

RAPIDO

DRIVES FOR RAPID DOORS

DESCRIPTION

RAPIDO is made up of:

- A worm gear with hollow shaft
- An integrated safety brake
- An emergency manual operation
- Integrated limit switches
- An electric motor

All models are provided with an electromagnetic brake which stops suddenly the inertia of the motor.

ADDITIONAL DETAILS

EUROPEAN DIRECTIVES

RAPIDO is made in accordance with product standards EN 13241-1 Doors- and EN 12453 Safety for power operated doors.

DUTY RATING

There is a relation between the weight of the door and the number of movements per hour so the motor duty rating varies according to the door weight.

OVERLOAD SAFETY FACTOR

Motor overload safety factor = 4 x the nominal motor amperage because the starting current of the RAPIDO can reach these levels for short periods.

OUTPUT SPEED

The maximum admissible speed depends on the construction and the door type. The admissible closing speed shall be tuned so to let the operating forces comply with the EN 12453.

MANUAL OPERATION

Rapido is supplied with hand crank for manual operation when power cuts off.

RAPIDO

Direct drive motors with integrated safety brake for rapid doors.

LP 50180 ☐ TM ☐

LP 40130 ☐ TM ☐

LP 60130 ☐ TM ☐

LP 6090 ☐ TM ☐

LP 7045 ☐ TM ☐

LP 9090 ☐ TM ☐

LP 12045 ☐ TM ☐

LP 12590 ☐ TM ☐

LP 25060 ☐ TM ☐

Hollow shaft

☐ Ø 30 mm* [Standard]

V Ø 25 mm [Optional]

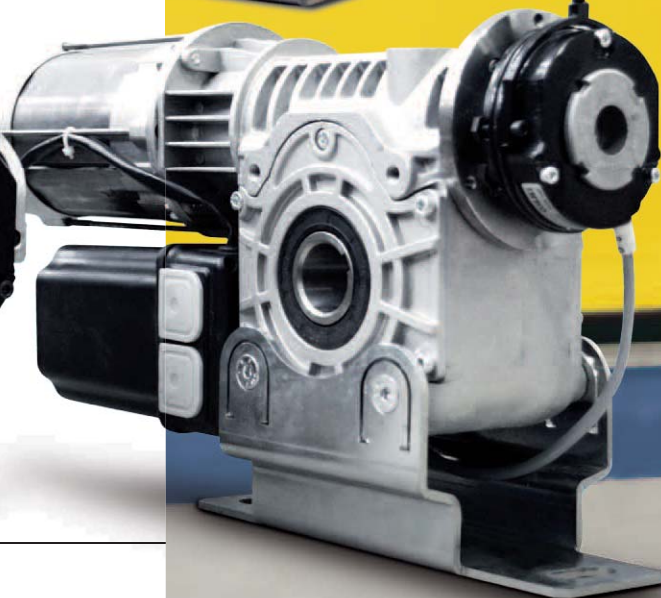
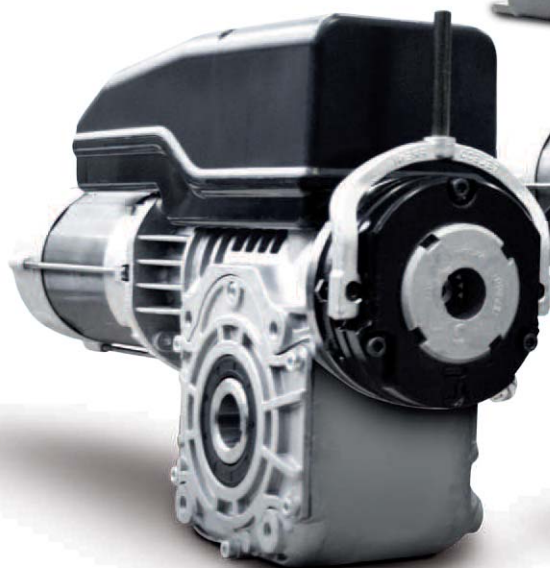
P Ø 25.4 mm [Optional]

*for LP25060 available only 40 mm

Limit switch types

M Mechanical Limits

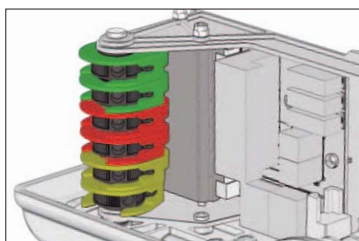
E Digital Limits





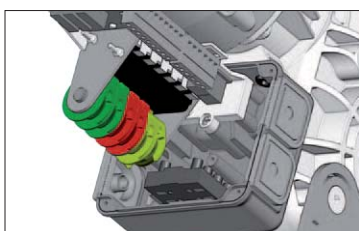
Hand crank

LIMIT SWITCH OPTIONS



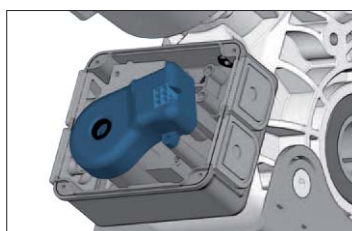
Mechanical limits

- 2 Green cams for operating limits.
- 2 Red cams for safety limits.
- 2 Yellow cams for auxiliary controls



