

Split product parameters



Heating



Cooling



Hot water



High Efficiency



Intelligent Control



Disinfect Mode



Low Noise



Holiday Mode



Timely Water Supply



Model name		THF-8D/ HBpO-A	THF-10D/ HBpO-A	THF-12D/ HBpO-A	THF-14D/ HBpO-A	THF-16D/ HBpO-A
Power supply	V/Ph/Hz	220-240/1/50				
Heating ²	Capacity	kW	8	9.5	12.2	14.5
	Rated input	kW	1.60	1.98	2.46	3.08
	COP		5.01	4.80	4.96	4.71
Heating ³	Capacity	kW	8	9.5	12.3	14.2
	Rated input	kW	2.11	2.6	3.24	3.89
	COP		3.79	3.65	3.8	3.65
Heating ⁴	Capacity	kW	7.2	9	12	14
	Rated input	kW	2.35	3	3.85	4.67
	COP		3.06	3.00	3.12	3.00
Cooling ⁵	Capacity	kW	8	9.5	12.2	13.5
	Rated input	kW	1.66	2.02	3.05	3.75
	EER		4.82	4.7	4.00	3.5
Cooling ⁶	Capacity	kW	7.10	8	11.7	12.8
	Rated input	kW	2.2	2.5	4.23	4.99
	EER		3.23	3.2	2.77	2.57
SCOP ⁷	LWT at 35°C		A+++			
	LWT at 55°C		A++			
MOP(Maximum overcurrent protection)	A	19	19	30	30	30
MCA(Minimum circuit amps)	A	16	17	25	25	27
Compressor	Type	Twin rotary DC inverter				
Outdoor fan	Motor type	Brushless DC motor				
	Number of fans	1	1	1	1	1
Air side heat exchanger	Type	Finned tube				
Refrigerant (R32)	Factory charge	kg	1.65	1.65	1.84	1.84
Throttle type		Electronic expansion valve				
Piping connections	Type		Flare	Flare	Flare	Flare
	Liquid Dia.(mm)	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52
	Gas Dia.(mm)	mm	Φ15.9	Φ15.9	Φ15.9	Φ15.9
	Min. pipe length	m	2	2	2	2
	Max. pipe length	m	30	30	30	30
Installation height	Outdoor unit above	m	20	20	20	20
Installation height difference	Outdoor unit below	m	20	20	20	20
Sound power level ⁸	dB		59	60	63	65
Sound pressure level ⁹	dB		45	49	49	51
Net dimensions (W×H×D)	mm		910×805×360		1040×870×410	
Packed dimensions (W×H×D)	mm		1030×860×475		1190×985×500	
Net/Gross weight	kg		75/85	75/85	98/112	98/112
Operating temperature range	Cooling	°C	-5 to 43			
	Heating	°C	-25 to 35			
	DHW	°C	-25 to 43			

*TCL has the right to update the specifications without prior notice.

Model name			SMKLD-10D/HBp-A	SMKLD-16D/HBp-A	
Function			Heating and cooling		
Setting water temperature range	Cooling	℃	5 to 25		
	Heating	℃	25 to 65		
	DHW(tank)	℃	30 to 60		
Power supply		V/Ph/Hz	220-240/1/50		
Sound power level ⁸		dB	42	43	
Sound pressure level(1m) ⁹		dB	30	32	
Dimension (W×H×D)		mm	420×790×270		
Packing (W×H×D)		mm	527×1040×370		
Net/gross weight		kg	37/43	39/45	
Water circuit	Piping connections		inch	R5/4"	R5/4"
	Safety valve set pressure		Mpa	0.3	0.3
	Drainage pipe connection		mm	Φ25	Φ25
	Expansion tank	Volume	L	8	8
	Max. water pressure		Mpa	0.3	0.3
	Pre-pressure		Mpa	0.1	0.1
	Water side	Type	Plate type	Plate type	
	water pump head		m	9	9
Refrigerant circuit	Liquid Dia. (mm)	mm	Φ9.52	Φ9.52	
	Gas Dia. (mm)	mm	Φ15.9	Φ15.9	

Notes:

1. Test standard: EN12102-1
2. Sound pressure level is the maximum value tested under the two conditions of Note3 and Note4 for different combination between outdoor unit and hydronic box.
3. Outdoor air temperature 7°C DB, 85% R.H.; EWT 30°C, LWT 35°C.
4. Outdoor air temperature 35°C DB, EWT 23°C, LWT 18°C.

Notes:

1. Relevant EU standards and legislation: EN4511; EN4825; EN50564; EN12102; (EU) No 811:2013; (EU) No 813:2013; OJ 2014/C 20102:2014.
2. Outdoor air temperature 7°C DB, 85% R.H.; EWT 30°C, LWT 35°C.
3. Outdoor air temperature 7°C DB, 85% R.H.; EWT 40°C, LWT 45°C.
4. Outdoor air temperature 7°C DB, 85% R.H.; EWT 47°C, LWT 55°C.
5. Outdoor air temperature 35°C DB; EWT 23°C, LWT 18°C.
6. Outdoor air temperature 35°C DB; EWT 12°C, LWT 7°C.
7. Seasonal space heating energy efficiency tested in average climate conditions.
8. Test standard: EN12102-1
9. Sound pressure level is the maximum value tested under the two conditions of Notes2 and Notes5.