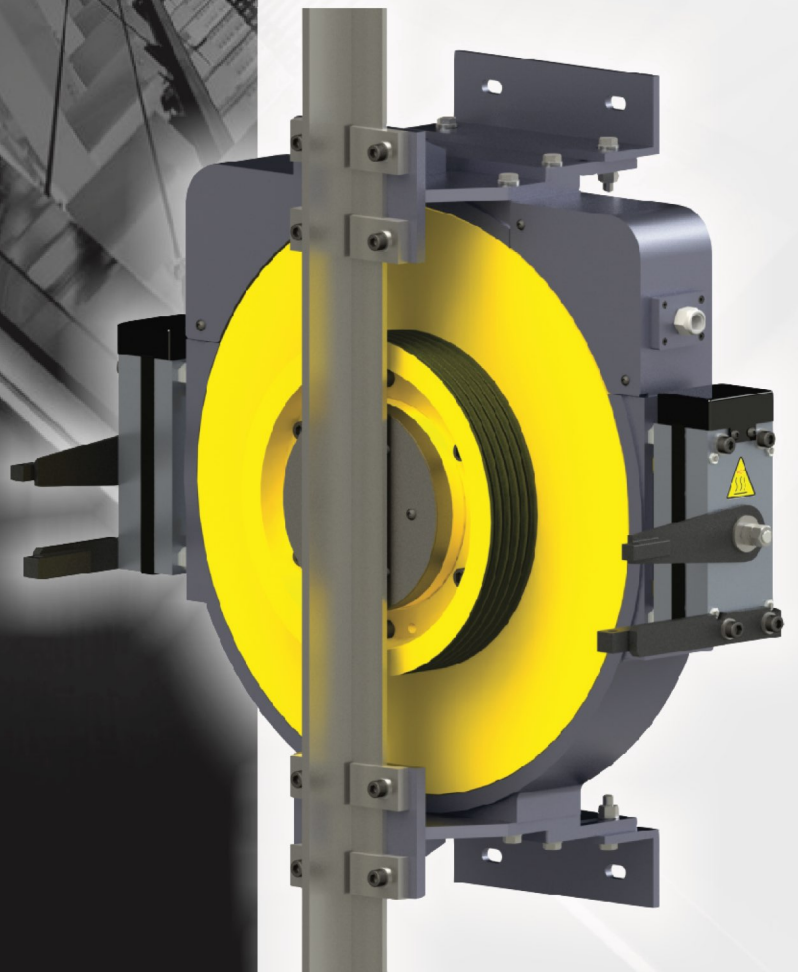


High Efficient Gearless Traction Machine

2022

www.apson.co.in





ABOUT US

APSON is an Indian multinational elevator component manufacturing company. With the vision of developing the safest and premium range of power-efficient elevator traction machines to fulfill the needs of the elevator industry; APSON was established in 2016 by the former promoter Mr. Arvind Panchal of a 60-year-old Indian multinational conglomerate Rabatex Group.

With 30 years of experience in the mechanical and automation industry; APSON signed a non-disclosable joint venture in 2016 for developing and manufacturing elevator traction machines. In 2018; APSON launched their complete range of elevator gearless traction machine as well as became world's first company to offer 4 Year Warranty on it.

APSON is the only company in India to have elevator motors up to 48 poles. Having a capacity range up to 7000 kg and speed up to 12.0 m/s our process of innovation in ultra-high-speed and heavy capacity elevator gearless traction machines is going on.

Under the bright foresight of Mr. Arvind Panchal (Founder – APSON MOTOR (INDIA) PRIVATE LIMITED), the company is achieving the milestones of success in providing highly efficient and qualitative elevator gearless traction machines across the globe.

Another pillar behind the success of APSON is Mr. Hiren Panchal (Managing Director – APSON MOTOR (INDIA) PRIVATE LIMITED) whose productive ideas, execution of business strategies, ways of promoting the adaption of new technology; has brought the revolution in the elevators Industry.

With our expertise in engineering and maintaining quality; we aim to keep the elevator and escalator industry safe and to ensure the safety of all passengers traveling into it.





INFRASTRUCTURE

Spreading over 20,000 square meter area with a total employment of 100+ hands directly or indirectly as well as equipped with state of art manufacturing facilities; APSON have one of the most advance production unit for elevator traction machine in the out skirts of Ahmedabad Metro.

APSON have dedicated assembly line for elevator gearless traction machines having a production capacity of 24,000 motors per annum.

Equipped with advance assembly line and testing facilities, such as automatic stator testing, load testing, over load testing, noise testing and many more; we make sure that we produce the safest products for our end users.

The company has envisaged further major investment for product development up-gradation, renovation and modernization of production and testing facilities as required from time to time.





VISION

Our vision is to provide advance technology products for every segment of industry which can saves the environment with minimum power consumption at affordable cost.



MISSION

Our mission is to convert all end user of elevators geared traction machine in to elevator gearless traction machine for better growth of the industry as well as environment by energy saving.



MANAGEMENT



MR. ARVIND PANCHAL **FOUNDER – APSON MOTOR (INDIA) PRIVATE LIMITED**

Mr. Arvind Panchal is a far-sighted technocrat and investor with 40 years of experience in machinery design and industrial automation. He has gained his expertise in R&D and has successfully developed various types of textile and material handling machinery. He has been awarded with best R&D award in year 2006 by Central Ministry of Textiles for his meaningful contribution in textile industry.

Mr. Arvind Panchal strongly believe that without new innovation you can't survive your business for longer period and for that reason he keep working on new innovations. He learned from his father that "Quality is everyone's responsibility"; and that ideology is the key reason behind success of Mr. Arvind Panchal and companies under him.

After non-disclosable agreement with a foreign scientist for research and development of different types of elevator traction machine; He developed a full range of elevator traction machines with his own experience of development and made APSON the first brand in India to have a full range of elevator motors.

Due to the long term vision of Mr. Arvind Panchal as well as his innovation and quality thinking, today APSON is the most successful brand for elevator motors in India and the only company in the world with a 4 year warranty.

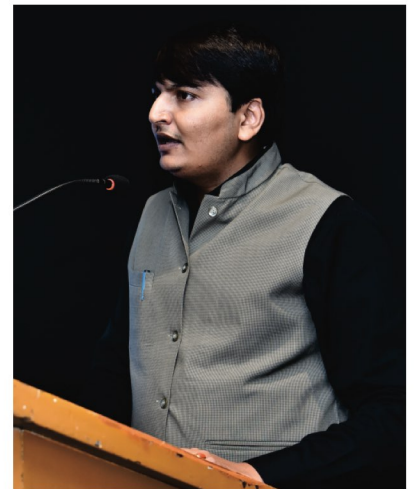
HIREN PANCHAL **MANAGING DIRECTOR – APSON MOTOR (INDIA) PRIVATE LIMITED**

Mr. Hiren Panchal is a mechanical engineer and third generation entrepreneur. He began his professional career in 2012 by working as Sales Executive in a Pharmaceutical Machinery Industry.

In 2013, he joined his 60 year old family business and was appointed as Executive Director for business analysis, research and development as well as International sales. During his tenure as Executive Director; Mr. Hiren Panchal gained his expertise in developing international relationships and promoting advance technology.

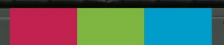
In 2016 with establishment of APSON; Mr. Hiren Panchal was appointed as Managing Director of APSON to execute all business strategies and make it a successful start-up. With help of his experience; Mr. Hiren Panchal executed all business strategies and made APSON as a recognized name in Elevator component industry within sort period of establishment.

His focus on promoting high pole, power saving and long durability of motors helped APSON to reach this position. Due to all his efforts; Mr. Hiren Panchal achieve recognition as one of the youngest entrepreneur in elevator and escalator industry. Apart from APSON; he is also one of Founder of Elevator & Escalator Component Manufacturers' Association of India.





