

Efficient drive solutions

>pDRIVE< frequency inverters and motors



Innovation first

Innovative and professional.

We are a partner you can rely on.

Innovation first



Experience

With more than 25 years of experience in the field of electronic drive engineering, we are the drives specialist for high power ratings in the Schneider Electric global concern.

Schneider Electric is a group with more than 112,000 employees worldwide and a business volume of €17 billion, a byword for industrial continuity and technological progress.

Commitment

Our employees form a global network of specialists just waiting to fulfil your drive requirements, however complex and whatever the power range.

Tradition

>pDRIVE< is a well-established and distinguished product brand that stands for frequency inverters, motors and mains active restoring systems that offer the very latest technology, modern industrial design and maximum user-friendliness.

Progress

We always take user feedback and requirements into account when enhancing existing products and developing new ones. This is how we deliver innovations that are all about benefiting you and your company.



With us by your side,
you will always have
a professional partner
you can rely on.

Our products and your needs: The perfect match

Our customers demand solutions for their specific plant situations and an extremely wide range of environmental conditions. Applications range from drives operating as simple control elements right up to decentralised drive units performing closed-loop/open-loop regulation, positioning and control tasks.

With its well-structured design, simple method of operation that nevertheless offers extensive functionality, and numerous options, we have fully adapted the >pDRIVE< MX to your needs.

The device

The device construction, which is robust in every respect and suitable for all power ratings from 0.75 to 2400 kW, guarantees long, fault-free operation.

The control electronics are internally separated from the IP54 power part, which means they are well protected from troublesome dirt.

Electrical options

- Choke to reduce current harmonics
– available for AC or DC
- Additional radio interference filters for applications in residential areas
- Braking resistors for hoists, long-travels, ...
- Output motor filters for optimum motor protection if extremely long motor cables are used



Mechanical options

- Mounting set for quick and safe installation in cubicles
- Terminal box as an ideal addition to wall-mounted inverters
- Flange mounting kit for installing the heat sink outside the cubicle
- Choke mounting kit for installing the DC choke behind the inverter

Innovative control options

The basic device of the >pDRIVE< MX already includes freely programmable comparators, logic modules and timing elements for the cost-effective execution of drive control tasks.

The >pDRIVE< MX eco & pro frequency inverters offer fieldbus connections for Modbus and CANopen as standard. A plug-in card is available for connecting the device to Profibus DP with a Profidrive profile. And the plug-and-play capability of the >pDRIVE< MX is not restricted to the mechanics of its connection, but extends to automatic activation and display of the appropriate parameters.

Removable Matrix operating panel

In addition to the basic keypad that can be used for displaying the status of the inverter and for setting up parameters, the removable Matrix operating panel contains a large eight-line display for showing plaintext in 20 languages.

The copy function is also particularly useful because it enables you to transfer all your settings to other devices quickly.

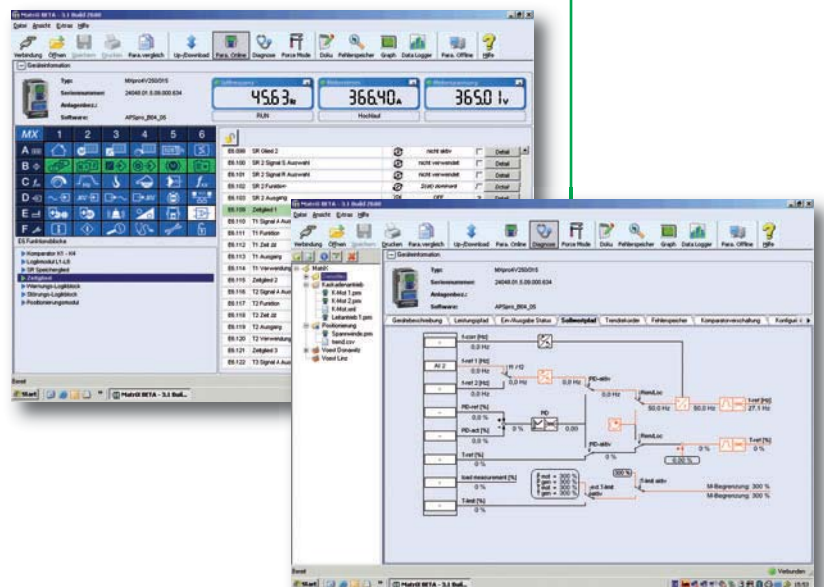
Operating philosophy

Our >pDRIVE< frequency inverters have long been successful in a wide variety of different applications thanks to their unique operating concept and their reliability. The well-known Matrix operating philosophy helps you to perform operations simply and quickly, as does the large display, the clever Matrix wheel and the targeted-oriented function keys.

Matrix 3 PC software

The user-friendly and powerful Matrix 3 PC software has made the >pDRIVE< MX eco & pro product series even easier to use. Based on the familiar Windows user interface and the well-established Matrix operating philosophy, the program offers numerous tools that considerably shorten commissioning times and facilitate secure archiving of the completed device settings.

Moreover, if you need remote access to your drive via a modem or Ethernet for diagnostic and monitoring purposes, that's no problem at all.



