






-  **Indoor Units**
VRF indoor units
-  **Fresh Air Processing Unit**
100% fresh air supply
-  **Ventilation**
Heat recovery ventilator (HRV)
-  **AHU Connection Kit**
Connect to Midea or third party DX AHU
-  **Control Systems**
Smart control systems



VVR Cooltek CO Series Cooling Only

Optimized design
for small to large
buildings

- ▶ META Technology
- ▶ Zen Air Technology
- ▶ Doctor M Technology
- ▶ Triple Configurations
- ▶ High Efficiency G-Shape Heat Exchanger
- ▶ ESP up to 60Pa
- ▶ Precise Oil Control Technology
- ▶ Multi Silent Modes
- ▶ Duty Cycling
- ▶ Backup Operation
- ▶ Refrigerant Cooling PCB
- ▶ Dust-clean Function
- ▶ Automatic Refrigerant Detecting/Charging

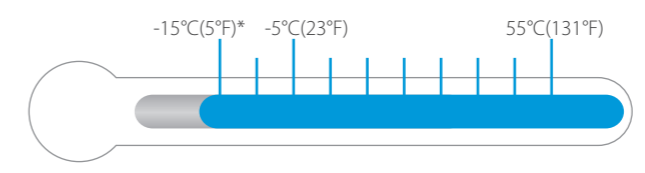
Wide Capacity Range

For single unit, the capacity is up to 30HP. For combined units, maximum three 30HP units can be combined with capacity up to 90HP.



Wide Operating Temperature Range

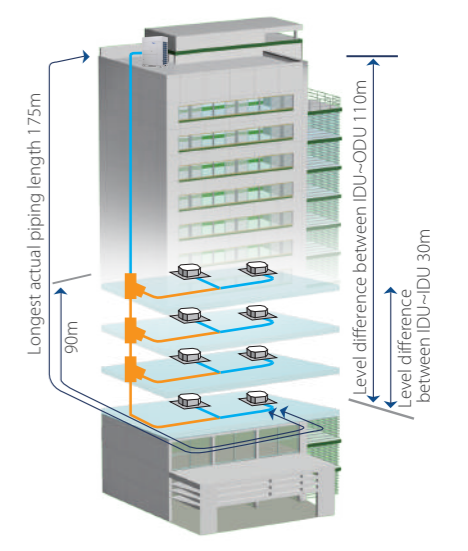
The VVR Cooltek CO can operate stably in a wide ambient temperature range: from -15°C(5°F)* to 55°C(131°F) in cooling mode.
* Cooling operation at -15°C(5°F) is available as a customization option.



Long Piping Capability

Piping length	Capability (m(ft.))
Total piping length	1000(3280)
Longest piping length-actual/equivalent	175/200(574/656)
Longest piping length after first branch	40/90*(131.2/295.2)
Largest level difference between IDUs and ODU-ODU up/down	90/110(131.2/360.8)
Largest level difference between IDUs	30(98.4)

*The longest length after first branch is 40m(131.2ft.) as standard but can be extended to up to 90m(295.2ft.) under certain conditions. Please contact your local dealer for further information.



V V R Cooltek CO Series- Cooling Only

220V, 3Ph, 50(60)Hz

HP			8	10	12
Model name			OURF-224WV2WN1	OURF-280WV2WN1	OURF-335WV2WN1
Power supply			220/3/50(60)		
Cooling ¹	Capacity	kW	22.4	28.0	33.5
		kBtu/h	76.5	95.6	114.4
	Power input	kW	5.25	7.10	8.90
	EER		4.27	3.94	3.76
Connected indoor unit	Total capacity		50-130%		
	Maximum quantity		13	16	20
Compressor	Type		DC inverter		
	Quantity		1		
Fan	Type		DC		
	Quantity		1		
	Motor output	kW	0.56		
	Static pressure	Pa(in.wg)	20(0.08) default;60(0.24) customization option		
Airflow rate	m ³ /h(CFM)		10400(6121)		10800(6357)
	Drive type		Direct		
Refrigerant	Type		R410A		
	Factory charge	kg(lbs)	8(17.6)		
Pipe connections ²	Liquid pipe	mm(inch)	Φ12.7(1/2)		
	Gas pipe	mm(inch)	Φ25.4(1)		Φ28.6(1-1/8)
Sound pressure level ³		dB(A)	57	58	60
	Net dimensions (WxHxD)	mm	960x1615x765		
inch		37-13/16x63-9/16x30-1/8			
Packed dimensions (WxHxD)	mm	1025x1790x830			
	inch	40-3/8x70-1/2x32-11/16			
Net weight	kg	193			
	lbs	425			
Gross weight	kg	209			
	lbs	461			
Ambient temp.	Cooling	°C (°F)	-5~55 (23~131)		

