ 6 μs

Smoke Extraction



Assure safety where a large concentration of people in commercial and industrial facilities is present is one of the main concerns of designers and company owners during the project of shopping centers, factories, warehouses, covered parking lots, tunnels and other places which concentrate a large number of people. The Smoke motors are certified* for high temperatures and guarantee a rapid smoke and heat extraction and delay in fire propagation, allowing free access to emergency exits.

Applications

Large buildings, Shopping malls, Factories, Warehouses, Enclosed parking lots, other ventilation systems

Duty	F200	F300	F400
	S1 - 40°C	S1 - 40°C	S1 - 40°C
	S2* - 200°C - 2 hours	S2* - 300°C - 1 hour	S2* - 400°C - 2 hours
Certification	Self Declaration	BSRIA - U.K. Frames: 80 to 250 Also available certification for 300° C/2 hours	BSRIA - U.K. Frames: 80 to 180 Outputs: 0.75kW - 27kW
			CTICM - France Frames: 90 to 280 Pole: IV, VI, VIII, VI/IV, VIII/IV, VIII/VI poles
Insulation Class	Ins. Class F; Temp. Rise 80K	Ins. Class H; Temp. Rise 80K or 105K	
Standard	EN 12101-3		
Pole / Frame sizes available	II, IV/II pole (frame sizes 80 up to 315S/M)		
	IV, VI, VIII, VIII/IV, VI/IV pole (frame sizes 80 up to 355M/L)		
Construction	TEFC or TEAO (foot or flange mounted / pad mounted for frame sizes 80 up to 250)		

* Continuously rated for normal ambient and emergency duty at rated temperature and time.

Features	Benefits
WISE Insulation System	Increase stator electrical strength, allowing the motor to operate with frequency inverters, without damaging by voltage peaks.
Painting Plan for Industrial Environments	Suitable to be used in slightly severe and sheltered environments, with low average humidity, regular temperature variations.
Cast Iron Frame	More strength for your application
State-of-the-art Ventilation System	Uniform motor refrigeration with significant temperature reduction in the external surface and bearings, guarantee high performance and energy saving to your application.
Customization	Product suitable to meet the most demanding applications in the industry.

Fan and Exhaust Motor

Motor suitable to the most demanding specifications of OEM's ventilation customers. Can be supplied in versions: Pad, Foot or Flange mounted. Besides the mounting configurations the motor can be also supplied with T-box and terminal block or without T-box and 1 meter of cable leads allowing remote assembly of the T-box.

Motor Features

- Output: 0.12 up to 315kW
- Poles: II, IV, VI, VIII and two speed
- Frame: 63 up to 225 S/M PAD/FOOT and above only FOOT
- Three-phase multivoltage, IP55, TEAO or TEFC, 50Hz



Applications

Fan and exhausters, Tunnels, Fan and exhaust systems in buildings, theaters, movie theaters and industries, Subways, Air conditioning systems, Underground coal mines, Shopping centers, Supermarkets and others.



Features	Benefits
WISE Insulation System	Increase stator electrical strength, allowing the motor to operate with frequency inverters, without damaging by voltage peaks.
Efficiency	Premium Efficiency (EFF1) and Top Premium Efficiency (Exceeds EFF1) motors, guarantee a fast investment pay back.
Painting Plan for Industrial Environments	Suitable to be used in slightly severe and sheltered environments, with low average humidity, regular temperature variations.
Customization	Product suitable to meet the most demanding applications in the industry.



Explosion - Proof Motors (Ex d) and Explosion - Proof Motors with Increased safety terminal boxes (Ex de)



The installation of electric motors where flammable products are continuously handled, processed or stored, must comply with the most demanding safety standards in order to guarantee life protection, machines and environment. Following to the highest safety standards WEG explosion proof motors are made of robust construction, modern system of flame retention with joint parts carefully designed, precision machining in the T-box eliminating imperfections in the joint parts and fixation with high mechanical strength bolts.

