Dedicated to People Flow™



PLANNING DIMENSIONS

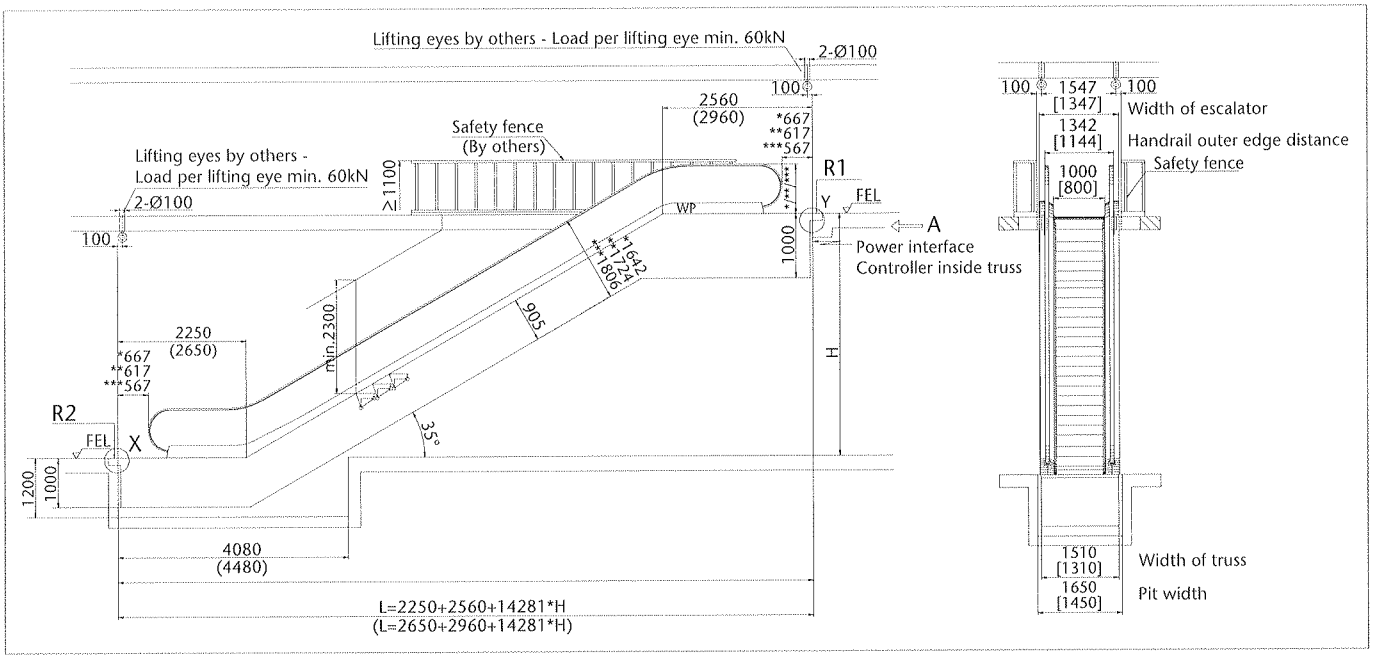
KONE TravelMaster™ 110 escalators

KONE TravelMaster™ 110 planning dimensions

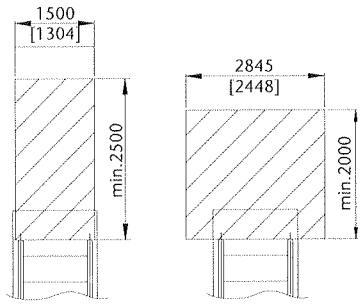
Architectural planning data

35° inclination / 1.0 transition radii / 2 or 3 horizontal steps at each landing / vertical rise up to 6 m

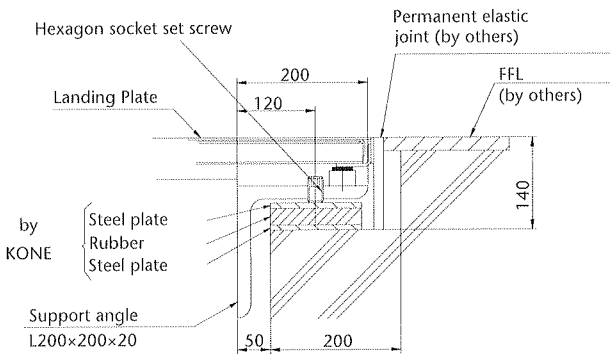
Code: EN 115-1:2008 + A1:2010[1)]



