

People Mover P30

Transportation for Cities and Airports



INTAMIN
TRANSPORTATION



In response to the demands and requirements of urban transportation authorities, and airport operators, for a safe, fast, and reliable transportation system. The System is most suitable for public transportation services in cities and allows city-planners for a fast implementation of an efficient mass transit system. The train is characterized by an innovative design, spacious cabins convenient for both standing and seated passengers and is equipped with large size door openings for easy and quick passenger access. Intamin People Mover Systems are characterized by route planning flexibility, low construction costs, low operation costs due to the high automation degree and are environmental friendly with virtually no emissions. The train guiding system combined with a sophisticated automatic train protection and guiding solution, allows for a driverless operation of the trains, optimisation of line performance while improving the safety of operation. The high degree of automation makes it also possible to operate the system with a minimum number of staff. State-of-the-art communications systems with on-board passenger information system together with

large window areas enhance the environment to a superior level of comfort. The trains travel quietly and quickly to their destinations, offering an efficient transportation method, especially during the rush hour.

Technical Data

TRAIN

Height of train (over rail):	2.8 m
Width of train:	2.3 m
Number of cars per train:	2 cars to 5 cars
Length of train:	14 m to 28 m
Capacity of train:	40 pers. to 200 pers.
Maximum recommended speed	15 m/sec.
Automatic driver-less operation:	optional
Automatic doors:	standard
Air-conditioning/heating:	optional
Wheelchair access:	standard

TRACK

Typical span between columns:	24 m
Optional span between columns:	12 m to 30 m
Recommended height over ground:	5 m
Maximum recommended gradient:	8 to 10%
Minimum turn radius:	25 m

STATIONS

Length of station platform:	10 m to 25 m
Automatic operation from control room:	optional
Platform screen doors:	optional

SYSTEM

Maximum transport capacity:	up to 10'000 pph
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P30/70: 70 passengers per train



P30/105: 105 passengers per train



P30/140: 140 passengers per train

People Mover P30/210



Technical Data

Year Opened	2004
Location	Moscow ; Russia
Height of columns	7 m (approx.)
Number of trains	4 trains for initial phase 16 trains with later extension
Length of trains	34 m
Width of train	2.3 m
Height of train	3.2 m
Number of vehicles per train	6
Number of passengers/train compartment	35
Number of passengers per train	210
Max. travelling speed	60 km/h
Length of track (initial step)	5 km
Max. incline	7%
Number of stations	6 stations
Power connection to bus bars	600 VDC
Transportcapacity (ultimate capacity)	6000 passengers/hour
Door System	Automatic sliding doors included

Typical dimension of rail

Width of box beam	0.9 m
Height of box beam	1 m
Width of upper flange	1.2 m
Typical span between columns	28 m



People Mover P30 – Test Plant



Technical Data

Year Opened	1999
Location	Moscow, Russia
Number of trains	1 test-train
Number of vehicles per train	2
Number of passengers per train compartment	30
Max. travelling speed	60 km/h
Length of test-track	600 m
Max. incline	7%
Ambient temperature	-40°C to +40°C
Special climate conditions	snow and ice in wintertime



Tested in a winter climate with snow, ice, and temperatures as low as minus 40° Celsius (-40° F).



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