The right decision for standard drives

>pDRIVE< MX eco



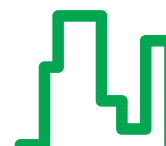
The >pDRIVE< MX eco series is ideal for speed-controlled standard drives with a constant load torque.

It can be used in a wealth of applications, from domestic water systems, irrigation plants and industrial drives for pumps and blowers with

square load torques, to constant load torque compressors and water lifting works.

In addition to the simple and robust design, you are also supported by numerous integrated device features designed to ensure safe and fault-free operation.

- Cascade control for up to five pumps without external controls
- Automatic balancing of operating hours for the selected pumps
- Emergency operation for more reliable ventilation of road and rail tunnels
- Follow-up function and standby mode to save energy
- Analog arithmetic unit increases the versatility of the integrated PID controller
- Automatic control of device fans
- Regulator for pressure and flow characteristics with compensation for pressure drop
- “Safe standstill” function means no line or motor contactor has to be installed
- Motor recognition for safer switching on and off during operation
- Economy mode ensures maximum system efficiency
- Direct integration of pressure and flow sensors



Choose the
>pDRIVE< MX eco
for standard drives in
buildings, communal
areas and industry.

General technical data >pDRIVE< MX eco

Mains voltage	3-phase 380...480 V –15/+10 %; 50/60 Hz ±5 %
Power range	0.75...630 kW
Maximum current	120 % for 60 s per 10 minutes, 135 % for 2 s
Design	Built-in unit with protection degree IP20, from 90 kW IP20/IP00 Wall-mounting device with protection degree IP41/21, from 90 kW IP31
Special functions	Built-in RFI filter for 1st environment “residential” category C2, from 5.5 kW for 2nd environment “industrial” category C3
Standards	CE, UL, CSA, GOST, ATEX, safe standstill according to EN 954-1 / ISO 13849-1

The very best for highly dynamic processes

>pDRIVE< MX pro



The >pDRIVE< MX pro is unequalled with respect to process and cost optimisation.

The built-in facility for switching from power P1 “high overload” to P2 “high continuous load” offers the best possible capacity utilisation as well as an additional way of optimising costs. The braking function provided by the braking

unit together with several inverters coupled via the DC link makes it possible to perform highly dynamic drive tasks really efficiently. In addition to the simple and robust design, you are also supported by numerous integrated device features designed to ensure safe and fault-free operation.

- High-quality speed and torque control
- Selectable overload limit – power P1/P2
- Motor control modes for dynamic operation of synchronous and asynchronous motors
- Extended crane functions for enhanced safety and faster operation
- Automatic control of device fans
- Positioning functions for fast production lines
- “Safe standstill” function means no line or motor contactor has to be installed
- Synchronous speed and rotation controls to create an electrical simulated shaft
- Master/slave control for even load sharing with group drives
- Parameter switching depending on the drive task



The >pDRIVE< MX pro is ideally suited to all high-performance drives used in industry and machine building.

General technical data >pDRIVE< MX pro

Mains voltage	MX pro 4V: 3-phase 380...480 V -15/+10 %; 50/60 Hz ±5 % MX pro 6V: 3-phase 500...690 V -15/+10 %; 50/60 Hz ±5 %
Power range	MX pro 4V: 0.75...630 kW MX pro 6V: 2.2...800 kW
Maximum current	150 (120) % for 60 s per 10 minutes, 165 (135) % for 2 s
Design	Built-in unit with protection degree IP20, from 90 kW IP20/IP00 Wall-mounting device with protection degree IP41/21, from 90 kW IP31
Special functions	Built-in RFI filter for 2nd environment “industrial” C3 (C2 up to 4.0 kW); built-in braking unit up to 160/200 kW, encoder feedbacks
Standards	CE, UL, CSA, GOST, ATEX, safe standstill according to EN 954-1 / ISO 13849-1

Versatile cubicle solutions

>pDRIVE< MX multi



The >pDRIVE< MX multi concept offers standard, ready-to-connect cubicles based on a modular assembly system that enables you to customise them to your individual plant conditions.

The basic configuration comprises not only a frequency inverter of type >pDRIVE< MX eco or >pDRIVE< MX pro and the Matrix operating panel, but also mains protection equipment including the main switch, a choke to reduce current harmonics and the corresponding connection terminals.

In addition, the >pDRIVE< MX multi gives you:

- A choice of three different protection degrees
- A clearly specified and tested cooling system
- A ready-to-connect cubicle device tested at full load



