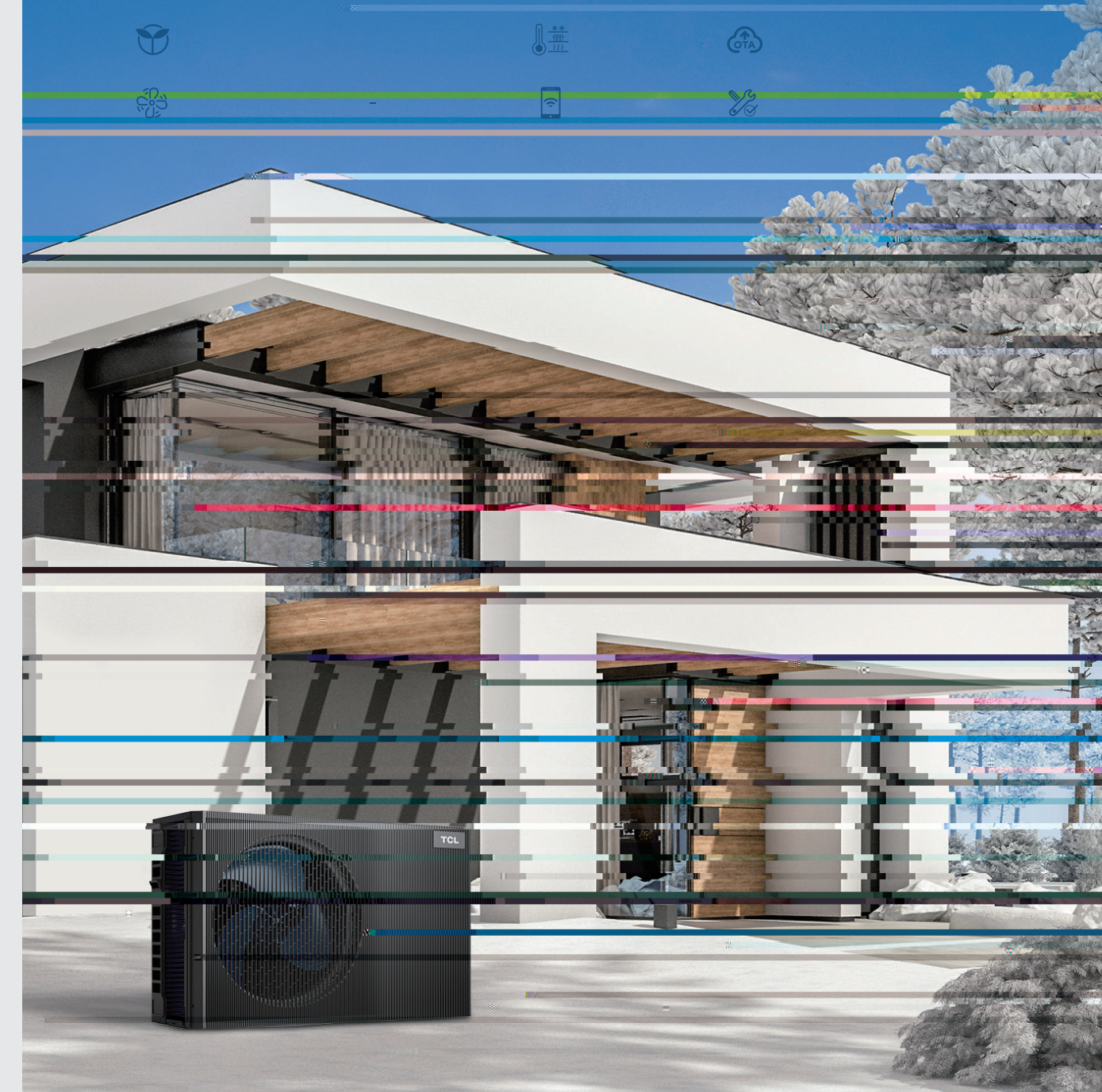


Maximum 8 units can be combined to reach maximum 128kw



Model name	THMLd-4D/3FBp-A		THMLd-6D/3FBp-A		THMLd-8D/3FBp-A		THMLd-10D/3FBp-A		THMLd-12D/3FBp-A		THMLd-14D/3FBp-A		THMLd-16D/3FBp-A		THMLd-12S/9(6)FBp-A		THMLd-14S/9(6)FBp-A		THMLd-16S/9(6)FBp-A		
	Power supply	V/Ph/Hz	220-240/1/50						220-240/1/50						380-415/3/50						
Heating A7W35	Capacity	kW	4.20	6.20	8.00	9.50	12.00	14.00	15.00	12.00	14.00	15.00	12.00	14.00	15.00	12.00	14.00	15.00	12.00	14.00	15.00
	Rated input	kW	0.83	1.27	1.60	2.07	2.50	3.05	3.40	2.50	3.05	3.40	2.50	3.05	3.40	2.50	3.05	3.40	2.50	3.05	3.40
	COP		5.09	4.90	5.00	4.60	4.80	4.59	4.41	4.80	4.59	4.41	4.80	4.59	4.41	4.80	4.59	4.41	4.80	4.59	4.41
Heating A7W45	Capacity	kW	4.30	6.20	8.00	9.50	12.00	14.00	15.00	12.00	14.00	15.00	12.00	14.00	15.00	12.00	14.00	15.00	12.00	14.00	15.00
	Rated input	kW	1.10	1.63	2.13	2.59	3.00	3.60	4.30	3.00	3.60	4.30	3.00	3.60	4.30	3.00	3.60	4.30	3.00	3.60	4.30
	COP		3.90	3.80	3.76	3.68	4.00	3.89	3.49	4.00	3.89	3.49	4.00	3.89	3.49	4.00	3.89	3.49	4.00	3.89	3.49
Heating A7W55	Capacity	kW	4.40	6.00	8.00	9.50	12.00	14.00	15.00	12.00	14.00	15.00	12.00	14.00	15.00	12.00	14.00	15.00	12.00	14.00	15.00
	Rated input	kW	1.40	1.94	2.50	3.06	3.76	4.52	5.20	3.76	4.52	5.20	3.76	4.52	5.20	3.76	4.52	5.20	3.76	4.52	5.20
	COP		3.15	3.10	3.20	3.10	3.19	3.10	2.88	3.19	3.10	2.88	3.19	3.10	2.88	3.19	3.10	2.88	3.19	3.10	2.88
Cooling A35W18	Capacity	kW	4.50	6.00	8.30	10.00	12.00	14.00	16.00	12.00	14.00	16.00	12.00	14.00	16.00	12.00	14.00	16.00	12.00	14.00	16.00
	Rated input	kW	0.90	1.34	1.66	2.17	2.65	3.30	4.20	2.65	3.30	4.20	2.65	3.30	4.20	2.65	3.30	4.20	2.65	3.30	4.20
	EER		5.00	4.49	5.00	4.60	4.53	4.24	3.81	4.53	4.24	3.81	4.53	4.24	3.81	4.53	4.24	3.81	4.53	4.24	3.81
Cooling A35W7	Capacity	kW	4.50	6.00	7.20	8.80	11.60	12.95	14.00	11.60	12.95	14.00	11.60	12.95	14.00	11.60	12.95	14.00	11.60	12.95	14.00
	Rated input	kW	1.32	2.00	2.18	2.84	3.85	4.55	5.20	3.85	4.55	5.20	3.85	4.55	5.20	3.85	4.55	5.20	3.85	4.55	5.20
