

Indoor Unit

High Static Pressure







Adaptive Ducted

Control all aspects of your environment with exceptional performance and quiet operation. Vertical installation flexibility offers the perfect solution when ceiling heights are restricted.

nanoe™ X
 nanoe™ X as a standard*
*nanoe X Generator Mark 2

ECONAVI

ECONAVI ready

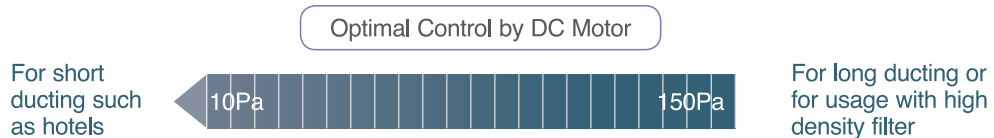
- 
Self-diagnosing Function
- 
Automatic Fan Operation
- 
Dry mode
- 
Automatic Restart Function
- 
Built-in Drain Pump
- 
DC Motor

Technical focus

- Space saving 250mm height
- Accurate temperature control to reduce cold drafts during operation
- DC fan motor for variable external static pressure control
- Configurable air temperature control
- Easy to install and maintain

Variable external static pressure control

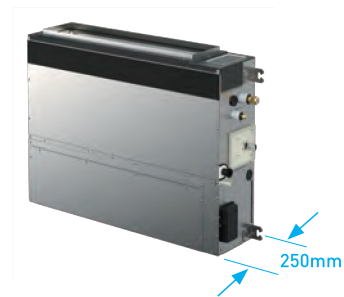
Optimal airflow set-up is possible for different ducting design and conditions.



Note: Please refer to technical documents for detail.

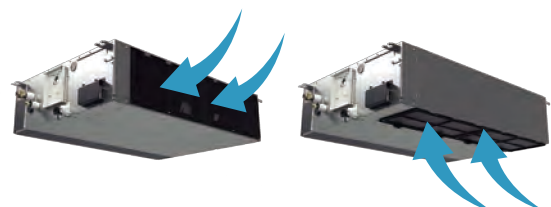
Powerful 150Pa external static pressure in an industry-leading vertical installation design

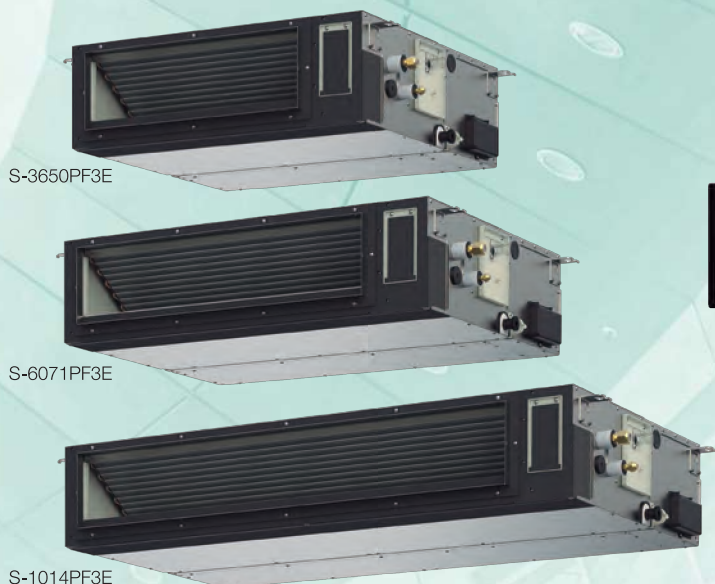
Delivering static pressure up to 150Pa external static pressure, the industry-leading horizontal/vertical design offers the power you need in a compact form factor.



Selectable air inlet position

A removable panel allows air inlet position to be adjusted to enable rear or bottom entry, depending on ductwork installation.





