GENALIFT

LIFT COMPONENTS

PRODUCT CATALOGUE

Gearless traction machines

EM7X / EM9X / EM10X



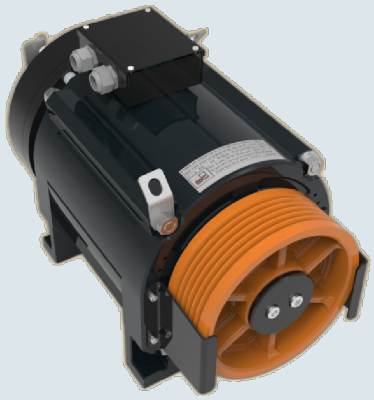
PRODUCT DATA / DIMENSIONS / SELECTION TABLES

Genalift is a Genadoor Group company.

genalift.com

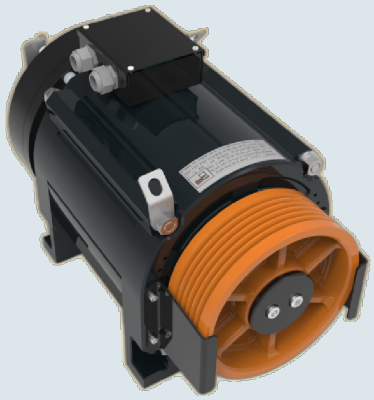
CATALOGUE GUIDE

Product range



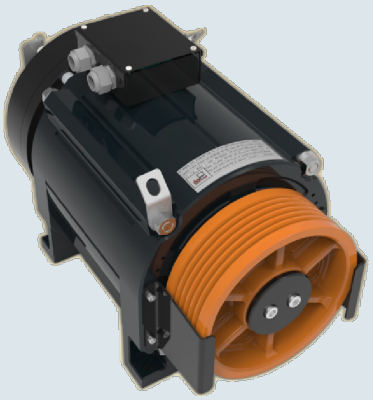
EM7X

310 Nm



EM9X

460 Nm



EM10X

625 Nm

RANGE	EM7X	EM9X	EM10X
Nominal torque (Nm)	310	460	625
Machine weight (kg)	159	182	205
Static load (kg)	4000	4000	4000
Travel height (m)	30	30	30
Suspension	2:1	2:1	2:1

EM7X / Product, drawing & performance **03-05**

EM9X / Product, drawing & performance **06-08**

EM10X / Product, drawing & performance **09-11**

Contact & export enquiries **12**

Technical data revision: 2024/01. Data are subject to change without prior notice.