	EER		3.40	3.00	3.30	3.10	3.01	2.85	2.69	3.01	2.85	2.69	3.01	2.85	2.69	3.01	2.85	2.69	3.01	2.85	2.69
SCOP <sup>2</sup>	LWT at 35°C		5.03	4.85	5.33	4.83	4.75	4.63	4.53	4.74	4.65	4.52	4.74	4.65	4.52	4.74	4.65	4.52	4.74	4.65	4.52
	LWT at 55°C		3.81	3.77	3.88	3.85	3.78	3.73	3.68	3.78	3.73	3.66	3.78	3.73	3.66	3.78	3.73	3.66	3.78	3.73	3.66
Seasonal space heating energy efficiency class <sup>3</sup>	LWT at 35°C		A+++																		
	LWT at 55°C		A++	A++	A+++	A+++	A++	A++	A++	A++	A++	A++	A++	A++	A++	A++	A++	A++	A++	A++	A++
Electric heater power input	kW		3						9(6)												
Compressor	Type		Twin rotary DC inverter																		
	Motor type		Brushless DC motor																		
Outdoor fan	Number of fans		1																		
	Throttle type		Electronic expansion valve																		
Air side heat exchanger	Type		Finned tube																		
	Water side heat exchanger	Type	Plate type																		
Refrigerant	Type		R290																		
	Factory charge	kg	0.74	0.74	1.10	1.10	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
Sound power Level <sup>4</sup>	dB	56	59	60	61	64	66	68	64	66	68	64	66	68	64	66	68	64	66	68	68
Sound pressure level <sup>4</sup>	dB	44	46	48	49	51	53	55	51	53	55	51	53	55	51	53	55	51	53	55	55
Net dimensions (W x H x D)	mm	1220 x 709 x 390		1293 x 860 x 495 / 1293 x 860 x 523 ( New appearance )																	
Packing dimension (W x H x D)	mm	1315 x 840 x 430		1395 x 996 x 535 / 1395 x 996 x 550 ( New appearance )																	
Net/Gross weight	kg	76/87	76/87	104/125	104/125	117/138	117/138	117/138	129/150	129/150	129/150	129/150	129/150	129/150	129/150	129/150	129/150	129/150	129/150	129/150	129/150
Piping connections		R5/4"																			
Operation range	Cooling	°C	-5 ~ 46																		
	Heating	°C	-25 ~ 35																		
	DHW	°C	-25 ~ 43																		
Water outlet	Cooling	°C	5 ~ 20																		
	Heating	°C	25 ~ 80																		
	DHW	°C	20 ~ 70																		



