

Spec_Heating pump

Model number			ID:ASQEM7H1E12 OD:ASQCI7H1E12	ID:ASQEM7H4E12 OD:ASQCI7H4E12	ID:ASQEM7H4E18 OD:ASQCI7H4E18	ID:ASQEM7H4E24 OD:ASQCI7H4E24	ID:ASQEM7H4E36 OD:ASQCI7H4E36
			770X+660C	770X+660C	900X+728D	1010X(φ7×2)+780C(φ5×2)	1186X(φ7×3)+910C(φ7×2)
			12K-115V-HP	11K-230V-HP	17K HP	23K	35K
Type			cooling&heating	cooling&heating	cooling&heating	cooling&heating	cooling&heating
Control type			remote	remote	remote	remote	remote
Power supply			115V~/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	11500	11500	17000	23000	35000
	Range Cooling capacity	Btu/h	2050~12000	2050~12000	4095~17700	5120~24500	7500~36000
	EER2 (95F/35C)	Btu/W.h	9.5	9.5	9.5	9.5	9.5
	SEER2	Btu/W.h	17	17	17	17	17
Rated Heating	Rated Heating capacity(47F/8.3 C)	Btu/h	11500	11500	16500	22400	35400
	Rated Heating capacity(17F/-8.3C)	Btu/h	6800	8100	10000	13500	20400
	Range Heating capacity	Btu/h	2050~12500	2050~12500	4095~17700	5120~24500	7500~36000
	HSPF2 Rating (Region IV)	Btu/W.h	9.5	8.5	8.5	9.5	8.5
	HSPF2 Rating (Region V)	Btu/W.h	8.1	7.1	7.2	8.5	7.5
	COP2 (47F/8.3C)	W/W	3.3	3.2	3.2	3.3	3.2
	Max. Heating capcacity (5°F/-15°C)	W/W	8000	7000	9500	12000	18000
	5F Heating Ratio		70%	61%	58%	54%	51%
	COP2 (5°F/-15°C)	W/W	1.9	1.75	1.8	1.8	1.8

	Max. Heating capcacity (-4°F/- 20°C)	Btu/h	/	/	/	/	/
	Max. Heating capcacity (-13°F/- 25°C)	Btu/h	/	/	/	/	/
Rated Input Consumption	Cooling	W	1180	1170	1770	2365	3350
	Heating	W	1005	1100	1440	1900	3000
Rated Current	Cooling	A	10.4	5.1	7.7	10.3	14.6
	Heating	A	8.8	4.8	6.3	8.4	13.2
NEEP, Canada			NO	NO	NO	NO	NO
Energy Star			NO	NO	NO	NO	NO
Quebec			NO	NO	NO	NO	NO
Nova Scotia			NO	NO	NO	NO	NO
Min. Circuit Ampacity		A	17	11	12	17	23
Max. Fuse size		A	25	15	20	25	35
Moisture removal		Liters/h	1.3	1.3	1.6	2.4	3
Maximum Operation Pressure		Mpa	5	5	5	5	5
Indoor noise level at cooling	Turbo/High/Med./ Low/Mute	dB(A)	43/40/36/33/29	45/42/39/35/33	49/45/40/34/32	50/48/46/40/37	55/52/46/41/39
Outdoor noise level		dB(A)	53	55	57	56	63
Connecting Pipe	Gas	inches	3/8"	3/8"	3/8"	1/2"	5/8"
	Liquid	inches	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
Power Cord	Core number		14AWG	14AWG	14AWG	14AWG	12AWG
Suitable area		sq.ft	Up to 280	Up to 280	Up to 380	Up to 480	Up to 646
*** Indoor Unit ***							
Indoor Motor	Motor Brand		Tongde	Weilling	Welling	Welling	Broad-Ocean
Indoor air circulation- Turbo/Hi/Mid/Lo/Mute		m3/h	470/450/410/380/350	500/450/400/350/270	700/620/500/400/355	1150/1070/860/700/600	1500/1260/960/780/700
		CFM	276/265/241/224/206	294/264/235/206/159	412/364/294/235/208	676/629/505/412/352	882/741/564/458/411
*** Outdoor Unit ***							
Refrigerant		Type	R32	R32	R32	R32	R32
		g	500	500	670	1040	1590
	1oz=28.35g	ozs	17.63	17.63	23.63	36.68	56.08
Outdoor Motor	Motor Brand		Weilling	Weilling	Welling	Welling	Broad-Ocean
		mm	777×201×250	777×201×250	910×206×294	1010×220×315	1191×258×360

