

# Water Cooled Packaged Unit - WPR / WPRL



## Features:

- Available in three versions: A. cooling only / B. Cooling only with electric heating / C. Reverse cycle
- Factory charged with R410a refrigerant
- Evaporator coil copper tube with aluminum fins
- Condenser Coil: Copper tube in tube type heat exchanger, designed for maximum water pressure of 1500KPa
- Forward curved double inlet fans (Optional EC Motors)
- Powder Coated Galvanised steel construction, closed cell foam lined compressor and fan compartments
- Return air filter on all standard models
- Energy saving high efficiency unit

## Horizontal Type

MODEL	Cooling Capacity (kW) *		Heating Capacity (kW) **	Optional Electrical Heating (kW)	Air Flow (L/s)	Sound Pressure Level (dBA) *	External Static Pressure (Pa)	Power Supply	Electrical Input - Cooling (kW)	Nominal Max Current (A)	E.E.R (Cooling)	Water Flow (L/s)	Water Coil Pressure Drop (kPa)	Water Connections		Dimensions L x W x H (mm)	Weight (kg)
	Total	Sensible												inch	mm		
WPR4	4.1	3.4	4.3	3.0	210	32.5	120	1Ph,240V/50Hz	1.08	6.3	3.8	0.25	38	1	19.05	1080 x 450 x 400	86
WPR5	4.8	4.0	5.1	3.6	260	42.3	120	1Ph,240V/50Hz	1.2	7.9	4.0	0.3	38	1	19.05	1130 x 500 x 400	98
WPR6.5	6.3	5.2	6.8	4.5	330	43.5	120	1Ph,240V/50Hz	1.6	11.0	3.9	0.4	38	1	19.05	1150 x 550 x 400	107
WPR8	8.0	6.6	8.5	6.0	420	45.8	120	1Ph,240V/50Hz	2.0	12.5	4.0	0.5	38	1	25.4	1300 x 600 x 480	125
WPR9.5	9.3	7.6	9.9	6.6	475	48.1	120	1Ph,240V/50Hz	2.6	15.8	3.6	0.6	40	1	25.4	1350 x 600 x 480	140
WPR12	11.6	9.0	12.4	9.0	660	48.0	120	1Ph,240V/50Hz	3.28	20.9	3.5	0.7	40	1	25.4	1600 x 600 x 480	157
WPR14	13.9	11.7	14.3	10.5	760	50.4	120	1Ph,240V/50Hz	3.82	22.9	3.6	0.9	40	1	25.4	1900 x 800 x 500	168
WPR16	15.8	13.2	17.0	12.0	850	55.3	120	3Ph,415V/50Hz	4.11	12.2	3.8	1.0	40	1	25.4	1900 x 800 x 500	170
WPR19	18.9	15.7	20.0	13.5	1000	49.2	120	3Ph,415V/50Hz	4.95	15.8	3.8	1.1	40	1	25.4	2000 x 800 x 500	173
WPR25	23.1	18.6	22.1	15.0	1150	57.9	120	3Ph,415V/50Hz	5.60	18.8	4.1	1.3	44	1 1/4	31.75	2050 x 800 x 550	195
WPR30	29.6	24.1	30.6	21.0	1500	67.2	120	3Ph,415V/50Hz	7.1	24.6	4.2	1.7	48	1 1/4	31.75	2100 x 800 x 650	280
WPR38	37.2	30.4	37.8	24.0	1900	69.5	120	3Ph,415V/50Hz	9.1	31.8	4.1	2.2	48	1 1/4	31.75	2400 x 850 x 650	340