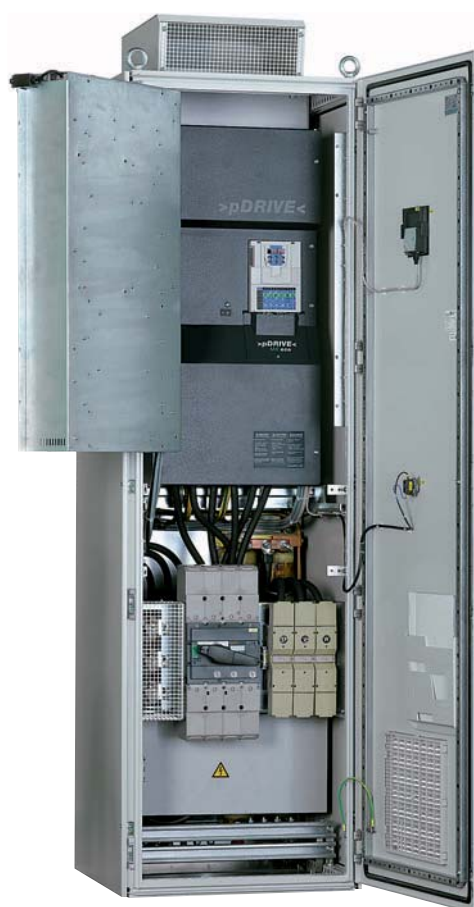
Extended power range
of >pDRIVE< MX multi
up to 2400 kW



Simple planning

The simple modular assembly system enables you to quickly choose from the available options.

These include extensions to the power part, various control and protection options as well as cubicle heating, lighting and additional terminals for motor standstill heating or external motor fans.



Some further options:

- Door handle for main switch
- Line contactor
- Output motor filter
- Braking unit
- Mains current and mains voltage display
- Cable entry from above
- Control voltage transformer
- Power supply unit for buffer voltage
- Emergency off / emergency stop
- Terminal extension
- Fieldbus communication
- Speed feedback
- PTC thermistor relay
- Pt100 evaluation instrument
- Key switch
- Air conditioning unit
- Cubicle plinth 200 mm



A tested cubicle,
configured just the
way you like:
>pDRIVE< MX multi

General technical data >pDRIVE< MX multi

Mains voltage	3-phase 380...415 / 500...525 / 690 V -15/+10 %; 50 Hz ±5 %
Power range	22...2400 kW
Basic equipment	Frequency inverter >pDRIVE< MX eco or MX pro, main switch, mains fuses, AC or DC choke, motor terminals, Matrix operating panel
Optional equipment	Line contactor, output motor filter, braking unit, terminal extensions, fieldbus, emergency stop, lighting, ...
Design	Standard inverter cubicle based on Rittal TS8 system
Special functions	Built-in RFI-filter for 2nd environment "industrial" class 3 as standard
Standards	CE, GOST, ATEX, safe standstill according to EN 954-1 / ISO 13849-1

Individual system solutions

>pDRIVE<

Comprehensive support

Whether for a brief telephone query, an on-site situation analysis or to develop an entire system solution, we are at your service:

- For selecting inverters and accessories
- With a flexible yet standardised cubicle solution for inverters
- For the complete drive chain
transformer – inverter – (transformer) – motor
- For wiring, installation and commissioning



Numerous special designs

Our proximity to customers and our internal flexibility allow us to offer a range of special designs like customised cubicle colours, different cubicle brands or customer-specific control equipment.



Flexibility in providing customer-specific system solutions is our strength.

Performance offering

Voltage range	3-phase 380...415 / 400...480 / 500...525 / 600...690 V -15/+10 %; 50/60 Hz ± 5 %
Power range	22...2400 kW
Individual design	For example, cubicle height from 1600...2400 mm, cubicles made of stainless steel, different cubicle brands (e.g. Sarel, Schimscha, Dessauer), customer-specific controls, cubicle air conditioning with air-air or air-water heat exchanger, redundant cooling system, external heat exchange unit, common incoming section for several frequency inverters, supply and regeneration unit for efficient energy exchange, inverter for operation of medium-voltage motors, ...



Water-cooled drives

Water-cooled frequency inverters are an interesting alternative when equipment has to be operated in a confined space or in machines with a very compact construction.

It offers extremely compact dimensions and ensures maximum availability even in the harshest environments.

A water-water or air-water heat exchanger can be integrated into a cubicle if required. The main fields of application for this type of drive are mining and machine building.



Energy regeneration to the mains

Hoists, test benches, winches and other drives that often perform regenerative operation need an efficient way of returning energy to the mains.

With the *>pDRIVE< LX*, both individual and group drives work as 4-quadrant drives. The supply and regeneration unit carries a sinusoidal mains current where $\cos \phi = 1$.

Due to the controlled intermediate circuit voltage the *>pDRIVE< LX* can easily deal with mains voltage drops of up to 40 %.



Drives for medium-voltage motors

For medium power applications, using low-voltage inverters together with step-up transformers has proved a very successful and cost-effective alternative to medium-voltage inverters, both for retrofitting and when installing new plant. Our product range includes frequency inverters with sinusoidal motor filter and step-up transformer, which are also available as cubicle units and with additional step-down transformer.

Motors and frequency inverters

– a powerful combination

The technology and quality of our >pDRIVE< EM low-voltage industrial motors originate from the traditional ELIN low-voltage asynchronous motors. Consistent further development has made the state-of-the-art >pDRIVE< EM motor a dependable partner for industry and commerce.

