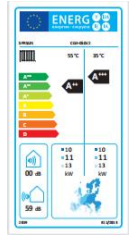


R290 DC Inverter Air Source Heat Pumps (Monoblock Type)



Model			BULG Mono Pro 6.5KW			BULG Mono Pro 9.1KW			BULG Mono Pro 12KW			BULG Mono Pro 15.2KW			BULG Mono Pro 18KW		
Power Supply		V/Hz/Ph	220-240/50/1			220-240/50/1			220-240/50/1			380-420/50/3			380-420/50/3		
Max. Heating Capacity (A7℃/W35℃)		kW	6.5			9.1			12			15			18		
C.O.P (A7℃/W35℃)		W/W	4.4			4.2			3.9			3.95			4		
Heating Capacity Min./Max.(A7℃/W35℃)		kW	2.20 / 6.50			3.15 / 9.10			4.35 / 12.00			5.60 / 15.00			6.30 / 18.00		
Heating Power Input Min./Max.(A7℃/W35℃)		W	441 / 1477			626 / 2167			885 / 3073			1125 / 3800			1086 / 4500		
C.O.P Min./Max.(A7℃/W35℃)		W/W	4.4 / 4.99			4.2 / 5.03			3.90 / 4.92			3.95 / 4.98			4.00 / 5.80		
Max. Heating Capacity(A7℃/W45℃)		kW	6.30			8.60			11.2			14.5			17.1		
C.O.P (A7℃/W45℃)		W/W	3.60			3.52			3.28			3.23			3.55		
Heating Capacity Min./Max.(A7℃/W45℃)		kW	2.01 / 6.30			2.90 / 8.60			4.00 / 11.20			5.40 / 14.50			5.99 / 17.10		
Heating power input Min./Max.(A7℃/W45℃)		W	522 / 1750			757 / 2443			1071 / 3415			1427 / 4489			1163 / 4817		
C.O.P Min./Max.(A7℃/W45℃)		W/W	3.60 / 3.85			3.52 / 3.83			3.28 / 3.74			3.23 / 3.78			3.55 / 5.15		
Max. Cooling Capacity(A35℃/W18℃)		kW	5.70			7.04			10.0			13.6			16.2		
E.E.R (A35℃/W18℃)		W/W	3.48			3.43			3.40			3.28			3.40		
Cooling Capacity Min./Max.(A35℃/W18℃)		kW	1.82 / 5.70			2.64 / 7.04			3.81 / 10.00			5.20 / 13.60			5.67 / 16.20		
Cooling Power Input Min./Max.(A35℃/W18℃)		W	463 / 1638			677 / 2052			1003 / 2941			1402 / 4146			1150 / 4765		
E.E.R Min./Max.(A35℃/W18℃)		W/W	3.48 / 3.93			3.43 / 3.90			3.40 / 3.80			3.28 / 3.71			3.40 / 4.93		
Max. Cooling Capacity(A35℃/W7℃)		kW	4.45			5.63			7.2			10.2			13.5		
E.E.R(A35℃/W7℃)		W/W	2.87			2.66			2.62			2.60			2.70		
Cooling Capacity Min./Max.(A35℃/W7℃)		kW	1.53 / 4.45			2.10 / 5.63			3.58 / 7.20			4.69 / 10.20			4.73 / 13.50		
Cooling Power Input Min./Max.(A35℃/W7℃)		W	443 / 1551			612 / 2117			1213 / 2748			1520 / 3880			1207 / 5000		
E.E.R Min./Max.(A35℃/W7℃)		W/W	2.87 / 3.45			2.66 / 3.43			2.62 / 2.95			2.63 / 3.09			2.70 / 3.92		
Max Power Input		kW	3.00			4.00			5.00			6.30			7.50		
Max Current		A	14.35			19.14			23.92			13.29			13.42		
Wire diameter		mm²	4.0			4.0			6.0			4.0			4.0		
Fuse or circuitbreakerer		A	20A			25A			32A			20A			20A		
Water Flow		m3/h	1.12			1.57			2.06			2.58			3.10		
Hot Water Flow Rate		L/h	135			185			241			312			368		
Compressor		Brand	HIGHLY			HIGHLY			HIGHLY			HIGHLY			HIGHLY		
Refrigerant / Suggested Input		Kg	R290/0.50			R290/0.75			R290/0.90			R290/1.20			R290/1.60		
Fan		Type	/			DC			DC			DC			DC		
		Quantity	/			1			1			2			2		
		Airflow	m3/h			2500			3000			3500			5000		
		Rated Fan Speed	RPM			900			900			900			900		