HP			14	16	18	20
Model name			OURF-400WV2WN1	OURF-450WV2WN1	OURF-500WV2WN1	OURF-560WV2WN1
Power supply			220/3/50(60)			
Cooling ¹	Capacity	kW	40.0	45.0	50.0	56.0
		kBtu/h	136.6	153.7	170.8	191.3
	Power input	kW	10.30	12.00	13.70	16.50
	EER		3.88	3.75	3.65	3.39
Connected indoor unit	Total capacity		50-130%			
	Maximum quantity		23	26	29	33
Compressor	Type		DC inverter			
	Quantity		1			
Fan	Type		DC			
	Quantity		1			
	Motor output	kW	0.75			
	Static pressure	Pa(in.wg)	20(0.08) default;60(0.24) customization option			
Airflow rate	m ³ /h(CFM)		11600(6828)		12000(7063)	12200(7181)
	Drive type		Direct			
Refrigerant	Type		R410A			
	Factory charge	kg(lbs)	11(24.3)			
Pipe connections ²	Liquid pipe	mm(inch)	Φ15.9(5/8)			
	Gas pipe	mm(inch)	Φ31.8(1-1/4)			
Sound pressure level ³		dB(A)	60	61	62	63
	Net dimensions (WxHxD)	mm	960x1615x765			
inch		37-13/16x63-9/16x30-1/8				
Packed dimensions (WxHxD)	mm	1025x1790x830				
	inch	40-3/8x70-1/2x32-11/16				
Net weight	kg	200				
	lbs	441				
Gross weight	kg	216				
	lbs	476				
Ambient temp.	Cooling	°C (°F)	-5~55 (23~131)			

- Notes:
 1. Indoor temperature 27°C(80.6°F) DB, 19°C(66.2°F) WB; outdoor temperature 35°C(95°F) DB; equivalent refrigerant piping length 7.5m(24.6ft.) with zero level difference.
 2. Diameters given are those of the unit's accessories.
 3. Sound pressure level is measured at a position 1m(3.28ft.) in front of the unit and 1.3m(4.26ft.) above the floor in a semi-anechoic chamber.

V V R Cooltek CO Series - Cooling Only

220V, 3Ph, 50(60)Hz

HP			22	24	26
Model name			OURF-615WV2WN1	OURF-670WV2WN1	MVC-730WV2WN1
Power supply			220/3/50(60)		
Cooling ¹	Capacity	kW	61.5	67.0	73.0
		kBtu/h	210.0	228.8	249.3
	Power input	kW	19.65	20.10	22.20
	EER		3.13	3.33	3.29
Connected indoor unit	Total capacity		50-130%		
	Maximum quantity		36	39	43
Compressor	Type		DC inverter		
	Quantity		2		
Fan	Type		DC		
	Quantity		2		
	Motor output	kW	0.56x2		
	Static pressure	Pa(in.wg)	20(0.08) default;60(0.24) customization option		
Airflow rate	m ³ /h(CFM)		12200(7181)		19600(11536)
	Drive type		Direct		
Refrigerant	Type		R410A		
	Factory charge	kg(lbs)	13(28.7)		
Pipe connections ²	Liquid pipe	mm(inch)	Φ15.9(5/8)		
	Gas pipe	mm(inch)	Φ31.8(1-1/4)	Φ31.8(1-1/4)	Φ34.9(1-3/8)
Sound pressure level ³		dB(A)	63		64
	Net dimensions (WxHxD)	mm	1250x1615x765		
inch		49-1/4x63-9/16x30-1/8			
Packed dimensions (WxHxD)	mm	1305x1790x820			
	inch	51-3/8x70-1/2x32-1/4			
Net weight	kg	296			
	lbs	653			
Gross weight	kg	313			
	lbs	690			
Ambient temp.	Cooling	°C (°F)	-5~55 (23~131)		

