

Technical Specifications

		Model					
		BENCW 1P DH 67 R	BENCW 1P DH 82 R	BENCW 1P DH 101 R	BENCW 1P DH 118 R	BENCW 1P DH 152 R	BENCW 1P DH170 R
Power Supply	V / Hz / Ph	220 - 240 / 50 / 1					
Max input Power	W	300	444	778	778	1000	1222
Max. Current*	A	1.4	2	3.5		4.5	5.6
Total Cooling Capacity High Fan Speed**	3 Rows (Btu / h)	23000	29000	35500	41500	51900	58200
	3 Rows (W)	6740	8260	10110	11800	1520	17050
	4 Rows (Btu / h)	28500	36200	44000	51300	58100	65000
	4 Rows (W)	8350	10280	12510	14590	17020	19040
Sensible Cooling Capacity High Fan Speed	3 Rows (Btu / h)	17000	21000	25500	29700	38100	42600
	3 Rows (W)	4980	6150	7470	8700	11160	12480
	4 Rows (Btu / h)	20200	25000	30200	35200	42600	47600
	4 Rows (W)	5920	7320	8850	10310	12480	13940
Nominal Airflow Rate High Fan Speed	Cfm	800	940	1180	1470	1770	2000
	l / s	375	450	560	700	840	950
Cooling Coil	Fin Height (Inch)	12	12	12	14	14	16
	Fin Height (mm)	305	305	305	356	356	406
	Fin Length (Inch)	30	36	42	42	48	48
	Fin Length mm	762	914	1067	1067	1219	1219
	Face Area (ft ²)	2.5	3	3.5	4.08	4.67	5.33
	Face Area (m ²)	0.23	0.28	0.33	0.38	0.43	0.5
	Max. Working Pressure	2MPa--20 KG / cm ²					
Fan	Type	Forward Multi-vane Centrifugal Ventilator Direct Drive					
	Model / Qty	8" x 7 1 / 2" / 1			8" x 7 1 / 2" / 2		
Motor	Type	Multispeed Asynchronous Motor					
	Qty	1	1	1	1	1	1
	Output Power***	130	200	350	350	450	550
External Static Pressure	Pa	Nominal 150					
Noise Level****	Low (dB(A))	<38	<39	<41	<41	<42	<42
	Medium (dB(A))	<39	<40	<42	<42	<44	<44
	High (dB(A))	<41	<43	<44	<44	<46	<46
Coil Circuits	1 Row	6	6	6	7	7	8
	2 Rows	6	6	6	7	7	8
	3 Rows	6	6	6	7	7	8
	4 Rows	6	6	6	7	14	16
Chilled Water Connection Pipe	1 Row, 2 Rows & 3 Rows	3 / 4" FPT - 1" MPT					
	4 Rows	1 / 2" FPT - 3 / 4" MPT			3 / 4" FPT - 1" MPT		
Drain Pipe	Inch	G3 / 4					
Dimension***** L x D x H	Net mm	1220 x 742 x 410		1370 x 742 x 410		1523 x 742 x 470	
	Packing mm	1345 x 755 x 420		1400 x 755 x 420		1550 x 755 x 480	
Net Weight	2 Rows	38.5	44.1	54.9	58.5	68.9	72.8
	3 Rows	40.8	46.8	58.1	62	72.9	77.3
	4 Rows	43.1	49.5	61.3	65.5	76.9	81.8

*The currents are at the voltage of 230V

** Air Entering temperature DB / WB 27 / 19° C, Chilled water Entering at 7° C and Leaving at 12° C

***The Motor Output Power may be revised according to the actual external static pressure drop.

****Noise Level is tested 1 metre away from the air outlet point in ARI standard acoustic room - with Ducted fitted noise will be reduced

***** The Dimension of the unit excluding drain tray were measured