**UALITY
IS OUR
PASSION**





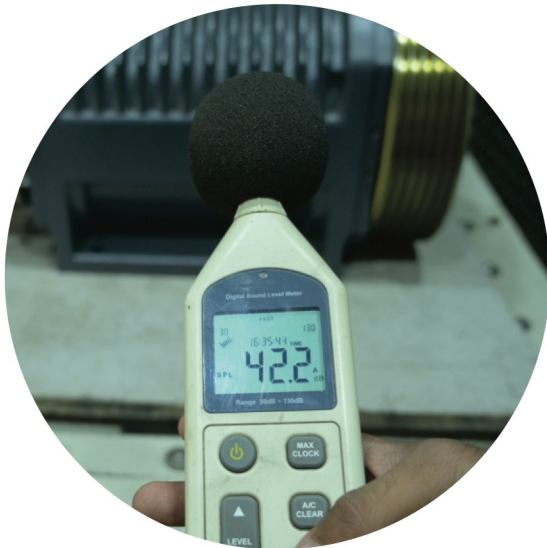
UR
PASSION
DRIVES OUR
BUSINESS





Production and Quality Control Facilities





Noise proof room
for noise test of PMSM



Dust proof room
for assembly of PMSM



CNC
turning center



CNC vertical
milling center



CNC horizontal
machining center



Automatic coil
winding machine

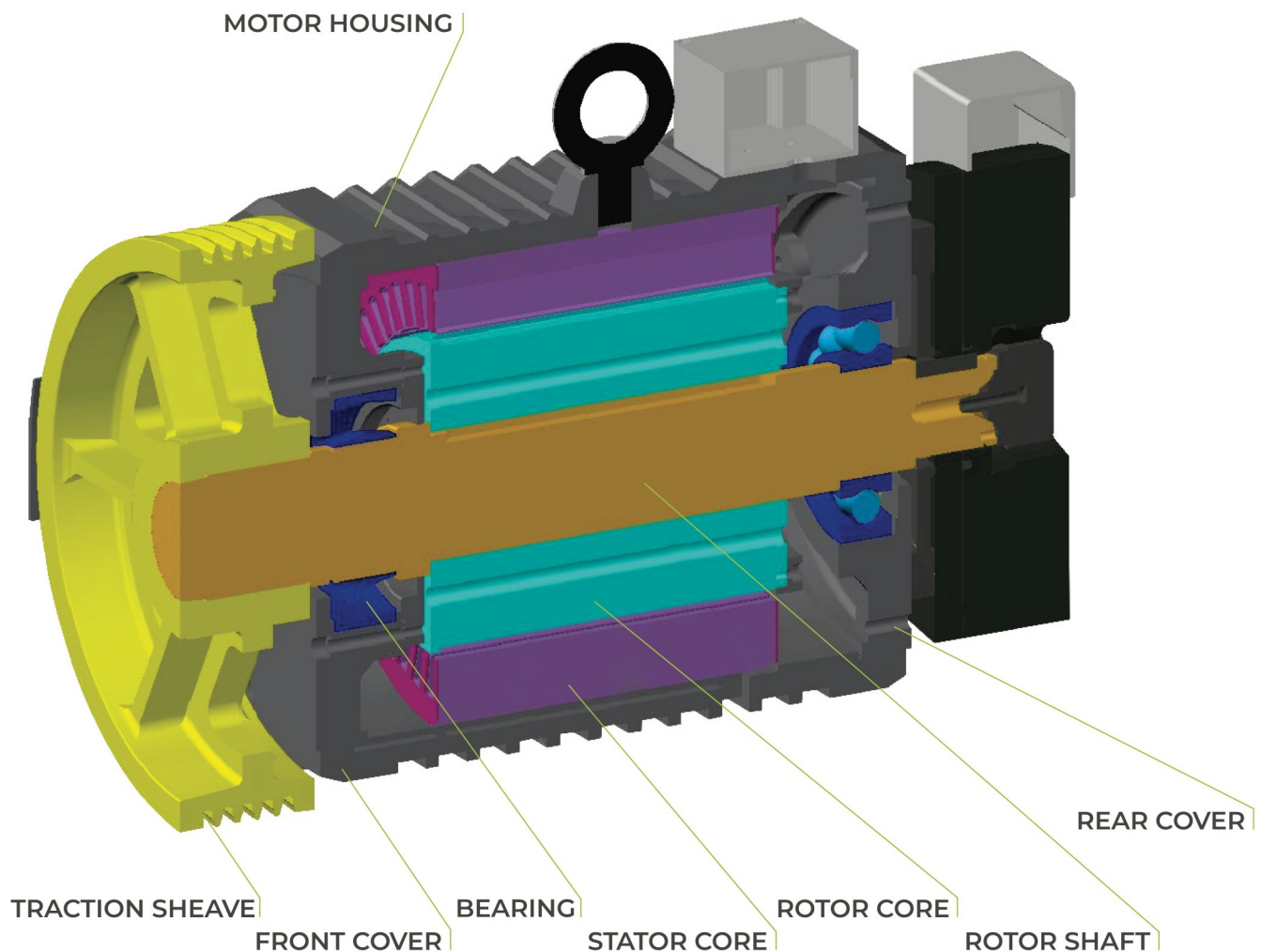


On-load
PMSM testing



On-load
PMSM analysis





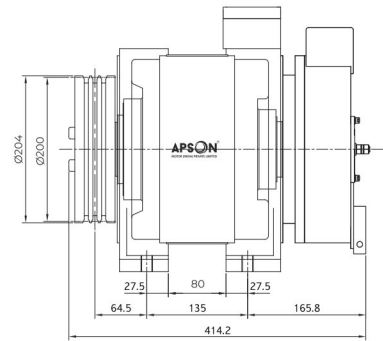
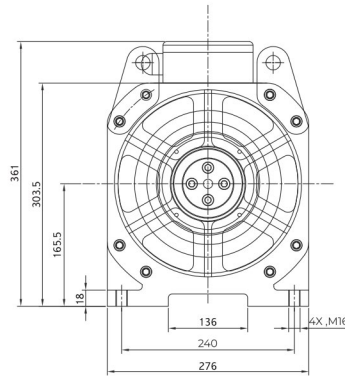
INNER ROTOR GEARLESS TRACTION MACHINE

Inner rotor gearless traction machines are more suitable for machine room less application. It has a larger shaft load area compared to outer rotor machine which is more suitable for higher static load of the machine. Due to the inner rotor technology, the rotating part of the motor which is known as rotor is connected to the shaft and the stator of the motor is placed near to the motor housing which causes low heating as well as higher stability of the machine.

In inner rotor elevator gearless traction machine, electromagnetic plate / disc brake is being used, which operates with lowest air gap as well as lowest operating noise.



ES SERIES



ECO STRONG PERMANENT MAGNET SYNCHRONOUS ELEVATOR GEARLESS TRACTION MACHINE

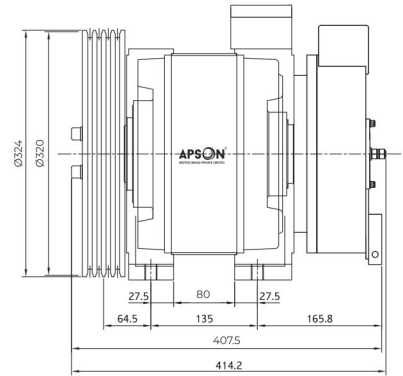
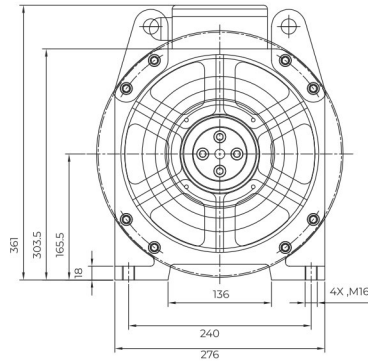
ROPING	2:1	STATIC LOAD	1500 kg
BALANCING	50%	MACHINE WEIGHT	130 kg*
DUTY	S5-40%	BRAKE VOLTAGE	DC110V
STARTS / HOUR	180 ST/H	INSULATION CLASS	F
GROOVE TYPE	UNDER CUT "U"	GROOVE β°	90°
IP PROTECTION	IP41	GROOVE γ°	30°
POLE	24	WARRANTY	2 YEAR*

SPECIFICATION SHEET

MODEL	RATED VOLTAGE	CAPACITY	CABIN SPEED	RATED OUTPUT POWER	RATED CURRENT	RATED SPEED	FREQ.	SHEAVE DIA.	TORQUE	SHEAVE DETAILS
	V	kg	m/s	kW	A	rpm	Hz	mm	N.m.	
ES272	AC220V	272	0.40	0.70	6	76	15.3	Ø200	100	3 X Ø8 X 12
ES272	AC220V	272	0.50	0.90	6	95	19.1	Ø200	100	3 X Ø8 X 12
ES272	AC220V	272	1.00	1.80	10	191	38.2	Ø200	100	3 X Ø8 X 12
ES272	AC380V	272	0.40	0.70	3	76	15.3	Ø200	100	3 X Ø8 X 12
ES272	AC380V	272	0.50	0.90	3	95	19.1	Ø200	100	3 X Ø8 X 12
ES272	AC380V	272	1.00	1.80	6	191	38.2	Ø200	100	3 X Ø8 X 12



ES SERIES



ECO STRONG PERMANENT MAGNET SYNCHRONOUS ELEVATOR GEARLESS TRACTION MACHINE

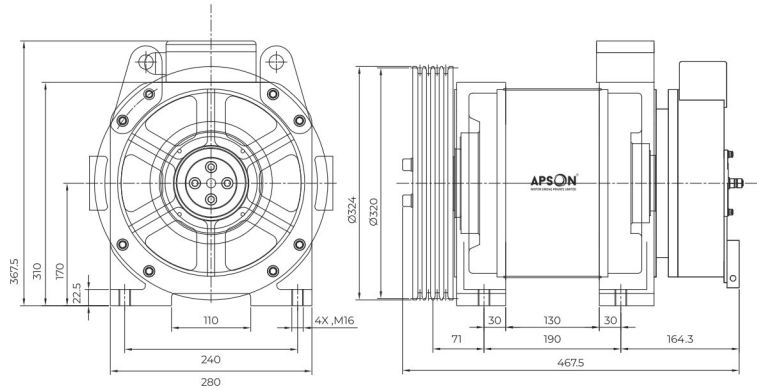
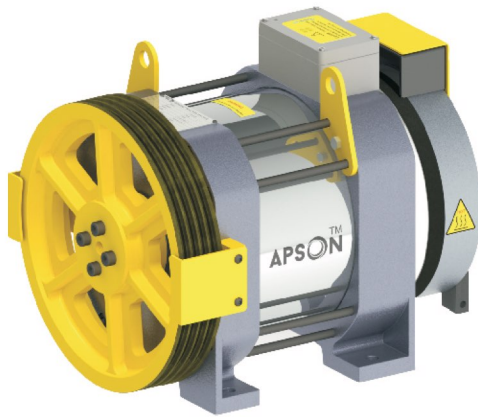
ROPING	2:1	STATIC LOAD	1500 kg
BALANCING	50%	MACHINE WEIGHT	130 kg*
DUTY	S5-40%	BRAKE VOLTAGE	DC110V
STARTS / HOUR	180 ST/H	INSULATION CLASS	F
GROOVE TYPE	UNDER CUT "U"	GROOVE β°	90°
IP PROTECTION	IP41	GROOVE γ°	30°
POLE	24	WARRANTY	2 YEAR*

SPECIFICATION SHEET

MODEL	RATED VOLTAGE	CAPACITY	CABIN SPEED	RATED OUTPUT POWER	RATED CURRENT	RATED SPEED	FREQ.	SHEAVE DIA.	TORQUE	SHEAVE DETAILS
	V	kg	m/s	kW	A	rpm	Hz	mm	N.m.	
ES408	AC220V	408	0.50	1.20	7	95	19.1	Ø200	122	4 X Ø8 X 12
ES408	AC220V	408	1.00	2.40	13	191	38.2	Ø200	122	4 X Ø8 X 12
ES408	AC220V	408	0.50	1.20	7	80	15.9	Ø240	147	4 X Ø8 X 12
ES408	AC220V	408	1.00	2.40	13	159	31.8	Ø240	147	4 X Ø8 X 12
ES408	AC220V	408	0.50	1.20	7	60	11.9	Ø320	196	4 X Ø8 X 12
ES408	AC220V	408	1.00	2.40	13	119	23.8	Ø320	196	4 X Ø8 X 12
ES408	AC380V	408	0.50	1.20	4	95	19.1	Ø200	122	4 X Ø8 X 12
ES408	AC380V	408	1.00	2.40	8	191	38.2	Ø200	122	4 X Ø8 X 12
ES408	AC380V	408	1.25	2.90	8	239	47.7	Ø200	122	4 X Ø8 X 12
ES408	AC380V	408	1.50	3.50	9	286	57.3	Ø200	122	4 X Ø8 X 12
ES408	AC380V	408	0.50	1.20	4	80	15.9	Ø240	147	4 X Ø8 X 12
ES408	AC380V	408	1.00	2.40	8	159	31.8	Ø240	147	4 X Ø8 X 12
ES408	AC380V	408	1.25	2.90	8	199	39.8	Ø240	147	4 X Ø8 X 12
ES408	AC380V	408	1.50	3.50	9	239	47.7	Ø240	147	4 X Ø8 X 12
ES408	AC380V	408	0.50	1.20	4	60	11.9	Ø320	196	4 X Ø8 X 12
ES408	AC380V	408	1.00	2.40	8	119	23.8	Ø320	196	4 X Ø8 X 12
ES408	AC380V	408	1.25	2.90	8	149	29.8	Ø320	196	4 X Ø8 X 12
ES408	AC380V	408	1.50	3.50	9	179	35.8	Ø320	196	4 X Ø8 X 12



ES SERIES



ECO STRONG PERMANENT MAGNET SYNCHRONOUS ELEVATOR GEARLESS TRACTION MACHINE

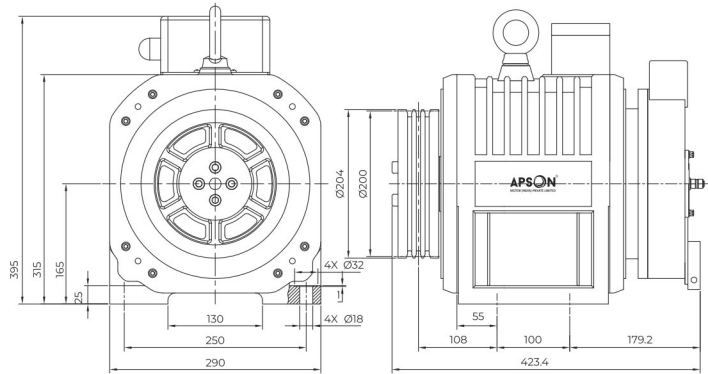
ROPING	2:1	STATIC LOAD	2000 kg
BALANCING	50%	MACHINE WEIGHT	160 kg*
DUTY	S5-40%	BRAKE VOLTAGE	DC110V
STARTS / HOUR	180 ST/H	INSULATION CLASS	F
GROOVE TYPE	UNDER CUT "U"	GROOVE β°	90°
IP PROTECTION	IP41	GROOVE γ°	30°
POLE	24	WARRANTY	2 YEAR*