GEARLESS TRACTION MACHINE

EM7X



310 Nm
NOMINAL TORQUE

159 kg
MACHINE WEIGHT

4000 kg
STATIC LOAD

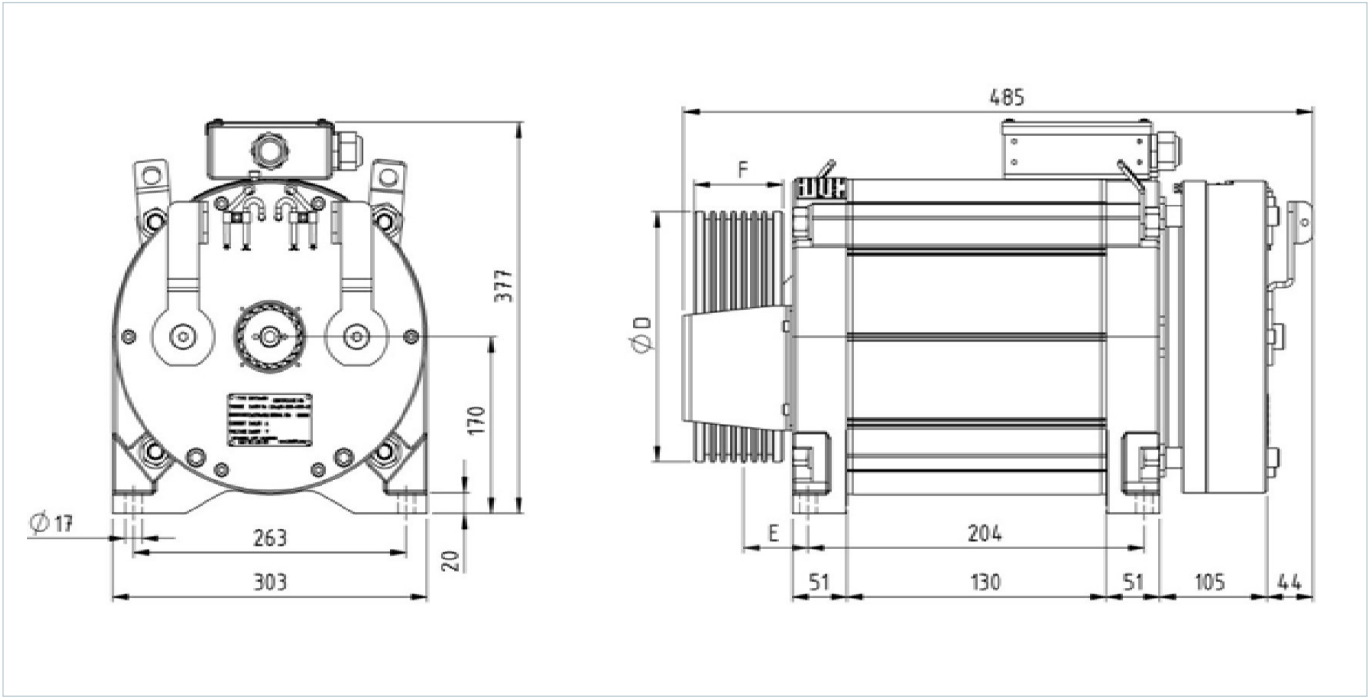
SPECIFICATION	VALUE
Suspension	2:1
Travel height	30 m
Poles	20
Encoder	ECN 1313 / SC 2048
Brake code	EMY2x500
Brake voltage / current	DC207V/0.65A
Brake torque	2x500Nm

DIMENSIONS

PERFORMANCE TABLE

TECHNICAL DRAWING

EM7X / Dimensions



SHEAVE, ROPE & DIMENSION REFERENCE

Sheave ØD / mm	F mm	Rope Ø mm	Ropes pieces	Pitch mm	E mm
240	86	6,5	7	9,5	67
320	86	8	5	12	74

E and F refer to the dimensions marked in the drawing. Rope capacity and pitch are listed for each sheave diameter.

TECHNICAL DATA REVISION / 2024/01

SELECTION TABLE

EM7X / Performance

SUSPENSION / 2:1 TECHNICAL DATA REVISION / 2024/01

Product code	Load kg	Speed m/s	Power kW	Current A	RPM	Freq. Hz	Sheave Ø mm	Poles	Torque N.m	Ropes max	Pitch mm
P2_4810_320	480	1	2,9	11	119	19,9	320	20	235	4*Ø8	12
P2_4816_320	480	1,6	4,7	17	191	31,8	320	20	235	4*Ø8	12
P2_4806_240	480	0,63	1,9	5	100	16,7	240	20	177	5*Ø6,5	9,5
P2_4810_240	480	1	2,9	8	159	26,5	240	20	177	5*Ø6,5	9,5
P2_4816_240	480	1,6	4,7	12	255	42,4	240	20	177	5*Ø6,5	9,5
P2_6310_320	630	1	3,9	14	119	19,9	320	20	305	5*Ø8	12
P2_6316_320	630	1,6	6,2	23	119	19,9	320	20	305	5*Ø8	12
P2_6306_240	630	0,63	2,5	7	100	16,7	240	20	235	6*Ø6,5	9,5
P2_6310_240	630	1	3,9	10	159	26,5	240	20	235	6*Ø6,5	9,5
P2_6316_240	630	1,6	6,2	16	255	42,4	240	20	235	6*Ø6,5	9,5
P2_8006_240	800	0,63	3	9	100	16,7	240	20	300	7*Ø6,5	9,5
P2_8010_240	800	1	4,9	13	159	26,5	240	20	300	7*Ø6,5	9,5
P2_8016_240	800	1,6	7,8	21	255	42,4	240	20	300	7*Ø6,5	9,5

Source check: P2_6316_320 is listed with 119 RPM and 19,9 Hz. Confirm this combination before model selection.