Digital limits

Absolute encoder
No readjustment after
power failure
(necessary if a control
unit with inverter is
used)

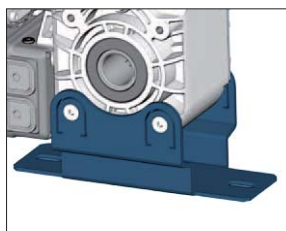


INSTALLATION TYPE



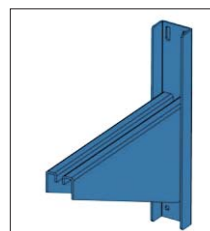
Flange
bracket

ANSZXM



Basement

ASOMBP



Bracket

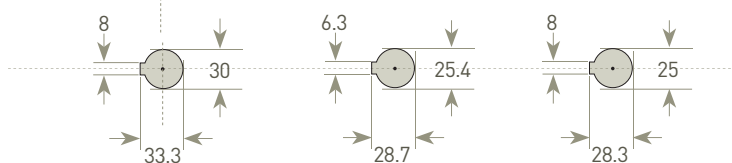
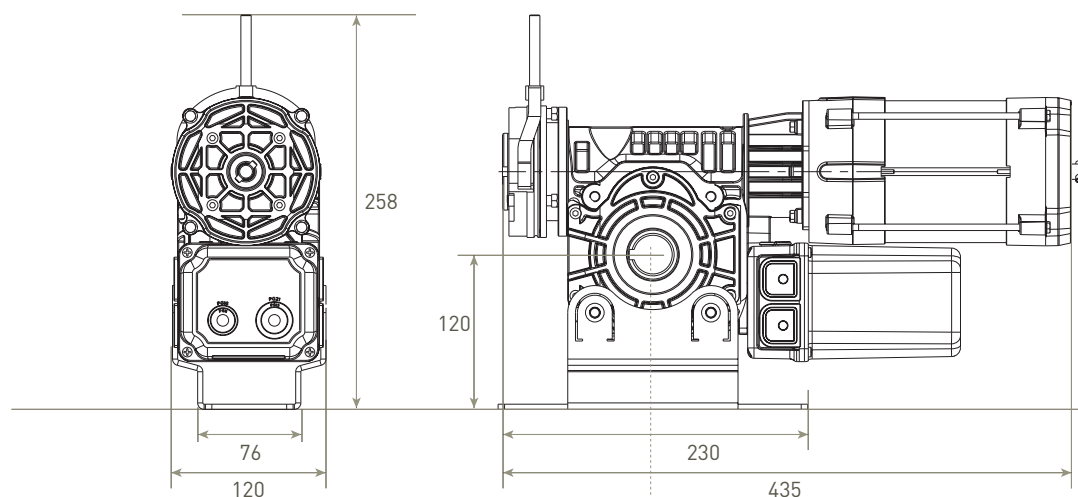
ASOM

TECHNICAL DETAILS

	LP50180TM		LP40130TM		LP60130TM		LP6090TM		LP7045TM	
Torque (Nm)	50		40		60		60		70	
Output speed (rpm)	180		130		130		90		45	
Frequency (Hz)	50		50		50		50		50	
Power supply (3~ Vac)	400	230	400	230	400	230	400	230	400	230
Power (kW)	0.65	0.8	0.9	0.96	0.65	0.8	0.95	0.96	0.95	0.96
Absorption (A)	1.7	3.5	2.4	4.4	1.7	3.5	2.5	4.2	2.5	4.2
Max cycles per hour	60		60		60		45		30	
Working temperature	-5°C/+40°C		-5°C/+40°C		-5°C/+40°C		-5°C/+40°C		-5°C/+40°C	
Protection rate (IP)	54		54		54		54		54	

	LP9090TM		LP12045TM		LP12590TM	LP25060TM
Torque (Nm)	90		120		125	250
Output speed (rpm)	90		45		90	60
Frequency (Hz)	50		50		50	50
Power supply (3~ Vac)	400	230	400	230	230	230
Power (kW)	0.76	0.85	0.7	1.3	1.35	1.40
Absorption (A)	1.9	3.6	1.8	3.4	6.2	6.4
Max cycles per hour	45		30		45	40
Working temperature	-5°C/+40°C		-5°C/+40°C		-5°C/+40°C	-5°C/+40°C
Protection rate (IP)	54		54		54	54