SPECIFICATION SHEET

MODEL	RATED VOLTAGE	CAPACITY	CABIN SPEED	RATED OUTPUT POWER	RATED CURRENT	RATED SPEED	FREQ.	SHEAVE DIA.	TORQUE	SHEAVE DETAILS
	V	kg	m/s	kW	A	rpm	Hz	m.m.	N.m.	
ES544	AC380V	544	0.50	2.00	7.0	80	15.9	Ø240	218	4 X Ø8 X 12
ES544	AC380V	544	1.00	3.70	9.0	159	31.8	Ø240	218	4 X Ø8 X 12
ES544	AC380V	544	1.25	4.50	13.0	199	39.8	Ø240	218	4 X Ø8 X 12
ES544	AC380V	544	1.50	5.60	13.0	239	47.7	Ø240	218	4 X Ø8 X 12
ES544	AC380V	544	0.50	2.00	7.0	60	11.9	Ø320	300	4 X Ø8 X 12
ES544	AC380V	544	1.00	3.70	9.0	119	23.8	Ø320	300	4 X Ø8 X 12
ES544	AC380V	544	1.25	4.50	13.0	149	29.8	Ø320	300	4 X Ø8 X 12
ES544	AC380V	544	1.50	5.60	13.0	179	35.8	Ø320	300	4 X Ø8 X 12



IR SERIES



INNER ROTOR PERMANENT MAGNET SYNCHRONOUS ELEVATOR GEARLESS TRACTION MACHINE

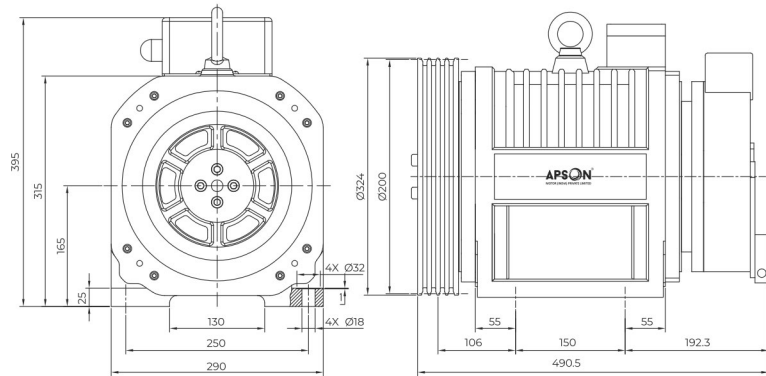
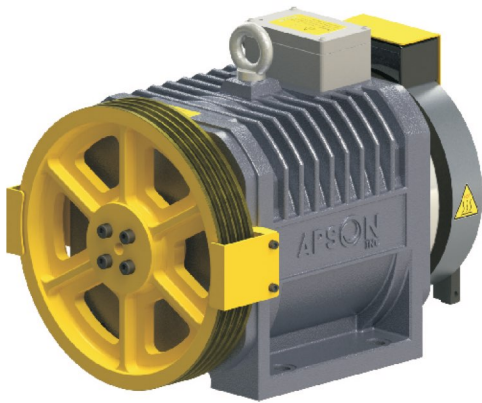
ROPING	2:1	STATIC LOAD	3000 kg
BALANCING	50%	MACHINE WEIGHT	150 kg*
DUTY	S5-40%	BRAKE VOLTAGE	DC110V
STARTS / HOUR	240 ST/H	INSULATION CLASS	H
GROOVE TYPE	UNDER CUT "U"	GROOVE β°	90°
IP PROTECTION	IP41	GROOVE γ°	30°
POLE	24	WARRANTY	4 YEAR*

SPECIFICATION SHEET

MODEL	RATED VOLTAGE	CAPACITY	CABIN SPEED	RATED OUTPUT POWER	RATED CURRENT	RATED SPEED	FREQ.	SHEAVE DIA.	TORQUE	SHEAVE DETAILS
	V	kg	m/s	kW	A	rpm	Hz	m.m.	N.m.	
IR300	AC220V	300	0.40	0.80	6	76	15.3	Ø200	100	3 X Ø8 X 12
IR300	AC220V	300	0.50	1.00	6	95	19.1	Ø200	100	3 X Ø8 X 12
IR300	AC220V	300	1.00	2.00	10	191	38.2	Ø200	100	3 X Ø8 X 12
IR300	AC380V	300	0.40	0.80	3	76	15.3	Ø200	100	3 X Ø8 X 12
IR300	AC380V	300	0.50	1.00	3	95	19.1	Ø200	100	3 X Ø8 X 12
IR300	AC380V	300	1.00	2.00	6	191	38.2	Ø200	100	3 X Ø8 X 12



IR SERIES



INNER ROTOR PERMANENT MAGNET SYNCHRONOUS ELEVATOR GEARLESS TRACTION MACHINE

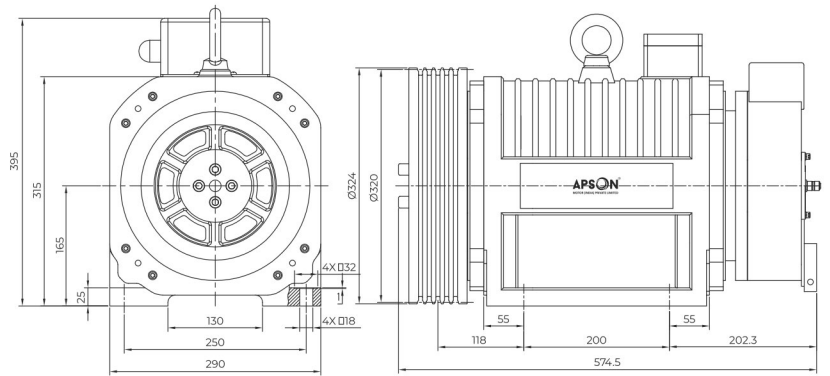
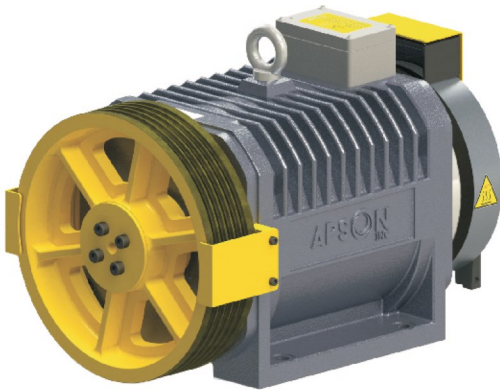
ROPING	2:1	STATIC LOAD	3000 kg
BALANCING	50%	MACHINE WEIGHT	190 kg*
DUTY	S5-40%	BRAKE VOLTAGE	DC110V
STARTS / HOUR	240 ST/H	INSULATION CLASS	H
GROOVE TYPE	UNDER CUT "U"	GROOVE β°	90°
IP PROTECTION	IP41	GROOVE γ°	30°
POLE	24	WARRANTY	4 YEAR*

SPECIFICATION SHEET

MODEL	RATED VOLTAGE	CAPACITY	CABIN SPEED	RATED OUTPUT POWER	RATED CURRENT	RATED SPEED	FREQ.	SHEAVE DIA.	TORQUE	SHEAVE DETAILS
	V	kg	m/s	kW	A	rpm	Hz	mm	N.m.	
IR450	AC380V	450	0.50	1.50	5	80	15.9	Ø240	180	4 X Ø8 X 12
IR450	AC380V	450	1.00	3.00	8	159	31.8	Ø240	180	4 X Ø8 X 12
IR450	AC380V	450	1.25	3.80	10	199	39.8	Ø240	180	4 X Ø8 X 12
IR450	AC380V	450	1.50	4.50	10	239	47.7	Ø240	180	4 X Ø8 X 12
IR450	AC380V	450	0.50	1.50	5	60	11.9	Ø320	240	4 X Ø8 X 12
IR450	AC380V	450	1.00	3.00	8	119	23.8	Ø320	240	4 X Ø8 X 12
IR450	AC380V	450	1.25	3.80	10	149	29.8	Ø320	240	4 X Ø8 X 12
IR450	AC380V	450	1.50	4.50	10	179	35.8	Ø320	240	4 X Ø8 X 12
IR544	AC380V	544	0.50	2.00	7	80	15.9	Ø240	218	4 X Ø8 X 12
IR544	AC380V	544	1.00	3.70	9	159	31.8	Ø240	218	4 X Ø8 X 12
IR544	AC380V	544	1.25	4.50	13	199	39.8	Ø240	218	4 X Ø8 X 12
IR544	AC380V	544	1.50	5.60	13	239	47.7	Ø240	218	4 X Ø8 X 12
IR544	AC380V	544	0.50	2.00	7	60	11.9	Ø320	300	4 X Ø8 X 12
IR544	AC380V	544	1.00	3.70	9	119	23.8	Ø320	300	4 X Ø8 X 12
IR544	AC380V	544	1.25	4.50	13	149	29.8	Ø320	300	4 X Ø8 X 12
IR544	AC380V	544	1.50	5.60	13	179	35.8	Ø320	300	4 X Ø8 X 12



IR SERIES



INNER ROTOR PERMANENT MAGNET SYNCHRONOUS ELEVATOR GEARLESS TRACTION MACHINE

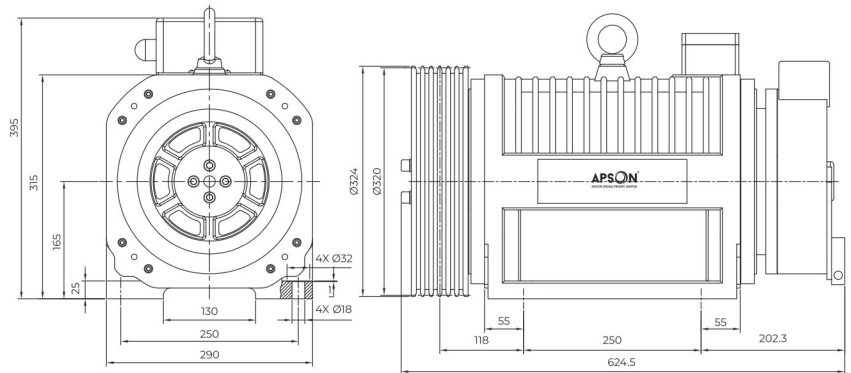
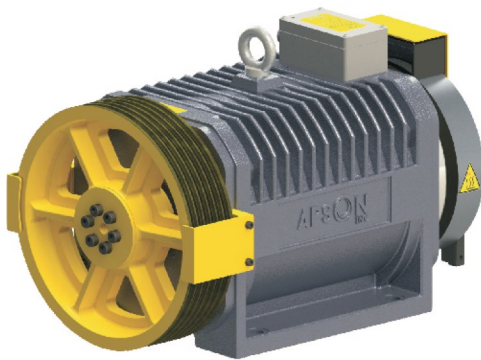
ROPING	2:1	STATIC LOAD	3000 kg
BALANCING	50%	MACHINE WEIGHT	225 kg*
DUTY	S5-40%	BRAKE VOLTAGE	DC110V
STARTS / HOUR	240 ST/H	INSULATION CLASS	H
GROOVE TYPE	UNDER CUT "U"	GROOVE β°	90°
IP PROTECTION	IP41	GROOVE γ°	30°
POLE	24	WARRANTY	4 YEAR*

