

TOSOT

MULTI ZONE HEAT PUMP SYSTEM

TM42H3O		
Performance (Non-Di	ucted Ind	loor)
Cooling Rated	Btu/h	39,000
Capacity	Blu/II	39,000
Cooling Cap. Range	Btu/h	8,871~40,944
Min-Max	Dtu/11	0,071**40,944
SEER/EER		21.0/10.4
Heating Rated	Btu/h	45,000
Capacity	Blu/II	45,000
Heating Cap. Range	Btu/h	0 071-40 062
Min-Max	Diu/II	8,871~40,062
HSPF/COP		10.2/3.6
Performance (Ducted	I Indoor)	
Cooling Rated	Btu/h	39,500
Capacity	Diu/II	39,500
Cooling Cap. Range	Btu/h	13,800~42,800
Min-Max	Diu/II	13,000,942,000
SEER/EER		14.7/9.8
Heating Rated	Btu/h	46,500
Capacity	Blu/II	46,500
Heating Cap. Range	Btu/h	7,500~47,000
Min-Max	Diu/II	7,500~47,000
HSPF/COP		9.6/3.1
Electrical		
Voltage,Phase,Cycle	V-Ph-Hz	208/230-1-60
Voltage Range	V	187~253
MCA	Α	24
MOP	Α	40
Compressor RLA	Α	17.8
Fan Motor FLA	Α	0.8
-		



Piping				
Total Pipe Length	ft	246		
Pipe Length to Any Indoor Unit Min-Max	ft	10~82		
Max Elevation between Indoor Units	ft	25		
Max Lift/Drop from ODU to IDU	ft	49		
Liquid Line	in	1/4		
Vapor Line	in	3/8		
Connection Type	,	Flared		
Operating Range				
Cooling Outdoor DB	°F	0~118		
Heating Outdoor DB	°F	-4~86		
System Data				
Compressor Type		DC Inverter Rotary		
Refrigerant Tpye		R410A		
Pre-Charge	oz	128.8		
Pre-Charge Length	ft	131		
Additional Charge	oz/ft	0.21		
Refrigerant Control		EXV		
ODU Sound Pressure (Cooling/Heating)	dB(A)	61/61		
Number of IDUs Min-M	ax	2-5		









Job Name:	[Date:
Reference #:		
Signature:		

