

UNIT COOLER STANDARD FEATURES

TSU-TYPE

ReFree

- High efficient inner grooved copper tube (DIA. 3/8").
- Powder painted aluminum case.
- Electric defrost (U-heater)
- PVC TERMINAL BOX (IP66)
- Backward air flow configuration



MODEL NOMENCLATURE

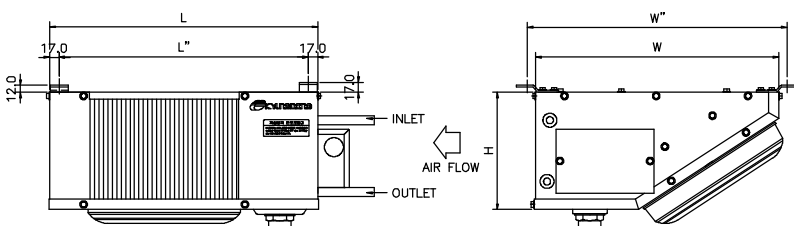
TSU	0 2 0	H	1	2	5
Model	Equiv. HP		Phase	Power	Hz
TSU	0 0 5 = 0.5 HP	H = High Temp.	1 = 1Ph	2 = 220V	5 = 50Hz
TDU	0 0 8 = 0.75 HP	(0 ~ 10°C)			6 = 60Hz
	0 1 0 = 1.0 HP	M = Medium Temp.			
	0 1 5 = 1.5 HP	(-10 ~ -5°C)			
	0 2 0 = 2.0 HP	L = Low Temp.			
	0 3 0 = 3.0 HP	(-30 ~ -20°C)			
	0 4 0 = 4.0 HP				
	0 4 5 = 4.5 HP				
	0 5 0 = 5.0 HP				