What the >pDRIVE< EM motor offers:

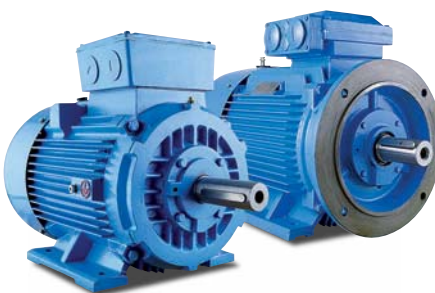
- Short lead times thanks to varied stock being kept
- Numerous models and voltage ranges available
- Adapted to your requirements in just a few days
- Attractive price/performance ratio
- A powerful name guarantees excellent reliability

All our motors conform to efficiency classification EFF2 and prospective IE1 as a minimum, therefore making a valuable contribution to energy savings and reduced running costs. A further savings potential presents itself if they are used in conjunction with the >pDRIVE< MX frequency inverter.

Regulated drives require up to 50 % less energy, thus helping to conserve the environment and having a positive impact on the balance sheet.

Typical applications:

- >pDRIVE< EM motors and >pDRIVE< MX eco frequency inverters:
drives for pumps and fans in HVAC and industrial environments, compressors and stirrers in industrial and communal applications
- >pDRIVE< EM motors and >pDRIVE< MX pro frequency inverters for grinding and injection moulding drives in machine building, crane and crusher drives in heavy industry



Speed-controlled drives can give you an energy saving of up to 50%.

Motor design variations

Number of poles	2, 4, 6 and 8-pole
Voltages	3AC 218...277 V, 380...480 V, 500 V, 655...725 V and special voltages
Sizes	B3, B5, B35, V1, B14 (small/large), B34
Power range/	Light metal design: shaft height 71 to 160 mm
Shaft height	Cast-iron frame: shaft height 160 to 500 mm
Basic configuration	Built-in PTC thermistors, lubricator, bearing insulated on one side (according to frame size)
Special designs	Reinforced bearing, extended monitoring functions, various colours, enhanced environmental protection, encoder mounting, external fan, ...
Standards	CE

Teamwork for joint success



The highest standards in training and service

By involving specialist staff from the development, sales, service and product management departments, we are also able to offer the very highest quality of service. Their years of international experience and their up-to-date expertise enable them to provide fast and efficient knowledge transfer.



Product and service training

Internal training courses and courses for end customers are held at our premises by experienced specialists with direct access to information sources. A modern training room and target-orientated training equipment are available at any time.



Technical support

We offer worldwide, professional support for technical queries relating to our products and systems. This ranges from telephone enquiries to detailed documentation and even to tele-servicing via a direct remote connection to the drive.



Our committed
employees are on
your side for the
whole product
cycle.

Commissioning and on-site servicing

Our specialists use their extensive product and application knowledge, gained in various industrial sectors, to perform successful commissioning and to rapidly resolve any faults.



Repairs and spare parts

To avoid unnecessary idle times, we maintain a stock of spare parts and have repair capability for our customers all over the world.

Spare parts and replacement units are usually shipped on the day the order is received.