TOSOT NORTH AMERICA

930 W 21ST STREET, CHICAGO IL 60608

TEL: +1(312)800-8455

EMAIL: TOSOTNA@GMAIL.COM





TOSOT

MULTI ZONE HEAT PUMP SYSTEM

COOLING PERFORMANCE*								
0.11					ıt Temper	ature		
Outdoor	68°F	DB	73°F DB		80°F DB		82°F DB	
Ambient	57°F WB		61°F WB		67°F WB		68°F WB	
DB	TC	SC	TC	SC	TC	SC	TC	SC
0°F	25,806	20,239	27,453	21,523	31,403	24,631	32,031	25,123
5°F	26,604	20,869	28,302	22,188	32,375	25,398	33,346	26,160
14°F	27,994	21,955	29,573	23,185	33,376	26,177	34,722	27,229
23°F	28,667	22,487	30,662	24,052	35,133	27,555	36,650	28,746
32°F	30,386	23,827	32,673	25,621	36,982	28,999	38,979	30,565
41°F	32,322	25,347	34,755	27,255	38,928	30,528	41,653	32,665
50°F	32,018	25,113	34,428	27,003	38,165	29,934	41,218	32,328
59°F	31,940	25,050	34,163	26,793	37,416	29,338	40,845	32,035
68°F	32,308	25,339	34,327	26,919	36,683	28,771	39,375	30,884
77°F	31,011	24,326	32,949	25,844	35,964	28,209	38,532	30,221
86°F	30,289	23,752	32,303	25,340	35,258	27,653	37,777	29,625
95°F	29,509	23,144	31,571	24,755	34,567	27,112	37,736	29,598
104°F	28,450	22,314	30,528	23,945	34,112	26,760	36,773	28,841
113°F	27,714	21,734	29,804	23,366	33,388	26,180	36,050	28,273
115°F	26,991	21,167	29,069	22,798	32,664	25,613	35,326	27,706
HEATING PERFORMANCE*								
		HEATIN	IG PERF	ORMAN	ICE*			
Outdoor		HEATIN			<mark>ICE*</mark> it Temper	ature		
Outdoor	60°		Indoo	or Ambien	it Temper		96%	- DD
Ambient	68°F		Indoo		it Temper	ature DB	86°F	- DB
			Indoo 73°F	or Ambien	nt Temper 80°F			- DB
Ambient	Т	- DB	Indoo 73°F T	or Ambien DB	t Temper 80°F	DB	Т	
Ambient DB	Т	DB C 105	Indoo 73°F T 29,	or Ambien DB C	t Temper 80°F T 29,	DB C	T 28,	С
Ambient DB -4°F	30, 32,	DB C 105	73°F T 29,	or Ambien DB C 598	t Temper 80°F T 29, 31,	C 055	T 28,	C 403
Ambient DB -4°F 0°F	T 30, 32, 34,	C 105 621	73°F T 29, 32,	or Ambien DB C 598 078	80°F T 29, 31, 33,	C 055 463	T 28, 30, 32,	C 403 757
Ambient DB -4°F 0°F 6°F	T 30, 32, 34, 35,	C 105 621 413	73°F T 29, 32, 33, 35,	or Ambien T DB TC 598 078 834	80°F T 29, 31, 33, 34,	C 055 463 200	T 28, 30, 32, 33,	C 403 757 440
Ambient DB -4°F 0°F 6°F 10°F	T 30, 32, 34, 35, 36,	C 105 621 413 843	73°F T 29, 32, 33, 35,	or Ambien - DB - C - 598 - 078 - 834 - 246	80°F T 29, 31, 33, 34, 35,	C 055 463 200 576	T 28, 30, 32, 33, 34,	C 403 757 440 798
Ambient DB -4°F 0°F 6°F 10°F	30, 32, 34, 35, 36, 37,	C 105 621 413 843 930	73°F T 29, 32, 33, 35, 36,	or Ambien - DB - C - 598 - 078 - 834 - 246 - 314	80°F 7 29, 31, 33, 34, 35,	C 055 463 200 576 608	T 28, 30, 32, 33, 34, 35,	C 403 757 440 798 812
Ambient DB -4°F 0°F 6°F 10°F 16°F 19°F	T 30, 32, 34, 35, 36, 37, 39,	C 105 621 413 843 930 636	73°F T 29, 32, 33, 35, 36, 37,	or Ambien - DB - C - 598 - 078 - 834 - 246 - 314 - 020	80°F T 29, 31, 33, 34, 35, 36,	C 055 463 200 576 608 296	T 28, 30, 32, 33, 34, 35, 37,	C 403 757 440 798 812 481
