

COMPRESSOR

- High-efficiency 2-stage Copeland UltraTech™ scroll compressor
- R410a refrigerant
- Grommet-mounted compressor for quiet operation
- Internally protected against high temperature motor overload conditions
- Heavy-duty compressor sound blanket for quiet operation

CABINET

- Full metal louvered panels remove with just two screws per panel for easy coil cleaning and service
- Controls located in corner post for easy installation and service
- Rounded corners for safety and attractive, clean appearance
- Baked polyester paint finish over galvanized steel for maximum durability
- PVC coated wire fan discharge grille
- External gauge ports for easy service

COILS

- Enhanced aluminum fins and copper tubing for higher efficiency and capacity
- Raised coil prevents debris from collecting in bottom of coil and causing loss of airflow

DESIGN

- Designed for ambients up to 125°F

COMPONENTS

- Bi-flow filter drier factory installed for system protection
- Service valves positioned for quick installation and easy service
- Variable speed condenser fan motor with swept-wing fan blade
- High and low pressure switches factory installed
- Comfort Alert 2™ diagnostics; displaying up to nine fault codes is factory installed
- Trade available components
- Factory-installed crank case heater
- QuietShift™ technology during defrost cycle, to control sound



Proper sizing and installation of equipment is critical to achieve optimal performance. Split-system air conditioners and heat pumps must be matched with appropriate coil components to meet ENERGY STAR® criteria. Ask your contractor for details or visit www.energystar.gov.

10-year limited parts
warranty available

Model Number Guide

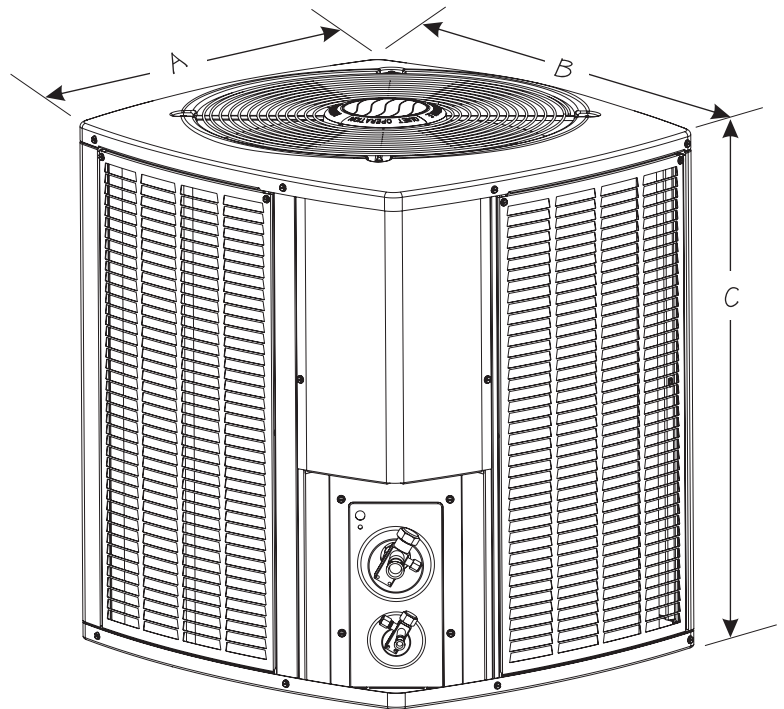
4	SHP	18	LT	1	24	P	-	1	A
4 - R410a	Split Heat Pump		Highest achievable in product family offering		Nominal Capacity 24 - 24,000 Btuh		Voltage P - 208-230v/60hz/1Ph		Minor Revision Code
18 - 18 SEER Nominal	Louvered Two Stage		Series		Major Revision Code				

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	197-253	15.6	25	10.2	52	.7	1/3	825	3/8	7/8	300	341
4SHP18LT136P-1	230-60/1	197-253	23.7	40	16.6	82	.6	1/3	825	3/8	7/8	283	338
4SHP18LT148P-1	230-60/1	197-253	29.3	50	21.1	96	.8	1/3	825	3/8	7/8	262	338
4SHP18LT160P-1	230-60/1	197-253	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
						HSPF	47°		17°		Stage 1	Stage 2		
		Btuh	SEER ¹	EER	S/T		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	H4TXV03	

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
4SHP18LT160	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

*All ratings are with required indoor variable speed matches.

Extended data shown is actual for models listed and typical for all AHRI matches.

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
4SHP18LT160	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 4SHP18LT's
10J42	Hard Start Kit	4SHP18LT24-36
81J69	Hard Start Kit	4SHP18LT48-60
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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All specifications and illustrations subject to change without notice and without incurring obligations.