>pDRIVE< MX eco 400 V

Built-in devices				
Mains voltage	3-phase 380...480 V -15/+10 %; 50/60 Hz ±5 %			
Maximum current	120 % for 60 s per 10 minutes, 135 % for 2 s			
Operating temperature	-10...+50°C (+45°C from 110 kW), up to +60°C with power derating			
>pDRIVE<	Motor power	Output current	Dimensions W x H x D	
MX eco 4V0,75	0.75 kW	2.3 A	130 x 230 x 175 mm	
MX eco 4V1,5	1.5 kW	4.1 A	130 x 230 x 175 mm	
MX eco 4V2,2	2.2 kW	5.8 A	130 x 230 x 175 mm	
MX eco 4V3,0	3.0 kW	7.8 A	155 x 260 x 187 mm	
MX eco 4V4,0	4.0 kW	10.5 A	155 x 260 x 187 mm	
MX eco 4V5,5	5.5 kW	14.3 A	175 x 295 x 187 mm	
MX eco 4V7,5	7.5 kW	17.6 A	175 x 295 x 187 mm	
MX eco 4V11	11 kW	27.7 A	210 x 295 x 213 mm	
MX eco 4V15	15 kW	33 A	230 x 400 x 213 mm	
MX eco 4V18	18.5 kW	41 A	230 x 400 x 213 mm	
MX eco 4V22	22 kW	48 A	240 x 420 x 236 mm	
MX eco 4V30	30 kW	66 A	240 x 550 x 266 mm	
MX eco 4V37	37 kW	79 A	240 x 550 x 266 mm	
MX eco 4V45	45 kW	94 A	320 x 630 x 290 mm	
MX eco 4V55	55 kW	116 A	320 x 630 x 290 mm	
MX eco 4V75	75 kW	160 A	320 x 630 x 290 mm	
MX eco 4V90	90 kW	179 A	310 x 680 x 377 mm	
MX eco 4V110	110 kW	215 A	310 x 680 x 377 mm	
MX eco 4V132	132 kW	259 A	350 x 782 x 377 mm	
MX eco 4V160	160 kW	314 A	330 x 950 x 377 mm	
MX eco 4V200	200 kW	387 A	430 x 950 x 377 mm	
MX eco 4V250	250 kW	481 A	585 x 950 x 377 mm	
MX eco 4V315	315 kW	616 A	585 x 950 x 377 mm	
MX eco 4V355	355 kW	671 A	880 x 1150 x 377 mm	
MX eco 4V400	400 kW	759 A	880 x 1150 x 377 mm	
MX eco 4V500	500 kW	941 A	880 x 1150 x 377 mm	
MX eco 4V630	630 kW	1188 A	1110 x 1150 x 377 mm	
Cubicle devices				
Mains voltage	3-phase 380...415 V –15/+10 %; 50 Hz ±5 %			
Dimensions	IP23: Cubicle depth: 600 mm; cubicle height: 2155 mm IP54: Cubicle depth: 600 mm; cubicle height: 2260 mm IP54 separated air flow: Cubicle depth: 600 mm; cubicle height: 2355 mm			
Ambient temperature	0... +40°C, up to 50°C with power derating			
>pDRIVE<	Motor power @ 400 V	Output current @ 400 V	Cubicle width IP23, IP54	Cubicle width IP54 separated air flow
MX multi-eco 4V22-S	22 kW	48 A	600 mm	-
MX multi-eco 4V30-S	30 kW	66 A	600 mm	-
MX multi-eco 4V37-S	37 kW	79 A	600 mm	-
MX multi-eco 4V45-S	45 kW	94 A	600 mm	-
MX multi-eco 4V55-S	55 kW	116 A	600 mm	-
MX multi-eco 4V75-S	75 kW	160 A	600 mm	-
MX multi-eco 4V90-S	90 kW	179 A	600 mm	600 mm
MX multi-eco 4V110-S	110 kW	215 A	600 mm	600 mm
MX multi-eco 4V132-S	132 kW	259 A	600 mm	600 mm
MX multi-eco 4V160-S	160 kW	314 A	600 mm	600 mm
MX multi-eco 4V200-S	200 kW	387 A	600 mm	600 mm
MX multi-eco 4V250-S	250 kW	481 A	800 mm	800 mm
MX multi-eco 4V315-S	315 kW	616 A	800 mm	800 mm
MX multi-eco 4V355-S	355 kW	671 A	1000 mm	1400 mm
MX multi-eco 4V400-S	400 kW	759 A	1000 mm	1400 mm
MX multi-eco 4V500-S	500 kW	941 A	1000 mm	1400 mm
MX multi-eco 4V630-S	630 kW	1188 A	1200 mm	1600 mm