Motor Features

- Output: 0.37 up to 315kW
- Poles: II, IV, VI, VIII and two speed
- Frame: 90S/L up to 355 M/L
- Three-phase multivoltage, IP55, TEFC, 50Hz

Applications

Pumps, Fans, Crushers, Conveyors, Machine tools, Milling machines, Centrifugal machines, Presses, Elevators, Looms, Grinders, Woodworking, Cooling, Packaging equipment, Other Severe Duty applications.



Feature	Benefits
Modern flame retention system with robust frame, end shields and T-box.	Avoid flame propagation from inside the motor to the external side, guaranteeing safety protection to the life, machines and environment.
Certification for the use with frequency inverters – T4	Guarantee in speed variation applications and hazardous areas such as Zone 1 and Zone 2, according to CESI certification.
Additional nameplate for the use with frequency inverters.	Easy identification of the conditions of operation temperature (speed and torque range)
Efficiency	Premium Efficiency (EFF1) motors, guarantee a fast investment pay back.
Painting Plan for Severe Environments	Special for industrial severe environments, sheltered or not, which may contain SO ₂ , steam, solid contaminants and high humidity.
Customization	Product suitable to meet the most demanding applications in the industry.

* Notes:

Motor rated Voltage	Insulation System	Technical criteria for motors fed by frequency inverters			
		Voltage peak in the motor (Maximum)	dV/dt Inverter outlet (Maximum)	Rise Time (*) Of Inverter (minimum)	MTBP (*) Time between pulses (minimum)
$V_{NOM} \leq 460V$	Standard Insulation	$\leq 1430V$	$\leq 5200 V/\mu s$	$\geq 0,1 \mu s$	$\geq 6 \mu s$
$460V < V_{NOM} \leq 575V$	Reinforced Insulation	$\leq 1780V$	$\leq 6500 V/\mu s$		

Classification:

IEC Standard

CENELEC Standard

Zone 1; Group IIB

Group IIB; Category 2

The classification for Zone 1 means that the motor is suitable to operate also in Zone 2 once Zone 1 represents an operating condition worse than Zone 2.

The same applies to Groups and Categories: Ex d and Ex de motors are suitable to operate also in Group IIA and Category 3.

Certification:

WEG explosion proof motors (Ex d) with increased safety terminal boxes (Ex de) are manufactured according to standard EN IEC 60079-0 and EN IEC 60079-1 and have EC-Type Examination Certificate from CESI (Centro Elettrotecnico Sperimentale Italiano S.P.A). WEG Manufacturing System meets ATEX Directive 94/9-EC and is certified by PTB (Physikalisch-Technische Bundesanstalt).

Ex d with brake

The installation of electric motors where flammable products are continuously handled, processed or stored must comply with the most demanding safety standards in order to guarantee life protection, machines and environment. Following to the highest safety standards WEG explosion proof motors integrate the high performance of the brakes. Proper solution to equipment where fast safety stops are required, as well as precise positioning with safety in hazardous areas such as Zone 1 and Zone 2. WEG Exd motors with brake are available in versions: Standard Efficiency (EFF2), Premium Efficiency (EFF1) and Top Premium Efficiency (Exceeds EFF1) and are certified to operate with frequency inverters.*



Motor Features

- Output: 2.2 up to 18.5kW
- Poles: II, IV, VI and VIII
- Frame: 132 S up to 160 L
- Three-phase multivoltage, IP55, TEFC, 50Hz

Applications

Machine tools, Looms, Packaging machines, Conveyors, Cranes, Wash and bottling machines.



Features	Benefits
High performance braking system	Guarantee precise braking, fast and safe with easy maintenance.
Manual brake release	Possibility to keep the motor free during emergency situations or whenever necessary.
Modern flame retention system with robust frame, end shields and T-box.	Avoid flame propagation from inside the motor to the external side, guaranteeing safety life protection, machines and environment.
Certification for the use with frequency inverters – T4.	Guarantee in speed variation applications and hazardous areas such as Zone 1 and Zone 2, according to CESI certification.
Additional nameplate	Easy identification of the motors in the factory and traceability.
Efficiency	Premium Efficiency (EFF1) motors, guarantee a fast investment pay back.
Painting Plan for Severe Environments	Special for industrial severe environments, sheltered or not, which may contain SO ₂ , steam, solid contaminants and high humidity.
Customization	Product suitable to meet the most demanded applications in the industry.

