



Nova Series SINGLE ZONE HEAT PUMP MINI SPLITS

Indoor Model #			12K	12K	18K	24K
Outdoor Model #			12K	12K	18K	24K
Type			cooling&heating	cooling&heating	cooling&heating	cooling&heating
Control type			remote	remote	remote	remote
Power supply			115V~/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	11500	11500	17000	23000
	EER2 (95F/35C)	Btu/W.h	9.4	9.5	9	9.5
	SEER2	Btu/W.h	17.5	17	18	19
Rated Heating	Rated Heating capacity (47F/8.3C)	Btu/h	11500	12000	16500	22000
	HSPF2 Rating (Region IV)	Btu/W.h	8.5	9	8.5	8.5
	HSPF2 Rating (Region V)	Btu/W.h	7.2	7.2		3.5
	COP2 (47F/8.3C)	W/W	3.3	3.3	3.5	3.3
	Max. Heating capacity (5°F/-15°C)	W/W	8100	8700	10000	12000
			70%	73%	61%	55%
	COP2 (5°F/-15°C)	W/W	1.9	1.8	2	2
Rated Input Consumption	Cooling	W	1180	1170	1770	2350
	Heating	W	1005	1100	1440	1900
Rated Current	Cooling	A	10.38	5.1	8	10.3
	Heating	A	8.78	4.8	6.5	8.5
NEEP, Canada			YES	YES	YES	YES
Current Range	A	2.0~13.0	2~8	1.4~12.0	1.5~12.0	
Max. Current (T1)	A	2.0~14.0	8	12	13	
Min. Circuit Ampacity	A	17	11	13	13	
Max. Fuse size	A	25	15	20	20	
Moisture removal	Liters/h	1.3	1.3	1.6	2.4	
Maximum Operation Pressure	PSIG	652	652	652	652	
Indoor noise level at cooling	Turbo/High/Med./Low/Mute		42.9/40/36.1/33/29	45/42/39/35/33	49/45/43/40/37/34/32	50/48/47/46/43/40/37
Outdoor noise level			53	55	57	56
Connecting Pipe	Gas	inches	3/8"	5/8"	5/8"	1/2"
	Liquid	inches	1/4"	7/16"	7/16"	1/4"
Connecting Wiring	Size x Core number		4x16AWG	4x16AWG	4x16AWG	4x0.75mm2
Suitable area	sq.ft		Up to 550	Up to 550	Up to 1000	Up to 1500
*** Indoor Unit ***						
	Speed-Cool-Turbo/Hi/Mid/Lo/Mute	rpm	1350/1200/1000/900/750	1270/1200/1060/940/870	1400/1260/1050/870/800	1250/1150/970/800/750
	Speed-Dry	rpm	900	1270	870	920
	Speed-Heat-Turbo/Hi/Mid/Lo/Mute	rpm	1350/1200/1050/950/850	1270/1200/1060/940/870	1300/1200/1000/800/750	1270/1200/1000/850/750
Indoor air circulation-Turbo/Hi/Mid/Lo/Mute	m ³ /h		470/450/410/380/350	500/450/400/350/270	1000	1000
	CFM		276/265/241/224/206	294/264/235/206/159	588	588
Net dimensions (W x D x H)	Indoor	mm	777x250x201	777x250x201	910x294x206	1010x315x220
		inch	30.59x9.84x7.91	30.59x9.84x7.91	35.82x11.57x8.11	39.76x12.40x8.66
	Outdoor	mm	777x290x498	787x290x498	810x305x549	780x349x605
		inch	30.59x11.42x19.61	30.98x11.41x19.61	31.88x12.00x21.61	30.70x13.74x23.81
Net weight	Indoor	kg	7.7	8	9.7	12
		lbs	16.98	17.64	21.38	26.46
	Outdoor without pipe	kg	22.5	22	25.5	32
		lbs	49.6035	48.5012	56.2173	70.5472
Indoor Packing dimensions (W x D x H)	mm	840x315x260	840x315x260	979x372x277	1096x390x300	
	inch	33.07x12.4x10.23	33.07x12.40x10.23	38.54x14.64x10.90	43.15x15.35x11.81	
Outdoor Packing dimensions (W x D x H) (without pipe)	mm	818x325x515	818x325x538	835x340x585	890x385x640	
	inch	32.20x12.80x20.27	32.20x12.80x21.18	32.87x13.38x23.03	35.03x15.15x25.2	
Outdoor Packing dimensions (W x D x H) (with pipe)	mm	838x338x550	838x338x550	854x360x636	905x410x695	
	inch	33.00x13.31x21.65	33.00x13.31x21.65	33.62x14.17x25.04	35.63x16.15x27.37	
Gross weight (without pipe)	Indoor	kg	9.5	10	12	15.5
		lbs	20.9437	22.046	26.4552	34.1713
	Outdoor	kg	24	25	28	34.5
		lbs	52.9104	55.115	61.7288	76.0587
Gross weight (with 5m pipe)	Outdoor	kg	25	26.5	29.5	36
	Outdoor	lbs	55.115	58.4219	65.0357	79.3656
Loading Capacity (IN+OUT)	40HC (with pipe)		288	288	230	180
Loading Capacity (INOOR)	40HC		930	930	645	476
Loading Capacity (OUT)	40HC(with pipe)		360	360	344	274
Factory Precharge Line	(m/ft)		7.5 / 25	7.5 / 25	7.5 / 25	7.5 / 25
Maximum Line Length	(m/ft)		15 / 50	15 / 50	15 / 50	20 / 65
Maximum Height Difference Between Indoor and Outdoor	(m/ft)		10 / 33	10 / 33	10 / 33	15 / 49
Additional refrigerant charge	(g/m, oz/ft)		10 / 0.11	10 / 0.11	10 / 0.11	10 / 0.11
Operation temperature	°C		16~31	16~31	16~31	16~31
Ambinet temperature	Indoor(cooling/ heating)	°C	>=17/<=30	>=17/<=30	>=17/<=30	>=17/<=30
	Outdoor(cooling/heating)	°C	12~50/-15~30	12~50/-15~30	12~50/-15~30	12~50/-15~30
Ambinet temperature	Indoor(cooling/ heating)	F	>=62/<=86	>=62/<=86	>=62/<=86	>=62/<=86
	Outdoor(cooling/heating)	F	53.6~122/5~86	53.6~122/5~86	53.6~122/5~86	53.6~122/5~86
Stacking layers	Indoor	pieces	7	7	6	6
	Outdoor	pieces	6	6	5	4