>pDRIVE< MX pro 400 V

Built-in devices				
Mains voltage	3-phase 380...480 V -15/+10 %; 50/60 Hz ±5 %			
Maximum current	Power P1: 150 % for 60 s per 10 minutes, 165 % for 2 s Power P2: 120 % for 60 s per 10 minutes, 135 % for 2 s			
Operating temperature	Power P1: -10 ... +50°C, up to 60°C with power derating Power P2: -10 ... +45°C, up to 60°C with power derating			
>pDRIVE<	Motor power	Output current	Dimensions	
	P1/P2 @ 400 V	I1/I2 @ 400 V	W x H x D	
MX pro 4V0,75	0.75 kW	2.3 A	130 x 230 x 175 mm	
MX pro 4V1,5	1.5 kW	4.1 A	130 x 230 x 175 mm	
MX pro 4V2,2	2.2 kW	5.8 A	130 x 230 x 175 mm	
MX pro 4V3,0	3.0 kW	7.8 A	155 x 260 x 187 mm	
MX pro 4V4,0	4.0 kW	10.5 A	155 x 260 x 187 mm	
MX pro 4V5,5	5.5 kW	14.3 A	175 x 295 x 187 mm	
MX pro 4V7,5	7.5 kW	17.6 A	175 x 295 x 187 mm	
MX pro 4V11	11 kW	27.7 A	210 x 295 x 213 mm	
MX pro 4V15	15 kW	33 A	230 x 400 x 213 mm	
MX pro 4V18	18.5 kW	41 A	230 x 400 x 213 mm	
MX pro 4V22	22 kW	48 A	240 x 420 x 236 mm	
MX pro 4V30	30 kW	66 A	240 x 550 x 266 mm	
MX pro 4V37	37 kW	79 A	240 x 550 x 266 mm	
MX pro 4V45	45 kW	94 A	320 x 630 x 290 mm	
MX pro 4V55	55 kW	116 A	320 x 630 x 290 mm	
MX pro 4V75	75 kW	160 A	320 x 630 x 290 mm	
MX pro 4V90/110	90/110 kW	179/215 A	310 x 680 x 377 mm	
MX pro 4V110/132	110/132 kW	215/259 A	350 x 782 x 377 mm	
MX pro 4V132/160	132/160 kW	259/314 A	330 x 950 x 377 mm	
MX pro 4V160/200	160/200 kW	314/387 A	430 x 950 x 377 mm	
MX pro 4V200/250	200/250 kW	387/481 A	585 x 950 x 377 mm	
MX pro 4V250/315	250/315 kW	481/616 A	585 x 950 x 377 mm	
MX pro 4V315/400	315/400 kW	616/759 A	880 x 1150 x 377 mm	
MX pro 4V400/500	400/500 kW	759/941 A	880 x 1150 x 377 mm	
MX pro 4V500/630	500/630 kW	941/1188 A	1110 x 1150 x 377 mm	
Cubicle devices				
Mains voltage	3-phase 380...415 V –15/+10 %; 50 Hz ±5 %			
Dimensions	IP23: Cubicle depth: 600 mm; cubicle height: 2155 mm for 4V, 2000 mm for 4C IP54: Cubicle depth: 600 mm; cubicle height: 2260 mm for 4V, 2000 mm for 4C IP54 separated air flow: Cubicle depth: 600 mm; cubicle height: 2355 mm			
Ambient temperature	0... +40°C, up to 50°C with power derating			
>pDRIVE<	Motor power	Output current	Cubicle width	Cubicle width IP54
	P1/P2 @ 400 V	I1/I2 @ 400 V	IP23, IP54	separated air flow
MX multi-pro 4V22-S	22 kW	48 A	600 mm	-
MX multi-pro 4V30-S	30 kW	66 A	600 mm	-
MX multi-pro 4V37-S	37 kW	79 A	600 mm	-
MX multi-pro 4V45-S	45 kW	94 A	600 mm	-
MX multi-pro 4V55-S	55 kW	116 A	600 mm	-
MX multi-pro 4V75-S	75 kW	160 A	600 mm	-
MX multi-pro 4V90/110-S	90/110 kW	179/215 A	600 mm	600 mm
MX multi-pro 4V110/132-S	110/132 kW	215/259 A	600 mm	600 mm
MX multi-pro 4V132/160-S	132/160 kW	259/314 A	600 mm	600 mm
MX multi-pro 4V160/200-S	160/200 kW	314/387 A	600 mm	600 mm
MX multi-pro 4V200/250-S	200/250 kW	387/481 A	800 mm	800 mm
MX multi-pro 4V250/315-S	250/315 kW	481/616 A	800 mm	800 mm
MX multi-pro 4V315/400-S	315/400 kW	616/759 A	1000 mm	1400 mm
MX multi-pro 4V400/500-S	400/500 kW	759/941 A	1000 mm	1400 mm
MX multi-pro 4V500/630-S	500/630 kW	941/1188 A	1200 mm	1600 mm
MX multi-pro 4C500/630-S	500/630 kW	920/1100 A	1800 mm	-
MX multi-pro 4C630/710-S	630/710 kW	1100/1230 A	1800 mm	-
MX multi-pro 4C710/900-S	710/900 kW	1260/1580 A	3000 mm	-
MX multi-pro 4C900/1100-S	900/1100 kW	1580/1860 A	3000 mm	-
MX multi-pro 4C1100/1300-S	1100/1300 kW	1860/2200 A	3000 mm	-
MX multi-pro 4C1300/1400-S	1300/1400 kW	2200/2430 A	3000 mm	-