* Notes:

Motor rated Voltage	Insulation System	Technical criteria for motors fed by frequency inverters			
		Voltage peak in the motor (Maximum)	dV/dt Inverter outlet (Maximum)	Rise Time (*) Of Inverter (minimum)	MTBP (*) Time between pulses (minimum)
$V_{NOM} \leq 460V$	Standard Insulation	$\leq 1430V$	$\leq 5200 V/\mu s$	$\geq 0,1 \mu s$	$\geq 6 \mu s$
$460V < V_{NOM} \leq 575V$	Reinforced Insulation	$\leq 1780V$	$\leq 6500 V/\mu s$		

Classification:

IEC Standard

Zone 1; Group IIB

CENELEC Standard

Group IIB; Category 2

The classification in Zone 1 means that the motor is suitable to operate also in Zone 2 once Zone 1 represents an operating condition worse than Zone 2.

The same applies to Groups and Categories: Ex d and Ex de motors are suitable to operate also in Group IIA and Category 3.

Certification:

WEG explosion proof motors (Ex d) with increased safety terminal boxes (Ex de) are manufactured according to standard EN IEC 60079-0 and EN IEC 60079-1 and have EC-Type Examination Certificate from CESI (Centro Elettrotecnico Sperimentale Italiano S.P.A). WEG Manufacturing System meets ATEX Directive 94/9-EC and is certified by PTB (Physikalisch-Technische Bundesanstalt).

Ex nA Non Sparking



The installation of electric motors where a flammable mixture is not frequently present but may represent risks, must comply to the most demanding safety standards for life protection, machines and environment.

Following to the highest safety standards WEG Ex nA motors are flexible to adapt to various applications allowing to your company agility during installation, easy operation, low maintenance cost and safety. WEG Ex nA motors are available in versions: Standard Efficiency (EFF2), Premium Efficiency (EFF1) and Top Premium Efficiency (Exceeds EFF1) and suitable to be used with Frequency Inverters.

Motor Features

- Output: 0.12 up to 315kW
- Poles: II, IV, VI and VIII
- Frames: 63 up to 355 M/L
- Three-phase multivoltage, IP55, TEFC, 50Hz

Applications

Pumps, Fans, Milling Applications, Centrifugal Machines, Presses, Elevators, Machine tools, Woodworking, Grinders, Looms, Cooling, Packaging machines, Conveyors, Wash and bottling machines.



Features	Benefits
Reduced motor external surface temperature	Do not allow conductive dust ignition in contact with the motor or during suspension in the air.
Certification for the use with frequency inverters	Guarantee in speed variation applications and hazardous areas such Zone 2, according to certification.
Efficiency	Premium Efficiency (EFF1) and Top Premium Efficiency (Exceeds EFF1) motors, guarantee a fast investment pay back.
WISE Insulation System	Increase stator electrical strength, allowing the motor to operate with frequency inverters, without damaging by voltage peaks.
Painting Plan for Severe Environments	Special for industrial severe environments, sheltered or not, which may contain SO ₂ , steam, solid contaminants and high humidity.

Notes:

Classification

WEG Ex nA motor line, which was up to now designed to operate at areas classified as Zone 2 (combustible gas), are now suitable to operate also at Zone 22 containing non-conductive combustible dusts. Based on a careful design carried out in conformance with pre-established requirements of applicable European Standards and Directives these motors offer you the reliability and safety that you need.

IEC Standard:

Zone 2 (gas) and 22 (non-conductive dust); Group II

CENELEC Standard:

Group II; Category 3G (gas) and 3D (non-conductive dust)

Certification

WEG non sparking motors meet standard EN IEC 60079-0 and EN IEC 60079-15 (no-sparking), as well as EN 61241-0 and EN 61241-1 (Zone 22 - non-conductive dust and as customer option, they are certified by BASEEFA.

WEG Manufacturing System meets ATEX Directive 94/9-EC and is certified by PTB (Physikalisch-Technische Bundesanstalt).