HP			28	30
Model name			OURF-785WV2WN1	OURF-850WV2WN1
Power supply			220/3/50(60)	
Cooling ¹	Capacity	kW	78.5	85.0
		kBtu/h	268.1	290.3
	Power input	kW	24.18	27.51
	EER		3.25	3.09
Connected indoor unit	Total capacity		50-130%	
	Maximum quantity		46	50
Compressor	Type		DC inverter	
	Quantity		2	
Fan	Type		DC	
	Quantity		2	
	Motor output	kW	0.56x2	
	Static pressure	Pa(in.wg)	20(0.08) default;60(0.24) customization option	
Airflow rate	m ³ /h(CFM)		20600(12125)	
	Drive type		Direct	
Refrigerant	Type		R410A	
	Factory charge	kg(lbs)	19(41.9)	
Pipe connections ²	Liquid pipe	mm(inch)	Φ19.1(3/4)	
	Gas pipe	mm(inch)	Φ34.9(1-3/8)	
Sound pressure level ³		dB(A)	64	
	Net dimensions (WxHxD)	mm	1585x1615x765	
inch		62-3/8x63-9/16x30-1/8		
Packed dimensions (WxHxD)	mm	1650x1810x840		
	inch	64-15/160x71-1/4x33-1/16		
Net weight	kg	352		
	lbs	776		
Gross weight	kg	376		
	lbs	829		
Ambient temp.	Cooling	°C (°F)	-5~55 (23~131)	

- Notes:
 1. Indoor temperature 27°C(80.6°F) DB, 19°C(66.2°F) WB; outdoor temperature 35°C(95°F) DB; equivalent refrigerant piping length 7.5m(24.6ft.) with zero level difference.
 2. Diameters given are those of the unit's accessories.
 3. Sound pressure level is measured at a position 1m(3.28ft.) in front of the unit and 1.3m(4.26ft.) above the floor in a semi-anechoic chamber.

V V R Cooltek CO Series - Cooling Only

220V, 3Ph, 50(60)Hz

HP	32		34		36		38		
Model name	OURF-900WV2WN1		OURF-950WV2WN1		OURF-1010WV2WN1		OURF-1065WV2WN1		
Combination type	16HP+16HP		22HP+12HP		20HP+16HP		22HP+16HP		
Power supply	V/Ph/Hz		220/3/50(60)						
Cooling ¹	Capacity	kW	90.0	95.0	101.0	106.5			
		kBtu/h	307.4	324.4	345.0	363.7			
	Power input	kW	24.00	28.55	28.50	31.65			
	EER		3.75	3.33	3.54	3.36			
Connected indoor unit	Total capacity		50-130%						
	Maximum quantity		53	56	59	63			
Compressor	Type		DC inverter						
	Quantity		2		3				
	Oil type		FV 50s						
	Start-up method		Soft start						
Fan	Type		DC						
	Quantity		2		3				
	Motor output	kW	0.75x2	0.56x3	0.56x2+0.75				
	Static pressure	Pa(in.wg)	20(0.08) default; 60(0.24) customization option						
	Airflow rate	m ³ /h	23200	23000	23800				
		CFM	13655	13537	14008				
Refrigerant	Type		Direct R410A						
	Factory charge	kg	11x2	13+8	13+11				
Pipe connections ²	Liquid pipe	mm(inch)	Φ19.1(3/4)	Φ19.1(3/4)	Φ19.1(3/4)				
	Gas pipe	mm(inch)	Φ31.8(1-1/4)	Φ31.8(1-1/4)	Φ38.1(1-1/2)				
Sound pressure level ³		dB(A)	64	65					
Net dimensions (WxHxD)		mm	(960x1615x765)x2		(1250x1615x765)+(960x1615x765)				
		inch	(37-13/16x63-9/16x30-1/8)x2		(49-7/32x63-9/16x30-1/8)+(37-13/16x63-9/16x30-1/8)				
Packed dimensions (WxHxD)		mm	(1025x1790x830)x2		(1305x1790x820)+(1025x1790x830)				
		inch	(40-3/8x70-1/2x32-11/16)x2		(51-3/8x70-1/2x32-11/16)+(40-3/8x70-1/2x32-11/16)				
Net weight		kg	200x2	296+193	296+200				
		lbs	441x2	653+425	653+441				
Gross weight		kg	216x2	313+209	313+216				
		lbs	476x2	690+461	690+476				
Ambient temp. Cooling		°C (°F)	-5~55 (23~131)						