## Vertical Type

MODEL	Cooling Capacity (kW) *		Heating Capacity (kW) **	Optional Electrical Heating (kW)	Air Flow (L/s)	Sound Pressure Level (dBA) *	External Static Pressure (Pa)	Power Supply	Electrical Input - Cooling (kW)	Nominal Max Current (A)	E.E.R (Cooling)	Water Flow (L/s)	Water Coil Pressure Drop (kPa)	Water Connections		Dimensions L x W x H (mm)	Weight (kg)
	Total	Sensible												inch	mm		
WPR8L	8.0	6.6	8.5	6.0	420	53.2	150	1Ph,240V/50Hz	2.0	12.5	4.0	0.5	38	1	25.4	586 x 575 x 1449	150
WPR9.5L	9.3	7.6	9.9	6.6	475	54.5	150	1Ph,240V/50Hz	2.6	15.8	3.6	0.6	40	1	25.4	586 x 586 x 1449	170
WPR12L	11.6	9.0	12.4	9.0	660	54.7	150	1Ph,240V/50Hz	3.28	20.9	3.5	0.7	40	1	25.4	639 x 586 x 1460	200
WPR14L	13.9	11.7	14.3	10.5	760	60.4	150	1Ph,240V/50Hz	3.97	23.0	3.5	0.9	40	1	25.4	646 x 616 x 1564	250
WPR16L	15.8	13.2	17.0	12.0	850	60.9	150	3Ph,415V/50Hz	4.29	13.0	3.7	1.0	40	1	25.4	763 x 729 x 1232	270
WPR25L	23.1	18.6	22.1	15.0	1150	57.7	150	3Ph,415V/50Hz	5.60	18.8	4.1	1.3	44	1 1/4	31.75	1147 x 709 x 1270	300
WPR30L	29.6	24.1	30.6	21.0	1500	64.8	150	3Ph,415V/50Hz	7.18	24.6	4.1	1.7	48	1 1/4	31.75	1347 x 729 x 1270	320
WPR38L	37.2	30.4	37.8	24.0	1900	62.0	150	3Ph,415V/50Hz	9.24	31.8	4.0	2.2	48	1 1/4	31.75	1347 x 789 x 1532	350

## Floor Mounted Type

MODEL	Cooling Capacity (kW) *		Heating Capacity (kW) **	Optional Electrical Heating (kW)	Air Flow (L/s)	Sound Pressure Level (dBA) *	External Static Pressure (Pa)	Power Supply	Power Input (kW)	Nominal Max Current (A)	E.E.R (Cooling)	Water Flow (L/s)	Water Coil Pressure Drop (kPa)	Water Connections		Dimensions L x W x H (mm)	Weight (kg)
	Total	Sensible												inch	mm		
WPR 45L	45.9	37.2	46.5	27	2300	71.3	235	3Ph,415V/50Hz	11.9	32.4	3.86	2.8	48	2	50.8	1420x150x1900	580
WPR 52L	52.5	41.7	51	36	2400	73.1	240	3Ph,415V/50Hz	13.1	33.1	4.0	3.1	52	2	50.8	1780x160x2100	690
WPR 70L	69.4	57.1	70.3	46	3600	72.9	240	3Ph,415V/50Hz	17.7	47.3	3.92	4.2	52	2	50.8	1820x69x2152	900
WPR 84L	83.5	67.7	84.3	57	4200	74.2	250	3Ph,415V/50Hz	20.8	55.8	4.0	5.1	48	2	50.8	1900x1215x1675	950
WPR 100L	96.6	79.4	102.5	70	5000	74.6	250	3Ph,415V/50Hz	23.8	67.6	4.06	5.8	48	2	50.8	2150x1215x1925	1500
WPR 120L	118.6	95.3	120.5	81	5850	74.7	250	3Ph,415V/50Hz	29.1	81.7	4.06	7.3	50	2	50.8	2150x1215x1925	1550
WPR 142L	136.1	108.9	141.7	90	6650	75.9	260	3Ph,415V/50Hz	34.5	93.3	3.94	8.4	52	3	76.2	2200x1450x2152	1700
WPR 160L	155.7	123.7	159.1	105	7500	75.1	260	3Ph,415V/50Hz	39.7	111	3.92	9.8	52	3	76.2	2400x1450x2152	1800

**Note:**  
 \* Entering air temperature @27/19°C and enter water temperature @30°C  
 \*\* Entering air temperature @21°CDB and enter water temperature @20°C  
 # 1m from source in an anechoic chamber with 1m insulated duct

# Water Cooled Split Ducted Unit - WSR



## Features:

- Available in three versions: A. cooling only / B. Cooling only with electric heating / C. Reverse cycle
- Factory charged with R410A refrigerant.
- Evaporator coil copper tube with aluminium fins
- Condenser coil: Copper tube in tube type heat exchanger, designed for maximum water pressure of 1500KPa
- Forward Curved Double Inlet Fans (Optional EC Motors)
- Powder Coated Galvanised steel construction/closed cell foam lined compressor and fan compartments
- Return air filter on all standard models
- Energy Saving high efficiency unit