SPECIFICATION SHEET

MODEL	RATED VOLTAGE	CAPACITY	CABIN SPEED	RATED OUTPUT POWER	RATED CURRENT	RATED SPEED	FREQ.	SHEAVE DIA.	TORQUE	SHEAVE DETAILS
	V	kg	m/s	kW	A	rpm	Hz	mm	N.m.	
IR630	AC380V	630	0.50	2.10	7	60	11.9	Ø320	336	5 X Ø8 X 12
IR630	AC380V	630	1.00	4.20	14	119	23.8	Ø320	336	5 X Ø8 X 12
IR630	AC380V	630	1.25	5.30	14	149	29.8	Ø320	336	5 X Ø8 X 12
IR630	AC380V	630	1.50	6.30	19	179	35.8	Ø320	336	5 X Ø8 X 12
IR630	AC380V	630	1.75	7.40	19	209	41.7	Ø320	336	5 X Ø8 X 12
IR630	AC380V	630	2.00	8.40	22	239	47.7	Ø320	336	5 X Ø8 X 12
IR680	AC380V	680	0.50	2.30	7	60	11.9	Ø320	363	5 X Ø8 X 12
IR680	AC380V	680	1.00	4.50	14	119	23.8	Ø320	363	5 X Ø8 X 12
IR680	AC380V	680	1.25	5.70	14	149	29.8	Ø320	363	5 X Ø8 X 12
IR680	AC380V	680	1.50	6.80	19	179	35.8	Ø320	363	5 X Ø8 X 12
IR680	AC380V	680	1.75	7.90	19	209	41.7	Ø320	363	5 X Ø8 X 12
IR680	AC380V	680	2.00	9.10	22	239	47.7	Ø320	363	5 X Ø8 X 12



IR SERIES



INNER ROTOR PERMANENT MAGNET SYNCHRONOUS ELEVATOR GEARLESS TRACTION MACHINE

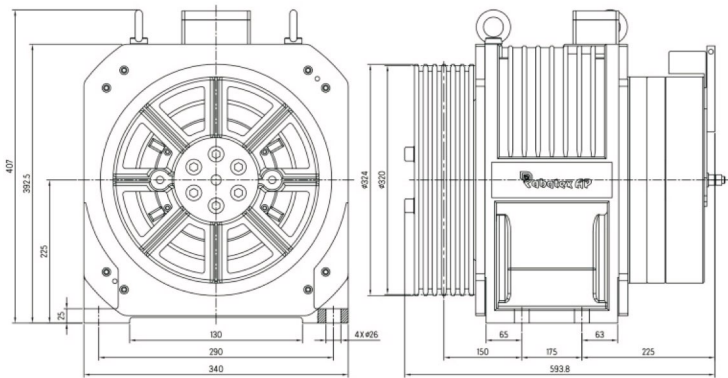
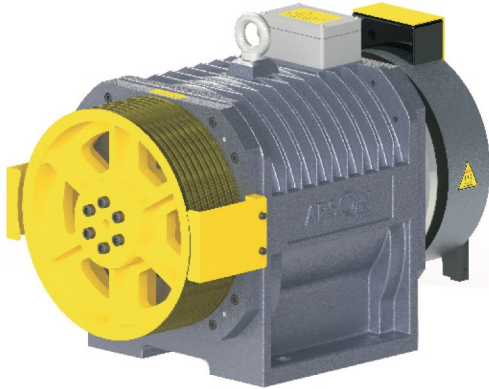
ROPING	2:1	STATIC LOAD	3000 kg
BALANCING	50%	MACHINE WEIGHT	250 kg*
DUTY	S5-40%	BRAKE VOLTAGE	DC110V
STARTS / HOUR	240 ST/H	INSULATION CLASS	H
GROOVE TYPE	UNDER CUT "U"	GROOVE β°	90°
IP PROTECTION	IP41	GROOVE γ°	30°
POLE	24	WARRANTY	4 YEAR*

SPECIFICATION SHEET

MODEL	RATED VOLTAGE	CAPACITY	CABIN SPEED	RATED OUTPUT POWER	RATED CURRENT	RATED SPEED	FREQ.	SHEAVE DIA.	TORQUE	SHEAVE DETAILS
	V	kg	m/s	kW	A	rpm	Hz	mm	N.m.	
IR750	AC380V	750	0.50	2.20	6	60	11.9	Ø320	360	6 X Ø8 X 12
IR750	AC380V	750	1.00	4.50	11	119	23.8	Ø320	360	6 X Ø8 X 12
IR750	AC380V	750	1.25	5.60	11	149	29.8	Ø320	360	6 X Ø8 X 12
IR750	AC380V	750	1.50	6.70	17	179	35.8	Ø320	360	6 X Ø8 X 12
IR750	AC380V	750	1.75	7.90	17	209	41.7	Ø320	360	6 X Ø8 X 12
IR750	AC380V	750	2.00	9.00	22	239	47.7	Ø320	360	6 X Ø8 X 12
IR800	AC380V	800	0.50	2.40	6	60	11.9	Ø320	384	6 X Ø8 X 12
IR800	AC380V	800	1.00	4.80	12	119	23.8	Ø320	384	6 X Ø8 X 12
IR800	AC380V	800	1.25	6.00	12	149	29.8	Ø320	384	6 X Ø8 X 12
IR800	AC380V	800	1.50	7.20	18	179	35.8	Ø320	384	6 X Ø8 X 12
IR800	AC380V	800	1.75	8.40	18	209	41.7	Ø320	384	6 X Ø8 X 12
IR800	AC380V	800	2.00	9.60	24	239	47.7	Ø320	384	6 X Ø8 X 12
IR884	AC380V	884	0.50	2.60	8	60	11.9	Ø320	424	6 X Ø8 X 12
IR884	AC380V	884	1.00	5.30	16	119	23.8	Ø320	424	6 X Ø8 X 12
IR884	AC380V	884	1.25	6.60	16	149	29.8	Ø320	424	6 X Ø8 X 12
IR884	AC380V	884	1.50	7.90	21	179	35.8	Ø320	424	6 X Ø8 X 12
IR884	AC380V	884	1.75	9.30	21	209	41.7	Ø320	424	6 X Ø8 X 12
IR884	AC380V	884	2.00	10.6	24	239	47.7	Ø320	424	6 X Ø8 X 12



IR SERIES



INNER ROTOR PERMANENT MAGNET SYNCHRONOUS ELEVATOR GEARLESS TRACTION MACHINE

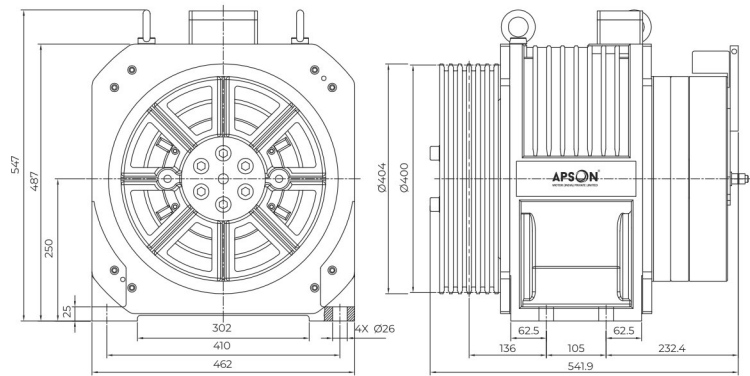
ROPING	2:1	STATIC LOAD	4000 kg
BALANCING	50%	MACHINE WEIGHT	300 kg*
DUTY	S5-40%	BRAKE VOLTAGE	DC110V
STARTS / HOUR	240 ST/H	INSULATION CLASS	H
GROOVE TYPE	UNDER CUT "U"	GROOVE β°	90°
IP PROTECTION	IP41	GROOVE γ°	30°
POLE	24	WARRANTY	4 YEAR*

SPECIFICATION SHEET

MODEL	RATED VOLTAGE	CAPACITY	CABIN SPEED	RATED OUTPUT POWER	RATED CURRENT	RATED SPEED	FREQ.	SHEAVE DIA.	TORQUE	SHEAVE DETAILS
	V	kg	m/s	kW	A	rpm	Hz	mm	N.m.	
IR1088-IN	AC380V	1088	0.50	3.30	8	60	11.9	Ø320	522	7 X Ø8 X 12
IR1088-IN	AC380V	1088	1.00	6.50	19	119	23.9	Ø320	522	7 X Ø8 X 12
IR1088-IN	AC380V	1088	1.25	8.20	19	149	29.8	Ø320	522	7 X Ø8 X 12
IR1088-IN	AC380V	1088	1.50	9.80	27	179	35.8	Ø320	522	7 X Ø8 X 12
IR1088-IN	AC380V	1088	1.75	11.4	27	209	41.8	Ø320	522	7 X Ø8 X 12
IR1088-IN	AC380V	1088	2.00	13.0	31	239	47.7	Ø320	522	7 X Ø8 X 12
IR1088-IN	AC380V	1088	2.50	16.3	39	298	59.7	Ø320	522	7 X Ø8 X 12
IR1088-IN	AC380V	1088	0.50	3.30	8	48	9.5	Ø400	652	6 X Ø10 X 16
IR1088-IN	AC380V	1088	1.00	6.50	19	95	19.1	Ø400	652	6 X Ø10 X 16
IR1088-IN	AC380V	1088	1.25	8.20	19	119	23.9	Ø400	652	6 X Ø10 X 16
IR1088-IN	AC380V	1088	1.50	9.80	27	143	28.6	Ø400	652	6 X Ø10 X 16
IR1088-IN	AC380V	1088	1.75	11.4	27	167	33.4	Ø400	652	6 X Ø10 X 16
IR1088-IN	AC380V	1088	2.00	13.0	31	191	38.2	Ø400	652	6 X Ø10 X 16
IR1088-IN	AC380V	1088	2.50	16.3	39	239	47.7	Ø400	652	6 X Ø10 X 16



IR SERIES



INNER ROTOR PERMANENT MAGNET SYNCHRONOUS ELEVATOR GEARLESS TRACTION MACHINE

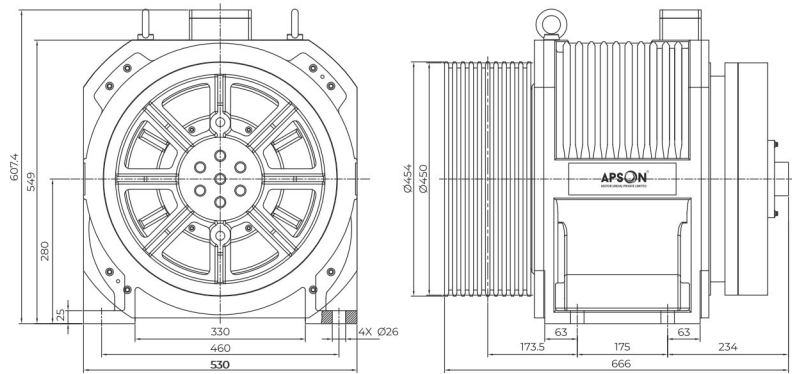
ROPING	2:1	STATIC LOAD	4000 kg
BALANCING	50%	MACHINE WEIGHT	450 kg*
DUTY	S5-40%	BRAKE VOLTAGE	DC110V
STARTS / HOUR	240 ST/H	INSULATION CLASS	H
GROOVE TYPE	UNDER CUT "U"	GROOVE β°	90°
IP PROTECTION	IP41	GROOVE γ°	30°
POLE	32	WARRANTY	4 YEAR*