Net dimensions (W x D x H)	Indoor	inch	30.59×7.91×9.84	30.59×7.91×9.84	35.83×8.11×11.57	39.76×8.66×12.4	46.89×10.16×14.17
		inch	30 -5/8"×7 -7/8"×9 -7/8"	30 -5/8"×7 -7/8"×9 -7/8"	35 -7/8"×8 -1/8"×11 -5/8"	39 -3/4"×8 -5/8"×12 -3/8"	46 -7/8"×10 -1/8"×14 -1/8"
	Outdoor	mm	787×290×498	787×290×498	810×305×549	863×349×602	978×421×803
		inch	30.98×11.42×19.61	30.98×11.42×19.61	31.89×12.01×21.61	33.98×13.74×23.7	38.5×16.57×31.61
		inch	31"×11 -3/8"×19 -5/8"	31"×11 -3/8"×19 -5/8"	31 -7/8"×12"×21 -5/8"	34"×13 -3/4"×23 -3/4"	38 -1/2"×16 -5/8"×31 -5/8"
Net weight	Indoor	kg	7.5	7.5	9.5	12	17.5
		lbs	16.53	16.53	20.94	26.46	38.58
	Outdoor	kg	25	25	27	32	51.5
		lbs	55.12	55.12	59.52	70.55	113.54
Indoor Packing dimensions (W x D x H)		mm	840×260×315	840×260×315	979×277×372	1096×297×390	1260×328×430
		inch	33.07×10.24×12.4	33.07×10.24×12.4	38.54×10.91×14.65	43.15×11.69×15.35	49.61×12.91×16.93
		inch	33 -1/8"×10 -1/4"×12 -3/8"	33 -1/8"×10 -1/4"×12 -3/8"	38 -1/2"×10 -7/8"×14 -5/8"	43 -1/8"×11 -3/4"×15 -3/8"	49 -5/8"×12 -7/8"×16 -7/8"
Outdoor Packing dimensions (W x D x H) (with pipe)		mm	838×338×540	838×338×540	852×358×600	900×405×645	1022×480×835
		inch	32.99×13.31×21.26	32.99×13.31×21.26	33.54×14.09×23.62	35.43×15.94×25.39	40.24×18.9×32.87
		inch	33"×13 -1/4"×21 -1/4"	33"×13 -1/4"×21 -1/4"	33 -1/2"×14 -1/8"×23 -5/8"	35 -3/8"×16"×25 -3/8"	40 -1/4"×18 -7/8"×32 -7/8"
Gross weight (with 5m pipe)	Indoor	kg	9.5	9.5	12.5	15	21
	Outdoor	kg	28	28	31.5	37	55.5
		lbs	61.73	61.73	69.44	81.57	122.4
Loading Capacity (IN+OUT)	40'HC (with pipe)		288	288	230	180	110
Loading Capacity (INOOR)	40'HC/ 40'GP/ 20'GP		930/800/380	930/800/380	645/570/265	480/417/198	366/304/143
Loading Capacity (OUT)	40'HC/ 40'GP/ 20'GP(with pipe)		360/358/167	360/358/167	348/258/120	274/207/100	143/96/44
Factory Precharge Line		(m/ft)	7.5 / 25	7.5 / 25	7.5 / 25	7.5 / 25	7.5 / 25

Maximum Line Length		(m/ft)	15 / 49	15 / 49	15 / 49	20 / 65	30 / 98
Maximum Height Difference Between Indoor and Outdoor		(m/ft)	Oct-33	Oct-33	Oct-33	15 / 49	20 / 65
Additional refrigerant charge		(g/m, oz/ft)	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
Ambinet temperature	Indoor(cooling/heating)	°C	>=17/<=30	>=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	12~50/-15~30
Ambinet temperature	Indoor(cooling/heating)	F	>=62/<=86	>=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	53.6~122/5~86
Stacking layers	Indoor	pieces	7	7	6	6	6
	Outdoor	pieces	6	6	5	4	2