Ambient DB -4°F 0°F 6°F 10°F 16°F 24°F 32°F 41°F	T 30, 32, 34, 35, 36, 37, 39, 41,	C 105 621 413 843 930 636	73°F T 29, 32, 33, 35, 36, 37, 39,	or Ambien T DB T C 598 078 834 246 314 020 359	80°F T 29, 31, 33, 34, 35, 36, 38,	C 055 463 200 576 608 296 685	T 28, 30, 32, 33, 34, 35, 37, 39,	C 403 757 440 798 812 481
Ambient DB -4°F 0°F 6°F 10°F 16°F 19°F 24°F 32°F 41°F 43°F	30, 32, 34, 35, 36, 37, 39, 41, 42,	C 105 621 413 843 930 636 964 094	73°F T 29, 32, 33, 35, 36, 37, 39,	or Ambien T DB T C 598 078 834 246 314 020 359 538 786	80°F T 29, 31, 33, 34, 35, 36, 38, 39, 41,	F DB CC 055 463 200 576 608 296 685 918	T 28, 30, 32, 33, 34, 35, 37, 39, 40,	C 403 757 440 798 812 481 908
Ambient DB -4°F 0°F 6°F 10°F 16°F 19°F 24°F 32°F 41°F 43°F 47°F	30, 32, 34, 35, 36, 37, 39, 41, 42,	C 105 621 413 843 930 636 964 094 283 422	73°F T 29, 32, 33,, 35, 36, 37, 39, 40, 41, 42,	or Ambien T DB T C 598 078 834 246 314 020 359 538 786	80°F 7 29, 31, 33, 34, 35, 36, 38, 39, 41, 42,	F DB CC 055 463 200 576 608 296 685 918 202	T 28, 30, 32, 33, 34, 35, 37, 39, 40, 41,	C 403 757 440 798 812 481 908 202 545
Ambient DB -4°F 0°F 6°F 10°F 16°F 19°F 24°F 32°F 41°F 43°F 47°F 53°F	T 30, 32, 34, 35, 36, 37, 39, 41, 42, 43,	C 105 621 413 843 930 636 964 094 283 422	Indoo 73°F 29, 32, 33, 35, 36, 37, 39, 40, 41, 42,	or Ambien T DB T C 598 078 834 246 314 020 359 538 786	80°F 80°F 7 29, 31, 33, 34, 35, 36, 38, 39, 41, 42, 43,	F DB CC 055 463 200 576 608 296 685 918 202 341	T 28, 30, 32, 33, 34, 35, 37, 39, 40, 41,	C 403 757 440 798 812 481 908 202 545 684
Ambient DB -4°F 0°F 6°F 10°F 16°F 19°F 24°F 32°F 41°F 43°F 47°F 53°F 59°F	T 30, 32, 34, 35, 36, 37, 41, 42, 43, 45,	C 105 621 413 843 930 636 964 094 283 422 450	Indoo 73°F T 29, 32, 33, 35, 36, 37, 39, 40, 41, 42, 44,	or Ambien - DB - C - 598 - 078 - 834 - 246 - 314 - 020 - 359 - 538 - 786 - 911 - 663	80°F 7 29, 31, 33, 34, 35, 36, 38, 39, 41, 42, 43,	C 055 463 200 576 608 296 685 918 202 341 763	T 28, 30, 32, 33, 34, 35, 37, 39, 40, 41, 42,	C 403 757 440 798 812 481 908 202 545 684 722
Ambient DB -4°F 0°F 6°F 10°F 16°F 19°F 24°F 32°F 41°F 43°F 47°F 53°F 59°F 64°F	T 30, 32, 34, 35, 36, 37, 39, 41, 42, 43, 45,	C 105 621 413 843 930 636 964 094 283 422 450	Indoo 73°F T 29, 32, 33, 35, 36, 37, 40, 41, 42, 44, 45,	or Ambien - DB - C - 598 - 078 - 834 - 246 - 314 - 020 - 359 - 538 - 786 - 911 - 663 - 098	80°F T 29, 31, 33, 34, 35, 36, 38, 39, 41, 42, 43, 44,	C 055 463 200 576 608 296 685 918 202 341 763 198	T 28, 30, 32, 33, 34, 35, 37, 39, 40, 41, 42, 43, 44,	C 403 757 440 798 812 481 908 202 545 684 722
Ambient DB -4°F 0°F 6°F 10°F 16°F 19°F 24°F 32°F 41°F 43°F 47°F 53°F 59°F	T 30, 32, 34, 35, 36, 37, 39, 41, 42, 43, 45, 45, 46, 47,	C 105 621 413 843 930 636 964 094 283 422 450 900 955	Indoo 73°F T 29, 32, 33, 35, 36, 37, 39, 40, 41, 42, 44, 45, 46, 47,	or Ambien T DB T C T C T C T C T C T C T C T C T C T C	80°F 7 29, 31, 33, 34, 35, 36, 38, 39, 41, 42, 43, 44, 45, 46, 47,	F DB C 055 463 200 576 608 296 685 918 202 341 763 198	T 28, 30, 32, 33, 34, 35, 37, 39, 40, 41, 42, 43, 44, 45, 45,	C 403 757 440 798 812 481 908 202 545 684 722 144