CZ-RTC6
CZ-RTC6BL
CZ-RTC6BLW



CZ-RTC5B



CZ-RTC4



CZ-CAPWFC1



CZ-CENSC1

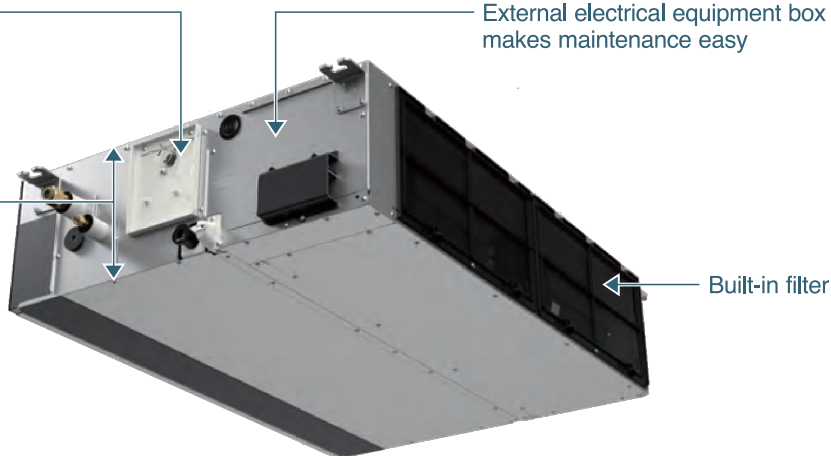
Note: Product image not to scale.

Built-in Drain pump
(DC motor pump)

External electrical equipment box
makes maintenance easy

Space saving height of
250mm for all models

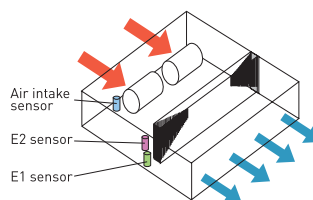
250mm standardised height provides easy and uniform installation for models with different capacities, especially when ceiling heights are restricted.



Discharge air temperature control

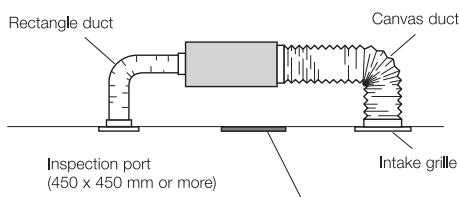
- Possible to control discharge air temperature for accurate room temperature control.
- Possible to reduce cold drafts during heating operation.

Note: Before spec-in, please consult with an authorised Panasonic dealer.



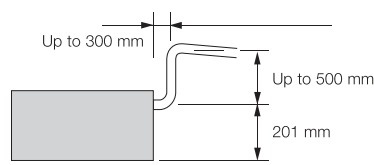
System example

An inspection port (450 mm x 450 mm or larger) is required at the lower side of the indoor unit body.



More powerful drain pump

Using a high-lift built-in drain pump, drain piping can be elevated up to 701 mm from the base of the unit.



Indoor Unit: High Static Pressure Adaptive Ducted

Specifications of R32 Deluxe Model

Capacity		6.8kW		9.5kW		12.1kW	
Model Name	Indoor Unit	S-6071PF3E		S-1014PF3E		S-1014PF3E	
	Outdoor Unit	U-71PZH3R5		U-100PZH3R5		U-100PZH3R8	
Cooling capacity : Heating capacity	kW	6.8 (2.2 - 7.8) 7.5 (2.0 - 9.0)		9.5 (3.1 - 11.4) 10.8 (3.1 - 13.5)		9.5 (3.1 - 11.4) 10.8 (3.1 - 13.5)	
		BTU/h		32,400 (10,600 - 38,900) 36,800 (10,600 - 46,100)		32,400 (10,600 - 38,900) 36,800 (10,600 - 46,100)	
EER : COP	W/W	3.74 : 4.03		4.17 : 3.97		4.17 : 3.97	
COP@H2 condition	W/W	2.96		2.90		2.90	
Total power input	Cooling : Heating kW	1.82 : 1.86		2.28 : 2.72		2.28 : 2.72	
		Residential		Hot Climate		Hot Climate	
TCSPF : HSPF	Residential	Average Climate		5.93 : 5.57		5.93 : 5.57	
		Cold Climate		5.21 : 4.70		5.21 : 4.70	
		Cold Climate		4.82 : 4.13		5.29 : 4.21	
	Commercial	Hot Climate		6.59 : 5.61		6.59 : 5.61	
		Average Climate		6.25 : 5.08		6.75 : 5.13	
		Cold Climate		6.76 : 4.56		7.28 : 4.65	
Indoor Unit							
Power source	Phase/Hz	1 Phase / 50Hz		1 Phase / 50Hz		1 Phase / 50Hz	
	V	230V 240V		230V 240V		230V 240V	
Dimension H x W x D	Indoor	mm		250 x 1,400 x 730		250 x 1,400 x 730	
Net weight	Indoor	kg		30		39	
Air volume (H/M/L)	Cooling : Heating	L/s		350 / 317 / 250 : 350 / 317 / 250		534 / 434 / 350 : 534 / 434 / 350	
External static pressure		Pa		30 (10 - 150)		40 (10 - 150)	
Sound pressure level (H/M/L)	Cooling : Heating	dB(A)		30 / 26 / 23 : 30 / 26 / 23		33 / 29 / 25 : 33 / 29 / 25	
Sound power level (H/M/L)	Cooling : Heating	dB		53 / 49 / 46 : 53 / 49 / 46		56 / 52 / 48 : 56 / 52 / 48	
Number of fan speeds				5		5	
Drain piping	mm	VP-20		VP-20		VP-20	
Outdoor Unit							
Power source	Phase/Hz	1 Phase / 50Hz		1 Phase / 50Hz		3 Phase / 50Hz	
	V	230V 240V		230V 240V		400V 415V	
Current (rated)	Cooling : Heating	A		8.60 : 8.60 8.25 : 8.35		10.8 : 12.7 10.3 : 12.2	
Dimensions H x W x D	Indoor	mm		996 x 940 x 340		1,416 x 940 x 340	
Net weight	Indoor	kg		66		99	
Air volume	Cooling : Heating	L/s		1,018 : 1,002		1,970 : 1,803	
Sound pressure level (Silent mode)	Cooling : Heating	dB(A)		48 (46) : 50 (48)		52 (50) : 52 (50)	
Sound power level (Silent mode)	Cooling : Heating	dB		64 (62) : 66 (64)		68 (66) : 68 (66)	
Piping connections	Liquid / Gas	mm		Ø9.52 / Ø15.88		Ø9.52 / Ø15.88	
Pipe length range	min. - max.	m		5 - 50		5 - 85	
Elevation difference (OU located lower, OU located higher)	m	15, 30		15, 30		15, 30	
Maximum chargeless length	m	30		30		30	
Refrigerant at shipping / Additional gas amount	g	R32 1,950 / 45 (g/m)		R32 3,050 / 45 (g/m)		R32 3,050 / 45 (g/m)	
Operation ranges	Cooling : Heating °C	-15 to 48 : -20 to 24		-15 to 48 : -20 to 24		-15 to 48 : -20 to 24	

