

Model Number Guide

4	SHP	18	LT	1	24	P	-	1	A
4 - R410a	Split Heat Pump		18 - 18 SEER Nominal <small>Highest achievable in product family offering</small>		Louvered Two Stage		Series		Minor Revision Code
								Major Revision Code	Voltage P - 208-230v/60hz/1Ph
								Nominal Capacity 24 - 24,000 Btuh	

Physical and Electrical

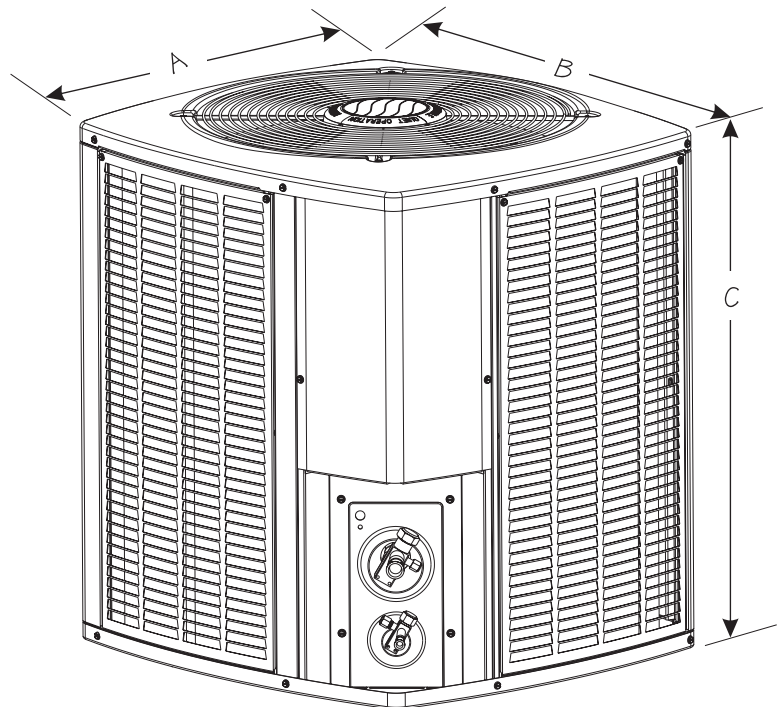
Model	Voltage/Hz/ Phase	Voltage Range	Min. Circuit Amp.	Max. Over current Device (amps)	Compressor		Fan Motor			Refrigerant Line Connections		Refrig. Charge (oz.)	Weight (lbs.)
					Rated Load (amps)	Locked Rotor (amps)	Rated Load (amps)	Rated HP	Nom. RPM	Liquid O.D. (in.)	Vapor O.D. (in.)		
4SHP18LT124P-1	230-60/1	216-253	15.6	25	10.2	52	.7	1/3	825	3/8	7/8	300	341
4SHP18LT136P-1	230-60/1	216-253	23.7	40	16.6	82	.6	1/3	825	3/8	7/8	283	338
4SHP18LT148P-1	230-60/1	216-253	29.3	50	21.1	96	.8	1/3	825	3/8	7/8	262	338
4SHP18LT160P-1	230-60/1	216-253	34.4	60	25.6	118	.8	1/3	825	3/8	7/8	274	361

Sound Ratings

Model No.	Sound Rating dBA
4SHP18LT124P-1	72
4SHP18LT136P-1	75
4SHP18LT148P-1	75
4SHP18LT160P-1	75

Dimensions (in.)

Model No.	A	B	C
4SHP18LT124P-1	37.66	35.66	44
4SHP18LT136P-1	37.66	35.66	44
4SHP18LT148P-1	37.66	35.66	44
4SHP18LT160P-1	37.66	35.66	44



Performance

Outdoor Model	Indoor Model	Cooling				Heating				CFM		Required Indoor TXV Kit ²	
						47°		17°		Stage 1	Stage 2		
		Btuh	SEER ¹	EER	S/T	HSPF	Btuh	COP	Btuh				COP
4SHP18LT124	G2D95C****V16C/E(U,C,M,H)1P49C	26,000	17.00	13.00	.77	9.00	24,000	4.00	13,000	2.60	680	900	H4TXV01
	EFV16CC/E(U,C,M,H)1P49C	26,000	17.00	13.00	.77	9.00	24,000	4.00	13,000	2.60	680	900	H4TXV01
4SHP18LT136	G2D95C****V16C/E(U,C,M,H)1P62C	36,000	17.00	12.50	.75	9.20	35,000	3.50	22,000	2.70	900	1200	H4TXV01
	G2D80C****V16C/E(U,C,M,H)1P62C	36,000	17.00	12.50	.75	9.20	35,000	3.50	22,000	2.70	900	1200	H4TXV01
	EFV16C/E(C,M,H)1P62C	36,000	17.00	12.50	.75	9.20	35,000	3.50	22,000	2.70	900	1200	H4TXV01
	BCS2M48V00NA1P	36,000	17.00	12.50	.75	9.20	35,000	3.50	22,000	2.70	900	1200	H4TXV01
4SHP18LT148	G2D95C****V20D/E(U,C,H)1P62D	47,000	16.50	12.00	.74	9.00	45,000	3.30	28,500	2.50	1200	1600	H4TXV03
	G2D80C****V20D/E(U,C,H)1P62D	47,000	16.50	12.00	.74	9.00	45,000	3.30	28,500	2.50	1200	1600	H4TXV03
	EFV20DC/EC1P62D	47,000	16.50	12.00	.74	9.00	45,000	3.30	28,500	2.50	1200	1600	H4TXV03
	BCS2M48V00NA1P	47,000	16.50	12.00	.74	9.00	44,000	3.30	28,600	2.50	1200	1600	H4TXV03
4SHP18LT160	G2D95****V20D/E(U,C,H)1P62D	56,000	15.00	11.50	.75	8.10	56,000	3.10	36,000	2.35	1350	1800	H4TXV03
	G2D80****V20D/E(U,C,H)1P62D	56,000	15.00	11.50	.75	8.10	56,000	3.10	36,000	2.35	1350	1800	H4TXV03
	EFV20DC/EC1P62D	56,000	15.00	11.50	.75	8.10	56,000	3.10	36,000	2.35	1350	1800	H4TXV03
	BCS2M60V00NA1P	56,000	15.00	11.50	.75	8.10	55,000	3.10	36,000	2.36	1350	1800	H4TXV01