SPECIFICATION SHEET

MODEL	RATED VOLTAGE	CAPACITY	CABIN SPEED	RATED OUTPUT POWER	RATED CURRENT	RATED SPEED	FREQ.	SHEAVE DIA.	TORQUE	SHEAVE DETAILS
	V	kg	m/s	kW	A	rpm	Hz	mm	N.m.	
IR975	AC380V	975	1.00	6.50	18	95	25.5	Ø400	650	6 X Ø10 X 16
IR975	AC380V	975	1.25	8.10	18	119	31.8	Ø400	650	6 X Ø10 X 16
IR975	AC380V	975	1.50	9.80	24	143	38.2	Ø400	650	6 X Ø10 X 16
IR975	AC380V	975	1.75	11.4	24	167	44.6	Ø400	650	6 X Ø10 X 16
IR975	AC380V	975	2.00	13.0	28	191	50.9	Ø400	650	6 X Ø10 X 16
IR975	AC380V	975	2.50	16.3	35	239	63.7	Ø400	650	6 X Ø10 X 16
IR1200	AC380V	1200	1.00	8.00	22	95	25.5	Ø400	800	6 X Ø10 X 16
IR1200	AC380V	1200	1.25	10.0	22	119	31.8	Ø400	800	6 X Ø10 X 16
IR1200	AC380V	1200	1.50	12.0	30	143	38.2	Ø400	800	6 X Ø10 X 16
IR1200	AC380V	1200	1.75	14.0	30	167	44.6	Ø400	800	6 X Ø10 X 16
IR1200	AC380V	1200	2.00	16.0	34	191	50.9	Ø400	800	6 X Ø10 X 16
IR1200	AC380V	1200	2.50	20.0	43	239	63.7	Ø400	800	6 X Ø10 X 16



IR SERIES



INNER ROTOR PERMANENT MAGNET SYNCHRONOUS ELEVATOR GEARLESS TRACTION MACHINE

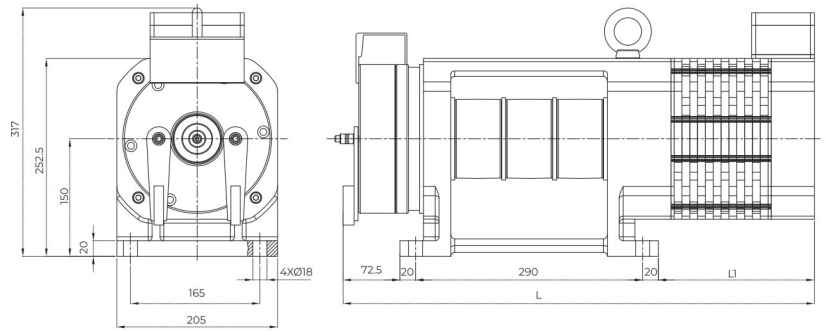
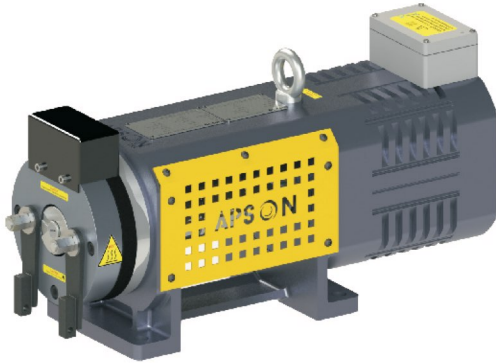
ROPING	2:1	STATIC LOAD	6000 kg
BALANCING	50%	MACHINE WEIGHT	600 kg*
DUTY	S5-40%	BRAKE VOLTAGE	DC110V
STARTS / HOUR	240 ST/H	INSULATION CLASS	H
GROOVE TYPE	UNDER CUT "U"	GROOVE β°	90°
IP PROTECTION	IP41	GROOVE γ°	30°
POLE	32	WARRANTY	4 YEAR*

SPECIFICATION SHEET

MODEL	RATED VOLTAGE	CAPACITY	CABIN SPEED	RATED OUTPUT POWER	RATED CURRENT	RATED SPEED	FREQ.	SHEAVE DIA.	TORQUE	SHEAVE DETAILS
	V	kg	m/s	kW	A	rpm	Hz	mm	N.m.	
IR1500	AC380V	1500	1.00	9.80	25	85	22.6	Ø450	1103	8 X Ø10 X 16
IR1500	AC380V	1500	1.25	12.3	25	106	28.3	Ø450	1103	8 X Ø10 X 16
IR1500	AC380V	1500	1.50	14.7	34	127	34.0	Ø450	1103	8 X Ø10 X 16
IR1500	AC380V	1500	1.75	17.2	34	149	39.6	Ø450	1103	8 X Ø10 X 16
IR1500	AC380V	1500	2.00	19.6	40	170	45.3	Ø450	1103	8 X Ø10 X 16
IR1500	AC380V	1500	2.50	24.5	51	212	56.6	Ø450	1103	8 X Ø10 X 16
IR2175	AC380V	2175	1.00	14.2	36	85	22.6	Ø450	1600	8 X Ø10 X 16
IR2175	AC380V	2175	1.25	17.8	36	106	28.3	Ø450	1600	8 X Ø10 X 16
IR2175	AC380V	2175	1.50	21.3	50	127	34.0	Ø450	1600	8 X Ø10 X 16
IR2175	AC380V	2175	1.75	24.9	50	149	39.6	Ø450	1600	8 X Ø10 X 16
IR2175	AC380V	2175	2.00	28.5	58	170	45.3	Ø450	1600	8 X Ø10 X 16
IR2175	AC380V	2175	2.50	35.6	74	212	56.6	Ø450	1600	8 X Ø10 X 16



BD SERIES



BELT DRIVE PERMANENT MAGNET SYNCHRONOUS ELEVATOR GEARLESS TRACTION MACHINE

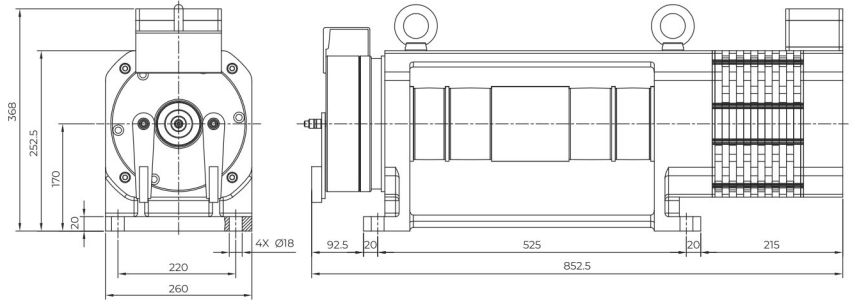
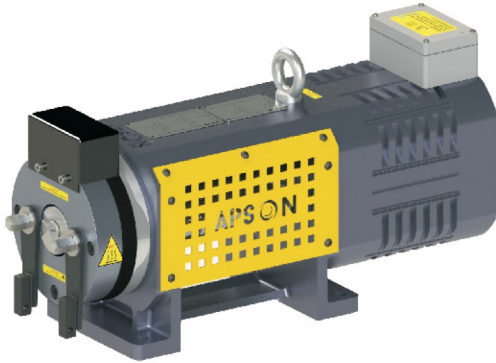
ROPING	2:1	STATIC LOAD	2000 kg
BALANCING	50%	MACHINE WEIGHT	110 kg*
DUTY	S5-40%	BRAKE VOLTAGE	DC110V
STARTS / HOUR	180 ST/H	INSULATION CLASS	H
GROOVE TYPE	FLAT	GROOVE β°	N/A
IP PROTECTION	IP41	GROOVE γ°	N/A
POLE	10	WARRANTY	4 YEAR*

SPECIFICATION SHEET

MODEL	RATED VOLTAGE	CAPACITY	CABIN SPEED	RATED OUTPUT POWER	RATED CURRENT	RATED SPEED	FREQ.	SHEAVE DIA.	TORQUE	BELT	L	L1
	V	kg	m/s	kW	A	rpm	Hz	mm	N.m.		mm	mm
BD450	AC380V	450	0.40	1.20	4	153	12.7	Ø100	75	3 X 60MM	532.5	100
BD450	AC380V	450	0.50	1.50	4	191	15.9	Ø100	75	3 X 60MM	532.5	100
BD450	AC380V	450	1.00	3.00	8	382	31.8	Ø100	75	3 X 60MM	532.5	100
BD600	AC380V	600	0.40	1.60	6	153	12.7	Ø100	100	3 X 60MM	582.5	150
BD600	AC380V	600	0.50	2.00	6	191	15.9	Ø100	100	3 X 60MM	582.5	150
Bd600	AC380V	600	1.00	4.00	10	382	31.8	Ø100	100	3 X 60MM	582.5	150



BD SERIES



BELT DRIVE PERMANENT MAGNET SYNCHRONOUS ELEVATOR GEARLESS TRACTION MACHINE

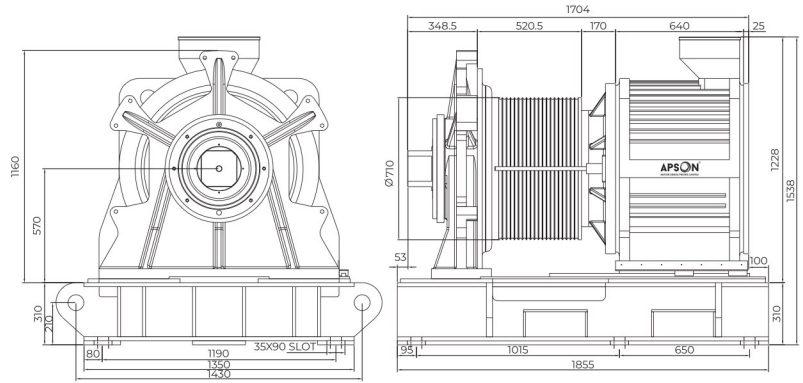
ROPING	2:1	STATIC LOAD	3000 kg
BALANCING	50%	MACHINE WEIGHT	120 kg*
DUTY	S5-40%	BRAKE VOLTAGE	DC110V
STARTS / HOUR	180 ST/H	INSULATION CLASS	H
GROOVE TYPE	FLAT	GROOVE β°	N/A
IP PROTECTION	IP41	GROOVE γ°	N/A
POLE	24	WARRANTY	4 YEAR*

SPECIFICATION SHEET

MODEL	RATED VOLTAGE	CAPACITY	CABIN SPEED	RATED OUTPUT POWER	RATED CURRENT	RATED SPEED	FREQ.	SHEAVE DIA.	TORQUE	BELT	L	L1
	V	kg	m/s	kW	A	rpm	Hz	mm	N.m.		mm	mm
BD750	AC380V	750	1.00	4.90	12	382	76.4	Ø100	123	4 X 60MM	852.5	215
BD750	AC380V	750	1.50	7.40	15	573	114.6	Ø100	123	4 X 60MM	852.5	215
BD975	AC380V	975	1.00	6.40	15	382	76.4	Ø100	159	4 X 60MM	852.5	215
BD975	AC380V	975	1.50	9.60	20	573	114.6	Ø100	159	4 X 60MM	852.5	215