LEGEND

TC --- Total Net Cooling Capacity (BtuH)

DB --- Dry Bulb

SC --- Sensible Capacity (BtuH)

Input Power---(Watts)

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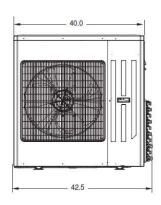


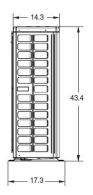


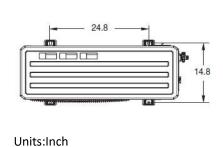
MULTI ZONE HEAT PUMP SYSTEM

OUTDOOR UNIT DIMENSIONAL SPECIFICATIONS

42,000 BTUH MODE







Suction/Gas Line Port Size

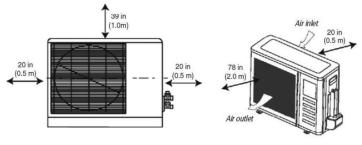
Port A	3/8-in OD Flared
Port B	3/8-in OD Flared
Port C	3/8-in OD Flared
Port D	3/8-in OD Flared
Port E	3/8-in OD Flared

Liquid Line Port Size

Port A	1/4-in OD Flared
Port B	1/4-in OD Flared
Port C	1/4-in OD Flared
Port D	1/4-in OD Flared
Port E	1/4-in OD Flared

Factory Supplied Piping Adapters

Adapter	P/N	Qty
3/8 (F) to 5/8 (M)	6654100009	2
3/8 (F) to 1/2 (M)	6654100013	4
1/4 (F) to 3/8 (M)	6654104	2



Minimum Spacing Requirements

Units: inch (m)

Notes:

- 1. Recommended Interconnecting Cable Type Stranded Copper Conductors THHN 600V Unshielded Wire
- 2. Power wiring cable size must comply with applicable national and local codes.
- 3. Test conditions are based on AHRI 210/240.

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MULTI ZONE HEAT PUMP SYSTEM

OPERATIONAL PERFORMANCE SPECIFICATIONS

COOLING CAPACITY (BTUH)

Indoor Units	Rated	Indoor	Indoor	Indoor	Indoor	Indoor
Combinations	System (BtuH)	Unit A (BtuH)	Unit B (BtuH)	Unit C (BtuH)	Unit D (BtuH)	Unit E (BtuH)
9+9	19,500	9,000	9,000	NA	NA	NA
9+12	21,000	9,000	12,000	NA	NA	NA
9+18	25,500	8,000	17,500	NA	NA	NA
9+24	26,300	7,000	19,300	NA	NA	NA
12+12	24,000	12,000	12,000	NA	NA	NA
12+18	28,400	11,400	17,000	NA	NA	NA
12+24	32,700	10,000	22,700	NA	NA	NA
18+18	31,680	15,840	15,840	NA	NA	NA
18+24	33,190	14,240	18,950	NA	NA	NA
24+24	35,120	17,560	17,560	NA	NA	NA
9+9+9	24,600	8,200	8,200	8,200	NA	NA
9+9+12	24,900	7,500	7,500	9,900	NA	NA
9+9+18	30,200	7,200	7,200	15,800	NA	NA
9+9+24	34,900	6,600	6,600	21,700	NA	NA
9+12+12	29,600	8,000	10,800	10,800	NA	NA
9+12+18	32,900	7,400	9,800	15,700	NA	NA
9+12+24	36,100	6,800	9,100	20,200	NA	NA
9+18+18	36,100	6,500	14,800	14,800	NA	NA
12+12+12	31,200	10,400	10,400	10,400	NA	NA
12+12+18	35,100	9,960	9,960	15,180	NA	NA
12+12+24	37,500	9,300	9,300	18,900	NA	NA
12+18+18	37,500	8,900	14,300	14,300	NA	NA
9+9+9+9	35,480	8,870	8,870	8,870	8,870	NA
9+9+9+12	36,490	8,460	8,460	8,460	11,110	NA
9+9+9+18	38,350	7,650	7,650	7,650	15,400	NA
9+9+12+12	39,000	8,300	8,300	11,200	11,200	NA
9+9+12+18	39,840	7,470	7,470	9,960	14,940	NA
9+12+12+12	39,280	7,000	10,760	10,760	10,760	NA
9+12+12+18	40,010	6,760	9,600	9,600	14,050	NA
12+12+12+12	39,800	9,950	9,950	9,950	9,950	NA
9+9+9+9	39,600	7,920	7,920	7,920	7,920	7,920
9+9+9+9+12	39,700	7,430	7,430	7,430	7,430	9,980