		Rated power	W			116			116			116			116*2		
Water Side Heat Exchanger		Type	/			Plate Heat Exchanger			Plate Heat Exchanger			Plate Heat Exchanger			Plate Heat Exchanger		
		Water Pressure Drop	kPa			18			20			23			25		
		Piping Connection	Inch			G1"			G1"			G1"			G1"		
Pump model		/	APM25-9-130SPWM1			APM25-9-130SPWM1			APM25-9-130SPWM1			APF25-12-130E FPWM1			APF25-12-130E FPWM1		
Max Water Pump Head		m	9			9			9			12					
Allowable Water Flow		Min./Rated./Max.	L/S			0.19 0.31 0.52			0.27 0.43 0.72			0.36 0.57 0.96			0.45 0.72 1.19		
Noise Level (Sound Pressure)		dB(A)	39			41			44			46			47		
Noise Level (Power Power)		dB(A)	53			55			58			60			61		
Moisture Resistance		/	IPX4			IPX4			IPX4			IPX4			IPX4		
Net Dimension(L×D×H)		mm	1053*475*755			1110*475*810			1110*475*960			1110*475*1355			1110*475*1355		
Carton packing Dimension(L×D×H)		mm	1115*505*910			1165*505*960			1165*505*1110			1165*505*1520			1165*505*1520		
Splint packing Dimension(L×D×H)		mm	1150*530*920			1210*540*960			1210*540*1110			1210*540*1520			1210*540*1520		
Net Weight		kg	90			106			117			135			140		
Carton gross Weight		kg	102			119			133			166			171		
Splint gross Weight		kg	122			150			156			195			200		
Container Loading Capacity (20/40HQ)		number	44 / 96			44 / 92			44 / 92			22 / 48			22 / 48		
Pdesignh (35/55℃)		kW	4.973/4.530			6.551/6.134			8.926/8.363			12.483/11.747			/		
SCOP (35/55℃)		kWh/kW	4.80/3.59			4.77/3.69			4.95/3.75			4.81/3.71			/		
SCOPon (35/55℃)		kWh/kW	4.82/3.61			4.79/3.70			4.97/3.76			4.83/3.72			/		
QH (35/55℃)		kWh/ye	10273/9359			13535/12672			18440/17277			25790/24270			/		
QHE (35/55℃)		kWh/ye	2140/2605			2840/3435			3725/4608			5366/6547			/		
ηs,h (35/55℃)		--	189.0%/140.7%			187.6%/144.5%			195.0%/147.0%			189.3%/145.3%			/		
Seasonal space heating energyefficiency classes: (According (EU)No 811/2013 Table 2)		--	A+++			A+++			A+++			A+++			Reaching A+++		
Seasonal space heating energyefficiency classes: (According (EU)No 811/2013 Table 1)		--	A++			A++			A++			A++			Reaching A++		
Operation Ambint Temp.(℃)		-25℃~45℃															
Operation water Temp.(℃)		10℃~70℃(DHW)															
Operation water Temp.(℃)		10℃~70℃(Heating)															
Operation water Temp.(℃)		12℃~30℃(Cooling)															
Note: (1) Heating condition: water inlet/outlet temperature: 30℃/35℃, Ambient temperature: DB 7℃/WB 6℃;																	
(2) Heating condition: water inlet/outlet temperature: 40℃/45℃, Ambient temperature: DB 7℃/WB 6℃;																	
(3) Cooling condition: water inlet/outlet temperature: 23℃/18℃, Ambient temperature: DB35℃/WB24℃;																	
(4) Cooling condition: water inlet/outlet temperature: 12℃/7℃, Ambient temperature: DB35℃/WB24℃;																	