CHETAK - HEAVYWEIGHT CHAMPION



CHETAK PERMANENT MAGNET SYNCHRONOUS ELEVATOR GEARLESS TRACTION MACHINE

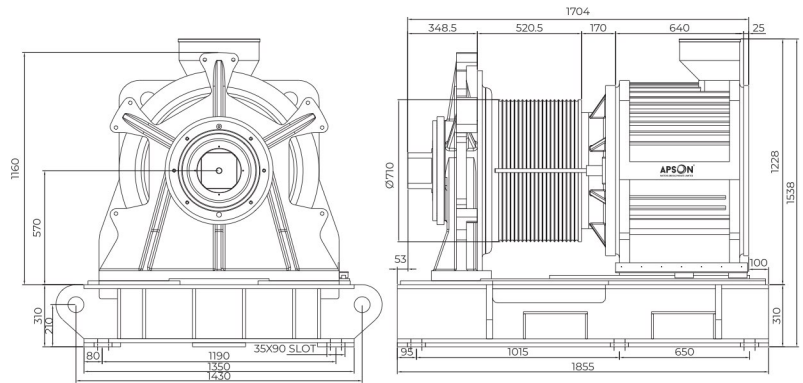
ROPING	2:1	STATIC LOAD	50,000 kg*
BALANCING	50%	MACHINE WEIGHT	8000 kg*
DUTY	S5-40%	BRAKE VOLTAGE	DC110V
STARTS / HOUR	240 ST/H	INSULATION CLASS	H
GROOVE TYPE	UNDER CUT "U"	GROOVE β°	90°
IP PROTECTION	IP41	GROOVE γ°	30°
POLE	32	WARRANTY	4 YEAR*

SPECIFICATION SHEET

MODEL	RATED VOLTAGE	CAPACITY	CABIN SPEED	RATED OUTPUT POWER	RATED CURRENT	RATED SPEED	FREQ.	SHEAVE DIA.	TORQUE	SHEAVE DETAILS	WRAP
	V	kg	m/s	kW	A	rpm	Hz	mm	N.m.		
CH4000	AC380V	4000	1.00	24.2	57	54	14.3	Ø710	4301	10 X Ø16 X 20	SINGLE
CH4000	AC380V	4000	2.00	48.5	108	108	28.7	Ø710	4301	10 X Ø16 X 20	SINGLE
CH4000	AC380V	4000	3.00	72.7	155	161	43.0	Ø710	4301	10 X Ø16 X 20	DOUBLE
CH5000	AC380V	5000	1.00	30.1	71	54	14.3	Ø710	5337	10 X Ø16 X 20	SINGLE
CH5000	AC380V	5000	2.00	60.1	134	108	28.7	Ø710	5337	10 X Ø16 X 20	SINGLE
CH5000	AC380V	5000	3.00	90.2	193	161	43.0	Ø710	5337	10 X Ø16 X 20	DOUBLE
CH7000	AC380V	7000	1.00	40.4	99	54	14.3	Ø710	7163	10 X Ø16 X 20	SINGLE
CH7000	AC380V	7000	2.00	80.7	198	108	28.7	Ø710	7163	10 X Ø16 X 20	SINGLE
Ch7000	AC380V	7000	3.00	121.1	297	161	43.0	Ø710	7163	10 X Ø16 X 20	DOUBLE



CHETAK - THE SKY



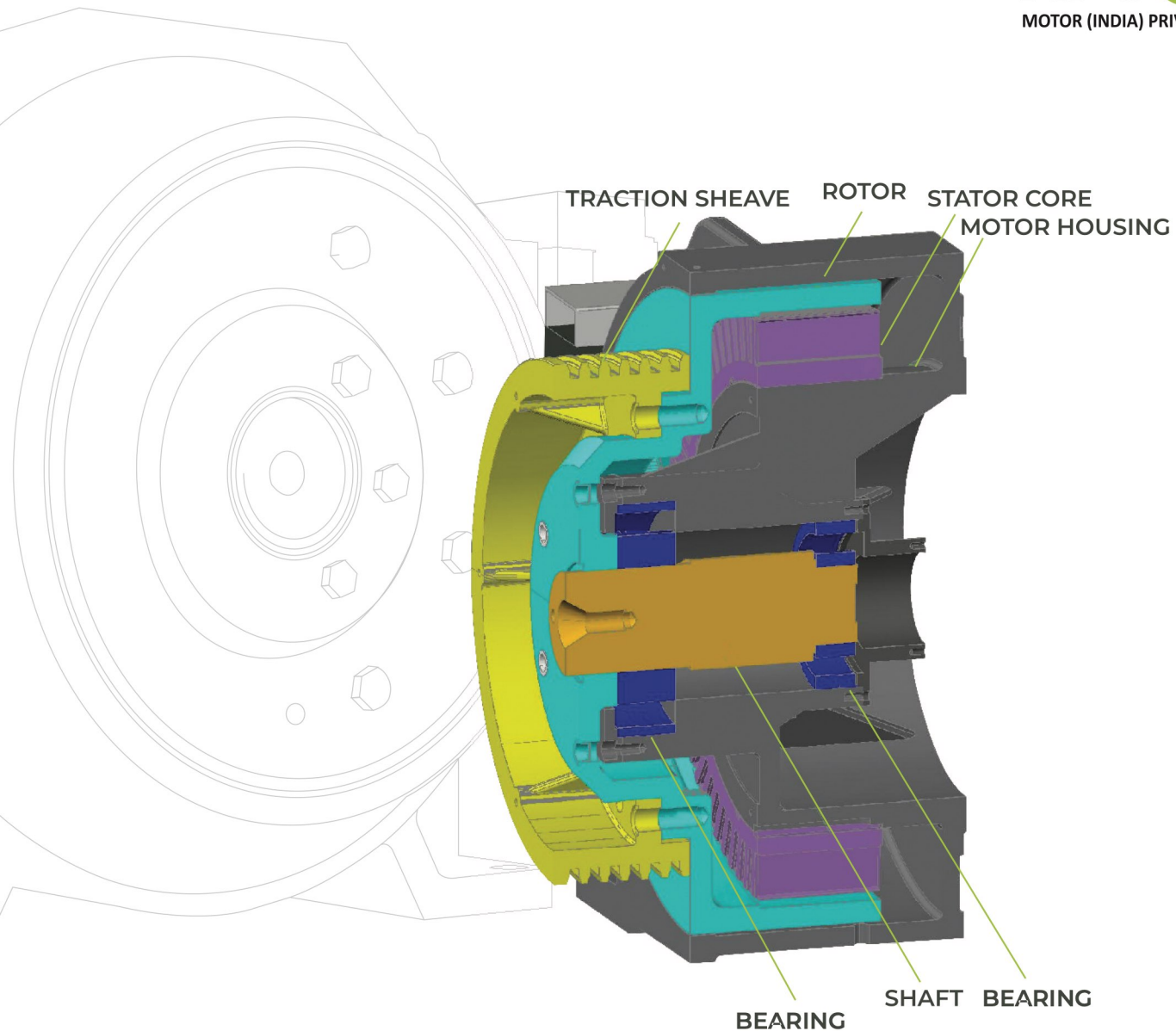
CHETAK PERMANENT MAGNET SYNCHRONOUS ELEVATOR GEARLESS TRACTION MACHINE

ROPING	1:1	STATIC LOAD	50,000 kg*
BALANCING	50%	MACHINE WEIGHT	8000 kg*
DUTY	S5-40%	BRAKE VOLTAGE	DC110V
STARTS / HOUR	240 ST/H	INSULATION CLASS	H
GROOVE TYPE	"U"	GROOVE β°	N/A
IP PROTECTION	IP41	GROOVE γ°	25°
POLE	32	WARRANTY	4 YEAR*

SPECIFICATION SHEET

MODEL	RATED VOLTAGE	CAPACITY	CABIN SPEED	RATED OUTPUT POWER	RATED CURRENT	RATED SPEED	FREQ.	SHEAVE DIA.	TORQUE	SHEAVE DETAILS	WRAP
	V	kg	m/s	kW	A	rpm	Hz	mm	N.m.		
CH050	AC380V	2200	5.00	65.1	220	134	35.9	Ø710	4620	10 X Ø16 X 20	DOUBLE
CH060	AC380V	2200	6.00	78.1	220	161	43.0	Ø710	4620	10 X Ø16 X 20	DOUBLE
CH080	AC380V	2200	8.00	104.1	220	215	57.4	Ø710	4620	10 X Ø16 X 20	DOUBLE
CH100	AC380V	2200	10.0	130.1	320	269	71.7	Ø710	4620	10 X Ø16 X 20	DOUBLE
CH120	AC380V	2200	12.0	156.2	320	323	86.1	Ø710	4620	10 X Ø16 X 20	DOUBLE





OUTER ROTOR GEARLESS TRACTION MACHINE

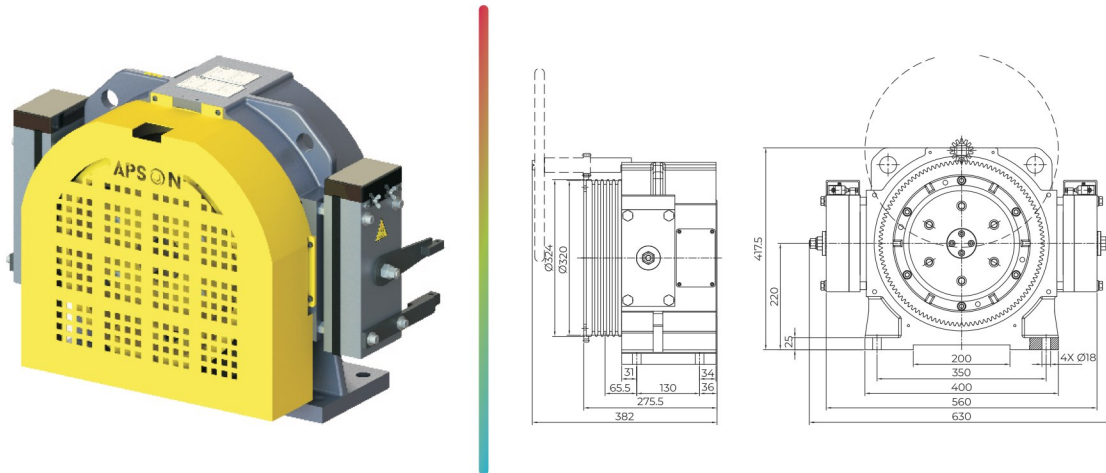
Outer rotor gearless traction machines are more suitable for machine room as well as machine room less application.

It has shorter shaft load area compared to inner rotor machine but also has higher capacity bearing which is also more suitable for higher static load of the machine. Due to the bigger traction sheave diameter, it has more torque capacity compared to inner rotor elevator gearless traction machine.

In outer rotor technology, electromagnetic shoe / block brake is being used, which operates on rotor to stop the machine with lowest air gap as well as lowest operating noise.



