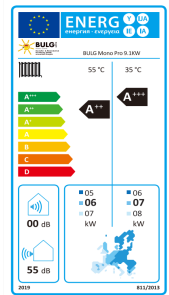


R290 DC Inverter Air Source Heat Pumps (Monoblock Type)



Model			BULG Mono Pro 25KW	BULG Mono Pro 30KW	BULG Mono Pro 50KW
Power Supply / Refrigerant		V/Hz/Ph	380-420/50/3	380-420/50/3	380-420/50/3
Max. Heating Capacity (A7℃/W35℃)		kW	25	30	50
C.O.P (A7℃/W35℃)		W/W	3.95	3.85	3.8
Heating Capacity Min./Max.(A7℃/W35℃)		kW	8.15 / 25.00	10.05 / 30.00	14.90 / 50.00
Heating Power Input Min./Max.(A7℃/W35℃)		W	1630 / 6329	2072 / 7792	2992 / 13158
C.O.P Min./Max.(A7℃/W35℃)		W/W	3.95 / 5.00	3.85 / 4.85	3.8 / 4.98
Max. Heating Capacity(A7℃/W45℃)		kW	24.11	28.05	47.24
C.O.P (A7℃/W45℃)		W/W	3.42	3.36	3.35
Heating Capacity Min./Max.(A7℃/W45℃)		kW	7.42 / 24.11	9.05 / 28.05	14.23 / 47.24
Heating power input Min./Max.(A7℃/W45℃)		W	1878 / 7050	2363 / 8348	3621 / 14101
C.O.P Min./Max.(A7℃/W45℃)		W/W	3.42 / 3.95	3.36 / 3.83	3.35 / 3.93
Max. Cooling Capacity(A35℃/W18℃)		kW	20.10	23.90	38.50
E.E.R (A35℃/W18℃)		W/W	3.23	3.28	3.26
Cooling Capacity Min./Max.(A35℃/W18℃)		kW	8.14 / 20.10	9.29 / 23.90	12.36 / 38.50
Cooling Power Input Min./Max.(A35℃/W18℃)		W	2171 / 6223	2497 / 7287	3314 / 11810
E.E.R Min./Max.(A35℃/W18℃)		W/W	3.23 / 3.75	3.28 / 3.72	3.26 / 3.73
Max. Cooling Capacity(A35℃/W7℃)		kW	17.00	19.20	31.40
E.E.R(A35℃/W7℃)		W/W	2.56	2.64	2.64
Cooling Capacity Min./Max.(A35℃/W7℃)		kW	7.20 / 17.00	8.20 / 19.20	10.18 / 31.40
Cooling Power Input Min./Max.(A35℃/W7℃)		W	2087 / 6641	2391 / 7273	2925 / 11894
E.E.R Min./Max.(A35℃/W7℃)		W/W	2.56 / 3.45	2.64 / 3.43	2.64 / 3.48
Max Power Input		kW	11.00	13.50	20.50
Max Current		A	16.70	20.50	31.40
Wire diameter		mm²	6.0	6.0	10.0
Fuse or circuitbreakerer		A	25A	32A	40A
Compressor		Brand	HIGHLY	HITACHI	HITACHI
Refrigerant / Suggested Input		Kg	R290/1.80	R290/2.1	R290/4.0
Fan	Type	/	DC	DC	DC
	Quantity	/	2	2	1
	Airflow	m3/h	11000	11000	23000
	Rated Fan Speed	RPM	900	900	950
	Rated power	W	250	250	1700
Water Side Heat Exchanger	Type	/	Plate Heat Exchanger	Plate Heat Exchanger	Plate Heat Exchanger
	Water Pressure Drop	kPa	30	40	60
	Piping Connection	Inch	G1.2"	G1.2"	G1.5"
Pump model		/	APM25-12-180H PWM1	APM25-12-180H PWM1	APM25-17-180 FPWM1
Noise Level (Power Pressure)		dB(A)	63	64	68
Moisture Resistance		/	IPX4	IPX4	IPX4
Net Dimension(L×D×H)		mm	1249*509*1558	1249*509*1558	1187*1087*1680
Splint packing Dimension(L×D×H)		mm	1340*575*1715	1340*575*1715	1242*1107*1830
Net Weight		kg	220	250	356
Seasonal space heating energyefficiency classes:		--	A+++	A+++	A+++
Seasonal space heating energyefficiency classes:		--	A++	A++	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℃;					