HP	40		42		44	
Model name	OURF-1120WV2WN1		OURF-1180WV2WN1		OURF-1235WV2WN1	
Combination type	24HP+16HP		26HP+16HP		28HP+16HP	
Power supply	V/Ph/Hz		220/3/50(60)			
Cooling ¹	Capacity	kW	112.0	118.0	123.5	
		kBtu/h	382.5	403.0	421.8	
	Power input	kW	32.10	34.20	36.18	
	EER		3.49	3.45	3.41	
Connected indoor unit	Total capacity		50-130%			
	Maximum quantity		64			
Compressor	Type		DC inverter			
	Quantity		3			
	Oil type		FV 50s			
	Start-up method		Soft start			
Fan	Type		DC			
	Quantity		3			
	Motor output	kW	0.56x2+0.75			
	Static pressure	Pa(in.wg)	20(0.08) default; 60(0.24) customization option			
	Airflow rate	m ³ /h	31200		32200	
		CFM	18364		18952	
Refrigerant	Type		Direct R410A			
	Factory charge	kg	19+11	41.9+24.3		
Pipe connections ²	Liquid pipe	mm(inch)	Φ19.1(3/4)		Φ19.1(3/4)	
	Gas pipe	mm(inch)	Φ38.1(1-1/2)		Φ38.1(1-1/2)	
Sound pressure level ³		dB(A)	65		66	
Net dimensions (WxHxD)		mm	(1585x1615x765)+(960x1615x765)			
		inch	(62-3/8x63-9/16x30-1/8)+(37-13/16x63-9/16x30-1/8)			
Packed dimensions (WxHxD)		mm	(1650x1810x840)+(1025x1790x830)			
		inch	(64-15/160x71-1/4x33-1/16)+(40-3/8x70-1/2x32-11/16)			
Net weight		kg	352+200		352+200	
		lbs	776+441		776+441	
Gross weight		kg	376+216		376+216	
		lbs	829+476		829+476	
Ambient temp. Cooling		°C (°F)	-5~55 (23~131)			

- Notes:
- Indoor temperature 27°C(80.6°F) DB, 19°C(66.2°F) WB; outdoor temperature 35°C(95°F) DB; equivalent refrigerant piping length 7.5m(24.6ft.) with zero level difference.
 - Diameters given are those for the pipe connecting the outdoor unit combination to the first indoor branch joint for systems with total equivalent liquid piping lengths of less than 90m(295.2ft.). For systems with total equivalent liquid piping lengths of 90m(295.2ft.) or longer, please refer to the VC Pro Series Engineering Data Book for connection piping diameters.
 - Sound pressure level is measured at a position 1m(3.28ft.) in front of the unit and 1.3m(4.26ft.) above the floor in a semi-anechoic chamber.

