



BENEFITS

- High efficiency BLDC scroll compressor
- Excellent performance at part loads with BLDC technology and the Power+inverter
- Twin fan models include fan cycling pressure control
- User friendly digital controller with LED display
- Supplied c/w : HP/LP, Oil Separator, Liquid Receiver, Liquid Line Drier & Sightglass, Fully wired c/w main isolator in ColourBond housing.
- Applied "Blue Coil Coat" Corrosion Protection

R404A Medium Temp

Model	Ambient (°C)	Capacity (kW) @ 20 RPS						Power Input (kW) @ 20 RPS					
		Evaporating Temp (°C)						Evaporating Temp (°C)					
		-20	-15	-10	-5	0	5	-20	-15	-10	-5	0	5
PIV33	32	1.09	1.32	1.60	1.92	2.29	2.71	0.81	0.82	0.82	0.83	0.83	0.84
	38	0.95	1.17	1.44	1.75	2.11	2.52	0.90	0.90	0.90	0.90	0.90	0.90
	43	0.86	1.07	1.32	1.62	1.96	2.35	0.98	0.97	0.97	0.97	0.97	0.97
PIV42	32	1.25	1.58	1.95	2.35	2.82	3.34	0.93	0.94	0.96	0.97	0.97	0.97
	38	1.12	1.43	1.78	2.17	2.61	3.10	1.01	1.03	1.04	1.05	1.06	1.07
	43	1.01	1.32	1.64	2.01	2.42	2.90	1.09	1.10	1.12	1.14	1.15	1.16
PIV66	32	2.12	2.68	3.34	4.12	5.00	5.99	2.23	2.21	2.19	2.18	2.17	2.15
	38	1.95	2.46	3.08	3.81	4.64	5.57	2.37	2.35	2.33	2.32	2.30	2.29
	43	1.78	2.26	2.84	3.52	4.31	5.20	2.49	2.47	2.45	2.44	2.43	2.42
PIV78	32	2.59	3.28	4.10	5.04	6.11	7.31	2.32	2.30	2.29	2.28	2.27	2.26
	38	2.37	3.00	3.77	4.65	5.66	6.78	2.51	2.50	2.49	2.49	2.49	2.49
	43	2.16	2.76	3.48	4.31	5.26	6.31	2.73	2.72	2.71	2.71	2.71	2.71

Model	Ambient (°C)	Capacity (kW) @ 60 RPS						Power Input (kW) @ 60 RPS					
		Evaporating Temp (°C)						Evaporating Temp (°C)					
		-20	-15	-10	-5	0	5	-20	-15	-10	-5	0	5
PIV33	32	3.15	3.80	4.60	5.56	6.67	7.93	1.92	1.98	2.03	2.07	2.10	2.12
	38	3.08	3.69	4.44	5.34	6.38	7.55	2.21	2.25	2.29	2.31	2.34	2.36
	43	2.95	3.51	4.20	5.04	6.02	7.12	2.47	2.50	2.52	2.54	2.56	2.58
PIV42	32	3.91	4.96	6.09	7.35	8.73	10.29	2.35	2.43	2.50	2.57	2.63	2.69
	38	3.53	4.52	5.58	6.74	8.04	9.50	2.61	2.69	2.77	2.85	2.93	3.00
	43	3.19	4.12	5.11	6.20	7.41	8.79	2.87	2.95	3.04	3.12	3.21	3.30
PIV66	32	6.87	8.42	10.29	12.42	14.83	17.50	4.63	4.62	4.62	4.63	4.65	4.68
	38	6.32	7.74	9.46	11.46	13.74	16.24	5.08	5.07	5.07	5.09	5.12	5.17
	43	5.82	7.14	8.74	10.63	12.77	15.16	5.49	5.48	5.50	5.52	5.56	5.62
PIV78	32	7.95	9.71	11.86	14.36	17.20	20.33	5.05	5.05	5.07	5.10	5.14	5.21
	38	7.28	8.91	10.90	13.24	15.88	18.83	5.60	5.61	5.63	5.67	5.73	5.80
	43	6.65	8.18	10.06	12.26	14.77	17.58	6.11	6.13	6.16	6.21	6.27	6.35