Specifications of R32 Compact Model

Capacity		3.4kW		4.6kW		5.7kW		6.8kW	
Model Name	Indoor Unit	S-3650PF3E		S-3650PF3E		S-6071PF3E		S-6071PF3E	
	Outdoor Unit	U-36PZ3R5		U-50PZ3R5		U-60PZ3R5		U-71PZ3R5	
Cooling capacity : Heating capacity	kW	3.4 (1.3 - 4.0) 3.6 (1.3 - 4.6)		4.6 (1.5 - 5.3) 5.0 (1.5 - 5.9)		5.7 (2.0 - 6.3) 5.7 (1.8 - 7.0)		6.8 (2.6 - 7.7) 6.8 (2.1 - 8.1)	
		BTU/h		11,600 (4,400 - 13,600) 12,300 (4,400 - 15,700)		15,700 (5,100 - 18,100) 17,100 (5,100 - 20,100)		19,400 (6,800 - 21,500) 19,400 (6,100 - 23,900)	
EER : COP	W/W	3.78 : 4.29		3.19 : 3.62		3.54 : 4.04		3.18 : 4.00	
COP@H2 condition	W/W	3.09		3.33		3.09		2.84	
Total power input	Cooling : Heating kW	0.900 : 0.840		1.44 : 1.38		1.61 : 1.41		2.14 : 1.70	
		Residential		Hot Climate		Hot Climate			
TCSPF : HSPF	Residential	Average Climate		4.67 : 5.09		5.19 : 5.76		4.57 : 5.26	
		Cold Climate		4.23 : 4.31		4.67 : 4.83		4.23 : 4.42	
		Cold Climate		4.36 : 4.06		4.29 : 3.79		4.82 : 4.13	
	Commercial	Hot Climate		5.77 : 5.01		5.22 : 5.13		5.69 : 5.77	
		Average Climate		5.84 : 4.72		5.96 : 4.69		6.00 : 5.23	
		Cold Climate		6.41 : 4.31		6.69 : 4.19		6.54 : 4.60	
Indoor Unit									
Power source	Phase/Hz	1 Phase / 50Hz		1 Phase / 50Hz		1 Phase / 50Hz		1 Phase / 50Hz	
	V	230V 240V		230V 240V		230V 240V		230V 240V	
Dimensions H x W x D	Indoor	mm		250 x 800 x 730		250 x 800 x 730		250 x 1,000 x 730	
Net weight	Indoor	kg		25		30		30	
Air volume (H/M/L)	Cooling : Heating	L/s		233 / 217 / 167 : 233 / 217 / 167		267 / 250 / 200 : 267 / 250 / 200		350 / 317 / 250 : 350 / 317 / 250	
External static pressure		Pa		30 (10 - 150)		30 (10 - 150)		30 (10 - 150)	
Sound pressure level (H/M/L)	Cooling : Heating	dB(A)		30 / 27 / 22 : 30 / 27 / 22		34 / 30 / 25 : 34 / 30 / 25		30 / 26 / 23 : 30 / 26 / 23	
Sound power level (H/M/L)	Cooling : Heating	dB		53 / 50 / 45 : 53 / 50 / 45		57 / 53 / 48 : 57 / 53 / 48		53 / 49 / 46 : 53 / 49 / 46	
Number of fan speeds				5		5		5	
Drain piping	mm	VP-20		VP-20		VP-20		VP-20	
Outdoor Unit									
Power source	Phase/Hz	1 Phase / 50Hz		1 Phase / 50Hz		1 Phase / 50Hz		1 Phase / 50Hz	
	V	230V 240V		230V 240V		230V 240V		230V 240V	
Current (rated)	Cooling : Heating	A		4.00 : 3.80 3.85 : 3.55		6.40 : 6.20 6.10 : 5.95		7.15 : 6.25 6.85 : 6.00	
Dimensions H x W x D	Indoor	mm		619 x 824 x 299		619 x 824 x 299		695 x 875 x 320	
Net weight	Indoor	kg		31		43		50	
Air volume	Cooling : Heating	L/s		561 : 567		546 : 532		701 : 701	