OR SERIES



OUTER ROTOR PERMANENT MAGNET SYNCHRONOUS ELEVATOR GEARLESS TRACTION MACHINE

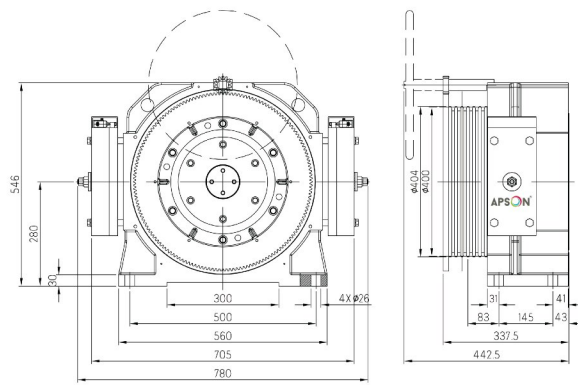
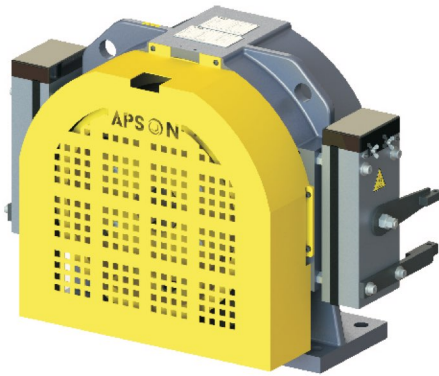
ROPING	2:1	STATIC LOAD	2500 kg
BALANCING	50%	MACHINE WEIGHT	200 kg*
DUTY	S5-40%	BRAKE VOLTAGE	DC110V
STARTS / HOUR	240 ST/H	INSULATION CLASS	H
GROOVE TYPE	UNDER CUT "U"	GROOVE β°	90°
IP PROTECTION	IP41	GROOVE γ°	30°
POLE	24	WARRANTY	4 YEAR*

SPECIFICATION SHEET

MODEL	RATED VOLTAGE	CAPACITY	CABIN SPEED	RATED OUTPUT POWER	RATED CURRENT	RATED SPEED	FREQ.	SHEAVE DIA.	TORQUE	SHEAVE DETAILS
	V	kg	m/s	kW	A	rpm	Hz	mm	N.m.	
OR450	AC380V	450	0.50	1.50	5	60	11.9	Ø320	240	4 X Ø8 X 12
OR450	AC380V	450	1.00	3.00	9	119	23.9	Ø320	240	4 X Ø8 X 12
OR450	AC380V	450	1.25	3.80	9	149	29.8	Ø320	240	4 X Ø8 X 12
OR450	AC380V	450	1.50	4.50	13	179	35.8	Ø320	240	4 X Ø8 X 12
OR600	AC380V	600	0.50	2.00	6	60	11.9	Ø320	320	5 X Ø8 X 12
OR600	AC380V	600	1.00	4.00	12	119	23.9	Ø320	320	5 X Ø8 X 12
OR600	AC380V	600	1.25	5.00	12	149	29.8	Ø320	320	5 X Ø8 X 12
OR600	AC380V	600	1.50	6.00	17	179	35.8	Ø320	320	5 X Ø8 X 12
OR600	AC380V	600	1.75	7.00	17	209	41.7	Ø320	320	5 X Ø8 X 12
OR680	AC380V	680	0.50	2.30	7	60	11.9	Ø320	363	5 X Ø8 X 12
OR680	AC380V	680	1.00	4.50	14	119	23.8	Ø320	363	5 X Ø8 X 12
OR680	AC380V	680	1.25	5.70	14	149	29.8	Ø320	363	5 X Ø8 X 12
OR680	AC380V	680	1.50	6.80	19	179	35.8	Ø320	363	5 X Ø8 X 12
OR680	AC380V	680	1.75	7.90	19	209	41.7	Ø320	363	5 X Ø8 X 12



OR SERIES



OUTER ROTOR PERMANENT MAGNET SYNCHRONOUS ELEVATOR GEARLESS TRACTION MACHINE

ROPING	2:1	STATIC LOAD	4500 kg
BALANCING	50%	MACHINE WEIGHT	360 kg*
DUTY	S5-40%	BRAKE VOLTAGE	DC110V
STARTS / HOUR	240 ST/H	INSULATION CLASS	H
GROOVE TYPE	UNDER CUT "U"	GROOVE β°	90°
IP PROTECTION	IP41	GROOVE γ°	30°
POLE	32	WARRANTY	4 YEAR*

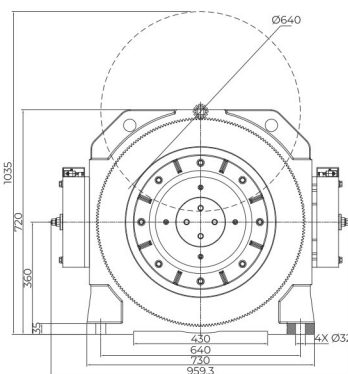
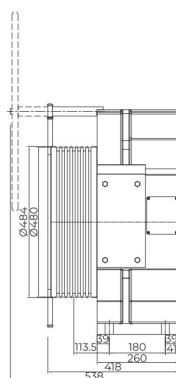
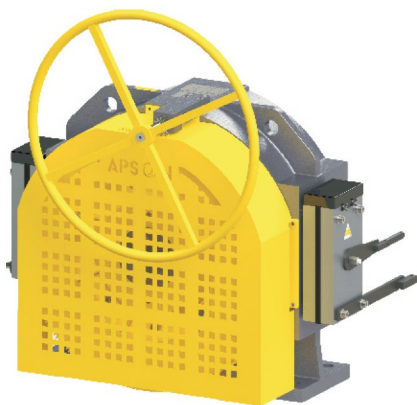
SPECIFICATION SHEET

MODEL	RATED VOLTAGE	CAPACITY	CABIN SPEED	RATED OUTPUT POWER	RATED CURRENT	RATED SPEED	FREQ.	SHEAVE DIA.	TORQUE	SHEAVE DETAILS
	V	kg	m/s	kW	A	rpm	Hz	mm	N.m.	
OR750	AC380V	750	0.50	2.50	6	48	12.8	Ø400	500	5 X Ø10 X 16
OR750	AC380V	750	1.00	5.00	14	95	25.5	Ø400	500	5 X Ø10 X 16
OR750	AC380V	750	1.25	6.30	14	119	31.8	Ø400	500	5 X Ø10 X 16
OR750	AC380V	750	1.50	7.50	19	143	38.2	Ø400	500	5 X Ø10 X 16
OR750	AC380V	750	1.75	8.80	19	167	44.6	Ø400	500	5 X Ø10 X 16
OR750	AC380V	750	2.00	10.0	21	191	50.9	Ø400	500	5 X Ø10 X 16
OR975	AC380V	975	1.00	6.50	18	95	25.5	Ø400	650	5 X Ø10 X 16
OR975	AC380V	975	1.25	8.10	18	119	31.8	Ø400	650	5 X Ø10 X 16
OR975	AC380V	975	1.50	9.80	24	143	38.2	Ø400	650	5 X Ø10 X 16
OR975	AC380V	975	1.75	11.4	24	167	44.6	Ø400	650	5 X Ø10 X 16
OR975	AC380V	975	2.00	13.0	28	191	50.9	Ø400	650	6 X Ø10 X 16
OR975	AC380V	975	2.50	16.3	35	239	63.7	Ø400	650	6 X Ø10 X 16
OR1200	AC380V	1200	1.00	8.00	22	95	25.5	Ø400	800	6 X Ø10 X 16
OR1200	AC380V	1200	1.25	10.0	22	119	31.8	Ø400	800	6 X Ø10 X 16
OR1200	AC380V	1200	1.50	12.0	30	143	38.2	Ø400	800	6 X Ø10 X 16
OR1200	AC380V	1200	1.75	14.0	30	167	44.6	Ø400	800	6 X Ø10 X 16
OR1200	AC380V	1200	2.00	16.0	34	191	50.9	Ø400	800	6 X Ø10 X 16
OR1200	AC380V	1200	2.50	20.0	43	239	63.7	Ø400	800	6 X Ø10 X 16
OR1360	AC380V	1360	1.00	8.00	22	95	25.5	Ø400	800	6 X Ø10 X 16
OR1360	AC380V	1360	1.50	12.0	30	143	38.2	Ø400	800	6 X Ø10 X 16
OR1360	AC380V	1360	1.75	14.0	30	167	44.6	Ø400	800	6 X Ø10 X 16

Note: With intense of up-gradation in technology, Apson reserves the rights to change machine specification without any prior intimation.



OR SERIES



OUTER ROTOR PERMANENT MAGNET SYNCHRONOUS ELEVATOR GEARLESS TRACTION MACHINE

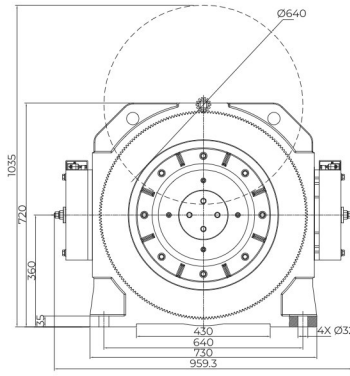
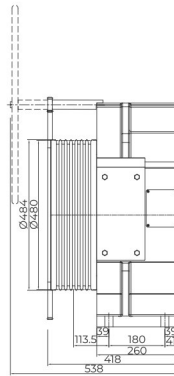
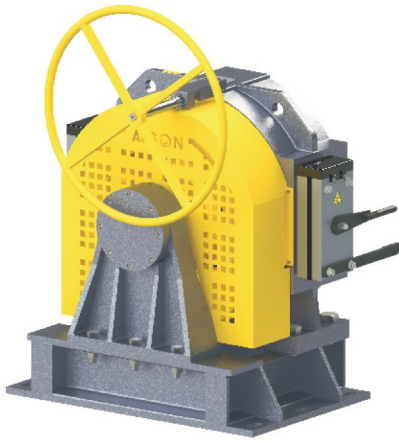
ROPING	2:1	STATIC LOAD	10,000 kg*
BALANCING	50%	MACHINE WEIGHT	650 kg*
DUTY	S5-40%	BRAKE VOLTAGE	DC110V
STARTS / HOUR	240 ST/H	INSULATION CLASS	H
GROOVE TYPE	UNDER CUT "U"	GROOVE β°	90°
IP PROTECTION	IP41	GROOVE γ°	30°
POLE	48	WARRANTY	4 YEAR*

SPECIFICATION SHEET

MODEL	RATED VOLTAGE	CAPACITY	CABIN SPEED	RATED OUTPUT POWER	RATED CURRENT	RATED SPEED	FREQ.	SHEAVE DIA.	TORQUE	SHEAVE DETAILS
	V	kg	m/s	kW	A	rpm	Hz	mm	N.m.	
OR1500	AC380V	1500	1.00	9.50	27	80	31.8	Ø480	1140	5 X Ø12 X 17
OR1500	AC380V	1500	1.25	11.9	27	99	39.8	Ø480	1140	5 X Ø12 X 17
OR1500	AC380V	1500	1.50	14.3	37	119	47.7	Ø480	1140	5 X Ø12 X 17
OR1500	AC380V	1500	1.75	16.6	37	139	55.7	Ø480	1140	5 X Ø12 X 17
OR1500	AC380V	1500	2.00	19.0	41	159	63.7	Ø480	1140	5 X Ø12 X 17
OR1500	AC380V	1500	2.50	23.8	48	199	79.6	Ø480	1140	5 X Ø12 X 17
OR2175	AC380V	2175	1.00	13.8	39	80	31.8	Ø480	1655	7 X Ø12 X 17
OR2175	AC380V	2175	1.25	17.2	39	99	39.8	Ø480	1655	7 X Ø12 X 17
OR2175	AC380V	2175	1.50	20.7	53	119	47.7	Ø480	1655	7 X Ø12 X 17
OR2175	AC380V	2175	1.75	24.1	53	139	55.7	Ø480	1655	7 X Ø12 X 17
OR2175	AC380V	2175	2.00	27.6	60	159	63.7	Ø480	1655	7 X Ø12 X 17
OR2175	AC380V	2175	2.50	34.5	70	199	79.6	Ø480	1655	7 X Ø12 X 17



