

# NL-BKDX Inverter Heat Pump Series COP Performance

MODEL NL-			BKDX30	BKDX40	BKDX50	BKDX60	BKDX80	BKDX100
Ambient Temp 20°C	Outlet Water Temperature 35°C	Heating Capacity(KW)	10.76	13.78	19.91	22.70	32.64	39.65
		Input Power(KW)	2.32	2.94	4.24	4.81	6.97	8.74
		COP(W/W)	4.65	4.69	4.69	4.72	4.68	4.54
	Outlet Water Temperature 45°C	Heating Capacity(KW)	10.25	13.13	19.52	22.25	32.00	38.88
		Input Power(KW)	2.36	3.27	4.71	5.35	7.74	9.71
		COP(W/W)	4.35	4.02	4.27	4.16	4.13	4.00
	Outlet Water Temperature 55°C	Heating Capacity(KW)	9.84	12.60	18.74	21.36	30.72	37.32
		Input Power(KW)	2.83	3.92	5.65	6.42	9.29	11.65
		COP(W/W)	3.48	3.21	3.42	3.33	3.31	3.20
Ambient Temp 12°C	Outlet Water Temperature 35°C	Heating Capacity(KW)	9.90	12.68	19.44	21.49	30.91	37.55
		Input Power(KW)	2.10	2.91	4.20	4.76	6.90	8.65
		COP(W/W)	4.72	4.36	4.63	4.51	4.48	4.34
	Outlet Water Temperature 45°C	Heating Capacity(KW)	9.43	12.08	18.52	20.47	29.44	35.77
		Input Power(KW)	2.33	3.23	4.66	5.29	7.66	9.61
		COP(W/W)	4.04	3.73	3.97	3.87	3.84	3.72
	Outlet Water Temperature 55°C	Heating Capacity(KW)	9.24	11.83	18.14	20.06	28.85	35.05
		Input Power(KW)	2.80	3.88	5.60	6.35	9.20	11.54
		COP(W/W)	3.30	3.05	3.24	3.16	3.14	3.04
Ambient Temp 7°C	Outlet Water Temperature 35°C	Heating Capacity(KW)	9.43	12.08	18.52	20.47	29.44	35.77
		Input Power(KW)	2.14	2.97	4.28	4.86	7.04	8.83
		COP(W/W)	4.40	4.07	4.32	4.21	4.18	4.05
	Outlet Water Temperature 45°C	Heating Capacity(KW)	8.20	10.50	16.10	17.80	25.60	31.10
		Input Power(KW)	2.38	3.30	4.76	5.40	7.82	9.81
		COP(W/W)	3.45	3.18	3.38	3.30	3.27	3.17
	Outlet Water Temperature 55°C	Heating Capacity(KW)	7.54	9.66	14.81	16.50	23.73	28.83
		Input Power(KW)	2.58	3.47	5.00	5.67	8.21	10.30
		COP(W/W)	2.92	2.79	2.96	2.91	2.89	2.80
Ambient Temp 2°C	Outlet Water Temperature 35°C	Heating Capacity(KW)	7.75	9.92	14.76	16.82	24.19	29.39
		Input Power(KW)	2.06	2.85	4.11	4.67	6.76	8.48
		COP(W/W)	3.77	3.48	3.59	3.61	3.58	3.47
	Outlet Water Temperature 45°C	Heating Capacity(KW)	7.38	9.45	14.05	16.02	23.04	27.99
		Input Power(KW)	2.28	3.17	4.57	5.18	7.51	9.42
		COP(W/W)	3.23	2.98	3.08	3.09	3.07	2.97
	Outlet Water Temperature 55°C	Heating Capacity(KW)	7.23	9.26	13.77	15.70	22.58	27.43
		Input Power(KW)	2.63	3.64	5.26	5.96	8.63	10.83
		COP(W/W)	2.75	2.54	2.62	2.63	2.62	2.53