MODEL	Cooling Capacity (kW) *		Heating Capacity (kW) **	Heating Electric Heating (kW) **	Air Flow (L/s)	Sound Pressure Level (dBA) *	External Static Pressure (Pa)	Power Supply	Power Input (kW)	Nominal Max Current (A)	E.E.R (Cooling)	Water Flow (L/s)	Water Coil Pressure Drop (KPa)	Water Connections		Outdoor		Indoor	
	Total	Sensible												Inch	mm	Dimensions L x W x H (mm)	Weight (kg)	Dimensions L x W x H (mm)	Weight (kg)
WSR4	4.1	3.4	4.2	3.0	210	48.5	120	1Ph240V/50Hz	1.1	6.4	3.7	0.20	38	1/4	1905	513x566x420	71	1051x556x288	35
WSR5	4.8	4.0	5.0	3.6	260	49.1	120	1Ph240V/50Hz	1.2	8.0	3.9	0.24	38	1/4	1905	513x566x420	79	1286x556x288	44
WSR6.5	6.3	5.2	6.8	4.5	330	49.6	120	1Ph240V/50Hz	1.6	11.2	3.9	0.32	38	1/4	1905	513x566x420	84	1286x556x288	44
WSR8	8.0	6.6	8.5	6.0	420	50.7	120	1Ph240V/50Hz	2.1	12.8	3.9	0.40	40	1	254	583x612x500	90	1086x596x338	42
WSR9.5	9.3	7.6	9.8	6.6	475	51.3	120	1Ph240V/50Hz	2.5	15.2	3.6	0.48	40	1	254	583x612x500	102	1311x596x338	46
WSR12	11.6	9.0	12.4	9.0	660	52.2	120	1Ph240V/50Hz	3.2	21.2	3.6	0.53	40	1	254	636x706x500	115	1491x596x338	53
WSR14	13.9	11.7	14.3	10.5	760	52.2	120	1Ph240V/50Hz	3.8	23.7	3.6	0.72	40	1	254	636x706x500	130	1726x596x338	61
WSR16	15.8	13.2	17.0	12.0	850	53.6	120	3Ph415V/50Hz	4.11	13.2	3.8	0.80	40	1	254	636x706x500	135	1911x596x338	74
WSR19	18.9	15.7	20.0	13.5	1000	55.4	120	3Ph415V/50Hz	4.8	14.5	3.9	0.90	40	1	254	758x788x500	138	2091x596x338	81

# Inverter Water Cooled Packaged Unit - DWAI



## Features:

- Slim Line. Starting from 360mm high
- High EER
- High Efficiency Inverter Compressor
- Special Tropical Units Optional
- Powder Coated Galvanised Steel
- S/S Drip Tray
- High Static Pressure
- Low Noise
- R410A Refrigerant
- Low Stand By Power
- Lower Water Flow
- Electronic Thermostat
- EC Fan Optional

MODEL	Cooling Capacity (kW) *		Heating Capacity (kW) **	Nominal Capacity (kW)	Air Flow (L/s)	Sound Pressure Level (dBA)	Power Input (kW)		E.E.R (Cooling)	Water Flow (L/s)	Water Coil Pressure Drop (KPa)	Water Connections		Dimensions L x W x H (mm)	Weight (kg)
	Total	Sensible					Cooling Only	Heating Only				Inch	mm		
DWA14-HBA	4.1	3.1	4.3	1.2 - 4.50	236	40	1.1	1.1	3.72	0.236	30	1	254	1130x450x360	63
DWA16-HBA	6.0	4.0	6.2	1.8 - 6.82	258	43	1.6	1.6	3.75	0.36	40	1	254	1130x450x360	65
DWA18-HBA	8.0	5.8	8.3	2.4 - 9.13	433	48	2.2	2.2	3.64	0.473	25	1 1/4	317.5	1430x560x460	106
DWA110-HBA	9.8	7.3	10.1	2.94 - 11.11	444	51	2.6	2.6	3.77	0.567	35	1 1/4	317.5	1430x560x460	112
DWA112-HBA	11.5	11.5	11.7	3.45 - 12.87	528	54	3.1	3.1	3.71	0.661	35	1 1/4	317.5	1430x560x460	115
DWA116-HBA	16.1	16.1	16.4	4.83 - 18.04	660	55	3.2	3.2	3.6	0.53	40	1 1/4	381	1636x706x500	115
DWA120-HBA	19.5	19.5	19.3	5.85 - 21.23	760	58	3.8	3.8	3.6	0.72	40	1 1/4	381	1636x706x500	130
DWA125-HBA	24.0	24.0	24.0	7.2 - 26.40	850	61	4.11	4.11	3.8	0.8	40	1 1/4	381	1636x706x500	135

### Note:

- \* Entering air temperature @27/19°C and enter water temperature @30°C
- \*\* Entering air temperature @21°CDB and enter water temperature @20°C
- # 1m from source in an anechoic chamber with 1m insulated duct