OR SERIES



OUTER ROTOR PERMANENT MAGNET SYNCHRONOUS ELEVATOR GEARLESS TRACTION MACHINE

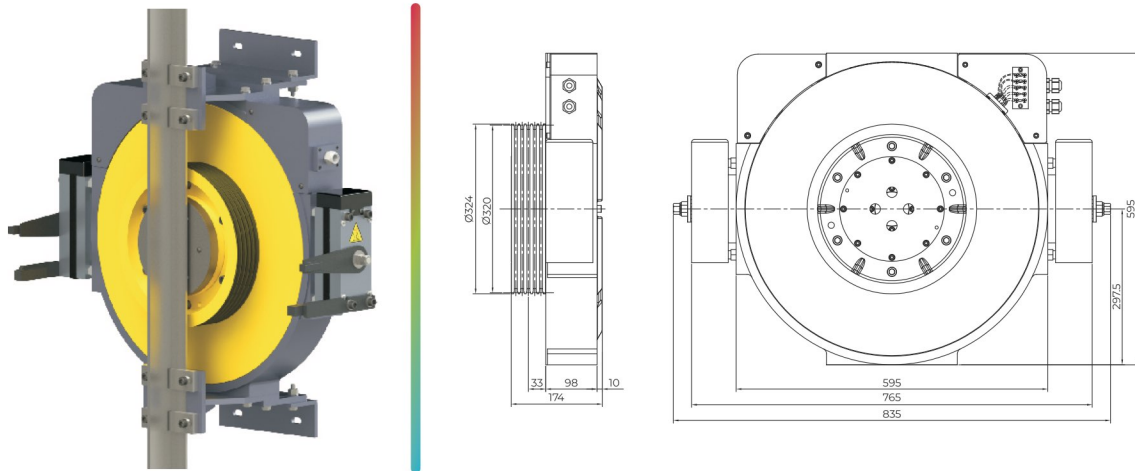
ROPING	2:1	STATIC LOAD	10,000 kg*
BALANCING	50%	MACHINE WEIGHT	700 kg*
DUTY	S5-40%	BRAKE VOLTAGE	DC110V
STARTS / HOUR	240 ST/H	INSULATION CLASS	H
GROOVE TYPE	UNDER CUT "U"	GROOVE β°	90°
IP PROTECTION	IP41	GROOVE γ°	30°
POLE	48	WARRANTY	4 YEAR*

SPECIFICATION SHEET

MODEL	RATED VOLTAGE	CAPACITY	CABIN SPEED	RATED OUTPUT POWER	RATED CURRENT	RATED SPEED	FREQ.	SHEAVE DIA.	TORQUE	SHEAVE DETAILS
	V	kg	m/s	kW	A	rpm	Hz	mm	N.m.	
OR2700	AC380V	2700	1.00	17.1	47	80	31.8	Ø480	2053	8 X Ø12 X 17
OR2700	AC380V	2700	1.25	21.4	47	99	39.8	Ø480	2053	8 X Ø12 X 17
OR2700	AC380V	2700	1.50	25.7	63	119	47.7	Ø480	2053	8 X Ø12 X 17
OR2700	AC380V	2700	1.75	29.9	63	139	55.7	Ø480	2053	8 X Ø12 X 17
OR2700	AC380V	2700	2.00	34.2	72	159	63.7	Ø480	2053	8 X Ø12 X 17
OR2700	AC380V	2700	2.50	42.8	90	199	79.6	Ø480	2053	8 X Ø12 X 17
OR3000	AC380V	3000	1.00	19.0	52	80	31.8	Ø480	2283	8 X Ø12 X 17
OR3000	AC380V	3000	1.25	23.8	52	99	39.8	Ø480	2283	8 X Ø12 X 17
OR3000	AC380V	3000	1.50	28.5	70	119	47.7	Ø480	2283	8 X Ø12 X 17
OR3000	AC380V	3000	1.75	33.3	70	139	55.7	Ø480	2283	8 X Ø12 X 17
OR3000	AC380V	3000	2.00	38.0	80	159	63.7	Ø480	2283	8 X Ø12 X 17
OR3000	AC380V	3000	2.50	47.6	80	199	79.6	Ø480	2283	8 X Ø12 X 17



ZF SERIES



DISK ROTOR PERMANENT MAGNET SYNCHRONOUS ELEVATOR GEARLESS TRACTION MACHINE

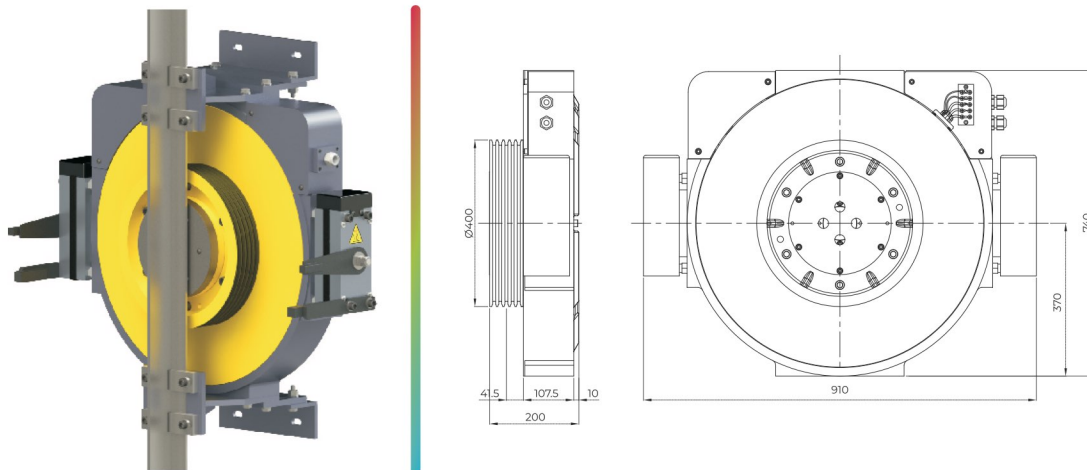
ROPING	2:1	STATIC LOAD	3000 kg*
BALANCING	50%	MACHINE WEIGHT	220 kg*
DUTY	S5-40%	BRAKE VOLTAGE	DC110V
STARTS / HOUR	240 ST/H	INSULATION CLASS	H
GROOVE TYPE	UNDER CUT "U"	GROOVE β°	90°
IP PROTECTION	IP41	GROOVE γ°	30°
POLE	32	WARRANTY	4 YEAR*

SPECIFICATION SHEET

MODEL	RATED VOLTAGE	CAPACITY	CABIN SPEED	RATED OUTPUT POWER	RATED CURRENT	RATED SPEED	FREQ.	SHEAVE DIA.	TORQUE	SHEAVE DETAILS
	V	kg	m/s	kW	A	rpm	Hz	mm	N.m.	
ZF450	AC380V	450	1.00	2.90	8	119	31.8	Ø320	230	5 X Ø8 X 12
ZF450	AC380V	450	1.25	3.60	8	149	39.8	Ø320	230	5 X Ø8 X 12
ZF450	AC380V	450	1.50	4.30	11	179	47.7	Ø320	230	5 X Ø8 X 12
ZF450	AC380V	450	1.75	5.00	11	209	55.7	Ø320	230	5 X Ø8 X 12
ZF600	AC380V	600	1.00	3.80	11	119	31.8	Ø320	310	5 X Ø8 X 12
ZF600	AC380V	600	1.25	4.80	11	149	39.8	Ø320	310	5 X Ø8 X 12
ZF600	AC380V	600	1.50	5.70	15	179	47.7	Ø320	310	5 X Ø8 X 12
ZF600	AC380V	600	1.75	6.70	15	209	55.7	Ø320	310	5 X Ø8 X 12



ZF SERIES



DISK ROTOR PERMANENT MAGNET SYNCHRONOUS ELEVATOR GEARLESS TRACTION MACHINE

ROPING	2:1	STATIC LOAD	4000 kg*
BALANCING	50%	MACHINE WEIGHT	360 kg*
DUTY	S5-40%	BRAKE VOLTAGE	DC110V
STARTS / HOUR	240 ST/H	INSULATION CLASS	H
GROOVE TYPE	UNDER CUT "U"	GROOVE β°	90°
IP PROTECTION	IP41	GROOVE γ°	30°
POLE	32	WARRANTY	4 YEAR*

SPECIFICATION SHEET

MODEL	RATED VOLTAGE	CAPACITY	CABIN SPEED	RATED OUTPUT POWER	RATED CURRENT	RATED SPEED	FREQ.	SHEAVE DIA.	TORQUE	SHEAVE DETAILS
	V	kg	m/s	kW	A	rpm	Hz	mm	N.m.	
ZF750	AC380V	750	1.00	4.80	14	95	25.5	Ø400	500	5 X Ø10 X 16
ZF750	AC380V	750	1.25	5.90	14	119	31.8	Ø400	500	5 X Ø10 X 16
ZF750	AC380V	750	1.50	7.10	19	143	38.2	Ø400	500	5 X Ø10 X 16
ZF750	AC380V	750	1.75	8.30	19	167	44.6	Ø400	500	5 X Ø10 X 16
ZF750	AC380V	750	2.00	9.50	22	191	50.9	Ø400	500	5 X Ø10 X 16
ZF975	AC380V	975	1.00	6.20	19	95	25.5	Ø400	650	5 X Ø10 X 16
ZF975	AC380V	975	1.25	7.70	19	119	31.8	Ø400	650	5 X Ø10 X 16
ZF975	AC380V	975	1.50	9.30	24	143	38.2	Ø400	650	5 X Ø10 X 16
ZF975	AC380V	975	1.75	10.8	24	167	44.6	Ø400	650	5 X Ø10 X 16
ZF975	AC380V	975	2.00	12.4	28	191	50.9	Ø400	650	5 X Ø10 X 16
ZF1200	AC380V	1200	1.00	7.60	23	95	25.5	Ø400	800	5 X Ø10 X 16
ZF1200	AC380V	1200	1.25	9.50	23	119	31.8	Ø400	800	5 X Ø10 X 16
ZF1200	AC380V	1200	1.50	11.4	30	143	38.2	Ø400	800	5 X Ø10 X 16
ZF1200	AC380V	1200	1.75	13.3	30	167	44.6	Ø400	800	5 X Ø10 X 16
ZF1200	AC380V	1200	2.00	15.2	35	191	50.9	Ø400	800	5 X Ø10 X 16





HEAD QUARTER

APSON EMPIRE, SURVEY NO. 7-2-1/2, NH. 47, AHMEDBAD – INDORE HIGHWAY,
OPP. INDIAN OIL PETROL PUMP, AT - MIRZAPUR, TALUKA KATHALAL,
DIS. – KHEDA, GUJARAT – 387630

REGISTERED OFFICE

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PROUD MEMBER

