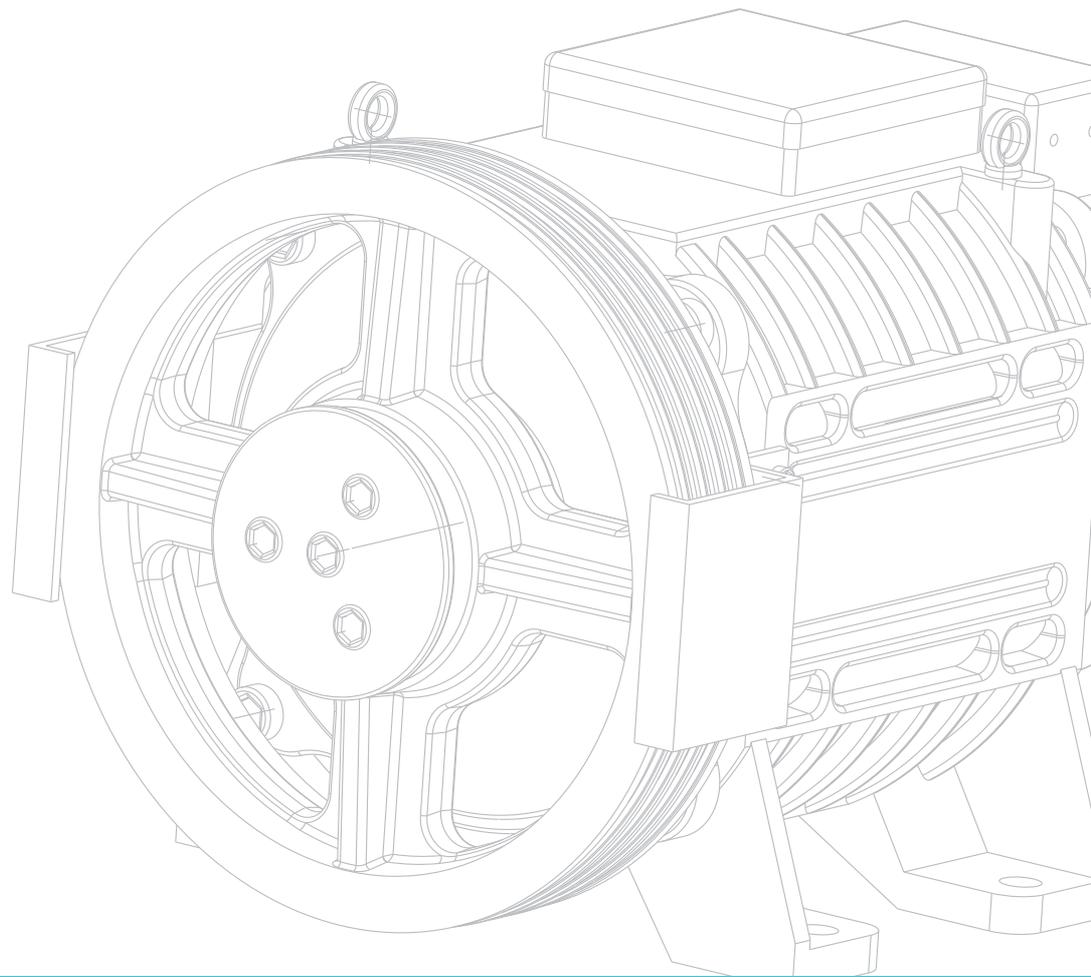


RISE UP WITH THE REVOLUTION



MONTTM
D R I V E
Lead Innovation



ISO 9001 : 2015 Certified

GEARLESS MRL MACHINES

www.montdrive.com



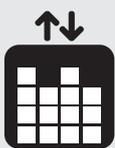
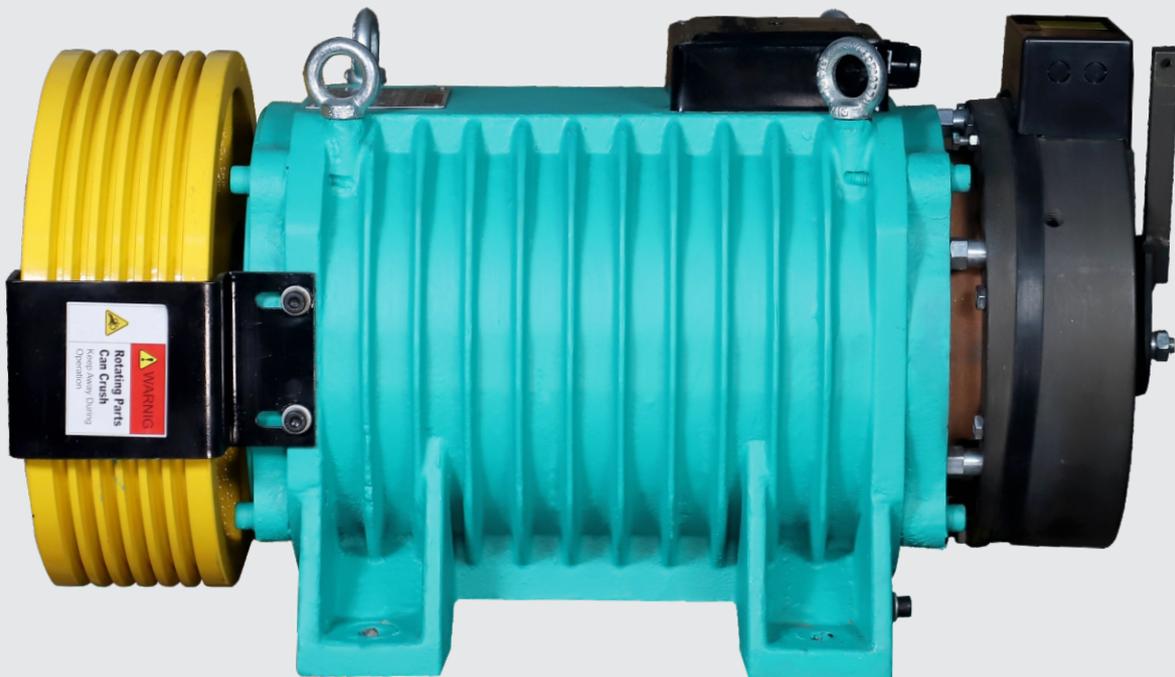
ISO 9001 : 2015 Certified



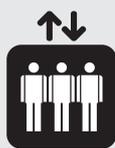
MONTTM
DRIVE
Lead Innovation

PERMANENT MAGNET MACHINES FOR ELEVATORS

GEARLESS TECHNOLOGY



GOODS ELEVATORS



PASSENGER ELEVATORS



HOME ELEVATORS



BELT MACHINES

www.montdrive.com



ISO 9001 : 2015 Certified



MONTTM
DRIVE
Lead Innovation



Noise Free

Energy Efficient

Good Bearing Life

Compact Size

0% Maintenance

www.montdrive.com



ISO 9001 : 2015 Certified



MONTTM
DRIVE
Lead Innovation



LEAD INNOVATION

About Us

J.D Engineering Works manufacture Permanent Magnet Generators, Elevator Traction Machine, AC Alternators, Electric Motors and PMG for Wind Turbine & Hydro Turbine. Mr. Gurdavinder Singh, Founder & CEO of J.D. Engineering Works and the team has a combined experience of over 40 years in working with Permanent Magnet Alternators. Mr. Singh is enthusiastic to bring the technical advancements to India and intends to accelerate the industrial progress of the country. He possesses deep knowledge and experience of this domain, which has continuously helped us design immaculate products for the clients.

J.D. Engineering is a leading manufacturer and exporter of premium quality Permanent Magnet Alternators and Generators. Located in the suburbs of Hari Nagar in West Delhi, India, it works towards designing and manufacturing innovative and reliable solutions for power generation, transmission and control in the industrial, renewable energy sectors.

Founded in the year 1979, J.D. Engineering has come a long way to establish itself leading manufacturer of AC Alternators, Generators, Electric Motors and PMG for Wind Turbine and Hydro Turbine which end applications in renewable energy systems like wind technologies, hydro-turbines, generator sets, machines etc. Its focus has always been to innovate products that not only solve the problems of efficiency in power generation and transmission but also keep the environment clean and green.