GEARLESS TRACTION MACHINE

EM9X



460 Nm
NOMINAL TORQUE

182 kg
MACHINE WEIGHT

4000 kg
STATIC LOAD

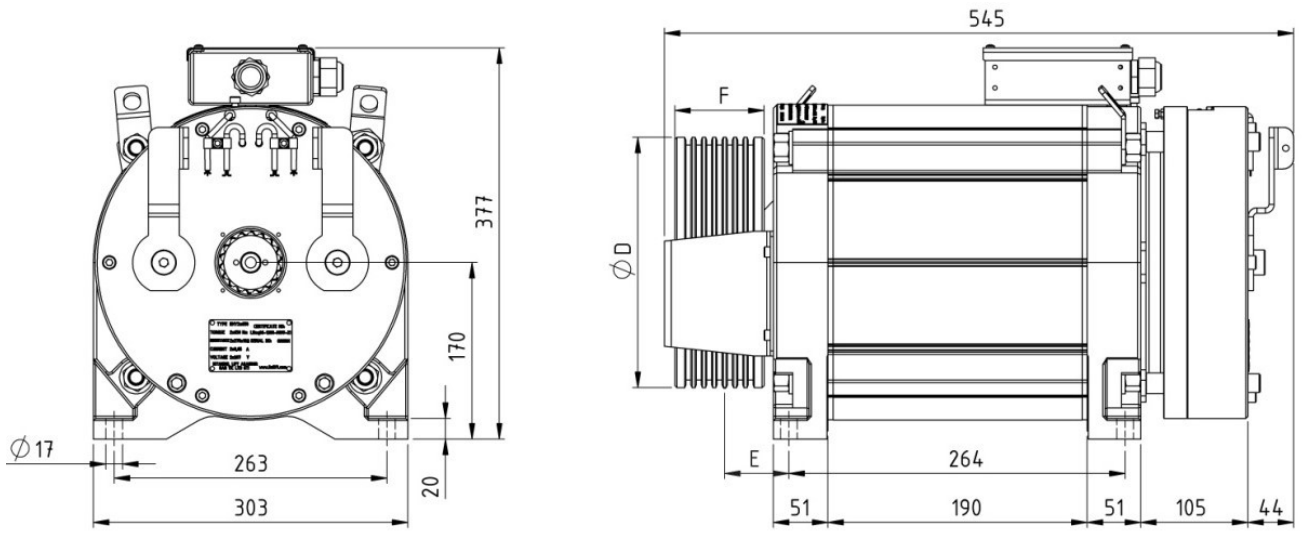
SPECIFICATION	VALUE
Suspension	2:1
Travel height	30 m
Poles	20
Encoder	ECN 1313 / SC 2048
Brake code	EMY2x650
Brake voltage / current	DC207V/0.65A
Brake torque	2x650Nm

DIMENSIONS

PERFORMANCE TABLE

TECHNICAL DRAWING

EM9X / Dimensions



SHEAVE, ROPE & DIMENSION REFERENCE

Sheave ØD / mm	F mm	Rope Ø mm	Ropes pieces	Pitch mm	E mm
240	115	6,5	9	9,5	82
320	117	8	5	12	89

E and F refer to the dimensions marked in the drawing. Rope capacity and pitch are listed for each sheave diameter.

Source check: the E/F reference in the supplied EM9X sheet is labelled EM7x. Confirm the dimension reference before installation.