Ambient Temp -7°C	Outlet Water Temperature 35°C	Heating Capacity(KW)	7.06	9.04	13.44	15.33	22.04	26.78
		Input Power(KW)	2.03	2.82	4.07	4.62	6.69	8.39
		COP(W/W)	3.47	3.20	3.30	3.32	3.30	3.19
	Outlet Water Temperature 45°C	Heating Capacity(KW)	6.72	8.61	12.80	14.60	20.99	25.50
		Input Power(KW)	2.26	3.14	4.52	5.13	7.43	9.32
		COP(W/W)	2.97	2.75	2.83	2.85	2.83	2.74
	Outlet Water Temperature 55°C	Heating Capacity(KW)	6.46	8.27	12.29	14.01	20.15	24.48
		Input Power(KW)	2.83	3.92	5.65	6.41	9.29	11.65
		COP(W/W)	2.28	2.11	2.17	2.19	2.17	2.10
Ambient Temp -12°C	Outlet Water Temperature 35°C	Heating Capacity(KW)	6.23	7.98	11.87	13.53	19.46	23.64
		Input Power(KW)	2.14	2.97	4.28	4.86	7.04	8.83
		COP(W/W)	2.91	2.69	2.77	2.78	2.76	2.68
	Outlet Water Temperature 41°C	Heating Capacity(KW)	5.99	7.67	11.40	12.99	18.69	22.70
		Input Power(KW)	2.36	3.27	4.71	5.35	7.74	9.71
		COP(W/W)	2.54	2.35	2.42	2.43	2.41	2.34
	Outlet Water Temperature 45°C	Heating Capacity(KW)	5.90	7.56	11.24	12.82	18.43	22.39
		Input Power(KW)	2.40	3.33	4.81	5.45	7.90	9.91
		COP(W/W)	2.46	2.27	2.34	2.35	2.33	2.26
	Outlet Water Temperature 50°C	Heating Capacity(KW)	5.17	6.62	9.84	11.21	16.13	19.59
		Input Power(KW)	2.28	3.17	4.57	5.18	7.51	9.42
		COP(W/W)	2.26	2.09	2.15	2.16	2.15	2.08
	Outlet Water Temperature 55°C	Heating Capacity(KW)	5.31	6.80	10.12	11.53	16.59	20.15
		Input Power(KW)	2.76	3.83	5.53	6.27	9.08	11.39
		COP(W/W)	1.92	1.78	1.83	1.84	1.83	1.77
Ambient Temp -20°C	Outlet Water Temperature 35°C	Heating Capacity(KW)	5.17	6.62	9.84	11.21	16.13	19.59
		Input Power(KW)	2.14	2.97	4.28	4.86	7.04	8.83
		COP(W/W)	2.41	2.23	2.30	2.31	2.29	2.22
	Outlet Water Temperature 41°C	Heating Capacity(KW)	4.84	6.20	9.21	10.50	15.10	18.35
		Input Power(KW)	2.26	3.14	4.52	5.13	7.43	9.32
		COP(W/W)	2.14	1.98	2.04	2.05	2.03	1.97
	Outlet Water Temperature 45°C	Heating Capacity(KW)	4.43	5.67	8.43	9.61	13.82	16.79
		Input Power(KW)	2.50	3.47	5.00	5.67	8.21	10.30
		COP(W/W)	1.77	1.64	1.69	1.70	1.68	1.63
	Outlet Water Temperature 50°C	Heating Capacity(KW)	3.94	5.04	7.49	8.54	12.29	14.93
		Input Power(KW)	2.12	2.94	4.24	4.81	6.96	8.73
		COP(W/W)	1.86	1.72	1.77	1.78	1.77	1.71
	Outlet Water Temperature 55°C	Heating Capacity(KW)	4.34	5.56	8.26	9.42	13.55	16.46
		Input Power(KW)	2.87	3.98	5.75	6.52	9.44	11.85
		COP(W/W)	1.51	1.39	1.44	1.44	1.43	1.39