>pDRIVE< MX pro 500 V

Built-in devices				
Mains voltage	3-phase 500...690 V -15/+10 %; 50/60 Hz ±5 %			
Maximum current	Power P1: 150 % for 60 s per 10 minutes, 165 % for 2 s Power P2: 120 % for 60 s per 10 minutes, 135 % for 2 s			
Operating temperature	Power P1: -10 ... +50°C, up to 60°C with power derating Power P2: -10 ... +45°C, up to 60°C with power derating			
>pDRIVE<	Motor power	Output current	Dimensions	
	P1/P2 @ 500 V	I1/I2 @ 500 V	W x H x D	
MX pro 6V2,2/3,0	1.5/2.2 kW	3.2/4.5 A	240 x 420 x 236 mm	
MX pro 6V3,0/4,0	2.2/3.0 kW	4.5/5.8 A	240 x 420 x 236 mm	
MX pro 6V4,0/5,5	3.0/4.0 kW	5.8/7.5 A	240 x 420 x 236 mm	
MX pro 6V5,5/7,5	4.0/5.5 kW	7.5/10 A	240 x 420 x 236 mm	
MX pro 6V7,5/11	5.5/7.5 kW	10/13.5 A	240 x 420 x 236 mm	
MX pro 6V11/15	7.5/11 kW	13.5/18.5 A	240 x 420 x 236 mm	
MX pro 6V15/18	11/15 kW	18.5/24 A	240 x 420 x 236 mm	
MX pro 6V18/22	15/18.5 kW	24/29 A	240 x 420 x 236 mm	
MX pro 6V22/30	18.5/22 kW	29/35 A	240 x 420 x 236 mm	
MX pro 6V30/37	22/30 kW	35/47 A	320 x 630 x 290 mm	
MX pro 6V37/45	30/37 kW	47/59 A	320 x 630 x 290 mm	
MX pro 6V45/55	37/45 kW	59/68 A	320 x 630 x 290 mm	
MX pro 6V55/75	45/55 kW	68/85 A	320 x 630 x 290 mm	
MX pro 6V75/90	55/75 kW	85/110 A	320 x 630 x 290 mm	
MX pro 6V90/110	75/90 kW	110/136 A	330 x 950 x 377 mm	
MX pro 6V110/132	90/104 kW	136/165 A	330 x 950 x 377 mm	
MX pro 6V132/160	110/132 kW	165/200 A	330 x 950 x 377 mm	
MX pro 6V160/200	132/160 kW	200/240 A	330 x 950 x 377 mm	
MX pro 6V200/250	160/200 kW	240/312 A	585 x 950 x 377 mm	
MX pro 6V250/315	200/250 kW	312/390 A	585 x 950 x 377 mm	
MX pro 6V315/400	250/315 kW	390/462 A	585 x 950 x 377 mm	
MX pro 6V400/500	315/400 kW	462/590 A	1110 x 1150 x 377 mm	
MX pro 6V500/630	400/500 kW	590/740 A	1110 x 1150 x 377 mm	
MX pro 6V630/800	500/630 kW	740/900 A	1110 x 1150 x 377 mm	
Cubicle devices				
Mains voltage	3-phase 500...690 V –15/+10 %; 50 Hz ±5 %			
Dimensions	IP23: Cubicle depth: 600 mm; cubicle height: 2155 mm for 5V, 2000 mm for 5C IP54: Cubicle depth: 600 mm; cubicle height: 2260 mm for 5V, 2000 mm for 5C IP54 separated air flow: Cubicle depth: 600 mm; cubicle height: 2355 mm			
Ambient temperature	0... +40°C, up to 50°C with power derating			
>pDRIVE<	Motor power	Output current	Cubicle width	Cubicle width IP54
	P1/P2 @ 500 V	I1/I2 @ 500 V	IP23, IP54	separated air flow
MX multi-pro 5V18/22-S	18.5/22 kW	29/35 A	600 mm	-
MX multi-pro 5V22/30-S	22/30 kW	35/47 A	600 mm	-
MX multi-pro 5V30/37-S	30/37 kW	47/59 A	600 mm	-
MX multi-pro 5V37/45-S	37/45 kW	59/68 A	600 mm	-
MX multi-pro 5V45/55-S	45/55 kW	68/85 A	600 mm	-
MX multi-pro 5V55/75-S	55/75 kW	85/110 A	600 mm	-
MX multi-pro 5V75/90-S	75/90 kW	110/136 A	600 mm	1000 mm
MX multi-pro 5V90/110-S	90/104 kW	136/165 A	600 mm	1000 mm
MX multi-pro 5V110/132-S	110/132 kW	165/200 A	600 mm	1000 mm
MX multi-pro 5V132/160-S	132/160 kW	200/240 A	600 mm	1000 mm
MX multi-pro 5V160/200-S	160/200 kW	240/312 A	800 mm	1200 mm
MX multi-pro 5V200/250-S	200/250 kW	312/390 A	800 mm	1200 mm
MX multi-pro 5V250/315-S	250/315 kW	390/462 A	800 mm	1200 mm
MX multi-pro 5V315/400-S	315/400 kW	462/590 A	1200 mm	1600 mm
MX multi-pro 5V400/500-S	400/500 kW	590/740 A	1200 mm	1600 mm
MX multi-pro 5V500/630-S	500/630 kW	740/900 A	1200 mm	1600 mm
MX multi-pro 5C500/630-S	500/630 kW	740/920 A	1800 mm	-
MX multi-pro 5C630/800-S	630/800 kW	920/1100 A	1800 mm	-
MX multi-pro 5C800/900-S	800/900 kW	1100/1230 A	1800 mm	-
MX multi-pro 5C900/1100-S	900/1100 kW	1260/1580 A	3000 mm	-
MX multi-pro 5C1100/1300-S	1100/1300 kW	1580/1860 A	3000 mm	-
MX multi-pro 5C1300/1500-S	1300/1500 kW	1860/2140 A	3000 mm	-
MX multi-pro 5C1500/1800-S	1500/1800 kW	2020/2430 A	3000 mm	-