V V R Cooltek CO Series - Cooling Only

220V, 3Ph, 50(60)Hz

HP	46		48		50		52	
Model name	OURF-1300WV2WN1		OURF-1345WV2WN1		OURF-1400WV2WN1		MVC-1465WV2WN1	
Combination type	30HP+16HP		26HP+22HP		28HP+22HP		30HP+22HP	
Power supply	V/Ph/Hz		220/3/50(60)					
Cooling ¹	Capacity	kW	130.0	134.5	140.0	146.5		
		kBtu/h	444.0	459.3	478.1	500.3		
	Power input	kW	39.51	41.85	43.83	47.16		
	EER		3.29	3.21	3.19	3.11		
Connected indoor unit	Total capacity		50-130%					
	Maximum quantity		64				49.74	
Compressor	Type		DC inverter				2.95	
	Quantity		3		4			
	Oil type		FV 50s					
	Start-up method		3		4			
Fan	Type		DC					
	Quantity		3		4			
	Motor output	kW	0.56x2+0.75		0.56x4			
	Static pressure	Pa(in.wg)	20(0.08) default; 60(0.24) customization option					
	Airflow rate	m ³ /h	32200		31800		32800	
		CFM	18952		18717		19305	
Refrigerant	Type		Direct R410A					
	Factory charge	kg	19+11	19+13		19+13		
Pipe connections ²	Liquid pipe	mm(inch)	41.9+24.3		41.9+28.7			
	Gas pipe	mm(inch)	Φ19.1(3/4)		Φ38.1(1-1/2)			
Sound pressure level ³		dB(A)	66					
Net dimensions (WxHxD)		mm	(1585x1615x765)+(960x1615x765)		(1585x1615x765)+(1250x1615x765)			
		inch	(62-3/8x63-9/16x30-1/8)+(37-13/16x63-9/16x30-1/8)		(62-3/8x63-9/16x30-1/8)+(49-1/4x63-9/16x30-1/8)			
Packed dimensions (WxHxD)		mm	(1650x1810x840)+(1025x1790x830)		(1650x1810x840)+(1305x1790x820)			
		inch	(64-15/160x71-1/4x33-1/16)+(40-3/8x70-1/2x32-11/16)		(64-15/160x71-1/4x33-1/16)+(51-3/8x70-1/2x32-1/4)			
Net weight		kg	352+200		352+296			
		lbs	776+441		776+653			
Gross weight		kg	376+216		376+313			
		lbs	829+476		829+690			
Ambient temp. Cooling		°C (°F)	-5~55 (23~131)					

HP	54		56		58	
Model name	OURF-1515WV2WN1		OURF-1570WV2WN1		OURF-1635WV2WN1	
Combination type	28HP+26HP		28HP+28HP		30HP+28HP	
Power supply	V/Ph/Hz		220/3/50(60)			
Cooling ¹	Capacity	kW	151.5	157.0	163.5	
		kBtu/h	517.4	536.2	558.4	
	Power input	kW	46.38	48.36	51.69	
	EER		3.27	3.25	3.16	
Connected indoor unit	Total capacity		50-130%			
	Maximum quantity		64			
Compressor	Type		DC inverter			
	Quantity		4			
	Oil type		FV 50s			
	Start-up method		4			
Fan	Type		DC			
	Quantity		4			
	Motor output	kW	0.56x4			
	Static pressure	Pa(in.wg)	20(0.08) default; 60(0.24) customization option			
	Airflow rate	m ³ /h	40200		41200	
		CFM	23661		24250	
Refrigerant	Type		Direct R410A			
	Factory charge	kg	19x2	41.9x2		
Pipe connections ²	Liquid pipe	mm(inch)	Φ19.1(3/4)		Φ19.1(3/4)	
	Gas pipe	mm(inch)	Φ38.1(1-1/2)		Φ41.2(1-5/8)	
Sound pressure level ³		dB(A)	66		66	
Net dimensions (WxHxD)		mm	(1585x1615x765)x2		(1585x1615x765)x2	
		inch	(62-3/8x63-9/16x30-1/8)x2		(62-3/8x63-9/16x30-1/8)x2	
Packed dimensions (WxHxD)		mm	(1650x1810x840)x2		(1650x1810x840)x2	
		inch	(64-15/160x71-1/4x33-1/16)x2		(64-15/160x71-1/4x33-1/16)x2	
Net weight		kg	352x2		352x2	
		lbs	776x2		776x2	
Gross weight		kg	376x2		376x2	
		lbs	829x2		829x2	
Ambient temp. Cooling		°C (°F)	-5~55 (23~131)			

- Notes:
- Indoor temperature 27°C(80.6°F) DB, 19°C(66.2°F) WB; outdoor temperature 35°C(95°F) DB; equivalent refrigerant piping length 7.5m(24.6ft.) with zero level difference.
 - Diameters given are those for the pipe connecting the outdoor unit combination to the first indoor branch joint for systems with total equivalent liquid piping lengths of less than 90m(295.2ft.). For systems with total equivalent liquid piping lengths of 90m(295.2ft.) or longer, please refer to the VC Pro Series Engineering Data Book for connection piping diameters.
 - Sound pressure level is measured at a position 1m(3.28ft.) in front of the unit and 1.3m(4.26ft.) above the floor in a semi-anechoic chamber.

