



### Nexus Series SINGLE ZONE HEAT PUMP MINI SPLITS

Indoor Model #			9K	12K	9K	12K	18K	24K	36K	
Outdoor Model #			9K	12K	9K	12K	18K	24K	36K	
Type			cooling&heating	cooling&heating	cooling&heating	cooling&heating	cooling&heating	cooling&heating	cooling&heating	
Control type			remote	remote	remote	remote	remote	remote	remote	
Power supply			115V~60Hz/1P	115V~60Hz/1P	208/230V~60Hz/1P	208/230V~60Hz/1P	208/230V~60Hz/1P	208/230V~60Hz/1P	208/230V~60Hz/1P	
Rated Cooling (95F/35C)	Rated cooling capacity (95F/35C)	Btu/h	9000	12000	9000	12000	18000	24000	36000	
	EER2 (95F/35C)	Btu/W.h	11.0	11.0	11.0	11.0	10.0	10.0	9.0	
	SEER2	Btu/W.h	19.0	20.0	20.0	20.0	19.5	19.5	19.0	
Rated Heating	Rated Heating capacity(47F/8.3C)	Btu/h	10000	12400	10000	12400	19000	24400	36000	
	HSPF2 Rating (Region IV)	Btu/W.h	9	9	9	9	9	8.5	8.5	
	HSPF2 Rating (Region V)	Btu/W.h	7.0	7.2	7.0	7.2	7.0	7.0	7.0	
	COP2 (47F/8.3C)	W/W	3.41	3.41	3.41	3.41	3.41	3.21	3.01	
	Max. Heating capacity (5°F/-15°C)	W/W	7200	8700	7200	8700	11200	15400	21300	
			72%	70%	72%	70%	59%	63%	59%	
Rated Input Consumption	COP2 (5°F/-15°C)	W/W	1.8	1.8	1.8	1.8	1.8	1.8	1.8	
	Cooling	W	750	1050	750	1050	1700	2080	3850	
	Heating	W	750	1030	750	1030	1530	1800	3350	
Rated Current	Cooling	A	6.8	9.5	3.4	4.8	7.7	9.4	17.4	
	Heating	A	6.8	9.3	3.4	4.7	6.9	8.2	15.2	
NEEP, Canada			YES	YES	YES	YES	YES	YES	YES	
Current Range			A 2.4~7.8	3.3~10.9	1.2~3.9	1.7~5.5	2.7~8.9	3.3~10.8	6.1~20.0	
Max. Current (T1)			A 9	13	5	7	11	13	23	
Min. Circuit Ampacity			A 17	17	15	11	13	19	23	
Max. Fuse size			A 25	25	15	15	20	30	35	
Moisture removal			Liters/h 1.1	1.6	1.1	1.6	2.2	2.6	3	
Maximum Operation Pressure			PSIG 550	550	550	550	550	550	550	
Indoor noise level at cooling			Turbo/High/Med./Low/Mute	Pending	Pending	Pending	Pending	49/47/42/37/32	52/50/44/38/36	
Outdoor noise level				Pending	Pending	Pending	Pending	56	58	
Connecting Pipe	Gas	inches	3/8"	3/8"	3/8"	3/8"	3/8"	1/2"	5/8"	
	Liquid	inches	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	
Connecting Wiring			Size x Core number	4×16AWG	4×16AWG	4×16AWG	4×16AWG	4×16AWG	4×16AWG	
Suitable area			sq.ft	Up to 400	Up to 550	Up to 400	Up to 550	Up to 1000	Up to 1500	
*** Indoor Unit ***										
Indoor air circulation-Turbo/Hi/Mid/Lo/Mute			m <sup>3</sup> /h	580/520/400/340/260	520/450/380/300/240	580/520/400/340/260	520/450/380/300/240	1030/790/730	1440/1190/1090	1440/1200/1000/800/700
*** Outdoor Unit ***			CFM	342/303/268/233/197	303/264/222/176/140	342/303/268/233/197	303/264/222/176/140	606/465/429	847/700/641	847/700/588/470/411
Net dimensions (W x D x H)	Indoor	mm	811x292x205	811x292x205	811x292x205	811x292x205	1010x315x220	1192x360x260	1192x360x260	
		inch	31.92x11.49x8.07	31.92x11.49x8.07	31.92x11.49x8.07	31.92x11.49x8.07	39.76x12.40x8.66	46.93x14.17x10.23	46.93x14.17x10.23	