Ex e Increased Safety

The installation of electric motors where flammable products are continuously handled, processed or stored, must comply with the most demanded safety standards in order to guarantee life protection, machines and environment. WEG increased safety motors are certified by PTB – Physikalisch - Technische Bundesanstalt. The PTB certificates of conformity for explosion proof in increased safety enclosure “e” as per EN50014/ EN50019 are: Ex e – Increased safety motors (class of temperature T3 / T4).

Motor Features

- Output: 0.18 up to 100kW
- Poles: II and IV
- Frames: 63 up to 315S/M
- Three-phase multivoltage, IP55, TEFC, 50Hz

Applications

Pumps, Fans, Milling Application, Machine tools, Looms, Packaging machines, Conveyors, Presses, Elevators, Woodworking, Cooling.



Features	Benefits
WISE Insulation System	Increase stator electrical strength, allowing the motor to operate with frequency inverters, without damaging by the voltage peaks.
Painting Plan for Industrial Environments	Suitable to be used in slightly severe and sheltered environments, with low average humidity, regular temperature variations.
Cast Iron Frame	More strength for your application
State-of-the-art Ventilation System	Uniform refrigeration of the motor with significant temperature reduction in the external surface and bearings, guarantee high performance and energy saving to your application.
Customization	Product suitable to meet the most demanded applications in the industry.

Notes:

Classification:

IEC Standard:

Zone 1 and 2, Group II

CENELEC Standard:

Group II; Category 2 and Zone 1

The classification in Zone 1 means that the motor is suitable to operate also in Zone 2 Category 3) once Zone 1 represents an operating condition worse than Zone 2.

WEG increased Safety motors (Ex e) are manufactured according to standard EN IEC 60079-0 and EN IEC 60079-7 and have EC-Type Examination Certificate from PTB (Physikalisch-Technische Bundesanstalt). WEG Manufacturing System meets ATEX Directive 94/9-EC and is certified by PTB (Physikalisch-Technische Bundesanstalt).



Motor for zone 21 Dust Ignition Proof



WEG WDIP line (Dust Ignition Proof) has been specially designed to maximize safety and quality of hazardous area motors – Zone 21 (grain processing, cereals, textile fibers, powder coating, polymers, etc.) Reliability and safety under the presence of conductive dust in suspension in the air (cloud) or layer (up to 5mm), according to IEC standards.

Motor Features

- Output: 0.12 up to 315kW
- Poles: II, IV, VI and VIII
- Frames: 63 up to 355 M/L
- Three-phase multivoltage, IP66, TEFC, 50Hz

Applications

Sugar refining plants, Breweries, Cement Plants, Textiles, Pharmaceutical, Chemical and Agricultural process industries.



Features	Benefits
WISE Insulation System	Increase stator electrical strength, allowing the motor to operate with frequency inverters, without damaging by voltage peaks.
Efficiency	Premium Efficiency (EFF1) motors, guarantee a fast investment pay back.
Painting Plan for Industrial Environments	Suitable to be used in slightly severe and sheltered environments, with low average humidity, regular temperature variations.
Cast Iron Frame	More strength for your application
State-of-the-art Ventilation System	Uniform refrigeration of the motor with significant temperature reduction in the external surface and bearings, guarantee high performance and energy saving to your application.
Customization	Product suitable to meet the most demanded applications in the industry.

Notes:

Classification:

IEC Standard: 61241-1
Zone 21 (dust); Group II

CENELEC Standard: 61241-1
Group II; Category 2 Zone 21 (dust)

Certification:

WEG Cast iron Multivoltage Motors for Zone 21 meet ATEX Directive 94/9/EC 94/4/EC and have EC-Type Examination Certificate from CESI (Centro elettrotecnico Sperimentale Italiano S.P.A. as per EN 60079-15 and EN 61241-1.

WEG Motors for Zone 21 of WDIP Line (Dust Ignition Proof) are manufactured according to Standard EN 61241-0, EN 61241-1, EN IEC 60079-0 and EN IEC 60079-1 and have EC-Type Examination Certificate from CESI (Centro Elettrotecnico Sperimentale Italiano S.P.A). WEG Manufacturing System meets ATEX Directive 94/9-EC and is certified by PTB (Physikalisch-Technische Bundesanstalt).



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