V V R Cooltek CO Series - Cooling Only

220V, 3Ph, 50(60)Hz

HP	60		62		64		66		
Model name	OURF-1700W2WN1		OURF-1750W2WN1		OURF-1795W2WN1		OURF-1850W2WN1		
Combination type	30HP+30HP		30HP+16HP+16HP		26HP+22HP+16HP		28HP+22HP+16HP		
Power supply	V/Ph/Hz		220/3/50(60)		220/3/50(60)		220/3/50(60)		
Cooling ¹	Capacity	kW	170.0	175.0	179.5	185.0			
		kBtu/h	580.6	597.8	613.0	631.8			
	Power input	kW	55.02	51.51	53.85	55.83			
	EER		3.09	3.40	3.33	3.31			
Connected indoor unit	Total capacity		50-130%						
	Maximum quantity		64						
Compressor	Type		DC inverter						
	Quantity		4		5				
	Oil type		FV 50s						
	Start-up method		Soft start						
	Drive type		DC						
Fan	Type		4		5				
	Quantity		4		5				
	Motor output	kW	0.56x4	0.56x2+0.75x2		0.56x4+0.75			
	Static pressure	Pa(in.wg)	20(0.08) default; 60(0.24) customization option						
	Airflow rate	m ³ /h	43800	43800		44400			
	CFM	24250	25780		25544				
Refrigerant	Drive type		Direct						
	Type		R410A						
Factory charge	kg	19x2	19+11x2		19+13+11				
	lbs	41.9x2	41.9+24.3x2		41.9+28.7+24.3				
Pipe connections ²	Liquid pipe	mm(inch)	Φ19.1(3/4)						
	Gas pipe	mm(inch)	Φ41.2(1-5/8)						
Sound pressure level ³		66							
Net dimensions (WxHxD)	mm	(1585x1615x765)x2		(1585x1615x765)+(960x1615x765)x2		(1585x1615x765)+(1250x1615x765)+(960x1615x765)			
	inch	(62-3/8x63-9/16x30-1/8)x2		(62-3/8x63-9/16x30-1/8)+(37-13/16x63-9/16x30-1/8)		(62-3/8x63-9/16x30-1/8)+(49-1/4x63-9/16x30-1/8)+(37-13/16x63-9/16x30-1/8)			
Packed dimensions (WxHxD)	mm	(1650x1810x840)x2		(1650x1810x840)+(1025x1790x830)x2		(1650x1810x840)+(1305x1790x820)+(1025x1790x830)			
	inch	(64-15/160x71-1/4x33-1/16)x2		(64-15/160x71-1/4x33-1/16)+(40-3/8x70-1/2x32-11/16)x2		(64-15/160x71-1/4x33-1/16)+(51-3/8x70-1/2x32-11/16)+(40-3/8x70-1/2x32-11/16)			
Net weight	kg	352x2	352+200x2		352+296+200				
	lbs	776x2	776+441x2		776+653+441				
Gross weight	kg	376x2	376+216x2		376+313+216				
	lbs	829x2	829+476x2		829+690+476				
Ambient temp. Cooling	°C (°F)	-5~-55 (23~131)							