>pDRIVE< MX pro 690 V

Built-in devices				
Mains voltage	3-phase 500...690 V -15/+10 %; 50/60 Hz ±5 %			
Maximum current	Power P1: 150 % for 60 s per 10 minutes, 165 % for 2 s Power P2: 120 % for 60 s per 10 minutes, 135 % for 2 s			
Operating temperature	Power P1: -10 ... +50°C, up to 60°C with power derating Power P2: -10 ... +45°C, up to 60°C with power derating			
>pDRIVE<	Motor power	Output current	Dimensions	
	P1/P2 @ 690 V	I1/I2 @ 690 V	W x H x D	
MX pro 6V2,2/3,0	2.2/3.0 kW	4.0/4.5 A	240 x 420 x 236 mm	
MX pro 6V3,0/4,0	3.0/4.0 kW	4.5/5.5 A	240 x 420 x 236 mm	
MX pro 6V4,0/5,5	4.0/5.5 kW	5.5/7.5 A	240 x 420 x 236 mm	
MX pro 6V5,5/7,5	5.5/7.5 kW	7.5/10 A	240 x 420 x 236 mm	
MX pro 6V7,5/11	7.5/11 kW	10/13.5 A	240 x 420 x 236 mm	
MX pro 6V11/15	11/15 kW	13.5/18.5 A	240 x 420 x 236 mm	
MX pro 6V15/18	15/18.5 kW	18.5/24 A	240 x 420 x 236 mm	
MX pro 6V18/22	18.5/22 kW	24/27 A	240 x 420 x 236 mm	
MX pro 6V22/30	22/30 kW	27/35 A	240 x 420 x 236 mm	
MX pro 6V30/37	30/37 kW	35/43 A	320 x 630 x 290 mm	
MX pro 6V37/45	37/45 kW	43/54 A	320 x 630 x 290 mm	
MX pro 6V45/55	45/55 kW	54/62 A	320 x 630 x 290 mm	
MX pro 6V55/75	55/75 kW	62/84 A	320 x 630 x 290 mm	
MX pro 6V75/90	75/90 kW	84/104 A	320 x 630 x 290 mm	
MX pro 6V90/110	90/110 kW	104/125 A	330 x 950 x 377 mm	
MX pro 6V110/132	110/132 kW	125/150 A	330 x 950 x 377 mm	
MX pro 6V132/160	132/160 kW	150/180 A	330 x 950 x 377 mm	
MX pro 6V160/200	160/200 kW	180/220 A	330 x 950 x 377 mm	
MX pro 6V200/250	200/250 kW	220/290 A	585 x 950 x 377 mm	
MX pro 6V250/315	250/315 kW	290/355 A	585 x 950 x 377 mm	
MX pro 6V315/400	315/400 kW	355/420 A	585 x 950 x 377 mm	
MX pro 6V400/500	400/500 kW	420/543 A	1110 x 1150 x 377 mm	
MX pro 6V500/630	500/630 kW	543/675 A	1110 x 1150 x 377 mm	
MX pro 6V630/800	630/800 kW	675/840 A	1110 x 1150 x 377 mm	
Cubicle devices				
Mains voltage	3-phase 380...415 V –15/+10 %; 50 Hz ±5 %			
Dimensions	IP23: Cubicle depth: 600 mm; cubicle height: 2155 mm for 6V, 2000 mm for 6C IP54: Cubicle depth: 600 mm; cubicle height: 2260 mm for 6V, 2000 mm for 6C IP54 separated air flow: Cubicle depth: 600 mm; cubicle height: 2355 mm			
Ambient temperature	0... +40°C, up to 50°C with power derating			
>pDRIVE<	Motor power	Output current	Cubicle width	Cubicle width IP54
	P1/P2 @ 690 V	I1/I2 @ 690 V	IP23, IP54	separated air flow
MX multi-pro 6V22/30-S	22/30 kW	27/35 A	600 mm	-
MX multi-pro 6V30/37-S	30/37 kW	35/43 A	600 mm	-
MX multi-pro 6V37/45-S	37/45 kW	43/54 A	600 mm	-
MX multi-pro 6V45/55-S	45/55 kW	54/62 A	600 mm	-
MX multi-pro 6V55/75-S	55/75 kW	62/84 A	600 mm	-
MX multi-pro 6V75/90-S	75/90 kW	84/104 A	600 mm	-
MX multi-pro 6V90/110-S	90/110 kW	104/125 A	600 mm	1000 mm
MX multi-pro 6V110/132-S	110/132 kW	125/150 A	600 mm	1000 mm
MX multi-pro 6V132/160-S	132/160 kW	150/180 A	600 mm	1000 mm
MX multi-pro 6V160/200-S	160/200 kW	180/220 A	600 mm	1000 mm
MX multi-pro 6V200/250-S	200/250 kW	220/290 A	800 mm	1200 mm
MX multi-pro 6V250/315-S	250/315 kW	290/355 A	800 mm	1200 mm
MX multi-pro 6V315/400-S	315/400 kW	355/420 A	800 mm	1200 mm
MX multi-pro 6V400/500-S	400/500 kW	420/543 A	1200 mm	1600 mm
MX multi-pro 6V500/630-S	500/630 kW	543/675 A	1200 mm	1600 mm
MX multi-pro 6V630/800-S	630/800 kW	675/840 A	1200 mm	1600 mm
MX multi-pro 6C630/800-S	630/800 kW	675/840 A	1800 mm	-
MX multi-pro 6C800/1000-S	800/1000 kW	840/1050 A	1800 mm	-
MX multi-pro 6C1000/1200-S	1000/1200 kW	1010/1230 A	1800 mm	-
MX multi-pro 6C1200/1500-S	1200/1500 kW	1260/1580 A	3000 mm	-
MX multi-pro 6C1500/1800-S	1500/1800 kW	1580/1860 A	3000 mm	-
MX multi-pro 6C1800/2100-S	1800/2100 kW	1860/2140 A	3000 mm	-
MX multi-pro 6C2000/2400-S	2000/2400 kW	2020/2430 A	3000 mm	-

>pDRIVE<

>pDRIVE< MX pro

>pDRIVE< MX eco

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Due to the evolution of standards and equipment, any characteristics indicated in texts and images in this document are only binding once confirmed by our departments.