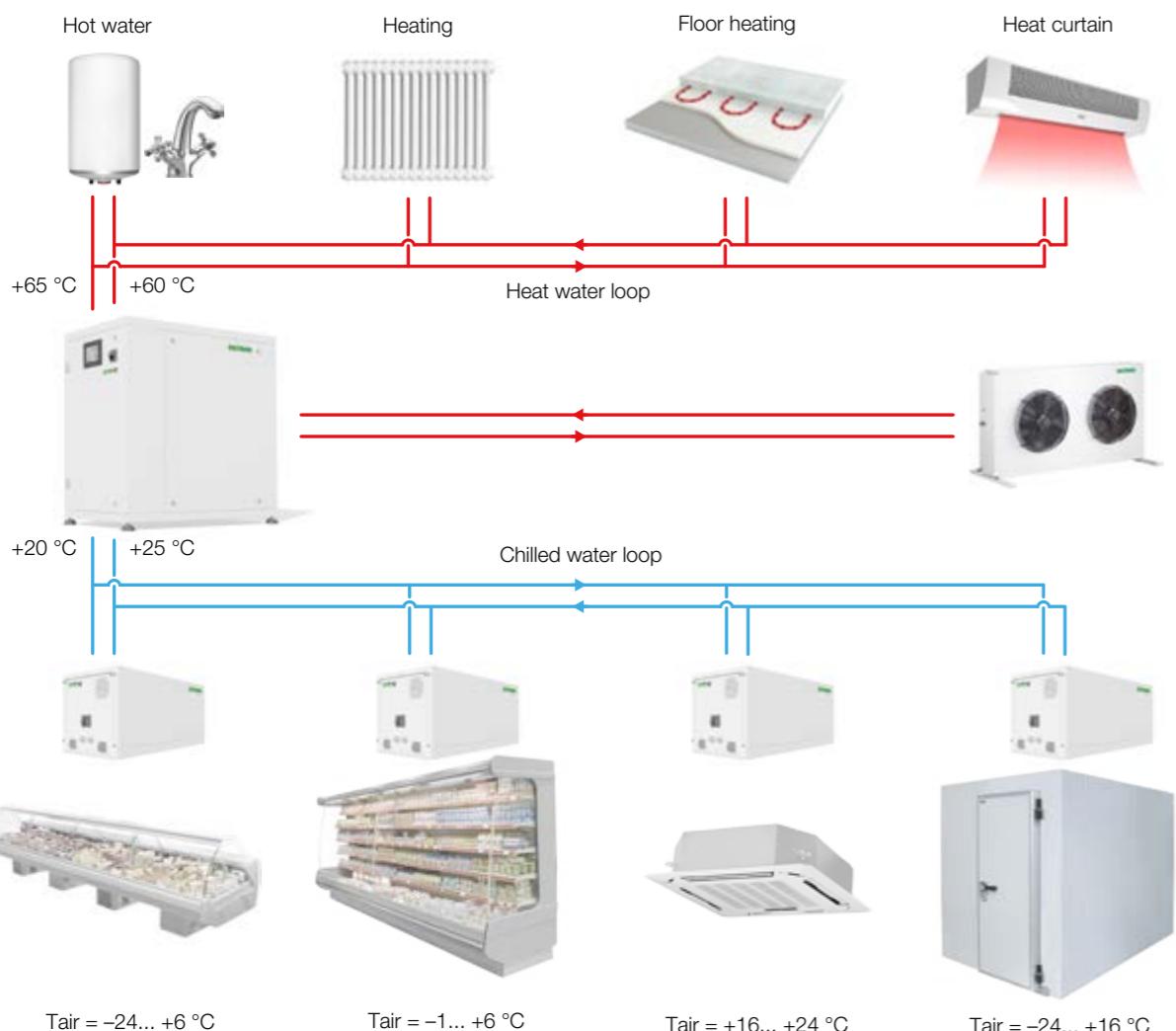




technical catalogue

Description



OGT is...