HP	68		70		72		74		
Model name	OURF-1915W2WN1		OURF-1965W2WN1		OURF-2020W2WN1		OURF-2085W2WN1		
Combination type	30HP+22HP+16HP		28HP+26HP+16HP		28HP+28HP+16HP		30HP+28HP+16HP		
Power supply	V/Ph/Hz		220/3/50(60)		220/3/50(60)		220/3/50(60)		
Cooling ¹	Capacity	kW	191.5	196.5	202.0	208.5			
		kBtu/h	654.1	671.1	689.9	712.2			
	Power input	kW	59.16	58.38	60.36	63.69			
	EER		3.24	3.37	3.35	3.27			
Connected indoor unit	Total capacity		50-130%						
	Maximum quantity		64						
Compressor	Type		DC inverter						
	Quantity		5		5				
	Oil type		FV 50s						
	Start-up method		Soft start						
	Drive type		DC						
Fan	Type		5		5				
	Quantity		5		5				
	Motor output	kW	0.56x4+0.75						
	Static pressure	Pa(in.wg)	20(0.08) default; 60(0.24) customization option						
	Airflow rate	m ³ /h	44400	51800		52800			
	CFM	26133	30489		31077				
Refrigerant	Drive type		Direct						
	Type		R410A						
Factory charge	kg	19+13+11			19x2+11				
	lbs	41.9+28.7+24.3			41.9x2+24.3				
Pipe connections ²	Liquid pipe	mm(inch)	Φ22.2(7/8)						
	Gas pipe	mm(inch)	Φ44.5(1-3/4)						
Sound pressure level ³		67							
Net dimensions (WxHxD)	mm	(1585x1615x765)+(1250x1615x765)		(1585x1615x765)x2+(960x1615x765)					
	inch	(62-3/8x63-9/16x30-1/8)+(49-1/4x63-9/16x30-1/8)+(37-13/16x63-9/16x30-1/8)		(62-3/8x63-9/16x30-1/8)x2+(37-13/16x63-9/16x30-1/8)					
Packed dimensions (WxHxD)	mm	(1650x1810x840)+(1305x1790x820)+(1025x1790x830)		(1650x1810x840)x2+(1025x1790x830)					
	inch	(64-15/160x71-1/4x33-1/16)+(51-3/8x70-1/2x32-11/16)		(64-15/160x71-1/4x33-1/16)x2+(40-3/8x70-1/2x32-11/16)					
Net weight	kg	352+296+200	352+296+200		352x2+200				
	lbs	776+653+441	776+653+441		776x2+441				
Gross weight	kg	376+313+216	376+313+216		376x2+216				
	lbs	829+690+476	829+690+476		829x2+476				
Ambient temp. Cooling	°C (°F)	-5~-55 (23~131)							

Notes:

- Indoor temperature 27°C(80.6°F) DB, 19°C(66.2°F) WB; outdoor temperature 35°C(95°F) DB; equivalent refrigerant piping length 7.5m(24.6ft.) with zero level difference.
- Diameters given are those for the pipe connecting the outdoor unit combination to the first indoor branch joint for systems with total equivalent liquid piping lengths of less than 90m(295.2ft.). For systems with total equivalent liquid piping lengths of 90m(295.2ft.) or longer, please refer to the VC Pro Series Engineering Data Book for connection piping diameters.
- Sound pressure level is measured at a position 1m(3.28ft.) in front of the unit and 1.3m(4.26ft.) above the floor in a semi-anechoic chamber.