TSU Cooling Capacity & Electric Data - 50Hz

Nominal capacity R404A																		
Model	Fin	DT1=10K DT1=8K DT1=7K			Air		Air		Tube		Fan data		Connection			Defrost heater		Weight
	spacing	t _a =0°C	t _a =-8°C	t _a =-25°C	Surface	volume	throw	Sound	volume	Dia	Power input		Inlet	Outlet	Drain	Coil	Drain	
	mm	W	W	W	m ²	m ³ /h	m	dB(A)5m	dm ³	Ø x St	W	Voltage	mm	mm	A	kW x No	Fan	kg
TSU005H	4.2	755	529	-	2.7	437	5.0	44	0.6	250 x 1	47	230V 1Ph 50Hz	12.7	12.7	25	0.42kW x 1	0.30kW x 1	- 11
TSU008H	4.2	917	644	-	3.4	307	5.0	44	0.7	250 x 1	47	230V 1Ph 50Hz	12.7	12.7	25	0.42kW x 1	0.30kW x 1	- 12
TSU010H	4.2	1356	971	-	4.5	554	5.0	44	0.9	250 x 1	47	230V 1Ph 50Hz	12.7	12.7	25	0.54kW x 1	0.38kW x 1	- 13
TSU015H	4.2	1880	1347	-	6.5	665	5.5	47	1.3	250 x 2	94	230V 1Ph 50Hz	12.7	15.9	25	0.78kW x 1	0.52kW x 1	- 18
TSU020H	4.2	3025	2189	-	9.9	792	5.5	47	1.8	250 x 2	94	230V 1Ph 50Hz	12.7	15.9	25	0.88kW x 1	0.59kW x 1	- 21
TSU030H	4.2	4547	3281	-	14.6	1150	6.5	49	2.5	250 x 3	141	230V 1Ph 50Hz	12.7	15.9	25	1.25kW x 1	0.83kW x 1	- 29
TSU040H	4.2	5305	3908	-	16.5	1432	6.5	49	2.8	250 x 3	141	230V 1Ph 50Hz	12.7	19.1	25	1.40kW x 1	0.92kW x 1	- 32
TSU045H	4.2	5758	4202	-	18.8	1331	7.5	50	3.2	250 x 4	188	230V 1Ph 50Hz	12.7	19.1	25	1.59kW x 1	1.03kW x 1	- 39
TSU050H	4.2	7167	5304	-	21.9	1910	7.5	50	3.7	250 x 4	188	230V 1Ph 50Hz	12.7	22.2	25	1.84kW x 1	1.18kW x 1	- 41
TSU005M	6.0	664	469	285	2.0	453	5.5	44	0.6	250 x 1	47	230V 1Ph 50Hz	12.7	12.7	25	0.42kW x 1	0.30kW x 1	- 11
TSU008M	6.0	813	568	349	2.5	345	5.5	44	0.7	250 x 1	47	230V 1Ph 50Hz	12.7	12.7	25	0.42kW x 1	0.30kW x 1	- 12
TSU010M	6.0	1186	851	546	3.3	576	5.5	44	0.9	250 x 1	47	230V 1Ph 50Hz	12.7	12.7	25	0.54kW x 1	0.38kW x 1	- 13
TSU015M	6.0	1637	1178	760	4.7	716	6.0	47	1.3	250 x 2	94	230V 1Ph 50Hz	12.7	15.9	25	0.78kW x 1	0.52kW x 1	- 18
TSU020M	6.0	2610	1909	1265	7.1	825	6.0	47	1.8	250 x 2	94	230V 1Ph 50Hz	12.7	15.9	25	0.88kW x 1	0.59kW x 1	- 21
TSU030M	6.0	3898	2848	1922	10.5	1188	6.5	49	2.5	250 x 3	141	230V 1Ph 50Hz	12.7	15.9	25	1.25kW x 1	0.83kW x 1	- 29
TSU040M	6.0	4542	3375	2338	11.9	1457	6.5	49	2.8	250 x 3	141	230V 1Ph 50Hz	12.7	19.1	25	1.40kW x 1	0.92kW x 1	- 32
TSU045M	6.0	4971	3636	2470	13.6	1432	7.5	50	3.2	250 x 4	188	230V 1Ph 50Hz	12.7	19.1	25	1.59kW x 1	1.03kW x 1	- 39
TSU050M	6.0	6125	4569	3207	15.9	1942	7.5	50	3.7	250 x 4	188	230V 1Ph 50Hz	12.7	22.2	25	1.84kW x 1	1.18kW x 1	- 41
TSU005L	8.0	587	420	260	1.5	453	6.0	44	0.6	250 x 1	47	230V 1Ph 50Hz	12.7	12.7	25	0.42kW x 1	0.30kW x 1	- 11
TSU008L	8.0	719	505	314	1.9	358	6.0	44	0.7	250 x 1	47	230V 1Ph 50Hz	12.7	12.7	25	0.42kW x 1	0.30kW x 1	- 12
TSU010L	8.0	1041	756	493	2.6	576	6.0	44	0.9	250 x 1	47	230V 1Ph 50Hz	12.7	12.7	25	0.54kW x 1	0.38kW x 1	- 13
TSU015L	8.0	1455	1039	678	3.6	767	6.5	47	1.3	250 x 2	94	230V 1Ph 50Hz	12.7	15.9	25	0.78kW x 1	0.52kW x 1	- 18
TSU020L	8.0	2280	1674	1124	5.5	841	6.5	47	1.8	250 x 2	94	230V 1Ph 50Hz	12.7	15.9	25	0.88kW x 1	0.59kW x 1	- 21
TSU030L	8.0	3420	2496	1718	8.2	1237	7.0	49	2.5	250 x 3	141	230V 1Ph 50Hz	12.7	15.9	25	1.25kW x 1	0.83kW x 1	- 29
TSU040L	8.0	3960	2934	2062	9.2	1481	7.0	49	2.8	250 x 3	141	230V 1Ph 50Hz	12.7	19.1	25	1.40kW x 1	0.92kW x 1	- 32
TSU045L	8.0	4337	3178	2171	10.6	1483	7.5	50	3.2	250 x 4	188	230V 1Ph 50Hz	12.7	19.1	25	1.59kW x 1	1.03kW x 1	- 39
TSU050L	8.0	5333	3965	2819	12.3	1975	7.5	50	3.7	250 x 4	188	230V 1Ph 50Hz	12.7	22.2	25	1.84kW x 1	1.18kW x 1	- 41

- Air throw is determined the air velocity 0.25m/s

TSU Dimension Data

Dimensional Drawing	Model	Outline dimension			Anchor size	
		L	W	H	L"	W"
	TSU005	485	437	211	448	467
	TSU008	485	437	211	448	467
	TSU010	575	437	211	538	467
	TSU015	765	437	211	728	467
	TSU020	845	437	211	808	467
	TSU030	1145	437	211	1108	467
	TSU040	1265	437	211	1228	467
	TSU045	1415	437	211	1378	467
	TSU050	1615	437	211	1578	467