Passenger Circulation Area Requirements



Detail Y (Mirror image of X)



Reaction force (kN)

	800 mm step width		1000 mm step width	
2 steps	R1=4.8L/1000 + 11	R2=4.8L/1000 + 2.5	R1=5.5L/1000 + 11	R2=5.5L/1000 + 2.6
3 steps	R1=4.8L/1000 + 11.3	R2=4.8L/1000 + 3.1	R1=5.5L/1000 + 11.9	R2=5.5L/1000 + 3.3

- All dimensions are in millimeters
- Maximum vertical rise: H = 6000 mm
- Upper truss extension maximum 700 mm
- Lower truss extension maximum 700 mm
- Additional cladding material maximum 15 kg/m²

- (XXX)= Three horizontal steps
  - * = Balustrade height 900 mm
  - ** = Balustrade height 1000 mm
  - *** = Balustrade height 1100 mm
- (XXX)= Step width 800 mm
- For escalator with step width of 600 mm please contact your KONE sales office

1) Other local codes dimensional requirements are available upon request, please contact your local KONE Sales representative for more information.

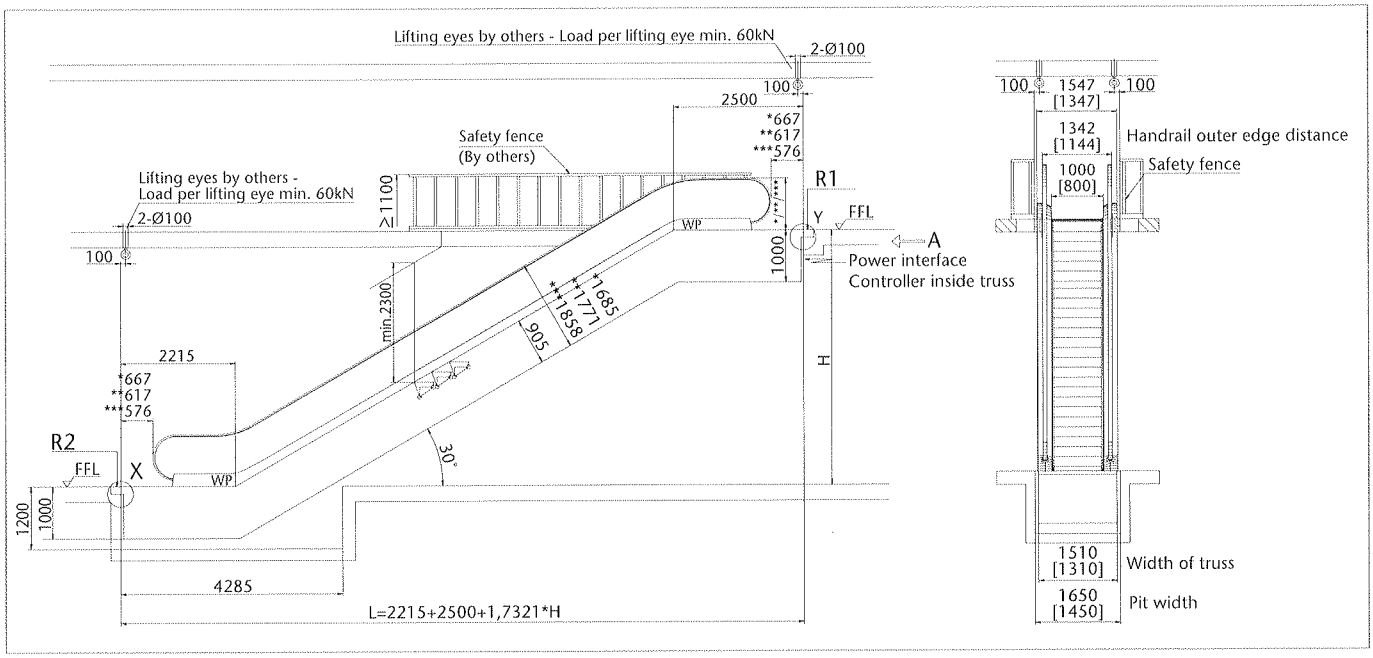
Note:
If you would like to obtain the exact dimensions for your specific project, we recommend you use the Escalator Design Tools, which can be found on www.kone.com.