TECHNICAL DATA REVISION / 2024/01

SELECTION TABLE

EM9X / Performance

SUSPENSION / 2:1 TECHNICAL DATA REVISION / 2024/01

Product code	Load kg	Speed m/s	Power kW	Current A	RPM	Freq. Hz	Sheave Ø mm	Poles	Torque N.m	Ropes max	Pitch mm
P3_8010_320	800	1	4,9	19	119	19,9	320	20	390	5*Ø8	12
P3_8016_320*	800	1,6	7,8	29	191	31,8	320	20	390	5*Ø8	12
P3_8016_240*	800	1	5,3	13	159	26,5	240	20	310	7*Ø6,5	9,5
P3_8010_240*	800	1,6	8,5	21	255	42,4	240	20	310	7*Ø6,5	9,5
P3_1006_240	1000	0,63	3,9	10	100	16,7	240	20	370	8*Ø6,5	9,5
P3_1010_240	1000	1	6,1	16	159	26,5	240	20	370	8*Ø6,5	9,5
P3_1016_240	1000	1,6	9,8	26	255	42,4	240	20	370	8*Ø6,5	9,5
P3_1106_240	1150	0,63	4,5	12	100	16,7	240	20	430	8*Ø6,5	9,5
P3_1110_240	1150	1	7	18	159	26,5	240	20	430	8*Ø6,5	9,5
P3_1116_240	1150	1,6	11,2	31	255	42,4	240	20	430	8*Ø6,5	9,5
P3_1206_240	1250	0,63	5,6	14	100	16,7	240	20	460	9*Ø6,5	9,5
P3_1210_240	1250	1	7,8	22	159	26,5	240	20	460	9*Ø6,5	9,5
P3_1216_240	1250	1,6	12,5	35	255	42,4	240	20	460	9*Ø6,5	9,5

Source check: P3_8016_240* is listed at 1 m/s; P3_8010_240* at 1,6 m/s. Asterisks are retained as printed; no definition is supplied.

GEARLESS TRACTION MACHINE

EM10X



625 Nm
NOMINAL TORQUE

205 kg
MACHINE WEIGHT

4000 kg
STATIC LOAD

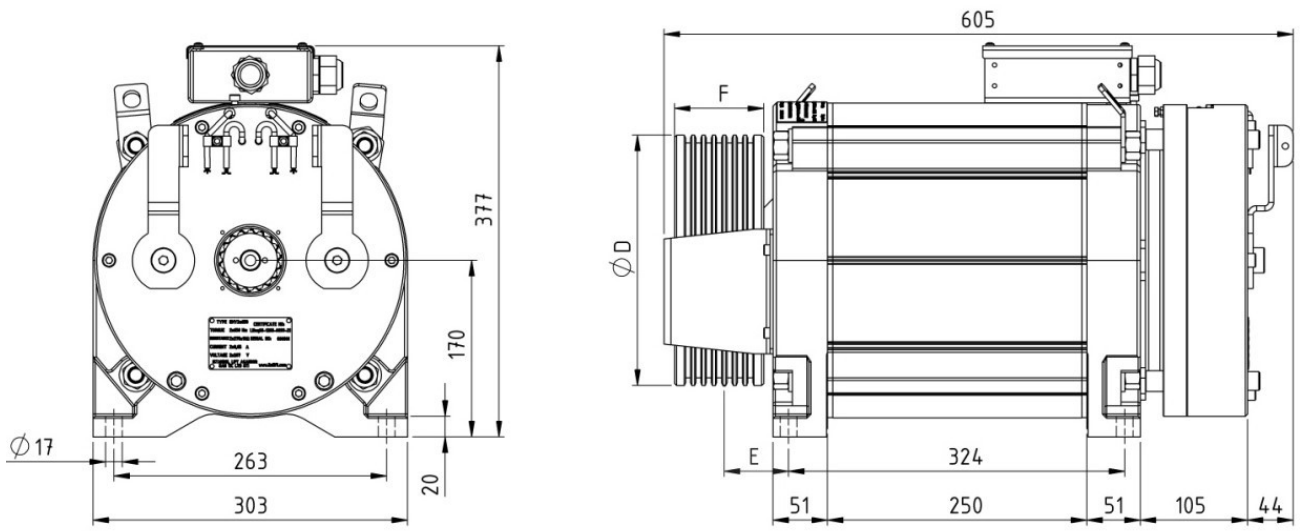
SPECIFICATION	VALUE
Suspension	2:1
Travel height	30 m
Poles	20
Encoder	ECN 1313 / SC 2048
Brake code	EMY2x650
Brake voltage / current	DC207V/0.65A
Brake torque	2x650Nm