Note:

¹⁾ It is critical to size the outdoor unit for the entire building load and each indoor unit for it's individual zone load. Cooling Nominal Test Conditions: Indoor: 80°F DB/67°F WB Outdoor: 95°F DB/75°F WB







MULTI ZONE HEAT PUMP SYSTEM

OPERATIONAL PERFORMANCE SPECIFICATIONS

HEATING CAPACITY (BTUH)

Indoor Units	Rated	Indoor	Indoor	Indoor	Indoor	Indoor
Combinations	System (BtuH)	Unit A (BtuH)	Unit B (BtuH)	Unit C (BtuH)	Unit D (BtuH)	Unit E (BtuH)
9+9	32,500	9,500	9,500	NA	NA	NA
9+12	35,500	9,500	13,000	NA	NA	NA
9+18	46,300	9,300	18,500	NA	NA	NA
9+24	51,200	8,000	21,600	NA	NA	NA
12+12	39,000	13,000	13,000	NA	NA	NA
12+18	47,000	12,000	17,500	NA	NA	NA
12+24	58,400	11,200	23,600	NA	NA	NA
18+18	52,000	17,400	17,300	NA	NA	NA
18+24	59,400	16,200	21,600	NA	NA	NA
24+24	57,600	19,200	19,200	NA	NA	NA
9+9+9	36,000	9,000	9,000	9,000	NA	NA
9+9+12	37,800	9,000	9,000	10,800	NA	NA
9+9+18	43,800	8,800	8,800	17,400	NA	NA
9+9+24	47,500	7,900	7,900	23,800	NA	NA
9+12+12	45,000	9,000	12,000	12,000	NA	NA
9+12+18	47,350	8,650	11,200	16,300	NA	NA
9+12+24	51,180	7,900	10,240	22,800	NA	NA
9+18+18	57,750	7,560	16,730	16,730	NA	NA
12+12+12	48,000	12,000	12,000	12,000	NA	NA
12+12+18	51,500	11,400	11,400	17,300	NA	NA
12+12+24	53,120	10,620	10,620	21,260	NA	NA
12+18+18	58,685	10,130	16,185	16,185	NA	NA
9+9+9+9	55,000	11,000	11,000	11,000	11,000	NA
9+9+9+12	54,460	10,260	10,260	10,260	13,420	NA
9+9+9+18	53,880	8,920	8,920	8,920	18,200	NA
9+9+12+12	54,630	9,630	9,630	12,870	12,870	NA
9+9+12+18	54,150	8,550	8,550	11,400	17,100	NA
9+12+12+12	57,680	8,120	12,390	12,390	12,390	NA
9+12+12+18	56,250	8,010	10,680	10,680	16,200	NA
12+12+12+12	57,350	11,470	11,470	11,470	11,470	NA
9+9+9+9	54,600	9,100	9,100	9,100	9,100	9,100
9+9+9+9+12	54,180	8,540	8,540	8,540	8,540	11,480

Note:

¹⁾ It is critical to size the outdoor unit for the entire building load and each indoor unit for it's individual zone load. Cooling Nominal Test Conditions: Indoor: 80°F DB/67°F WB Outdoor: 95°F DB/75°F WB