Sound pressure level (Silent mode)	Cooling : Heating	dB(A)		48 (46) : 49 (47)		48 (46) : 49 (47)		49 (47) : 49 (47)	
Sound power level (Silent mode)	Cooling : Heating	dB		66 (64) : 67 (65)		66 (64) : 67 (65)		67 (65) : 67 (65)	
Piping connections	Liquid / Gas	mm		Ø6.35 / Ø12.7		Ø6.35 / Ø12.7		Ø6.35 / Ø12.7 ¹⁾	
Pipe length range	min. - max.	m		3 - 20		3 - 30		3 - 40	
Elevation difference (OU located lower, OU located higher)	m	15, 15		15, 15		15, 30		15, 30	
Maximum chargeless length	m	7.5		10		30		30	
Refrigerant at shipping, Additional gas amount	g	R32 870 / 10 (g/m)		R32 1,140 / 15 (g/m)		R32 1,130 / 15 (g/m)		R32 1,320 / 17 (g/m)	
Operating range	Cooling : Heating °C	-10 to 46 : -15 to 24		-10 to 46 : -15 to 24		-10 to 46 : -15 to 24		-10 to 46 : -15 to 24	

13.4kW		
S-1014PF3E	S-1014PF3E	S-1014PF3E
U-125PZH3R8	U-140PZH3R5	U-140PZH3R8
12.1 (3.2 - 13.6) 13.5 (3.2 - 15.4)	13.4 (3.3 - 15.3) 15.5 (3.3 - 17.4)	13.4 (3.3 - 15.3) 15.5 (3.3 - 17.4)
41,300 (10,900 - 46,400) 46,100 (10,900 - 52,500)	45,700 (11,300 - 52,200) 52,900 (11,300 - 59,400)	45,700 (11,300 - 52,200) 52,900 (11,300 - 59,400)
3.58 : 3.46	3.38 : 3.44	3.38 : 3.44
2.60	2.68	2.68
3.38 : 3.90	3.96 : 4.51	3.96 : 4.51
5.37 : 5.32	4.98 : 4.97	4.98 : 4.97
4.86 : 4.32	4.55 : 4.15	4.55 : 4.15
5.03 : 3.79	4.72 : 3.65	4.72 : 3.65
5.95 : 5.44	5.49 : 5.05	5.49 : 5.05
6.30 : 4.87	5.74 : 4.58	5.74 : 4.58
6.88 : 4.31	6.25 : 4.08	6.25 : 4.08
1 Phase / 50Hz 230V 240V	1 Phase / 50Hz 230V 240V	1 Phase / 50Hz 230V 240V
250 X 1,400 X 730	250 X 1,400 X 730	250 X 1,400 X 730
39	39	39
567 / 484 / 384 : 567 / 484 / 384	601 / 534 / 417 : 601 / 534 / 417	601 / 534 / 417 : 601 / 534 / 417
50 (10 - 150)	50 (10 - 150)	50 (10 - 150)
35 / 31 / 27 : 35 / 31 / 27	39 / 35 / 29 : 39 / 35 / 29	39 / 35 / 29 : 39 / 35 / 29
58 / 54 / 50 : 58 / 54 / 50	62 / 58 / 52 : 62 / 58 / 52	62 / 58 / 52 : 62 / 58 / 52
5	5	5
VP-20	VP-20	VP-20
3 Phase / 50Hz 400V 415V	1 Phase / 50Hz 230V 240V	3 Phase / 50Hz 400V 415V
5.30 : 6.10 5.15 : 5.90	18.7 : 21.1 17.9 : 20.2	6.30 : 7.15 6.05 : 6.90
1,416 x 940 x 340	1,416 x 940 x 340	1,416 x 940 x 340
99	99	99
2,087 : 1,870	2,154 : 1,937	2,154 : 1,937
53 (51) : 53 (51)	54 (52) : 54 (52)	54 (52) : 54 (52)
69 (67) : 69 (67)	70 (68) : 70 (68)	70 (68) : 70 (68)
Ø9.52 / Ø15.88	Ø9.52 / Ø15.88	Ø9.52 / Ø15.88
5 - 85	5 - 85	5 - 85
15, 30	15, 30	15, 30
30	30	30
R32 3,050 / 45 (g/m)	R32 3,050 / 45 (g/m)	R32 3,050 / 45 (g/m)
-15 to 48 : -20 to 24	-15 to 48 : -20 to 24	-15 to 48 : -20 to 24