✓ High energy efficiency

✓ F-GAS regulation capability

✓ Flexible design & Easy installation

LCS
Low Charge System

WLS
Water Loop System

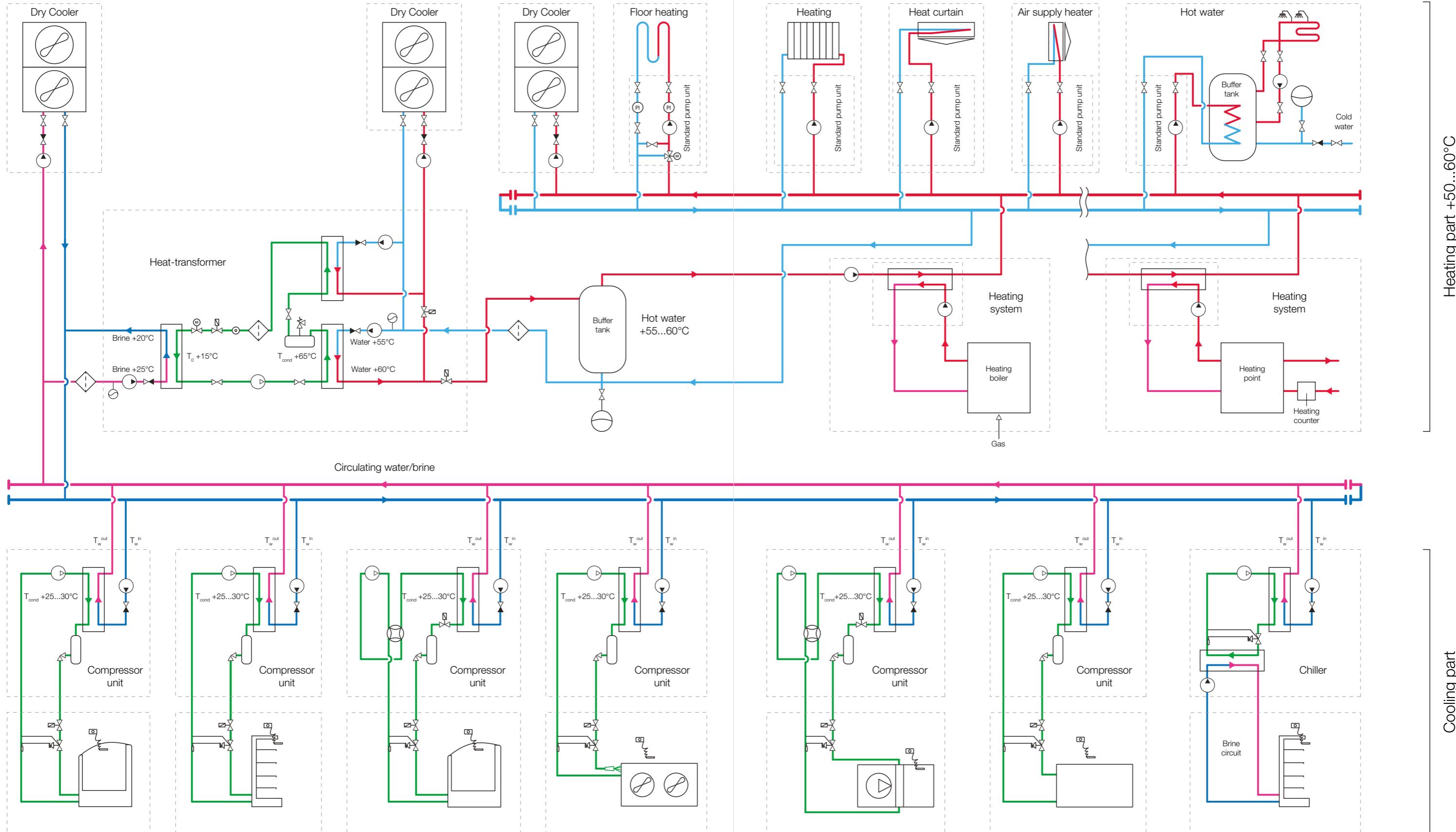
FHRS
Full Heat Recovery System

TEC ≥ 7.5
Total Efficiency Coefficient

Advantages

Comparison criteria	CO ₂	OGT
1. Ecology (refrigerant)		
Compliance with F-gas regulation	++	++
TEWI effect – Total Equivalent Warming Impact	++	++
Natural refrigerants	++	+
Refrigerant charge	-	+
2. Energy efficiency		
COP (Coefficient Of Performance) of refrigeration systems	+	++
TEC (Total Efficiency Coefficient)	+	++
Evaporating temperature	-	+
Heat recovery	+	+
3. Safety		
Working pressure	--	++
Flammability and explosion risk	+	+
Suffocating gas	-	++
Accident risk during commissioning	--	+
Refrigerant leakages	--	+
4. Reliability		
Optimal operation conditions for each cooling cabinet	-	+
Additional safety systems	-	+
5. Investment costs		
Equipment	-	+
Factory assembly (plug in)	-	++
Phased commissioning	-	++
Remodeling	-	++
Installation and service	-	+
6. Design		
Knowledge of project engineers	--	+
Design cost	-	+
Flexible design of building and building area	-	+
Same technical solution for different ambient conditions	-	+
7. Installation		
Special certificates or licenses for installers	-	+
Costs and complexity of installation	-	+
Special requirements for pipes installation	-	+
Commissioning costs	-	+
8. Operation		
Design of sales area	+	+
Safety for customers and staff	-	+
Power consumption	+	+
Service and maintenance	-	+