J.D. Engineering Works, the world-leading specialist in industrial AC Alternators, Generators, PMG Wind and Hydro Turbine, designs and manufactures highly innovative and eco-technological solutions to serve the industrial and large-scale commercial sector markets. Additionally, we offer highly custom tailored products to content the diverse needs of the customers and our professionals deliver a range that meets the exact requirement as speciled by the clients. We accentuate on industry compliance and make client satisfaction the focal point of our business operations. Our strong and far reaching presence in the domestic and international market in the past semi century has enabled us to distinguish ourselves internationally while delivering highly effectual and customized products to the clients to meet their requirements.



ISO 9001 : 2015 Certified



MONTTM
DRIVE
Lead Innovation

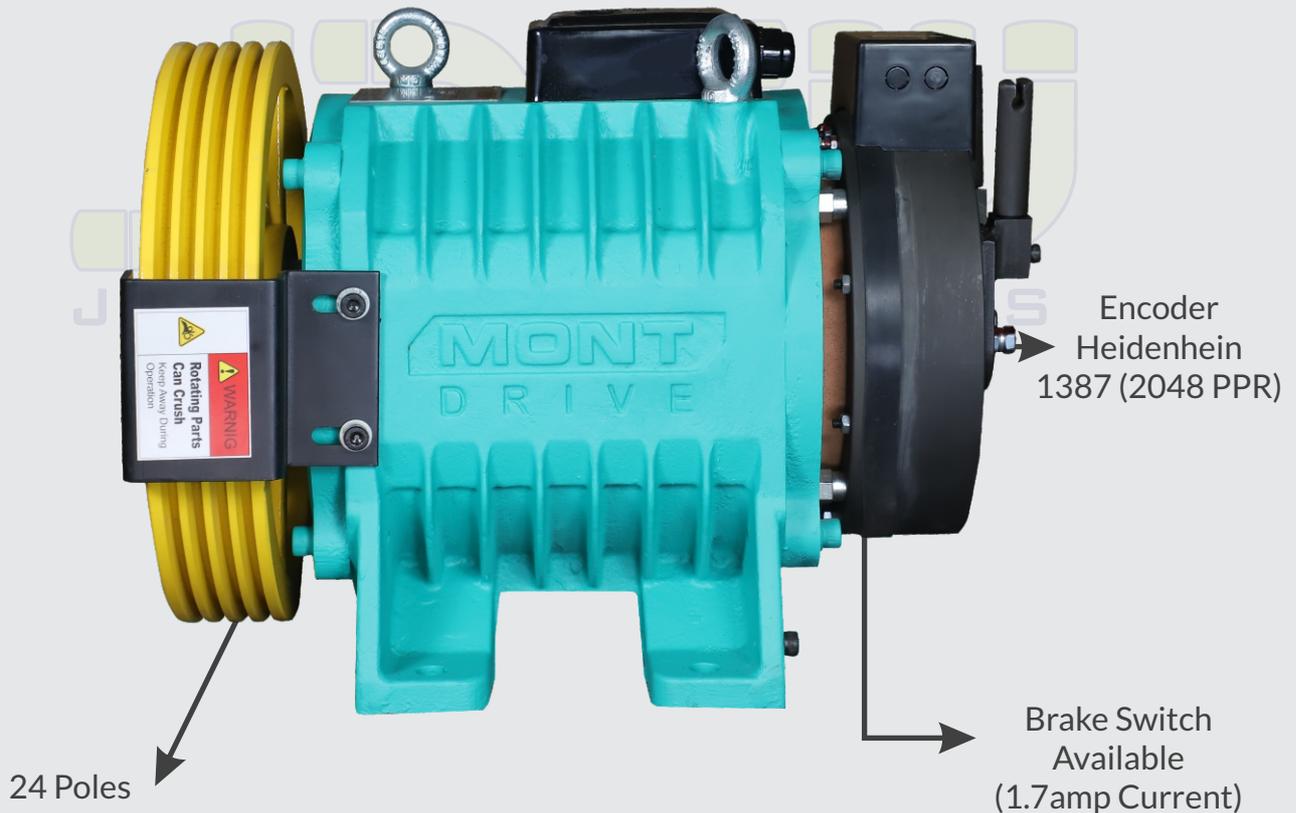
Gearless Traction Machine

A gearless traction machine is without reduction gears as in a high-speed electric elevator drive in which the driving sheave is mounted directly on the armature shaft. In Modern Era, Gearless designs are being used in the tallest structures of World.