V V R Cooltek CO Series - Cooling Only

220V, 3Ph, 50(60)Hz

HP	76		78		80		82		
Model name	OURF-2150W2WN1		OURF-2185W2WN1		OURF-2250W2WN1		OURF-2315W2WN1		
Combination type	30HP+30HP+16HP		28HP+28HP+22HP		30HP+28HP+22HP		30HP+30HP+22HP		
Power supply	V/Ph/Hz		220/3/50(60)		220/3/50(60)		220/3/50(60)		
Cooling ¹	Capacity	kW	215.0	218.5	225.0	231.5			
		kBtu/h	734.4	746.2	768.4	790.6			
	Power input	kW	67.02	68.01	71.34	74.67			
	EER		3.21	3.21	3.15	3.10			
Connected indoor unit	Total capacity		50-130%						
	Maximum quantity		64						
Compressor	Type		DC inverter						
	Quantity		5		6				
	Oil type		FV 50s						
	Start-up method		Soft start						
	Drive type		DC						
Fan	Type		5		6				
	Quantity		5		6				
	Motor output	kW	0.56x4+0.75			0.56x6			
	Static pressure	Pa(in.wg)	20(0.08) default; 60(0.24) customization option						
	Airflow rate	m ³ /h	52800			53400			
	CFM	31077			31430				
Refrigerant	Drive type		20 default;60 customization option						
	Type		R410A						
Factory charge	kg	19x2+11			19x2+13				
	lbs	41.9x2+24.3			41.9x2+28.7				
Pipe connections ²	Liquid pipe	mm(inch)	Φ22.2(7/8)						
	Gas pipe	mm(inch)	Φ44.5(1-3/4)						
Sound pressure level ³		68							
Net dimensions (WxHxD)	mm	(1585x1615x765)x2+(960x1615x765)		(1585x1615x765)x2+(1250x1615x765)					
	inch	(62-3/8x63-9/16x30-1/8)x2+(37-13/16x63-9/16x30-1/8)		(62-3/8x63-9/16x30-1/8)x2+(49-1/4x63-9/16x30-1/8)					
Packed dimensions (WxHxD)	mm	(1650x1810x840)x2+(1025x1790x830)		(1650x1810x840)x2+(1305x1790x820)					
	inch	(64-15/160x71-1/4x33-1/16)x2+(40-3/8x70-1/2x32-11/16)		(64-15/160x71-1/4x33-1/16)x2+(51-3/8x70-1/2x32-11/16)					
Net weight	kg	352x2+200	352x2+200		352x2+296				
	lbs	776x2+441	776x2+441		776x2+653				
Gross weight	kg	376x2+216	376x2+216		376x2+313				
	lbs	829x2+476	829x2+476		829x2+690				
Ambient temp. Cooling	°C (°F)	-5~-55 (23~131)							

HP	84		86		88		90		
Model name	OURF-2355W2WN1		OURF-2420W2WN1		OURF-2485W2WN1		OURF-2550W2WN1		
Combination type	28HP+28HP+28HP		30HP+28HP+28HP		30HP+30HP+28HP		30HP+30HP+30HP		
Power supply	V/Ph/Hz		220/3/50(60)		220/3/50(60)		220/3/50(60)		
Cooling ¹	Capacity	kW	235.5	242.0	248.5	255.0			
		kBtu/h	804.3	826.5	848.7	870.9			
	Power input	kW	72.54	75.87	79.20	82.53			
	EER		3.25	3.19	3.14	3.09			
Connected indoor unit	Total capacity		50-130%						
	Maximum quantity		64						
Compressor	Type		DC inverter						
	Quantity		6		6				
	Oil type		FV 50s						
	Start-up method		Soft start						
	Drive type		DC						
Fan	Type		6		6				
	Quantity		6		6				
	Motor output	kW	0.56x6						
	Static pressure	Pa(in.wg)	20(0.08) default; 60(0.24) customization option						
	Airflow rate	m ³ /h	61800			61800			
	CFM	36374			36374				
Refrigerant	Drive type		Direct						
	Type		R410A						
Factory charge	kg	19x3			19x3				
	lbs	41.9x3			41.9x3				
Pipe connections ²	Liquid pipe	mm(inch)	Φ25.4(1)						
	Gas pipe	mm(inch)	Φ50.8(2)						
Sound pressure level ³		68							
Net dimensions (WxHxD)	mm	(1585x1615x765)x3							
	inch	(62-3/8x63-9/16x30-1/8)x3							
Packed dimensions (WxHxD)	mm	(1650x1810x840)x3							
	inch	(64-15/160x71-1/4x33-1/16)x3							
Net weight	kg	352x3	352x3		352x3				
	lbs	776x3	776x3		776x3				
Gross weight	kg	376x3	376x3		376x3				
	lbs	829x3	829x3		829x3				
Ambient temp. Cooling	°C (°F)	-5~-55 (23~131)							

Notes:

- Indoor temperature 27°C(80.6°F) DB, 19°C(66.2°F) WB; outdoor temperature 35°C(95°F) DB; equivalent refrigerant piping length 7.5m(24.6ft.) with zero level difference.
- Diameters given are those for the pipe connecting the outdoor unit combination to the first indoor branch joint for systems with total equivalent liquid piping lengths of less than 90m(295.2ft.). For systems with total equivalent liquid piping lengths of 90m(295.2ft.) or longer, please refer to the VC Pro Series Engineering Data Book for connection piping diameters.
- Sound pressure level is measured at a position 1m(3.28ft.) in front of the unit and 1.3m(4.26ft.) above the floor in a semi-anechoic chamber.