

Optyma™ Plus INVERTER, R407F

Model number	Code number	Compressor	Compressor speed, rps	T _{amb} [°C]	Cooling capacity Q [kW]					P [kW]	COP (1)	EcoDesign (2)				Sound power level dB(A)	Sound pressure level 10 m dB(A)
					T _e [°C]							Q [kW]	P [kW]	COP _A	SEPR		
					-15 °C	-10 °C	-5 °C	0 °C	5 °C								
OP-MPPM028VVL01E	114X4302	VLZ028TGA	30	27	1534	1915	2363	2888	3496	945	1.91					71.7	40.7
				32	1447	1808	2234	2733	3313								
				38	-	1679	2078	2547	3092								
				43	-	-	-	-	-								
			50	27	2598	3258	4022	4900	5902	1410	2.19					72.3	41.3
				32	2450	3083	3815	4655	5613								
				38	-	2862	3555	4349	5254								
				43	-	2669	3328	4083	4943								
			75	27	3826	4792	5901	7163	8590	2121	2.14					72.9	41.9
				32	3612	4539	5600	6806	8169								
				38	-	4220	5223	6362	7647								
				43	-	3942	4895	5977	7197								
			100	27	4950	6174	7573	9158	10939	2977	1.97	5905	2979	1.98	3.58	74.2	43.2
				32	4689	5857	7191	8703	10400								
				38	-	5470	6724	8145	9742								
				43	-	5141	6327	7671	9182								
OP-MPPM035VVL01E	114X4316	VLZ035TGA	30	27	1931	2408	2969	3623	4380	1115	2.04				71.2	40.2	
				32	1820	2272	2805	3428	4149								
				38	-	2110	2609	3193	3871								
				43	-	-	-	-	-								
			50	27	3258	4080	5029	6116	7351	1698	2.27				71.9	40.9	
				32	3069	3858	4766	5804	6984								
				38	-	3577	4435	5416	6529								
				43	-	3330	4147	5078	6135								
			75	27	4776	5970	7334	8878	10612	2594	2.18				72.5	41.5	
				32	4503	5648	6951	8425	10079								
				38	-	5242	6472	7860	9417								
				43	-	4888	6055	7372	8847								
			100	27	6156	7655	9358	11274	13409	3679	1.97	7326	3682	1.99	3.71	73.55	42.5
				32	5825	7254	8876	10699	12731								
				38	-	6764	8286	9996	11902								
				43	-	6347	7783	9397	11198								
OP-MPPM044VVL01E	114X4334	VLZ044TGA	30	27	2464	3068	3778	4603	5555	1353	2.14				72	41	
				32	2322	2895	3568	4354	5260								
				38	-	2686	3316	4052	4903								
				43	-	-	-	-	-								
			50	27	4135	5170	6359	7714	9244	2105	2.32				72.6	41.6	
				32	3891	4882	6019	7311	8771								
				38	-	4519	5591	6809	8184								
				43	-	4200	5218	6374	7677								
			75	27	6024	7510	9195	11089	13196	3271	2.17				73.2	42.2	
				32	5670	7092	8700	10503	12509								
				38	-	6567	8080	9774	11658								
				43	-	6107	7540	9143	10924								
			100	27	7723	9567	11641	13951	16496	4694	1.93	9164	4701	1.95	3.78	74	43
				32	7298	9052	11023	13215	15631								
				38	-	8421	10265	12315	14574								
				43	-	7884	9618	11548	13675								

[1] Nominal conditions, Evaporating temperature -10°C. Ambient air temperature +32°C. Superheat 10K.

[2] Rated conditions, Evaporating temperature -10°C. Ambient air temperature +32°C. Return Gas Temperature 20°C

SEPR, Seasonal Energy Performance Ratio
Q [W], Cooling Capacity
P [W], Power Input



For more information related to EcoDesign compliance, please refer to Coolselector® coolselector.danfoss.com or contact Danfoss



Optyma™ Plus INVERTER, R448A/R449A

Model number	Code number	Compressor	Compressor speed, rps	T _{amb} [°C]	Cooling capacity Q [kW]					P [kW]	COP (1)	EcoDesign (2)				Sound power level dB(A)	Sound pressure level 10 m dB(A)
					T _e [°C]							Q [kW]	P [kW]	COP _A	SEPR		
					-15 °C	-10 °C	-5 °C	0 °C	5 °C	-10 °C							
OP-MPPM028VVL01E	114X4302	VLZ028TGA	30	27	1465	1839	2276	2783	3365	939	1.84					71.2	40.2
				32	1375	1732	2149	2633	3190								
				38	-	-	-	-	-								
				43	-	-	-	-	-								
			50	27	2494	3107	3816	4629	5553	1415	2.07					71.9	40.9
				32	2346	2930	3605	4379	5259								
				38	-	2706	3338	4064	4891								
				43	-	2510	3106	3790	4571								
			75	27	3656	4527	5536	6695	8013	2159	1.98					72.5	41.5
				32	3443	4270	5226	6324	7573								
				38	-	3949	4842	5866	7032								
				43	-	3670	4509	5472	6569								
			100	27	4686	5774	7041	8502	10171	3054	1.78	5548	3058	1.81	3.38	73.7	42.7
				32	4421	5451	6648	8028	9605								
				38	-	5056	6170	7454	8922								
				43	-	4713	5761	6967	8346								
OP-MPPM035VVL01E	114X4316	VLZ035TGA	30	27	1836	2301	2845	3476	4201	1081	2.00					73.1	42.1
				32	1722	2166	2684	3284	3974								
				38	-	-	-	-	-								
				43	-	-	-	-	-								
			50	27	3091	3846	4713	5699	6812	1748	2.07					73.8	42.8
				32	2896	3616	4442	5381	6441								
				38	-	3327	4102	4983	5977								
				43	-	3076	3806	4637	5577								
			75	27	4505	5569	6792	8183	9752	2718	1.93					74.4	43.4
				32	4227	5238	6396	7713	9200								
				38	-	4827	5907	7136	8523								
				43	-	4472	5487	6641	7945								
			100	27	5773	7090	8615	10361	12338	3839	1.74	6814	3837	1.78	3.29	75.4	44.4
				32	5439	6683	8119	9765	11631								
				38	-	6185	7518	9045	10779								
				43	-	5757	7006	8436	10061								
OP-MPPM044VVL01E	114X4334	VLZ044TGA	30	27	2364	2954	3637	4422	5317	1316	2.11					73.1	42.1
				32	2213	2776	3429	4180	5037								
				38	-	-	-	-	-								
				43	-	-	-	-	-								
			50	27	3894	4834	5915	7145	8532	2051	2.22					73.9	42.9
				32	3650	4544	5570	6739	8058								
				38	-	4185	5144	6238	7473								
				43	-	3876	4779	5808	6973								
			75	27	5674	7003	8510	10203	12087	3243	2.03					74.5	43.5
				32	5308	6572	8003	9609	11397								
				38	-	6034	7371	8873	10544								
				43	-	5566	6825	8237	9810								
			100	27	7289	8959	10828	12899	15173	4739	1.77	8558	4753	1.8	3.73	75.5	44.5
				32	6786	8375	10149	12112	14265								
				38	-	7634	9291	11123	13130								
				43	-	6982	8539	10260	12145								

[1] Nominal conditions, Evaporating temperature -10°C. Ambient air temperature +32°C. Superheat 10K.

[2] Rated conditions, Evaporating temperature -10°C. Ambient air temperature +32°C. Return Gas Temperature 20°C

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