

INDUSTRIAL RANGE



VRF OUTDOOR UNIT MINI VRF V12 SIDE DISCHARGE



DC Inverter
compressor
and fan



Wide operating
range



High efficiency
in heating and
cooling



Refrigerant gas
R410A

MODEL			HTW-VED40ILT3V12A	HTW-VED45ILT3V12A	HTW-VED50ILT3V12A	HTW-VED56ILT3V12A	HTW-VED61ILT3V12A
EAN CODE			8435483852860	8435483852877	8435483859715	8435483853553	8435483859708
Power supply		V, Ph, Hz		380-415V (3 Phase ~ 50Hz)			
PERFORMANCE							
Cooling ¹	Capacity	kW	40	45	50	56	61,5
		Btu	136500	153500	170600	191100	209800
	Power absorbed	kW	15,70	16,00	19,50	22,90	30,80
	EER	W/W	2,54	2,82	2,57	2,45	2,00
Heating ²	Capacity	kW	40,00	45,00	50,00	56,00	61,50
		Btu	136500	153500	170600	191100	209800
	Power absorbed	kW	11,70	12,20	13,70	15,50	18,80
	COP	W/W	3,42	3,68	3,65	3,62	3,28
Connectable indoor units		-	22	26	29	32	35
Modulation range		%	50~130% of outdoor unit capacity				
SEER		-	6,23	6,15	6,08	5,95	5,80
SCOP		-	4,00	4,10	4,15	4,07	4,00
TEMPERATURE LIMIT RANGE FOR OPERATION							
Heating	Min. / max.	°C	-30~30	-30~30	-30~30	-30~30	-30~30
Refrigeration	Min. / max.	°C	-15~55	-15~55	-15~55	-15~55	-15~55
TECHNICAL CHARACTERISTICS							
Compressor type	DC Inverter		DC Inverter	DC Inverter	DC Inverter	DC Inverter	DC Inverter
Number of compressors			1	1	1	1	1
Refrigerant gas			R410a	R410a	R410a	R410a	R410a
Refrigerant charge		kg	7,40	8,00	8,00	8,50	8,50
GWT			2088	2088	2088	2088	2088
CO ₂ Equivalent		T	15,4512	16,7040	16,7040	17,7480	17,7480
Fan	Engine type		DC	DC	DC	DC	DC
	Number		2	2	2	2	2
Sound pressure ³		dB(A)	59	60	61	61	62
Sound power ³		dB(A)	82	86	88	89	89
CONNECTIONS							
Ø Connections	Liquid	mm	Φ12,7	Φ15,9	Φ15,9	Φ15,9	Φ15,9
	Gas	mm	Φ25,4	Φ28,6	Φ28,6	Φ28,6	Φ28,6
DIMENSIONS AND WEIGHT							
Net dimensions (WxHxDxD)		mm	1130x1760x580	1250x1760x580	1250x1760x580	1250x1760x580	1250x1760x580
Gross Dimensions (WxHxD)		mm	1210x1916x597	1330x1916x597	1330x1916x597	1330x1916x597	1330x1916x597
Net / gross weight		kg	187/ 201	214/ 229	214/ 229	234/ 249	234/ 249

Notes:

1-Indoor air temperature 27°C DB, 19°C WB; outdoor air temperature 35°C DB; equivalent refrigerant pipe length 7.5m with zero level difference. 2-Indoor air temperature 20°C DB; outdoor air temperature 7°C DB, 6°C WB; equivalent refrigerant pipe length 7.5m with zero level difference. 3-Sound pressure levels are measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber. 4-The diameters given are those of the piping connecting the outdoor unit combination to the first indoor branch junction for systems with total equivalent liquid piping lengths of less than 90m. For systems with total equivalent liquid piping lengths of 90m or more, refer to Part 3 "System Design and Installation" for connecting pipe diameters.