	Outdoor	mm	715x290x498	715x290x498	715x290x498	715x290x498	780x349x605	845x380x699	910x420x800	
		inch	28.14x11.42x19.61	28.14x11.42x19.61	28.14x11.42x19.61	28.14x11.42x19.61	30.70x13.74x23.81	33.26x14.96x27.51	35.83x16.54x31.50	
Net weight	Indoor	kg	9	9	9	9	0	0	18	
		lbs	19.8	19.8	19.8	19.8	0.0	0.0	39.7	
	Outdoor	kg	22	25	22	25	0.0	0.0	48	
		lbs	48.5	55.1	48.5	55.1	0.0	0.0	105.8	
Indoor Packing dimensions (W x D x H)			mm	885x366x275	885x366x278	885x366x275	885x366x278	1096x390x300	1265x435x337	
Outdoor Packing dimensions (W x D x H) (without pipe)			inch	34.84x14.40x10.94	34.84x14.40x10.94	34.84x14.40x10.94	34.84x14.40x10.94	43.15x15.35x11.81	49.80x17.13x13.27	
Outdoor Packing dimensions (W x D x H) (with pipe)			mm	818x325x538	818x325x538	818x325x538	818x325x538	890x385x640	950x420x750	
Outdoor Packing dimensions (W x D x H) (with pipe)			inch	32.20x12.80x21.18	32.20x12.80x21.18	32.20x12.80x21.18	32.20x12.80x21.18	35.03x15.15x25.2	37.40x16.53x29.53	
Gross weight (without pipe)	Indoor	kg	12	12	12	12	0	0	21	
		lbs	0.0	26.5	0.0	26.5	0.0	0.0	46.3	
	Outdoor	kg	27	27	27	27	0.0	0.0	52	
		lbs	0.0	59.5	0.0	59.5	0.0	0.0	114.6	
Gross weight (with 5m pipe)	kg	28.5	28.5	28.5	28.5	0.0	0.0	54.5		
	lbs	0.0	62.8	0.0	62.8	0.0	0.0	120.2		
Loading Capacity (IN+OUT)			40HC (without pipe)	295	295	295	295	196	154	
Loading Capacity (IN+OUT)			40HC (with pipe)	270	270	270	270	180	154	
Loading Capacity (INOOR)			40HC/ 40'GP/ 20'GP	718/638/302	718/638/302	718/638/302	718/638/302	476/417/198	322/276/126	
Loading Capacity (OUT)			40HC/ 40'GP/ 20'GP(without pipe)	490/400/196	490/400/196	490/400/196	490/400/196	290/213/102	189/187/89	
Loading Capacity (OUT)			40HC/ 40'GP/ 20'GP(with pipe)	360/358/167	360/358/167	360/358/167	360/358/167	274/207/100	189/187/89	
Factory Precharge Line			(m/R)	7.5 / 25	7.5 / 25	7.5 / 25	7.5 / 25	7.5 / 25	7.5 / 25	
Maximum Line Length			(m/R)	15 / 50	15 / 50	15 / 50	15 / 50	20 / 65	20 / 65	
Maximum Height Difference Between Indoor and Outdoor			(m/R)	10 / 33	10 / 33	10 / 33	10 / 33	15 / 49	15 / 49	
Additional refrigerant charge			(g/m, oz/R)	10 / 0.11	10 / 0.11	10 / 0.11	10 / 0.11	10 / 0.11	10 / 0.11	
Operation temperature			°C	16~31	16~31	16~31	16~31	16~31	16~31	
Ambient temperature	Indoor(cooling/ heating)	°C	>=17/<=30	>=17/<=30	>=17/<=30	>=17/<=30	>=17/<=30	>=17/<=30	>=17/<=30	
	Outdoor(cooling/heating)	°C	-15~50/-20~30	-15~50/-20~30	-15~50/-20~30	-15~50/-20~30	-15~50/-20~30	-15~50/-20~30	-15~50/-20~30	
Ambient temperature	Indoor(cooling/ heating)	F	>=62/<=86	>=62/<=86	>=62/<=86	>=62/<=86	>=62/<=86	>=62/<=86	>=62/<=86	
	Outdoor(cooling/heating)	F	5~122/-4~86	5~122/-4~86	5~122/-4~86	5~122/-4~86	5~122/-4~86	5~122/-4~86	5~122/-4~86	
Stacking layers	Indoor	pieces	7	7	7	7	6	6	6	
	Outdoor	pieces	5	5	6	6	4	3	2	