**TCL**



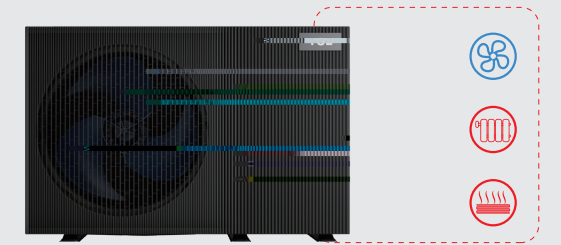
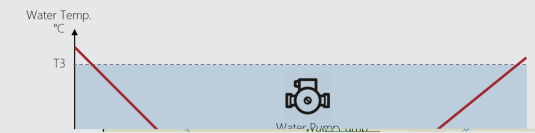
Seasonal space heating energy efficiency  $\eta_s$  average up to A+++ at 35°C  
 $\eta_s$  average up to A++ at 55°C



The maximum of leaving water temperature is 80°C



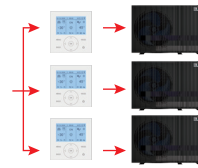
- Water pump  
Running smoothly
- Electrical heater  
Heat DHW quickly  
As a back-up facility for inclement weather
- Solar kit heater  
Energy saving



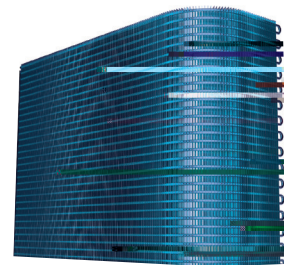
GMCC compressor  
High efficiency, the highest SCOP is 5.33

Brushless DC Motor  
Realize stepless speed regulation

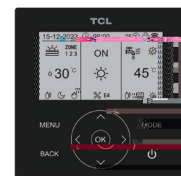
Precise flow feedback  
Energy saving and comfort temperatures



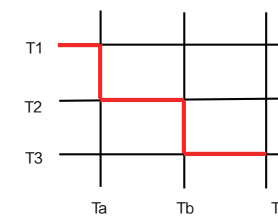
Internal thread heat transfer pipe



Corrugated fin



TCL



R290