KONE TravelMaster™ 110 planning dimensions

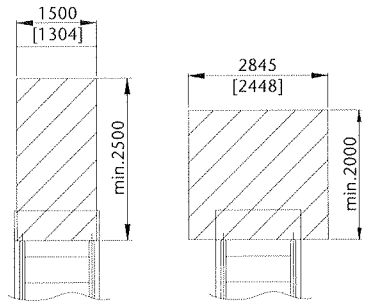
Architectural planning data

30° inclination / 1.0 transition radii / 2 horizontal steps at each landing / vertical rise up to 6 m

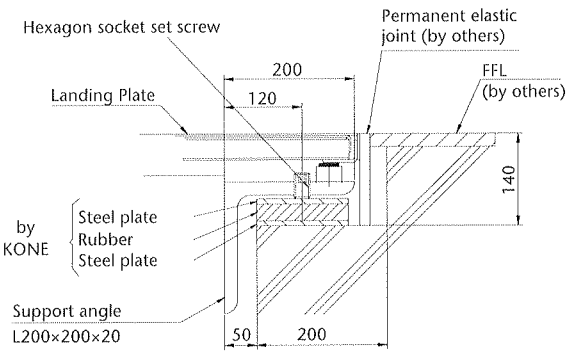
Code: EN 115-1:2008 + A1:2010[1)]



Passenger Circulation Area Requirements



Detail Y (Mirror image of X)



Reaction force (kN)

	800 mm step width		1000 mm step width	
2 steps	R1=4.8L/1000 + 10.4	R1=4.8L/1000 + 2.5	R1=5.5L/1000 + 11	R2=5.5L/1000 + 2.6

- All dimensions are in millimeters
- Maximum vertical rise: H = 6000 mm
- Upper truss extension maximum 700 mm
- Lower truss extension maximum 700 mm
- Additional cladding material maximum 15 kg/m²
  - * = Balustrade height 900 mm
  - ** = Balustrade height 1000 mm
  - *** = Balustrade height 1100 mm
- (XXX)= Step width 800 mm
- For escalator with step width of 600 mm please contact your KONE sales office

1) Other local codes dimensional requirements are available upon request, please contact your local KONE Sales representative for more information.

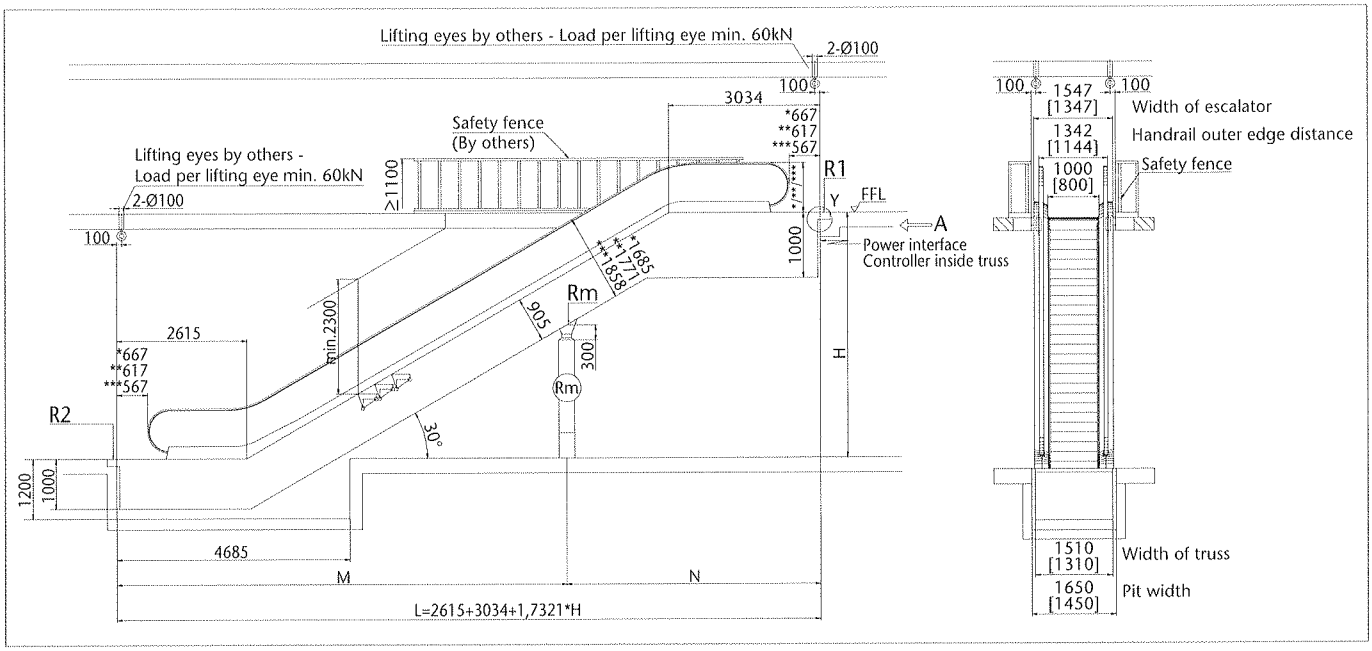
Note:
If you would like to obtain the exact dimensions for your specific project, we recommend you use the Escalator Design Tools, which can be found on www.kone.com.

