

PATTON PAK INVERTER

High Efficiency Outdoor Units



- Fitted with SCI BLDC inverter scroll compressors
- Dixell XC series controller
- EC fans for energy efficiency and precise condenser control
- Generously sized high ambient condensers with "Patton Coat" coil and fin protection
- Liquid injection valve fitted on all models
- Easy access liquid line drier and sight glass with moisture indicator
- Electrical box fully wired c/w all electrics, and isolator
- Attractive weather proof, powder coated housing
- Oil separator fitted and charged on all models
- Suction line accumulator and suction filter fitted on all models
- Liquid line drier & sight glass fitted on all models



TECHNICAL DATA

UNIT MODEL	COMPRESSOR			CONDENSER			Rec (Ltrs)	CONNECTIONS		DIMENSIONS (mm.)				kg
	Model	Disp (CC)	MCC (Amps)	Fans (mm.)	Amps (Total)	Air Flow (L/S)		Liquid (Inch)	Suction (Inch)	L	W	H	DWG	
PIV42E	AGK42FR1MTS	42	11.2	2 x 350	2.5	5954	10.7	1/2	7/8	1242	667	800	A	145
PIV66E	AGK66FR1MTS	66	16.1	2 x 500	5.8	15552	13.0	1/2	7/8	1422	1000	1165	B	250
PIV78E	AGK78FR1MTS	78	22.2	2 x 500	5.8	13500	13.0	5/8	1-1/8	1422	1000	1165	B	260

EC Axial Fans
350 & 500 mm. (Model dependant)

Condenser Coils
Patton Coat fin and coil protection coating

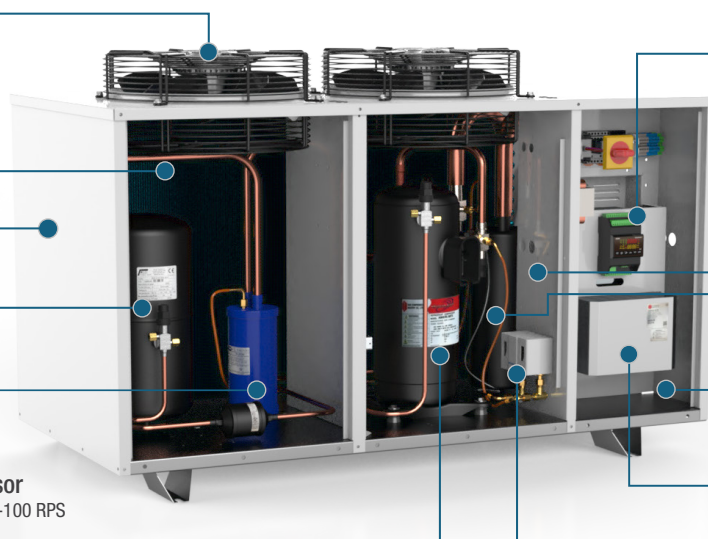
Galvanized Steel Casing
with powdercoating

Liquid Receiver
with inlet valves

Oil Separator
Additional oil pre-charge

BLDC Inverter Scroll Compressor
SCI BLDC Inverter Scroll Compressor 20-100 RPS

- Wide range capacity
- Multi-refrigerant for flexibility
- Wide operating envelope (MT & LT application)
- Oil level sight glass
- Rotolock connection



Controller
Dixell XC Series controller

- Suction and discharge pressure transducer
- Smart error pressure probe management
- Discharge gas overheat protection
- Low superheat protection
- Serial connection to monitoring systems

Suction Filter
(Fitted to all models)

Suction Accumulator
(Fitted to all models)

Sight Glass
Easy access liquid sight glass with moisture indicator

Inverter Driver & Noise Filter
SCI Inverter Driver

- Perfectly matching with SCI compressors
- High efficiency > 95%
- Worldwide safety standard
- EMI filter corresponding to EMC requirement

Dual Pressure Switch
- Hi/Low pressure protection

R448A(Dew Point) MED / LOW TEMP

Model	Ambient °C	SPEED	Evaporating Temp (°C)								
			-35	-30	-25	-20	-15	-10	-5	0	5
PIV42E	32	MIN	0.58	0.73	0.93	1.19	1.50	1.88	2.32	2.84	3.44
		MAX	2.73	3.59	4.63	5.85	7.26	8.87	10.67	12.67	14.85
	38	MIN	0.53	0.67	0.86	1.09	1.38	1.73	2.14	2.63	3.18
		MAX	2.52	3.31	4.27	5.40	6.71	8.21	9.88	11.75	13.79
	43	MIN	0.48	0.62	0.79	1.01	1.28	1.61	1.99	2.45	2.98
		MAX	2.35	3.08	3.96	5.01	6.23	7.62	9.19	10.93	12.87
PIV66E	32	MIN	0.86	1.13	1.46	1.88	2.38	2.97	3.66	4.46	5.37
		MAX	4.39	5.71	7.28	9.10	11.20	13.56	16.21	19.10	22.29
	38	MIN	0.82	1.07	1.38	1.76	2.23	2.79	3.44	4.20	5.08
		MAX	4.08	5.31	6.77	8.47	10.41	12.62	15.09	17.80	20.79
	43	MIN	0.79	1.01	1.30	1.66	2.10	2.64	3.26	3.99	4.83
		MAX	3.82	4.97	6.33	7.92	9.75	11.81	14.12	16.69	19.49
PIV78E	32	MIN	0.96	1.35	1.82	2.41	3.09	3.89	4.81	5.85	7.01
		MAX	5.61	7.38	9.47	11.91	14.71	17.86	21.39	25.27	29.49
	38	MIN	0.85	1.20	1.64	2.18	2.81	3.55	4.40	5.37	6.45
		MAX	5.14	6.76	8.70	10.94	13.53	16.45	19.73	23.34	27.31
	43	MIN	0.75	1.07	1.48	1.97	2.56	3.24	4.04	4.94	5.95
		MAX	4.72	6.24	8.04	10.14	12.54	15.27	18.34	21.73	25.47

- Ratings based on 10K suction superheat, 8k subcooling / 20rps MIN / 100rps MAX
- Please contact Beijer Ref for ratings at other frequency's or with other refrigerants

DIMENSIONS