MULTI ZONE HEAT PUMP SYSTEM

NON-DUCTED INDOOR UNIT

SAPPHIRE WALL MOUNTED INDOOR UNIT

Model			TW09HQ3D6DI(WIFI)	TW12HQ3D6DI(WIFI)	TW18HQ3D6DI(WIFI)	TW24HQ3D6DI(WIFI)
Capacity	Cooling	Btu/h	9000	12000(2900~15354)	18000(4094~21837)	22000(6800~30700)
Cupucity	Heating	Btu/h	9000	12200(3071~18766)	18000(4094~24566)	24000(6800~32000)
Power Supply		Ph/V/Hz	1Ph,208/230V,60Hz	1Ph,208/230V,60Hz	1Ph,208/230V,60Hz	1Ph,208/230V,60Hz
Airflow Volume	Indoor	m³/h	720/650/600/550/500/ 450/350	850/800/750/600/550/ 450/400	1250/1150/1050/950/850/ 780/600	1400/1300/1200/1100/ 1000/ 850/650
Sound Pressure Level	Indoor	dB(A)	43/40/38/36/33/31/19	49/46/43/40/37/34/22	51/48/45/42/39/36/34	54/49/46/43/40/37/34/27
Dimension(WxHxD)	Outline	inch	38-1/4x11-3/4x8-7/8	39-1/4x11-7/8x8-7/8	43-3/8x12-7/8x9-3/4	42-1/2x12-3/4x9-5/8
Diffierision(vvxi ixD)	Package	inch	41x14-7/8x8-7/8	41-3/4x15x12-5/8	45-1/4x16-1/4x13-3/4	45-1/8x15-3/4x13
D: : 0 !!	Liquid	inch	1/4	1/4	1/4	1/4
Piping Connection	Gas	inch	3/8	1/2	5/8	5/8
Net Weight/Gross Weight	Indoor	Kg	13.5/16.5	13.5/16.5	16.5/20	16/19.5
Loading Quantity	40'GP	sets	156	156	87	86
Loading Quartity	40'HP	sets	180	180	107	108

LOMO WALL MOUNTED INDOOR UNIT

Model			TW09HQ2C2DI(WIFI)	TW12HQ2C2DI(WIFI)	TW18HQ2C2DI(WIFI)	TW24HQ2C2DI(WIFI)
Capacity	Cooling	Btu/h	9000(3099~9599)	12000(3100~13000)	18000(6800~20000)	22000(6824~27296)
Capacity	Heating	Btu/h	11000(1911~12000)	13000(2400~14000)	19800(7340~23500)	23000(6824~30708)
Power Supply		Ph/V/Hz	1Ph,208/230V,60Hz	1Ph,208/230V,60Hz	1Ph,208/230V,60Hz	1Ph,208/230V,60Hz
Airflow Volumo		m³/h	640/490/410/290	680/490/410/290	950/830/700/570	1200/1100/1000/90
Airflow Volume		CFM	376/288/241/170	400/288/241/171	559/488/412/335	706/647/588/530
Sound Pressure Level	Indoor	dB(A)	43/39/35/29	45/39/35/29	47/43/40/39	48/44/40/36
Dimension(WxHxD)	Outline	inch	33-1/4x11-3/8x8-1/4	33-1/4x11-3/8x8-1/4	38-1/4x11-3/4x8-7/8	42-1/2x12-3/4x9-5/8
Differsion(vvxnxD)	Package	inch	36-1/4×14-7/8×11-1/8	36-1/4x14-7/8x11-1/8	41x15-1/8x12-5/8	45-1/4x16-1/4x13-3/4
D: : 0 ::	Liquid	inch	1/4	1/4	1/4	1/4
Piping Connection	Gas	inch	3/8	1/2	5/8	5/8
Net Weight/Gross Weight	Indoor	Kg	10/12	10/12	12.5/15.5	15.5/19
Loading Quantity	20'GP	sets	300	300	230	172
Loading Quartilly	40'HP	sets	728/624	728/624	557/489	402/346