KONE TravelMaster™ 110 planning dimensions

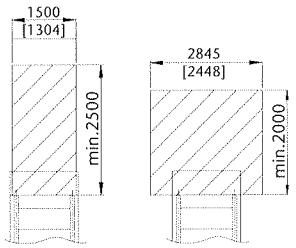
Architectural planning data

30° inclination / 1.5 transition radii / 3 horizontal steps at each landing / vertical rise up to 6 m

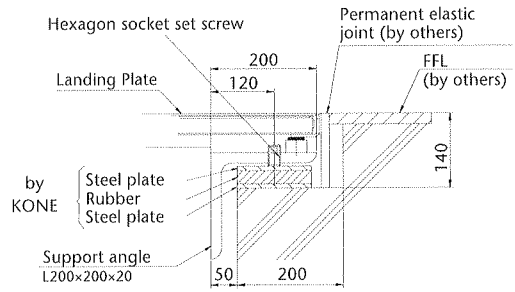
Code: EN 115-1:2008 + A1:2010[1)]



Passenger Circulation Area Requirements



Detail Y (Mirror image of X)



Reaction force (kN)				
	800 mm step width		1000 mm step width	
L > 16370 mm	R1=4.8*N	R2=4.8*M	R1=4*N	R2=4*M
	Rm=5.5L/1000 + 38		Rm=5.5L/1000 + 38	
L ≤ 16370 mm	R1=4.8L/1000 + 11.3	R2=4.8L/1000 + 3.1	R1=5.5L/1000 + 11.9	R2=5.5L/1000 + 3.3

- All dimensions are in millimeters
- Maximum vertical rise: H = 6000 mm
- Upper truss extension maximum 700 mm
- Lower truss extension maximum 700 mm
- Intermediate support starting from L > 16370 mm
- Additional cladding material maximum 15 kg/m²
  - * = Balustrade height 900 mm
  - ** = Balustrade height 1000 mm
  - *** = Balustrade height 1100 mm
- (XXX)= Step width 800 mm
- For escalator with step width of 600 mm please contact your KONE sales office

Position of intermediate support	
Span (mm)	M (mm)
16371 - 19330	9053 + X
19331 - 21410	10092 + X
21441 - 23490	11131 + X

X = truss extension at bottom

1) Other local codes dimensional requirements are available upon request, please contact your local KONE Sales representative for more information.

