

Capacity Data

Ambient Temperature: 32°C																		
R454A	Cooling Capacity (kW)							R454A	Power Input (kW)									
	Evaporating Temperature (°C)								Evaporating Temperature (°C)									
	-45	-35	-30	-20	-10	-5			+5	-45	-35	-30	-20	-10	-5	+5		
Digital Medium Temperature Models																		
ZXDY-030E					3.71	5.35	6.31	8.54		ZXDY-030E					2.19	2.44	2.60	2.98
ZXDY-040E					4.93	7.21	8.58	11.86		ZXDY-040E					2.82	3.10	3.25	3.58
ZXDY-050E					6.15	8.69	10.62	14.46		ZXDY-050E					3.41	3.85	4.09	4.65
ZXDY-060E					7.31	10.61	12.52	16.86		ZXDY-060E					4.07	4.65	4.96	5.71
ZXDY-075E					9.04	13.06	15.39	20.64		ZXDY-075E					5.06	5.79	6.20	7.17

Suction Gas Return 20°C / Subcooling OK

For detailed capacity data please refer to Emerson's Select software

Preliminary data

Ambient Temperature: 32°C																
R454C	Cooling Capacity (kW)							R454C	Power Input (kW)							
	Evaporating Temperature (°C)								Evaporating Temperature (°C)							
	-45	-35	-30	-20	-10	-5	+5		-45	-35	-30	-20	-10	-5	+5	
Digital Medium Temperature Models																
ZXDY-030E				3.15	4.7	5.42	7.39		ZXDY-030E				1.88	2.06	2.17	2.49
ZXDY-040E				4.16	6.12	7.32	10.18		ZXDY-040E				2.54	2.65	2.76	3.00
ZXDY-050E				5.20	7.59	9.03	12.40		ZXDY-050E				2.94	3.26	3.45	3.86
ZXDY-060E				6.00	8.97	10.64	14.84		ZXDY-060E				3.48	3.91	4.15	4.70
ZXDY-075E				7.66	11.11	13.14	17.79		ZXDY-075E				4.32	4.86	5.16	5.89

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Preliminary data

Ambient Temperature: 32°C																
R455A	Cooling Capacity (kW)							R455A	Power Input (kW)							
	Evaporating Temperature (°C)								Evaporating Temperature (°C)							
	-45	-35	-30	-20	-10	-5	+5		-45	-35	-30	-20	-10	-5	+5	
Digital Medium Temperature Models																
ZXDY-030E				3.24	4.70	5.58	7.63		ZXDY-030E				2.07	2.28	2.41	2.74
ZXDY-040E				4.27	6.24	7.45	10.43		ZXDY-040E				2.70	2.94	3.17	3.53
ZXDY-050E				5.34	7.79	9.27	12.81		ZXDY-050E				3.23	3.62	3.83	4.29
ZXDY-060E				6.34	9.23	10.96	14.99		ZXDY-060E				3.81	4.33	4.61	5.23
ZXDY-075E				7.88	11.42	13.53	18.41		ZXDY-075E				4.76	5.39	5.75	6.55

Suction Gas Return 20°C / Subcooling OK

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Preliminary data

Ambient Temperature: 32°C																
R1234yf	Cooling Capacity (kW)							R1234yf	Power Input (kW)							
	Evaporating Temperature (°C)								Evaporating Temperature (°C)							
	-45	-35	-30	-20	-10	-5	+5		-45	-35	-30	-20	-10	-5	+5	
Digital Medium Temperature Models																
ZXDY-030E				2.22	3.31	3.97	5.56		ZXDY-030E				1.25	1.39	1.47	1.66
ZXDY-040E				2.94	4.41	5.32	7.55		ZXDY-040E				1.68	1.83	1.91	2.09
ZXDY-050E				3.70	5.51	6.61	9.26		ZXDY-050E				1.99	2.21	2.33	2.62
ZXDY-060E				4.34	6.48	7.77	10.80		ZXDY-060E				2.37	2.62	2.77	3.13
ZXDY-075E				5.45	8.06	9.64	13.32		ZXDY-075E				2.90	3.24	3.44	3.93

Suction Superheat 10K

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Preliminary data