J D ENGINEERING WORKS PROVIDE

Machine Gearless Technology

- Drive Sheave
- Dual Brake System
- Direct Drive permanent magnet synchronous motor (PMSM)
- Deflector Sheave



Note : Products undergo continuous up gradations. Hence, above mentioned specifications are subjected to change without prior notice.*



ISO 9001 : 2015 Certified



MONTTM
DRIVE
Lead Innovation



Maintenance



There is no maintenance required in the gearless machines.

No Machine Room Require



The wheel is directly attached to the motor and the cabin, there is no necessity for the machine room at the gearless elevators. That's why gearless elevators are also called Machine-Room-Less (MRL) elevators.

Energy Consumption



Gearless motors can be smaller up to ½ of a geared motor. This makes the gearless motors more efficient on electricity usage. By making the motor smaller, other components will be also smaller. This will help the efficiency issue and make gearless motors more desirable.

Noise Free



Gearless motors make less noise, are smoother on moving and stopping, and make fewer vibrations on the cabin while moving.

Comfort



Gearless elevators are comfort during accelerating, decelerating, and moving. Gearless traction elevators have an excellent ability on leveling with floors.



NO MACHINE ROOM



GEARLESS



LOW NOISE



SIGNIFICANT ENERGY SAVING



COMPACT DESIGN



ISO 9001 : 2015 Certified



MONTTM
DRIVE
Lead Innovation



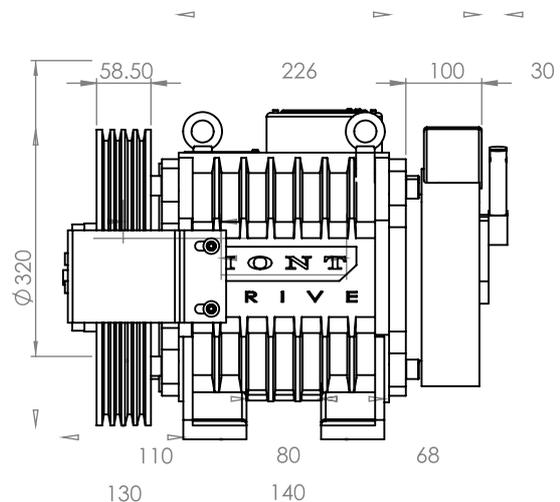
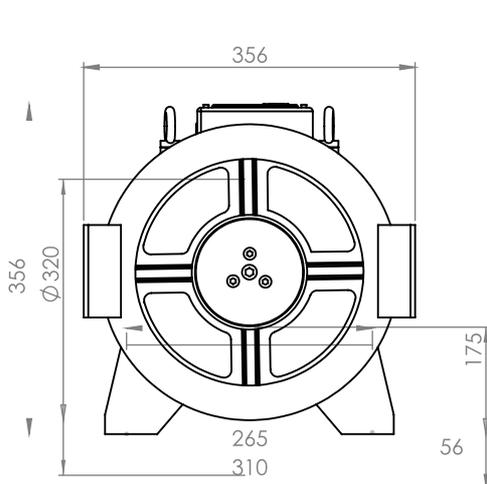
- Lifts upto 408 kg of weight
- Operates on 380v ac three phase
- Manual release for brake provided
- Insulation class F with thermistor for thermal protection

JDE 24P 06 SERIES

Technical Specifications

Voltage : 380 V | Pole : 24 | Duty Cycle : S3 40% | Brake Voltage : 110 VDC | Max. Static Load : 2500 kg