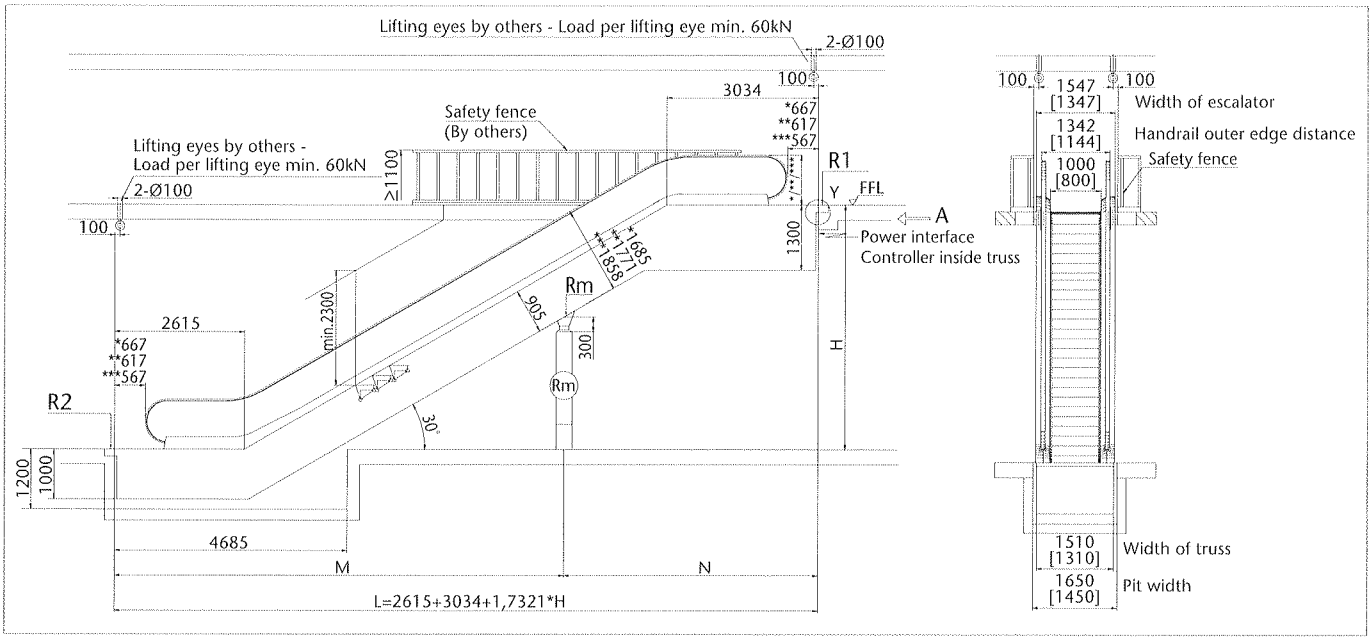
Note:
There is a possibility of having an escalator without intermediate support however a reinforced truss is required. Please contact KONE for more dimensional information.
If you would like to obtain the exact dimensions for your specific project, we recommend you use the Escalator Design Tools, which can be found on www.kone.com.

KONE TravelMaster™ 110 planning dimensions

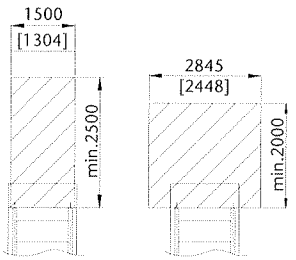
Architectural planning data

30° inclination / 1.5 transition radii / 3 horizontal steps at each landing / vertical rise from 6 m – 9.5 m

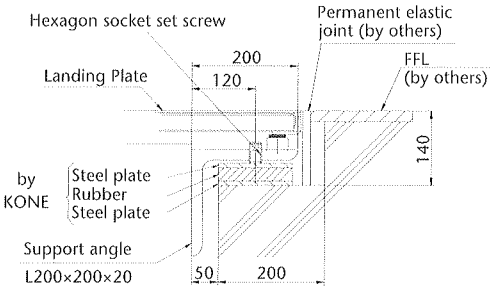
Code: EN 115-1:2008 + A1:2010[1)]



Passenger Circulation Area Requirements



Detail Y (Mirror image of X)



Reaction force (kN)

	800 mm step width		1000 mm step width	
L > 16370 mm	R1=4.8*N	R2=4.8*M	R1=4*N	R2=4*M
	Rm=5.5L/1000 + 38		Rm=5.5L/1000 + 38	
L ≤ 16370 mm	R1=4.8L/1000 + 11.3	R2=4.8L/1000 + 3.1	R1=5.5L/1000 + 11.9	R2=5.5L/1000 + 3.3

- All dimensions are in millimeters
- Maximum vertical rise: H = From 6 m to 9.5 m
- Upper truss extension maximum 700 mm
- Lower truss extension maximum 700 mm
- Intermediate support starting from L > 16370 mm
- Additional cladding material maximum 15 kg/m²
  - * = Balustrade height 900 mm
  - ** = Balustrade height 1000 mm
  - *** = Balustrade height 1100 mm
- (XXX)= Step width 800 mm
- For escalator with step width of 600 mm please contact your KONE sales office

Position of intermediate support

Span (mm)	M (mm)
16371 - 19330	9053 + X
19331 - 21410	10092 + X
21441 - 23490	11131 + X

X = truss extension at bottom

1) Other local codes dimensional requirements are available upon request, please contact your local KONE Sales representative for more information.

Note:
There is a possibility of having an escalator without intermediate support however a reinforced truss is required. Please contact KONE for more dimensional information.
If you would like to obtain the exact dimensions for your specific project, we recommend you use the Escalator Design Tools, which can be found on www.kone.com.

KONE provides innovative and eco-efficient solutions for elevators, escalators and automatic building doors. We support our customers every step of the way; from design, manufacturing and installation to maintenance and modernization. KONE is a global leader in helping our customers manage the smooth flow of people and goods throughout their buildings.