FLOOR CEILING TYPE INDOOR UNIT

Model			TM09HTDI	TM12HTDI	TM18HTDI	TM24HBDI
Capacity	Cooling	Btu/h	8500	11900	17000	22800
Capacity	Heating	Btu/h	9500	13100	18700	27400
Power Supply		Ph/V/Hz	1Ph,208/230V,60Hz	1Ph,208/230V,60Hz	1Ph,208/230V,60Hz	1Ph,208/230V,60Hz
Airflow Volume		m³/h	700/610/540/420	700/610/540/420	680/590/520/410	950/870/800/720
All llow volume		CFM	38/35/30/26	38/35/30/26	38/35/30/27	38/35/31/27
Sound Pressure Level	Indoor	dB(A)	43/39/35/29	45/39/35/29	47/43/40/39	48/44/40/36
Dimension(WxHxD)	Outline	inch	34-1/4x26-1/8x9-1/4	34-1/4x26-1/8x9-1/4	34-1/4x26-1/8x9-1/4	47-1/4x26-1/8x9-1/4
Differsion(wxnxD)	Package	inch	40-5/8x30-3/8x11-3/4	40-5/8x30-3/8x11-3/4	40-5/8x30-3/8x11-3/4	53-5/8x30-3/8x11-3/4
D: : 0 ::	Liquid	inch	1/4	1/4	1/4	3/8
Piping Connection	Gas	inch	3/8	1/2	1/2	5/8
Net Weight/Gross Weight	Indoor	Kg	25/30	25/30	25.5/30.5	33/40
Loading Quantity	20'GP	sets	231	231	231	175
Loading Quartitly	40'HP	sets	264	264	264	200







MULTI ZONE HEAT PUMP SYSTEM

NON-DUCTED INDOOR UNIT

4-WAY CASSETTE INDOOR UNIT

Model			TM12HKDI TM18HKDI		TM24HKDI	
Capacity	Cooling	Btu/h	12000	14400	22800	
Cupucity	Heating	Btu/h	13000	16000	27400	
Power Supply		Ph/V/Hz	1Ph,208/230V,60Hz	1Ph,208/230V,60Hz	1Ph,208/230V,60Hz	
Airflow Volume		m³/h	650/560/520/450	710/670/590/450	1280/1220/1100/880	
Sound Pressure Level	Indoor	dB(A)	44/41/38/34	47/45/41/35	47/45/41/36	
Main body Dimension(WxHxD)	Outline	inch	23-1/2x23-1/2x9-1/2	23-1/2x23-1/2x9-1/2	33-1/8x33-1/8x9-1/2	
	Package	inch	30-5/8x29x11-3/4	30-5/8x29x11-3/4	37-7/8x37-7/8x12-3/4	
Panel Dimension(WxHxD)	Outline	inch	inch 26-3/8x2x26-3/8 26-3/8x2x26-3/8		37-3/8x2-3/8x37-3/8	
	Package	inch	30x4-1/8x30	30x4-1/8x30	40-5/8x5-1/4x40-7/8	
	Liquid	inch	1/4	1/4	3/8	
Piping Connection	Gas	inch	3/8	1/2	5/8	
Loading Quantity	40'GP	sets	329	329	168	
	40'HP	sets	376	376	192	
Net Weight/Gross Weight (Main body) Kg		Kg	20/24	20/24	26/32	
Net Weight/Gross Weight (Panel) Kg		Kg	3.5/5	3.5/5	7/11	