Model	Ambient (°C)	Capacity (kW) @ 100 RPS						Power Input (kW) @ 100 RPS					
		Evaporating Temp (°C)						Evaporating Temp (°C)					
		-20	-15	-10	-5	0	5	-20	-15	-10	-5	0	5
PIV33	32.0	5.10	6.17	7.46	8.96	10.65	12.51	3.68	3.83	3.96	4.06	4.16	4.24
	38.0	4.62	5.61	6.80	8.20	9.76	11.48	4.26	4.37	4.48	4.57	4.66	4.75
	43.0	4.20	5.11	6.21	7.50	8.95	10.55	4.80	4.88	4.96	5.04	5.12	5.20
PIV42	32.0	6.14	7.76	9.48	11.34	13.39	15.66	4.36	4.56	4.75	4.96	5.16	5.37
	38.0	5.49	7.01	8.59	10.31	12.20	14.29	4.92	5.11	5.31	5.53	5.75	5.98
	43.0	4.93	6.34	7.81	9.40	11.14	13.08	5.43	5.62	5.83	6.06	6.31	6.57
PIV66	32.0	10.91	13.16	15.90	19.03	22.56	26.44	7.84	7.96	8.09	8.27	8.47	8.71
	38.0	9.92	11.99	14.50	17.44	20.71	24.35	8.60	8.72	8.88	9.07	9.31	9.57
	43.0	9.01	10.92	13.27	16.00	19.10	22.55	9.32	9.47	9.64	9.85	10.11	10.40
PIV78	32.0	12.78	15.38	18.55	22.21	26.32	30.88	8.79	8.95	9.13	9.35	9.62	9.92
	38.0	11.64	14.03	16.94	20.34	24.18	28.45	9.75	9.91	10.10	10.34	10.63	10.96
	43.0	10.61	12.81	15.54	18.71	22.33	26.36	10.61	10.78	10.98	11.25	11.56	11.92

Note : The rating condition is based on a suction superheat of 11K. , Subcooling with the limits of the condensing unit

R448A Medium Temp

Model	Ambient (°C)	Capacity (kW) @ 20 RPS						Power Input (kW) @ 20 RPS					
		Evaporating Temp (°C)						Evaporating Temp (°C)					
		-20	-15	-10	-5	0	5	-20	-15	-10	-5	0	5
PIV33	32	0.89	1.10	1.35	1.65	1.99	2.38	0.73	0.75	0.76	0.77	0.78	0.79
	38	0.83	1.02	1.26	1.54	1.87	2.24	0.80	0.82	0.83	0.84	0.85	0.86
	43	0.77	0.95	1.18	1.45	1.76	2.11	0.87	0.88	0.89	0.91	0.92	0.93
PIV42	32	1.05	1.36	1.69	2.08	2.52	3.05	0.88	0.90	0.92	0.93	0.94	0.95
	38	0.96	1.26	1.57	1.93	2.34	2.84	0.95	0.98	1.00	1.02	1.03	1.04
	43	0.88	1.16	1.45	1.79	2.18	2.64	1.02	1.05	1.07	1.09	1.11	1.13
PIV66	32	1.72	2.16	2.72	3.38	4.14	4.99	1.99	2.01	2.04	2.05	2.05	2.04
	38	1.60	2.01	2.54	3.17	3.89	4.70	2.11	2.14	2.16	2.18	2.18	2.18
	43	1.49	1.88	2.38	2.97	3.67	4.44	2.23	2.26	2.29	2.31	2.31	2.31
PIV78	32	2.20	2.81	3.54	4.40	5.36	6.43	2.06	2.09	2.12	2.14	2.16	2.16
	38	2.03	2.61	3.31	4.12	5.04	6.05	2.25	2.30	2.33	2.35	2.37	2.37
	43	1.88	2.43	3.10	3.87	4.74	5.71	2.45	2.49	2.53	2.55	2.57	2.57