Our commitment to customers is present in all KONE solutions. This makes us a reliable partner throughout the life-cycle of the building. We challenge the conventional wisdom of the industry. We are fast, flexible, and we have a well-deserved reputation as a technology leader, with such innovations as KONE MonoSpace® KONE MaxiSpace™, and KONE InnoTrack™. You can experience these innovations in architectural landmarks such as the Trump Tower in Chicago, the 30 St Mary Axe building in London, the Schiphol Airport in Amsterdam and the Beijing National Grand Theatre in China.

KONE employs over 34,000 dedicated experts to serve you in around 50 countries.

KONE Corporation

www.kone.com

Singapore
KONE PTE LTD
151 Lorong Chuan
#05-06 New Tech Park,
(Lobby F), Singapore 556741
Tel: +65 6424 6246
Fax: +65 6424 6346
www.kone.sg

Malaysia, Kuala Lumpur
(main branch)
KONE ELEVATOR (M) SDN BHD
Suite 3.02, 3rd Floor
Wisma Ali Bawal 2
11, Jalan Tandang
46050 Petaling Jaya
Selangor Darul Ehsan, Malaysia
Tel: +603 7494 7500
Fax: +603 7784 1263
www.kone.my

Malaysia, Penang
KONE ELEVATOR (M) SDN BHD
Suite 11-01, Menara IJM Land
No. 1, Lebuh Tunku Kudin 3
11700 Gelugor, Penang, Malaysia
Tel: +604 656 3222
Fax: +604 657 3222
www.kone.my

Malaysia, Johor Bahru
KONE ELEVATOR (M) SDN BHD
No. 65A, Jalan Sutera Tanjung 8/2
Taman Sutera Ultama
81300 Skudai Johor,
Malaysia
Tel: +607 5544 810
Fax: +607 5544 812
www.kone.my

Thailand
KONE PUBLIC COMPANY LIMITED
555 Rasa Tower2, 26th Floor
Phaholyothin Road, Chatuchak,
Chatuchak, Bangkok 10900
Thailand
Tel: +66 2784 6500
Fax: +66 2937 1263
www.kone.co.th

Indonesia, Jakarta
(main branch)
KEM Tower, 7th Floor
Jl. Landasan Pacu Barat Blok B10 Kav. No.2
Gunung Sahari Selatan, Kemayoran
Jakata Pusat 10610, Indonesia
Tel: +62 21 6570 3990
Fax: +62 21 6570 3950
www.kone.co.id

Indonesia, Surabaya
PT. KONE INDO ELEVATOR
Komplek Ruko Gate Way
Blok B 32-33, Jl. Raya Waru-Sidoarjo
61256, Indonesia
Tel: +62 31 855 6383
Fax: +62 31 855 4110
www.kone.co.id

Indonesia, Bali
PT. KONE INDO ELEVATOR
Jl. By Pass Ngurah Rai No. 61 X
Jimbaran - Bali 80361
Indonesia
Tel: +62 361 785 8383
Fax: +62 361 790 5918
www.kone.co.id

Philippines
KPI ELEVATORS INC.
2nd Floor,
Kings Court2 Building,
2129 Chino Roces Avenue
Makati City, Philippines
Tel: +63 2 811 2929
Fax: +63 2 811 2466
www.kone.ph

Vietnam
KONE VIETNAM LLC
Centerpoint Building, 6th Floor
106 Nguyen Van Troi Street
Ward 8, Phu Nhuan District
Ho Chi Minh City, Vietnam
Tel: +84 8 3997 5373
Fax: +84 8 3997 4964
www.kone.vn

Vietnam
KONE Vietnam LLC
12Ath Floor, CDC Building ,
25 - 27 Le Dai Hanh Street ,
Hai Ba Trung District,
Hanoi City, Vietnam
Tel: +84 4 3974 9445
Fax: +84 4 3974 9446
www.kone.vn

This publication is for general informational purposes only and we reserve the right at any time to alter the product design and specifications. No statement this publication contains shall be construed as a warranty or condition, express or implied, as to any product, its fitness for any particular purpose, merchantabil ty, quality or representation of the terms of any purchase agreement. Minor differences between printed and actual colors may exist. KONE, KONE MonoSpace®, KONE EcoDisc®, KONE People Flex™ and KONE TranSys™ are reglstered trademarks of KONE Corporation. Copyright © 2009 KONE Corporation.

7281