

WATER COOLED CONDENSING UNITS – TECHNICAL SPECIFICATION

Monosplit DC inverter				Model-12C	Model-18C	Model-24C	Model-36CT	
Model - Cooling only				Code	Model-12H	Model-18H	Model-24H	Model-36HT
Model - Cooling & Heating				Code	Model-12H	Model-18H	Model-24H	Model-36HT
Power Supply				V-Hz-Phase	230 - 50 - 1		400-50-3	
Cooling capacity	Power Capacity	Normal	W / BTU	3800/13000	5500/18800	6300/21500	11500/39200	
		Max	W	4700/16000	6500/22200	7200/24600	12900/44000	
		Min	W	2200/7500	2500/8500	3000/10200	3800/13000	
	Max power absorption	Normal	W	700	1060	1250	2730	
		Max	W	1350	1600	2000	3500	
		Min	W	450	600	750	1200	
Energy Efficient Rating (EER)			W/W	5,43	5,19	5,04	4,21	
Energy class				-	A++	A++	A++	
Heating capacity	Power Capacity	Normal	W / BTU	4800/16400	6000/20500	7500/25600	12800/43700	
		Max	W	6900/23500	7800/26600	10000/34100	13500/46100	
		Min	W	2300/7800	3000/10200	3300/11300	4000/13600	
	Max power absorption	Normal	W	880	1150	1450	2800	
		Max	W	1550	2300	2400	3900	
		Min	W	380	800	900	1200	
Coefficient Of Performance (COP)			W/W	5,45	5,45	5,22	5,17	
Energy class				-	A+	A+	A+	
Consumption in Stand-by mode				W	0,5	0,5	0,5	
Sound level				dB(A)	42	42	43	45
Adjustment method				-	Capillary	Capillary	Capillary	
Dimensions (L x W x H)				mm	437 x 266 x 511	500 x 280 x 570	500 x 280 x 570	556 x 306 x 960
Weight				Kg	32	40	45	78
Refrigerant	Type			-	R410a	R410a	R410a	R410a
	Refrigerant	C	Kg	0,81	1,10	1,10	3,20	
		H	Kg	0,90	1,15	1,15	3,40	
	Additional charge per m post 5m pre-charge		gr/m		20	25	30	50
Tubing	Dimensions	mm		Ø6,35 - Ø9,52	Ø6,35 - Ø12,70	Ø6,35 - Ø15,88	Ø9,52 - Ø15,88	
		inch		1/4"-3/8"	1/4"-1/2"	1/4"-5/8"	3/8"-5/8"	
	Min-Max tube length with pre-charge	mm		5	5	5	5	
	Max possible tube length	m		20	25	25	30	
Max height between I.U. and O.U.	m		10	10	15	15		
Water connections				inch	3/8" F	1/2" F	1/2" F	1/2" F
Min water pressure				bar	1	1	1	1,5
Water consumption	Cooling			l/h	69-135	100-180	110-200	130-380
	Heating			l/h	100-220	100-280	150-380	290-850
Limits of functionality	Indoor (cold / hot)			°C	16-31	16-31	16-31	16-31
	Water (cold / hot)			°C	8-25	8-25	8-25	8-25

Multisplit DC inverter				Model2-18C	Model3-24C	Model4-28C	
Model - Cooling only				Code	Model2-18H	Model3-24H	Model4-28H
Model - Cooling & Heating				Code	Model2-18H	Model3-24H	Model4-28H
Power Supply				V-Hz-Phase	230 - 50 - 1		
Cooling capacity	Power Capacity	Normal	W / BTU	5500/18800	7400/25200	8500/29000	
		Max	W / BTU	6300/21500	8800/30000	10800/36900	
		Min	W / BTU	1200/4100	1800/6100	2100/7200	
	Max power absorption	Normal	W	1200	1650	2000	
		Max	W	2300	3200	3300	
		Min	W	250	350	350	
Energy Efficient Rating (EER)			W/W	4,58	4,48	4,25	
Energy class				-	A++	A++	A++
Heating capacity	Power Capacity	Normal	W / BTU	5900/20100	8900/30400	9400/32100	
		Max	W / BTU	6400/21800	9000/30700	11000/37500	
		Min	W / BTU	1600/5500	2200/7500	2300/7800	
	Max power absorption	Normal	W	1200	1800	2000	
		Max	W	2400	3300	3450	
		Min	W	270	320	350	
Coefficient Of Performance (COP)			W/W	4,92	4,94	4,70	
Energy class				-	A+	A+	A+
Consumption in Stand-by mode				W	0,5	0,5	0,5
Sound pressure				dB(A)	45	47	50
Adjustment method				-	Electronic expansion valve	Electronic expansion valve	Electronic expansion valve
Dimensions (L x W x H)				mm	500 x 280 x 570	440 x 317 x 765	440 x 317 x 765
Weight				Kg	45	64	65
Refrigerant	Type			-	R410a	R410a	R410a
	Refrigerant	C	Kg	1,25	1,80	1,90	
		H	Kg	1,40	2,00	2,35	
	Additional charge per m post 5m pre-charge		gr/m		20	20	20
Tubing	Dimensions	mm/nr		Ø6,35 - Ø9,52 x2	Ø6,35 - Ø9,52 x3	Ø6,35 - Ø9,52 x4	
		inch		1/4" - 3/8" x2	1/4" - 3/8" x3	1/4" - 3/8" x4	
	Min-Max tube length with pre-charge	mm		10	15	15	
	Max tube length line	m		10	20	20	
	Max tube length	m		20	60	70	
Max height	m		5	10	10		
Water connections				inch	1/2" F	1/2" F	1/2" F
Min water pressure				bar	1	1,5	1,5
Water consumption	Cooling			l/h	70 - 220	115 - 270	120 - 360
	Heating			l/h	135 - 600	210 - 800	300 - 960
Limits of functionality	Indoor (cold / hot)			°C	16-31	16-31	16-31
	Water (cold / hot)			°C	8-25	8-25	8-25