Notes:

- In the case of standard installation (Horizontal installation in the ceiling, rear side air intake)
- In the case of nanoe X OFF
- In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
- AEER and ACOPI classification is at 230V(400V) only in accordance with GEMS2019.
- TCSPF, HSPF and Total Energy consumption indicate the value of average temperature zone.
- Indoor and outdoor sound levels are determined in an anechoic chamber and may differ once the unit is installed due to ambient conditions
- H : High at setting 5 stage (Level 5), M : Middle at setting 5 stage (Level 3), L : Low at setting 5 stage (Level 1) Noise of L is indicated by the values at FAN mode.

*1 For piping connection for 6.0kW unit, connect the gas socket tube (Ø12.7-Ø15.88) to the gas tubing side indoor unit and connect the liquid socket tube (Ø6.35-Ø9.52) to the liquid tubing side indoor unit.

*2 For piping connection for 7.1kW unit, connect the liquid socket tube (Ø6.35-Ø9.52) to the liquid tubing side indoor unit.

9.5kW		12.1kW		13.4kW	
S-1014PF3E	S-1014PF3E	S-1014PF3E	S-1014PF3E	S-1014PF3E	S-1014PF3E
U-100PZ3R5	U-100PZ3R8	U-125PZ3R5	U-125PZ3R8	U-140PZ3R5	U-140PZ3R8
9.5 (3.0 - 11.4) 9.5 (3.0 - 13.5)	9.5 (3.0 - 11.4) 9.5 (3.0 - 13.5)	12.1 (3.2 - 13.5) 12.1 (3.3 - 15.0)	12.1 (3.2 - 13.5) 12.1 (3.3 - 15.0)	13.4 (3.3 - 15.0) 13.4 (3.4 - 16.0)	13.4 (3.3 - 15.0) 13.4 (3.4 - 16.0)
32,400 (10,200 - 38,900) 32,400 (10,200 - 46,100)	32,400 (10,200 - 38,900) 32,400 (10,200 - 46,100)	41,300 (10,900 - 46,100) 41,300 (11,300 - 51,200)	41,300 (10,900 - 46,100) 41,300 (11,300 - 51,200)	45,700 (11,300 - 51,200) 45,700 (11,600 - 54,600)	45,700 (11,300 - 51,200) 45,700 (11,600 - 54,600)
3.57 : 4.09	3.57 : 4.09	3.40 : 3.56	3.40 : 3.56	3.16 : 3.76	3.16 : 3.76
2.88	2.88	2.82	2.82	2.73	2.73
2.66 : 2.32	2.66 : 2.32	3.56 : 3.40	3.56 : 3.40	4.24 : 3.56	4.24 : 3.56
5.24 : 5.04	5.24 : 5.04	4.90 : 5.01	4.90 : 5.01	4.75 : 4.93	4.75 : 4.93
4.52 : 4.52	4.52 : 4.52	4.42 : 4.21	4.42 : 4.21	4.33 : 4.18	4.33 : 4.18
4.62 : 4.06	4.62 : 4.06	4.52 : 3.68	4.52 : 3.68	4.47 : 3.63	4.47 : 3.63
5.87 : 4.99	5.87 : 4.99	5.40 : 5.06	5.40 : 5.06	5.26 : 5.01	5.26 : 5.01
5.91 : 4.68	5.91 : 4.68	5.81 : 4.60	5.81 : 4.60	5.78 : 4.59	5.78 : 4.59