Model No.	Duty Load(kg)	Passenger Capacity	Speed (m/s)	Sheave Dia. (mm)	Ratio of Roping	No. of Ropes	Rope Dia. (mm)	Rated Current (A)	Power (kW)	RPM	Torque (Nm)	Rated Frequency (Hz)	IP Protection	Start / Hr.	Machine Weight (kg) (Approx.)
JDE 24 P 0606 C-320	408	6	1.00	320	2	4	8	8.0	3	120	220	24.0	IP41	180	155
JDE 24 P 0606 D-320	408	6	1.25	320	2	4	8	9.5	3.5	149	220	29.8	IP41	180	155
JDE 24 P 0606 E-320	408	6	1.50	320	2	4	8	10.0	4.2	179	220	35.8	IP41	180	155
JDE 24 P 0606 A-240	408	6	0.50	240	2	4	8	8.0	2	80	220	16.0	IP41	180	155
JDE 24 P 0606 B-240	408	6	0.75	240	2	4	8	8.0	3	120	220	24.0	IP41	180	155
JDE 24 P 0606 C-240	408	6	1.00	240	2	4	8	9.5	3.9	160	220	32.0	IP41	180	155
JDE 24 P 0606 C-190	408	6	0.75	200	2	4	8	9.5	3.3	144	220	28.8	IP41	180	155
JDE 24 P 0606 D-190	408	6	1.00	200	2	4	8	10.0	4.4	191	220	38.2	IP41	180	155





ISO 9001 : 2015 Certified



MONTTM
DRIVE
Lead Innovation

- Outstanding torque
- Capacity up to 544 kg
- Static load up to 3000 kg
- Cantilever design

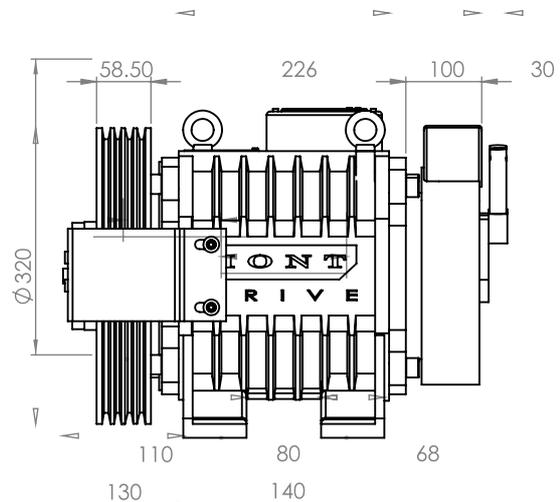
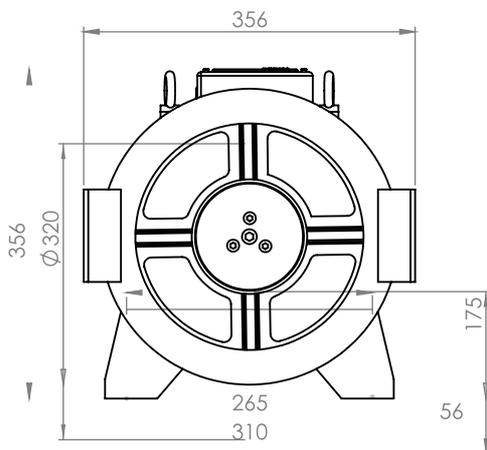


JDE 24P 08 SERIES

Technical Specifications

Voltage : 380 V | Pole : 24 | Duty Cycle : S3 40% | Brake Voltage : 110 VDC | Max. Static Load : 2500 kg