Model	Ambient (°C)	Capacity (kW) @ 60 RPS						Power Input (kW) @ 60 RPS					
		Evaporating Temp (°C)						Evaporating Temp (°C)					
		-20	-15	-10	-5	0	5	-20	-15	-10	-5	0	5
PIV33	32	2.85	3.41	4.13	5.00	6.01	7.13	1.73	1.78	1.82	1.87	1.90	1.93
	38	2.70	3.23	3.91	4.74	5.68	6.76	1.96	2.00	2.05	2.09	2.14	2.17
	43	2.57	3.07	3.72	4.50	5.41	6.43	2.17	2.22	2.26	2.31	2.35	2.39
PIV42	32	3.38	4.35	5.39	6.55	7.88	9.42	1.99	2.07	2.15	2.22	2.30	2.37
	38	3.07	3.98	4.94	6.02	7.25	8.67	2.20	2.30	2.38	2.47	2.56	2.65
	43	2.78	3.64	4.54	5.55	6.70	8.05	2.41	2.51	2.61	2.70	2.80	2.91
PIV66	32	5.55	6.90	8.49	10.34	12.43	14.78	3.95	4.06	4.16	4.24	4.31	4.36
	38	5.19	6.45	7.96	9.70	11.70	13.93	4.34	4.47	4.57	4.67	4.74	4.81
	43	4.88	6.07	7.49	9.15	11.06	13.20	4.71	4.85	4.97	5.07	5.16	5.23
PIV78	32	6.79	8.38	10.35	12.66	15.30	18.23	4.32	4.46	4.59	4.71	4.81	4.90
	38	6.30	7.82	9.69	11.90	14.40	17.17	4.78	4.95	5.10	5.23	5.35	5.46
	43	5.88	7.34	9.13	11.23	13.62	16.26	5.21	5.39	5.57	5.72	5.86	5.99