CONSOLE TYPE INDOOR UNIT

Model			TM09HEDI	TM12HEDI	TM18HEDI
Capacity	Cooling	Btu/h	8800	11900	18000
Capacity	Heating	Btu/h	9500	12900	19000
Power Supply		Ph/V/Hz	1Ph,208/230V,60Hz	1Ph,208/230V,60Hz	1Ph,208/230V,60Hz
Airflow Volume		m³/h	500	600	650
Sound Pressure Level	Indoor	dB(A)	40/38/36/33/30/27/25	42/40/38/37/35/32/27	48/46/44/41/37/35/32
Dimension(WxHxD)	Outline	inch	27-1/2x8-1/2x23-5/8 27-1/2x8-1/2x23-5/8		27-1/2x8-1/2x23-5/8
	Package	inch	31x27-1/2x11-1/8	31x27-1/2x11-1/8	31x27-1/2x11-1/8
Dining Comments	Liquid	inch	1/4	1/4	1/4
Piping Connection	Gas	inch	3/8	3/8	1/2
Loading Quantity	20'GP	sets	181 181		181
Louding Quality	40'GP	sets	381/454	381/454	381/454
Net Weight/Gross Weight		Kg	15/18	15/18	15/18

TOSOT NORTH AMERICA

930 W 21ST STREET, CHICAGO IL 60608

TEL: +1(312)800-8455







MULTI ZONE HEAT PUMP SYSTEM

DUCTED INDOOR UNIT

LOW-STATIC DUCT TYPE INDOOR UNIT

Model			TM09HFDI	TM12HFDI	TM18HFDI	TM21HFDI	TM24HFDI
Capacity	Cooling	Btu/h	8500	11900	15700	20400	22800
	Heating	Btu/h	9550	13100	18700	22600	27400
Power Supply		Ph/V/Hz	1Ph,208/230V,60Hz	1Ph,208/230V,60Hz	1Ph,208/230V,60Hz	1Ph,208/230V,60Hz	1Ph,208/230V,60Hz
Airflow Volume		m³/h	450	550	700	1000	1000
Sound Pressure Level	Indoor	dB(A)	37/31	39/32	41/33	42/34	42/34
Net Weight/Gross Weight		Kg	22/27	23/29	27/36	31/41	31/41
Piping Connection -	Liquid	inch	1/4	1/4	1/4	3/8	3/8
	Gas	inch	3/8	3/8	1/2	5/8	5/8
Loading Quantity	20'GP	sets	108	108	90	72	72
	40'HP/40'HQ	sets	234/234	234/234	192/192	162/162	162/162
Dimension(WxHxD)	Outline	inch	27-1/2x24-1/4x7-7/8	27-1/2x24-1/4x7-7/8	35-3/8x24-1/4x7-7/8	43-1/4x24-1/4x7-7/8	43-1/4x24-1/4x7-7/8
Dilliension(vvxHxD)	Package	inch	35-1/8x29-1/4x12	35-1/8x29-1/4x12	44-1/4x29-1/4x12	52-1/8x29-1/4x12	52-1/8x29-1/4x12

HIGH-STATIC DUCT TYPE INDOOR UNIT

Model			TM09HSFDI	TM12HSFDI	TM18HSFDI	TM24HSFDI
Capacity	Cooling	Btu/h	9000	12000	18000	24000
	Heating	Btu/h	9500	13000	19000	27000
Power Supply		Ph/V/Hz	1Ph,208/230V,60Hz	1Ph,208/230V,60Hz	1Ph,208/230V,60Hz	1Ph,208/230V,60Hz
Airflow Volume		m³/h	430/360/320	490/420/360	700/530/490	950/770/690
Sound Pressure Level	Indoor	dB(A)	36/30/27/25	38/33/29/26	39/33/29/26	42/36/32/28
Net Weight/Gross Weight		Kg	32/38	32/38	42/48.5	42/48.5
Piping Connection	Liquid	inch	1/4	1/4	3/8	3/8
	Gas	inch	3/8	1/2	5/8	5/8
Loading Quantity	20'GP	sets	84	84	66	66
	40'HP/40'HQ	sets	168/196	168/196	138/161	138/161
Dimension(WxHxD)	Outline	inch	32-5/8x29-5/8x11-3/4	32-5/8x29-5/8x11-3/4	44-1/2x29-5/8x11-3/4	44-1/2x29-5/8x11-3/4
	Package	inch	35-3/8x31-3/4x14-1/8	35-3/8x31-3/4x14-1/8	47-1/2x32x14-1/8	47-1/2x32x14-1/8

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