6.49 : 4.31	6.49 : 4.31	6.36 : 4.10	6.36 : 4.10	6.40 : 4.05	6.40 : 4.05
1 Phase / 50Hz 230V 240V	1 Phase / 50Hz 230V 240V	1 Phase / 50Hz 230V 240V	1 Phase / 50Hz 230V 240V	1 Phase / 50Hz 230V 240V	1 Phase / 50Hz 230V 240V
250 x 1,400 x 730	250 x 1,400 x 730	250 x 1,400 x 730	250 x 1,400 x 730	250 x 1,400 x 730	250 x 1,400 x 730
39	39	39	39	39	39
534 / 434 / 350 : 534 / 434 / 350	534 / 434 / 350 : 534 / 434 / 350	567 / 484 / 384 : 567 / 484 / 384	567 / 484 / 384 : 567 / 484 / 384	601 / 534 / 417 : 601 / 534 / 417	601 / 534 / 417 : 601 / 534 / 417
40 (10 - 150)	40 (10 - 150)	50 (10 - 150)	50 (10 - 150)	50 (10 - 150)	50 (10 - 150)
33 / 29 / 25 : 33 / 29 / 25	33 / 29 / 25 : 33 / 29 / 25	35 / 31 / 27 : 35 / 31 / 27	35 / 31 / 27 : 35 / 31 / 27	39 / 35 / 29 : 39 / 35 / 29	39 / 35 / 29 : 39 / 35 / 29
56 / 52 / 48 : 56 / 52 / 48	56 / 52 / 48 : 56 / 52 / 48	58 / 54 / 50 : 58 / 54 / 50	58 / 54 / 50 : 58 / 54 / 50	62 / 58 / 52 : 62 / 58 / 52	62 / 58 / 52 : 62 / 58 / 52
5	5	5	5	5	5
VP-20	VP-20	VP-20	VP-20	VP-20	VP-20
1 Phase / 50Hz 230V 240V	3 Phase / 50Hz 400V 415V	1 Phase / 50Hz 230V 240V	3 Phase / 50Hz 400V 415V	1 Phase / 50Hz 230V 240V	3 Phase / 50Hz 400V 415V
12.7 : 11.1 12.2 : 10.6	4.20 : 3.70 4.05 : 3.55	16.5 : 15.7 15.8 : 15.1	5.45 : 5.20 5.25 : 5.05	19.6 : 16.5 18.8 : 16.8	6.50 : 5.45 6.30 : 5.25
996 x 980 x 370	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370
83	83	87	87	87	87
1,219 : 1,219	1,219 : 1,219	1,369 : 1,336	1,369 : 1,336	1,402 : 1,369	1,402 : 1,369
52 (50) : 52 (50)	52 (50) : 52 (50)	55 (53) : 55 (53)	55 (53) : 55 (53)	56 (54) : 56 (54)	56 (54) : 56 (54)
70 (68) : 70 (68)	70 (68) : 70 (68)	73 (71) : 73 (71)	73 (71) : 73 (71)	74 (72) : 74 (72)	74 (72) : 74 (72)
Ø9.52 / Ø15.88	Ø9.52 / Ø15.88	Ø9.52 / Ø15.88	Ø9.52 / Ø15.88	Ø9.52 / Ø15.88	Ø9.52 / Ø15.88
5 - 50	5 - 50	5 - 50	5 - 50	5 - 50	5 - 50
15, 30	15, 30	15, 30	15, 30	15, 30	15, 30
30	30	30	30	30	30
R32 2,400 / 45 (g/m)	R32 2,400 / 45 (g/m)	R32 2,800 / 45 (g/m)	R32 2,800 / 45 (g/m)	R32 2,800 / 45 (g/m)	R32 2,800 / 45 (g/m)
-10 to 46 : -15 to 24	-10 to 46 : -15 to 24	-10 to 46 : -15 to 24	-10 to 46 : -15 to 24	-10 to 46 : -15 to 24	-10 to 46 : -15 to 24