

## <Haneda capacities for S18>

Opening Hours : 24hours (0000-2355)

\* All times are in Japan Standard Time (JST).

### Runway capacities

#### ■ Daily Total movements

Time Zone	International scheduled	Domestic scheduled
0600-2255	max 160 movements	max 930 movements
2200-0655	max 80 movements	-

note 1: 8 departures and 8 arrivals per day are blocked as fire breaks (0600-2255)

note 2: 15 departures and 15 arrivals per day are reserved for governmental aviations (0600-2255)

#### ■ Per 60 minutes

Time Zone	Arrivals	Departures
0600-0655	max 10	max 40
0700-0755	max 13	max 40
0800-2155	* see sliding scale chart 1	* see sliding scale chart 1
2200-2255	max 40	max 10
0000-0555	* see sliding scale chart 2	* see sliding scale chart 2

#### \* Sliding scale chart 1 - applied for 0800-2155 per 60 minutes

Arrivals	Departures	Total
43	37	80
42	38	80
41	39	80
40	40	80
39	41	80
38	42	80
37	43	80

#### \* Sliding scale chart 2 - applied for 0000-0555 per 60 minutes

Arrivals	Departures	Total
13	0	13
12	1	13
11	2	13
10	3	13
9	6	15
8	8	16
7	8	15
6	9	15
5	10	15
4	11	15
3	13	16
2	15	17
1	18	19
0	20	20

note: To ensure safe and smooth operation of the airport, when the number of arrivals or departures exceeds 5 per 30 minutes (0000-0555), such arrivals or departures should be divided into the first and second part of that hour.

#### ■ Per 30 minutes (rolling factor 15minutes)

Time Zone	Arrivals	Departures
0600-0725	max 10	max 22
0730-0755	max 3	max 22
0800-2155	max 22	max 22
2200-2255	max 22	max 10
2300-2325	max 8	0
2330-2355	* see sliding scale chart 3	* see sliding scale chart 3

#### \* Sliding scale chart 3 - applied for 2330-2355 per 30 minutes

Arrivals	Departures	Total
5	1	6
4	4	8
3	4	7
2	5	7
1	7	8

#### ■ Per 15 minutes

Time Zone	Arrivals	Departures
0600-0725	max 10	max 11
0730-0755	max 3	max 11
0800-2155	max 11	max 11
2200-2255	max 11	max 10
2300-2325	max 8	0

note: The total number of arrivals and departures cannot exceed 21.

■ Per 10 minutes (rolling factor 5minutes)

Time Zone	Arrivals	Departures
0600-0725	max 10	max 11
0730-0755	max 3	max 11
0800-2155	max 11	max 11
2200-2255	max 11	max 10

■ Per 5 minutes

Time Zone	Arrivals	Departures
0600-0725	max 6	max 6
0730-0755	max 3	max 6
0800-2255	max 6	max 6

### Terminal flow capacities (International passenger services)

■ Per 60 minutes

Arrivals	Departures
max 12	max 12

### Constraints of aircraft types and other operational requirements

- B747-100, 200, 300, SP operations are **not** permitted.
- A380 operations are **not** permitted during 0600-2300. Arrival time should be after 2315 and Departure time should be no later than 0545.
- International scheduled freighter services are able to be operated during 2200-0655
- Operational capability required in principle for takeoff using runway D with a length of 2,500 m
- Use of runway with a length of 3,360m for international services are limited to northbound takeoff during 0600-2300 only
- RNAV1 and RNAV5 permits should be obtained

## Constraints per route (0700-2155)

The capacity of each route is decided depending on the combination of arrivals and departures and wind direction.

■ **Grouping per route (international)**

North	Europe(Dep/Arr), North America(Dep/Arr), & Northern part of Japan
West	Seoul(Dep/Arr), Beijing(Dep/Arr), & Western part of Japan
South	Other than North and West

note: Seoul(Dep/Arr), Beijing(Dep), and some Japanese airports in Group 'West' can be counted on either 'North' or 'South'.

■ **Per 60 minutes**

1. South wind Operation

Combination of Arrivals/Departures	Arrivals		Departures	
	South and West	North and West	South and West	North and West
43/37	30	13	21	16
			22	15
	29	14	21	16
			23	15
42/38	30	12	to	
			21	17
	29	13	22	16
			21	18
41/39	30	11	to	
			24	15
	29	12	22	17
			23	16
40/40	30	10	21	19
			to	
	29	11	25	15
			22	18
39/41	30	9	to	
			24	16
	29	10	23	17
			20	21
38/42	30	8	to	
			25	16
	29	9	22	19
			to	
37/43	30	7	25	16
			20	23
	29	8	to	
			28	15

2. North wind Operation

Combination of Arrivals/Departures	Arrivals		Departures	
	South and West	North and West	South and West	North and West
43/37	30	13	24	13
	29	14	23	14
42/38	30	12	25	13
			to	
	29	13	22	16
			24	14
41/39	30	11	to	
			26	13
	29	12	23	16
			to	
40/40	30	10	25	14
			to	
	29	11	23	16
			27	13
39/41	30	9	24	16
			to	
	29	10	26	14
			to	
38/42	30	8	24	16
			26	14
	29	9	to	
			24	16
37/43	30	7	28	13
			to	
	29	8	25	16
			27	14