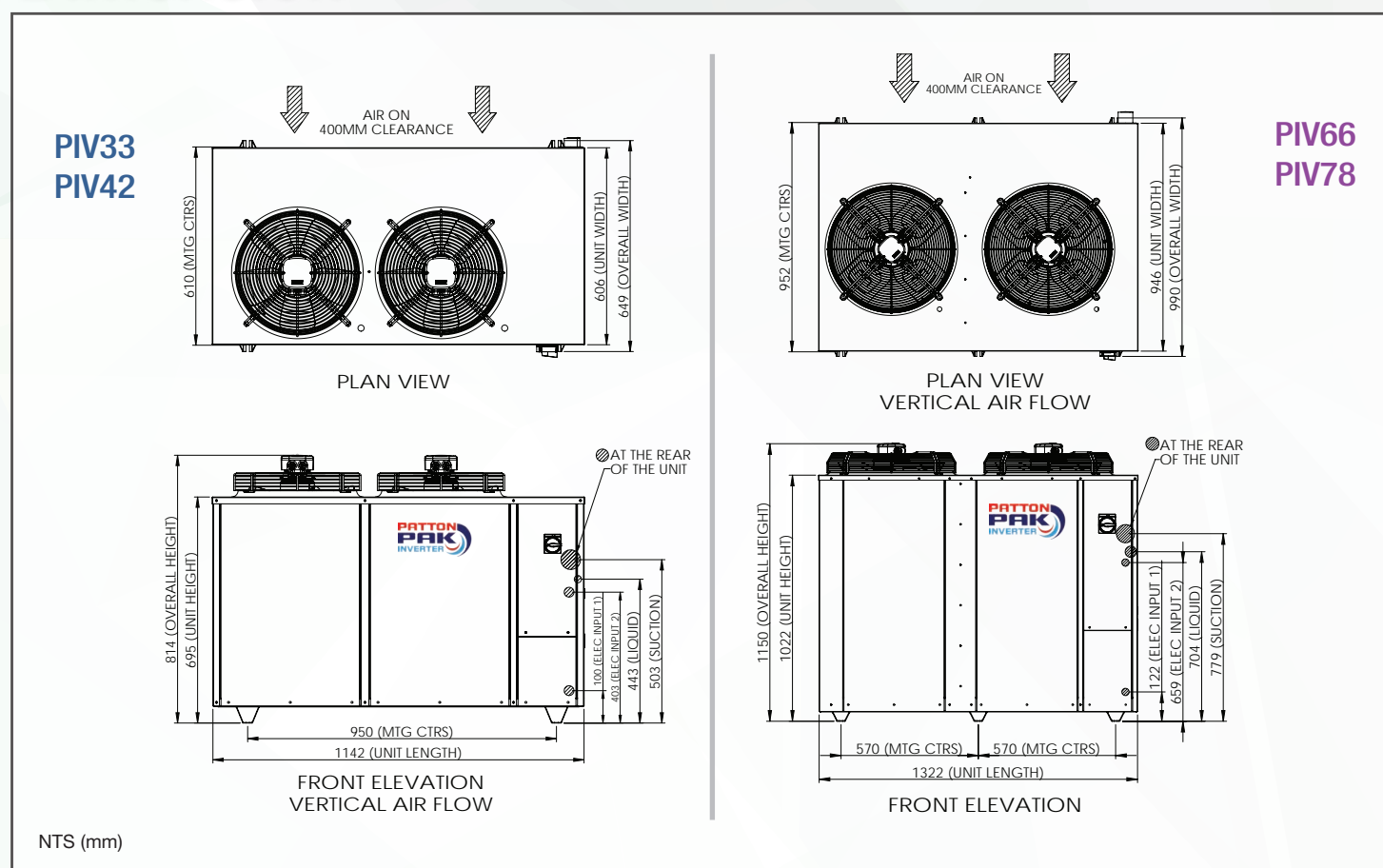
Model	Ambient (°C)	Capacity (kW) @ 100 RPS						Power Input (kW) @ 100 RPS					
		Evaporating Temp (°C)						Evaporating Temp (°C)					
		-20	-15	-10	-5	0	5	-20	-15	-10	-5	0	5
PIV33	32	4.42	5.37	6.56	7.96	9.53	11.26	3.25	3.38	3.52	3.65	3.77	3.89
	38	4.08	4.96	6.07	7.39	8.87	10.48	3.73	3.86	4.00	4.12	4.25	4.39
	43	3.77	4.60	5.65	6.89	8.30	9.83	4.19	4.32	4.44	4.58	4.71	4.85
PIV42	32	5.24	6.72	8.26	9.94	11.86	14.06	3.43	3.62	3.80	3.99	4.19	4.41
	38	4.71	6.08	7.51	9.07	10.83	12.88	3.83	4.04	4.24	4.45	4.68	4.93
	43	4.24	5.54	6.87	8.33	10.00	11.92	4.20	4.43	4.65	4.89	5.13	5.41
PIV66	32	8.88	10.89	13.26	16.02	19.17	22.68	6.61	6.90	7.20	7.48	7.75	8.03
	38	8.24	10.14	12.37	14.97	17.92	21.21	7.32	7.64	7.96	8.26	8.56	8.86
	43	7.67	9.47	11.60	14.04	16.83	19.97	8.01	8.36	8.69	9.02	9.34	9.63
PIV78	32	11.13	13.47	16.36	19.77	23.63	27.93	7.48	7.83	8.18	8.54	8.91	9.28
	38	10.27	12.49	15.21	18.43	22.08	26.10	8.28	8.66	9.06	9.46	9.87	10.31
	43	9.52	11.63	14.23	17.28	20.73	24.54	9.01	9.44	9.88	10.33	10.80	11.29

Note : 1. The rating condition is based on a suction superheat of 11 K, Subcooling with the limits of the condensing unit
 2. R448A are considered at dew point

Technical Data

Model Name	PIV33	PIV42	PIV66	PIV78
COMPRESSOR				
Model	AGB33FG1MTS	AGB42FG1MTS	AGB66FG1MTS	AGB78FG1MTS
Rated Input Voltage	3PH AC 380-460V 50/60 Hz			
RLA Amps	6.7	8.4	13.3	15.2
MCC Amps	13.1	13.1	22.2	25.6
Oil Type	PVE68			
Oil Pre-charge	0.6(Oil Seperator) / 1.9(Compressor)			
CONDENSER				
Airflow (m³/h)	6433	5954	14137	12895
No. Fan Motor	2 x 350mm	2 x 350mm	2 x 500mm	2 x 500mm
Total Watts	290	290	1090	1090
Receiver (liters)	8	8	8	8
Suction Size	7/8"	7/8"	7/8"	1-1/8"
Liquid Size	1/2"	1/2"	1/2"	5/8"
Weight (kg)	181	185	245	263
Noise Level (dBA)	63	63	65	65

Dimension



Products, specifications and technical data contained in this document are subject to change without prior notice.