Model No.	Duty Load(kg)	Passenger Capacity	Speed (m/s)	Sheave Dia. (mm)	Ratio of Roping	No. of Ropes	Rope Dia. (mm)	Rated Current (A)	Power (kW)	RPM	Torque (Nm)	Rated Frequency (Hz)	IP Protection	Start / Hr.	Machine Weight (kg) (Approx.)
JDE 24 P 0808 A-320	544	8	0.50	320	2	4	8	8.5	1.8	60	250	12.0	IP41	180	165
JDE 24 P 0808 B-320	544	8	0.75	320	2	4	8	8.5	2.6	90	250	18.0	IP41	180	165
JDE 24 P 0808 C-320	544	8	1.00	320	2	4	8	9.0	3.3	120	250	24.0	IP41	180	165
JDE 24 P 0808 D-320	544	8	1.25	320	2	4	8	10.5	4	149	250	29.8	IP41	180	165
JDE 24 P 0808 E-320	544	8	1.50	320	2	4	8	11.0	4.9	179	250	35.8	IP41	180	165
JDE 24 P 0808 F-320	544	8	1.75	320	2	4	8	11.5	5.6	209	250	41.8	IP41	180	165





ISO 9001 : 2015 Certified



MONTTM
DRIVE
Lead Innovation



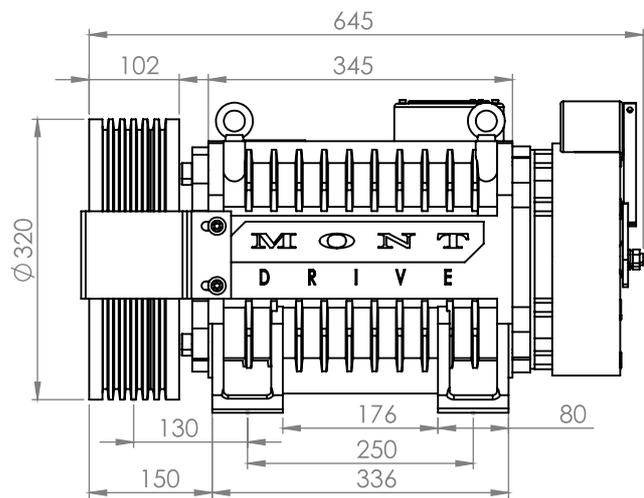
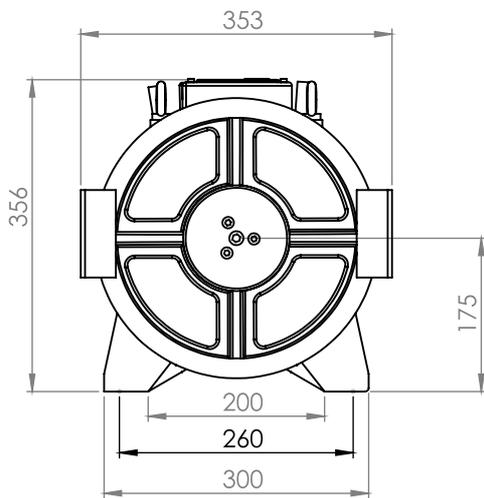
- Torque 345 Nm
- Capacity up to 680 kg
- Static load up to 3000 kg
- Cantilever design

JDE 24P 10 SERIES

Technical Specifications

Voltage : 400 V | Pole : 24 | Duty Cycle : S3 40% | Brake Voltage : 110 VDC | Max. Static Load : 3000 kg

Model No.	Duty Load(kg)	Passenger Capacity	Speed (m/s)	Sheave Dia. (mm)	Ratio of Roping	No. of Ropes	Rope Dia. (mm)	Rated Current (A)	Power (kW)	RPM	Torque (Nm)	Rated Frequency (Hz)	IP Protection	Start / Hr.	Machine Weight (kg) (Approx.)
JDE 24 P 1010 A-320	680	10	0.75	320	2:1	6	8	9.0	3.2	90	345	18	IP41	180	199
JDE 24 P 1010 A-320	680	10	1.00	320	2:1	6	8	11.0	4.2	120	345	24	IP41	180	199
JDE 24 P 1010 A-320	680	10	1.50	320	2:1	6	8	16.0	6.4	179	345	36	IP41	180	199