¹Certified in accordance with Unitary Air Conditioner Certification Program, which is based on ARI Standard 210/240.

²Required to achieve ARI rating.

Cooling Performance Extended Ratings

Model	Indoor Model	Indoor Temp DB/ WB °F	Outdoor Temp - DB°F														
			65			82			95			105			115		
			Btuh	S/T	kW	Btuh	S/T	kW	Btuh	S/T	kW	Btuh	S/T	kW	Btuh	S/T	kW
4SHP18LT124	G2D95C****V16C/E(U,C,M,H)1P49C EFV16CC/E(U,C,M,H)1P49C	85/72	32,900	.68	1.34	30,200	.70	1.64	28,100	.72	1.87	26,500	.73	2.04	24,900	.74	2.22
		80/67	30,200	.76	1.31	27,700	.77	1.61	25,800	.78	1.84	24,300	.79	2.02	22,900	.80	2.19
		75/63	28,500	.79	1.29	25,900	.79	1.59	23,900	.79	1.82	22,400	.79	2.00	20,800	.79	2.17
4SHP18LT136	G2D95C****V116C/E(U,C,H)1P62C G2D80C****V20C/E(U,C,H)1P62C EFV16CC/E(U,C,H)1P62C	85/72	46,500	.65	2.10	43,200	.67	2.54	40,700	.69	2.88	38,800	.70	3.14	36,900	.72	3.41
		80/67	42,800	.73	2.06	39,700	.74	2.50	37,400	.75	2.84	35,600	.76	3.10	33,800	.77	3.36
		75/63	40,400	.76	2.03	37,100	.76	2.47	34,600	.76	2.81	32,700	.76	3.07	30,800	.76	3.33
4SHP18LT148	G2D95C****V20D/E(U,C,H)1P62D G2D80C****V20D/E(U,C,H)1P62D EFV20DC/E(U,C,H)1P62D	85/72	61,400	.64	3.01	55,900	.67	3.55	51,700	.70	3.96	48,500	.72	4.27	45,200	.74	4.59
		80/67	56,400	.71	2.95	51,300	.74	3.49	47,500	.76	3.90	44,500	.78	4.22	41,500	.79	4.53
		75/63	53,400	.75	2.91	47,900	.76	3.45	44,000	.77	3.86	41,000	.78	4.17	38,000	.79	4.49
4SHP18 LT160	G2D95C****V20D/E(U,C,H)1P62D G2D80C****V20D/E(U,C,H)1P62D EFV20DC/E(U,C,H)1P62D	85/72	72,600	.62	3.85	66,600	.64	4.60	62,000	.66	5.17	58,500	.67	5.60	54,900	.69	6.04
		80/67	66,800	.70	3.77	61,200	.71	4.52	56,900	.72	5.00	53,700	.73	5.53	50,400	.74	5.97
		75/63	62,900	.73	3.72	57,100	.73	4.47	52,700	.73	5.03	49,300	.73	5.47	45,900	.73	5.91

Heating Performance Extended Ratings

Model	Indoor Model	Outdoor Temp - DB/WB °F														
		0/0			17/15			35/33			47/43			62/56		
		Btuh	S/T	kW	Btuh	S/T	kW	Btuh	S/T	kW	Btuh	S/T	kW	Btuh	S/T	kW
4SHP18LT124	E(U,C,M,H)1P49C	7,800	1.84	1.40	14,000	2.71	1.51	20,400	3.63	1.63	24,700	4.24	1.71	30,100	5.01	1.81
4SHP18LT136	E(U,C,H)1P62C	14,500	2.26	2.17	22,300	2.72	2.39	30,500	3.21	2.62	36,000	3.53	2.77	42,800	3.94	2.96
4SHP18LT148	E(U,C,H)1P62D	20,000	2.11	3.00	29,400	2.59	3.34	39,500	3.09	3.70	46,200	3.43	3.94	54,500	3.85	4.24
4SHP18 LT160	E(U,C,H)1P62D	24,900	1.95	4.06	36,700	2.35	4.59	49,100	2.77	5.15	57,500	3.05	5.53	67,900	3.40	6.00

Accessories

Kit Number	Description	Used with
45F08	Compressor Low Ambient Cut-Off	All 4SHP18LT's
93G35	Freezestat (3/8" & 5/8")	All 4SHP18 LT's
10J42	Hard Start Kit	4SHP18LT 24-36
81J69	Hard Start Kit	4SHP18LT 48-60
54M89	Low Ambient Kit	All 4SHP18LT's
ASTAT503	Outdoor Thermostat	All 4SHP18LT's
ADFSTAT504	Discharge Tempering Thermostat	All 4SHP18LT's
1.851363	TXV kit H4TXV01	4SHP18LT24-36
1.851365	TXV kit H4TXV03	4SHP18LT48-60



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