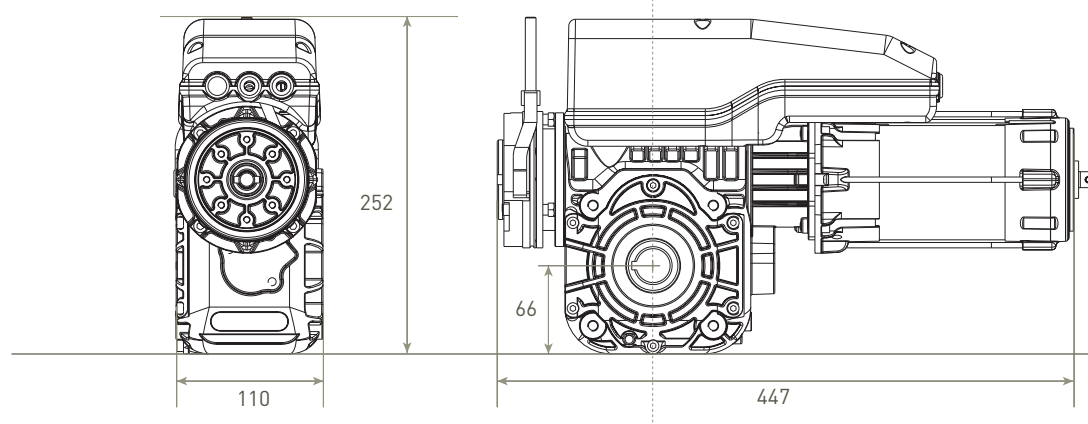
LP9090TM / LP12045TM



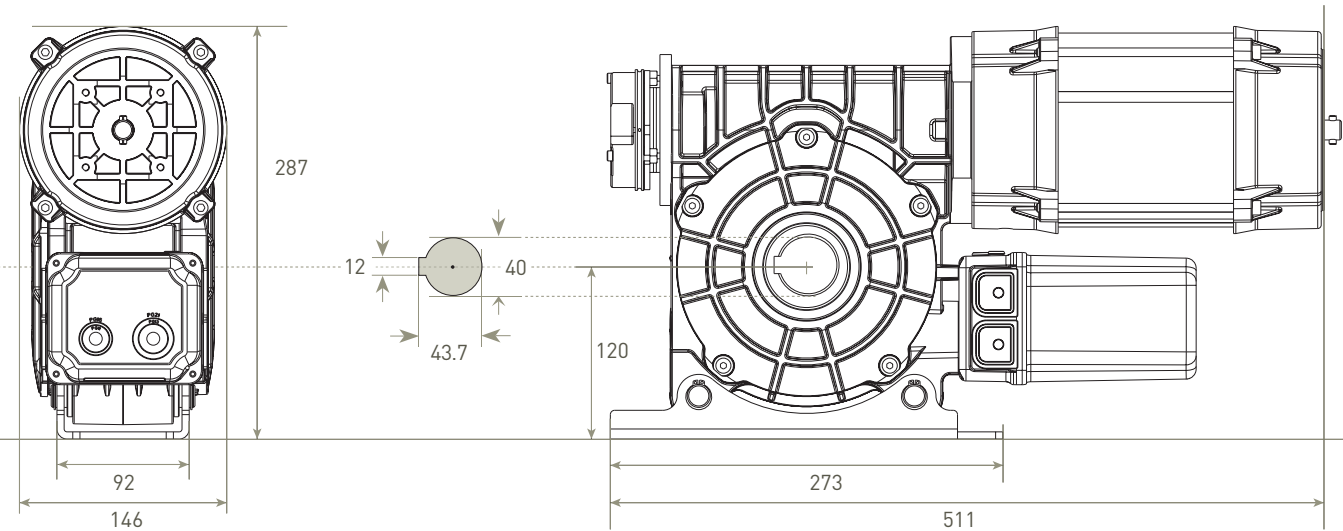
LP50180TM / LP40130TM

LP60130TM / LP6090TM

LP7045TM

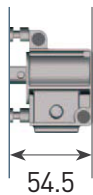


LP12590TM / LP25060TM



|| OVERRIDE
OPTIONS

|| Hand crank



|| ACCESSORIES

ACCESSORIES

ASOMBP	Basement
ASOMLP	Flanged bracket
ASOM	Adjustable bracket

BRACKET BEARINGS

ALS3F	Ø 30 mm
ALS4	Ø 40 mm

SHAFTS

ALM3.SF	Ø 30 mm - motor side - 8x7x100 mm feather key- 30 mm circlip
ALP3.SF	Ø 30 mm - bearing side - 8x7x50 mm feather key - 30 mm circlip
ALM4.SF	Ø 40 mm - motor side- 12x8x100 mm feather key - 40 mm circlip
ALP4.SF	Ø 40 mm - bearing side - 12x8x50 mm feather key - 40 mm circlip

WASHERS (Further dimensions and diameters are available upon request)

AL3101.SF	for 101,1x3,6 Ø tube - 30 mm shaft
AL3133.SF	for 133x4,0 Ø tube - 30 mm shaft
AL3159.SF	for 159x4,5 Ø tube - 30 mm shaft
AL3168.SF	for 168,3x4,5 Ø tube - 30 mm shaft
AL3178.SF	for 177,8x5,0 Ø tube - 30 mm shaft
AL3193.SF	for 193,7x5,4 Ø tube - 30 mm shaft
AL4133.SF	for 133x4,0 Ø tube - 40 mm shaft
AL4159.SF	for 159x4,5 Ø tube - 40 mm shaft