ISO 9001 : 2015 Certified



MONTTM
DRIVE
Lead Innovation



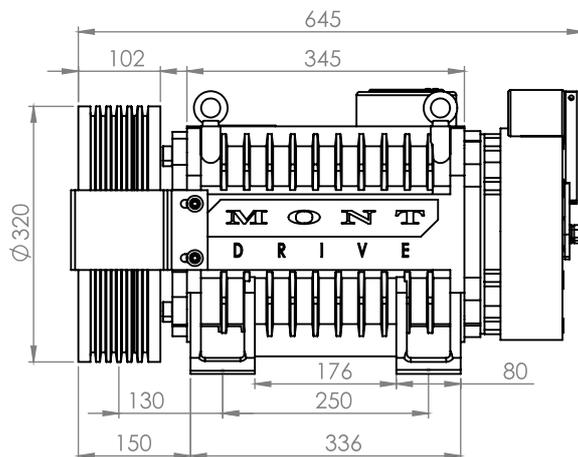
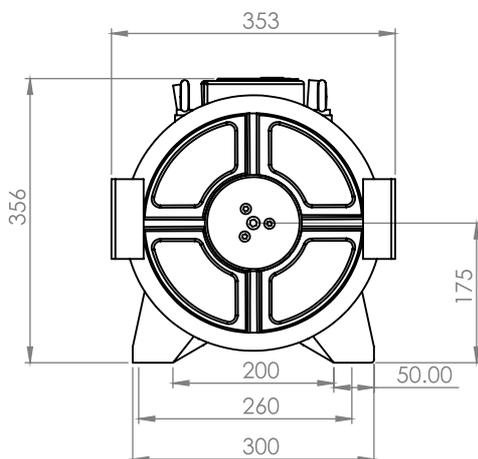
- Torque 435 Nm
- Capacity up to 910 kg
- Static load up to 3500 kg
- Cantilever design

JDE 24P 13 SERIES

Technical Specifications

Voltage : 400 V | Pole : 24 | Duty Cycle : S3 40% | Brake Voltage : 110 VDC | Max. Static Load : 3500 kg

Model No.	Duty Load(kg)	Passenger Capacity	Speed (m/s)	Sheave Dia. (mm)	Ratio of Roping	No. of Ropes	Rope Dia. (mm)	Rated Current (A)	Power (kW)	RPM	Torque (Nm)	Rated Frequency (Hz)	IP Protection	Start / Hr.	Machine Weight (kg) (Approx.)
JDE 24 P 1313 A-320	910	13	1.00	320	2	6	8	15	5.5	120	435	24.0	IP41	180	290
JDE 24 P 1313 A-320	910	13	1.50	320	2	6	8	20	8.1	179	435	35.8	IP41	180	290