DIMENSIONS

PERFORMANCE TABLE

TECHNICAL DRAWING

EM10X / Dimensions



SHEAVE, ROPE & DIMENSION REFERENCE

Sheave ØD / mm	F mm	Rope Ø mm	Ropes pieces	Pitch mm	E mm
240	136	6,5	11	9,5	93
320	117	8	7	12	93

E and F refer to the dimensions marked in the drawing. Rope capacity and pitch are listed for each sheave diameter.

Source check: the E/F reference in the supplied EM10X sheet is labelled EM9x. Confirm the dimension reference before installation.

TECHNICAL DATA REVISION / 2024/01

SELECTION TABLE

EM10X / Performance

SUSPENSION / 2:1 TECHNICAL DATA REVISION / 2024/01

Product code	Load kg	Speed m/s	Power kW	Current A	RPM	Freq. Hz	Sheave Ø mm	Poles	Torque N.m	Ropes max	Pitch mm
P4_1010_320*	1000	1	6,1	21	119	19,9	320	20	490	6*Ø8	12
P4_1016_320*	1000	1,6	9,8	34	191	31,8	320	20	490	6*Ø8	12
P4_1010_240	1000	1	6,1	16	159	26,5	240	20	380	9*Ø6,5	9,5
P4_1016_240	1000	1,6	9,8	26	255	42,4	240	20	380	9*Ø6,5	9,5
P4_1110_320*	1150	1	7	26	119	19,9	320	20	560	7*Ø8	12
P4_1116_320*	1150	1,6	11,2	42	191	31,8	320	20	560	7*Ø8	12
P4_1110_240*	1150	1	7	18	159	26,5	240	20	430	9*Ø6,5	9,5
P4_1116_240*	1150	1,6	11,2	29	255	42,4	240	20	430	9*Ø6,5	9,5
P4_1210_320*	1250 / 1275	1	7,8	28	119	19,9	320	20	625	8*Ø8	12
P4_1216_320*	1250 / 1275	1,6	12,5	45	191	31,8	320	20	625	8*Ø8	12
P4_1210_240*	1250 / 1275	1	7,8	20	159	26,5	240	20	480	9*Ø6,5	9,5
P4_1216_240*	1250 / 1275	1,6	12,5	32	255	42,4	240	20	480	9*Ø6,5	9,5
P4_1610_240	1600	1	9,8	27	159	26,5	240	20	600	11*Ø6,5	9,5
P4_1616_240	1600	1,6	15,6	43	255	42,4	240	20	600	11*Ø6,5	9,5

The source load designation 1250 / 1275 is retained. Confirm the required configuration before model selection.

CONTACT

Product & export enquiries

GOKTURK OZTURK

+90 532 335 11 55

GENERAL ENQUIRIES

gokturk@genalift.com

EXPORT

export@genalift.com

ISTANBUL OFFICE

MVK Work-Square

Yenişehir Mah. Mustafa Akyol Sk. No:13
İç Kapı No:187
34912 Pendik / İstanbul / Türkiye

Genalift is a Genadoor Group company.

genalift.com

PRODUCT INFORMATION