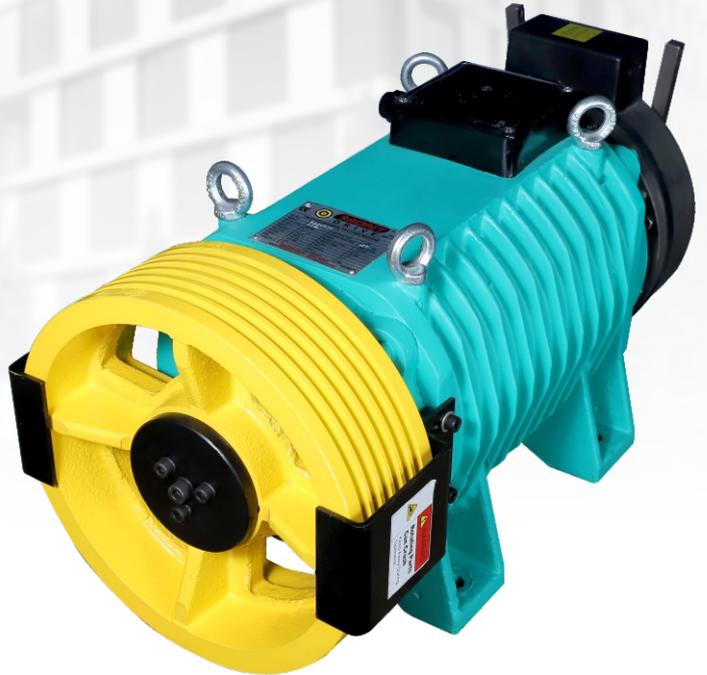




ISO 9001 : 2015 Certified



MONTTM
DRIVE
Lead Innovation



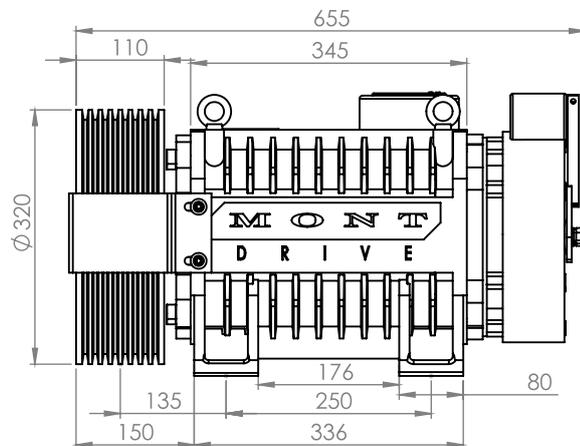
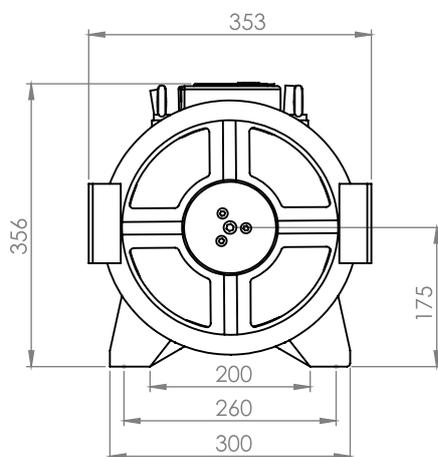
- Torque 630 Nm
- Capacity up to 1050 kg
- Static load up to 3500 kg
- Cantilever design

JDE 24P 15 SERIES

Technical Specifications

Voltage : 400 V | Pole : 24 | Duty Cycle : S3 40% | Brake Voltage : 110 VDC | Max. Static Load : 3500 kg

Model No.	Duty Load(kg)	Passenger Capacity	Speed (m/s)	Sheave Dia. (mm)	Ratio of Roping	No. of Ropes	Rope Dia. (mm)	Rated Current (A)	Power (kW)	RPM	Torque (Nm)	Rated Frequency (Hz)	IP Protection	Start / Hr.	Machine Weight (kg) (Approx.)
JDE 24 P 1313 A-320	1050	15	1.00	320	2	8	8	17	7.6	120	630	24.0	IP41	180	290
JDE 24 P 1313 A-320	1050	15	1.50	320	2	8	8	22	11.5	179	630	35.8	IP41	180	290





ISO 9001 : 2015 Certified



MONTTM
DRIVE
Lead Innovation

CONSTRUCTION DETAILING (MRL Machine) 6 & 8 Passenger

S.No.	PARAMETERS	DESCRIPTION
1	Shaft	EN 8
2	Rotor	Neodium magnet N 40 SH
3	Lamination	CRNO 400 grade
4	Bearing	6216 (DE) / 6214 (NDE)
5	Outer casing (body)	Cast iron
6	Copper	Dual coat
7	Brake Torque	600 NM
8	Brake voltage	110 v dc
9	Encoder	Heidenhain (1387) (2048 PPR)
10	Pulley Grade	25 Grade



PACKING LIST

S.No.	PARAMETERS	Qty.
1	Break releaser	1 Nos.
2	Break Releaser wire	1 Nos.
3	Encoder wire	1 Nos.
4	Three phase wire 4mm cross section	6 mtr.



Break Releaser



Break Releaser Wire



Encoder Wire



Three phase wire

BRAKE SPECIFICATIONS

S.No.	PARAMETERS	DESCRIPTION
1	Rated power	230 watt
2	Duty Type	S5 60%
3	Rated voltage	110v
4	Torque	600NM



Mont Drive

For more information, including the location of the Mont Drive office nearest you, please visit:

New Delhi (India)

www.pmsgen.com

Punjab (India)

www.montdrive.com

Cobbitty (Australia)

www.montdrive.com



ISO 9001 : 2015 CERTIFIED



Mont Drive prints with vegetable-based ink on paper containing post-consumer waste fiber.
© Mont Drive Corporation

We Elevate