P&IDiagramm



R290 Condensing Unit

OA – Condensing unit

531

L – low, M – medium

S – Standard

H – Hermetic reciprocating

6 – Cooling capacity [kW]*10

Type of unit

Model range

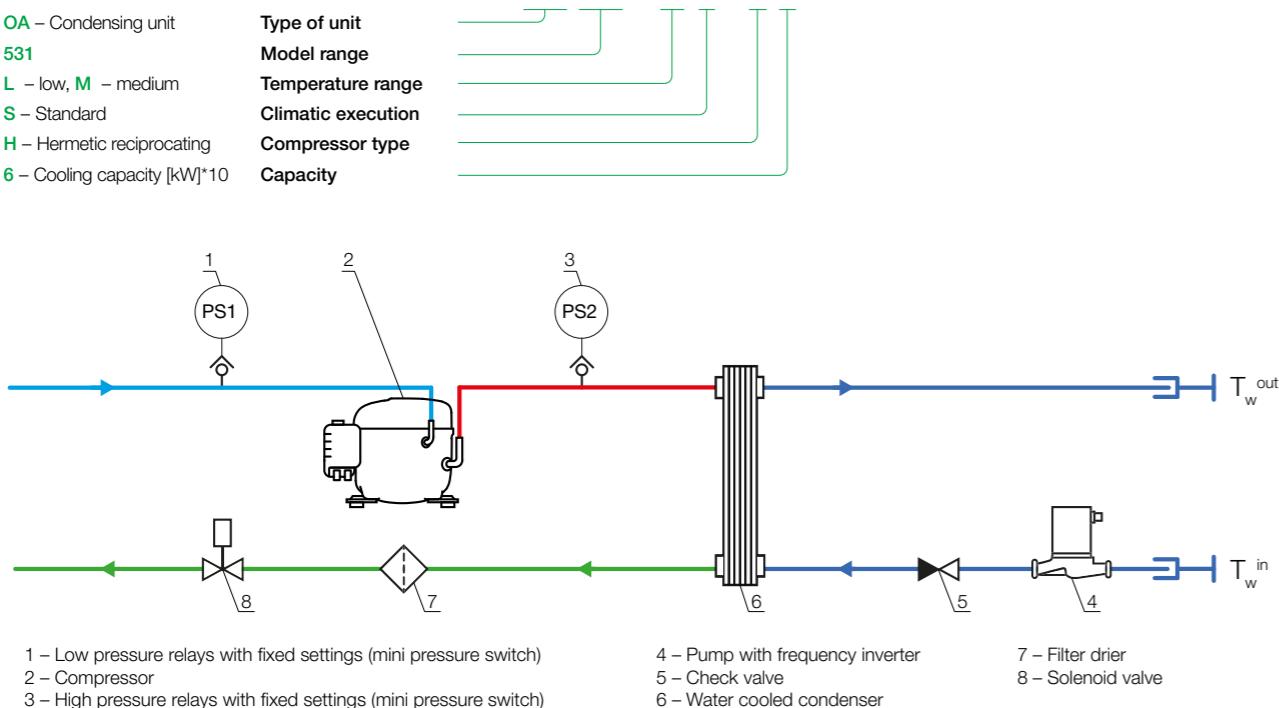
Temperature range

Climatic execution

Compressor type

Capacity

OA 531 - M S - H 6



Medium temperature

Models	Evaporation temperature, °C		+2		0		-2		-4		-6		-8		-10		-12	
	T _w in, °C	Q ₀ , kW	P, kW															
OA531-MS-H6	20	1.10	0.28	1.02	0.28	0.95	0.27	0.88	0.27	0.81	0.27	0.75	0.27	0.69	0.26	0.63	0.26	OGT
	30	0.95	0.33	0.88	0.32	0.82	0.32	0.76	0.31	0.70	0.31	0.65	0.30	0.60	0.29	0.55	0.29	OGT
	40	0.80	0.37	0.75	0.36	0.69	0.36	0.64	0.35	0.60	0.34	0.55	0.33	0.51	0.32	0.47	0.31	OGT
OA531-MS-H9	20	1.61	0.42	1.49	0.42	1.38	0.41	1.27	0.41	1.17	0.40	1.08	0.40	0.99	0.39	0.90	0.39	OGT
	30	1.42	0.49	1.31	0.49	1.21	0.48	1.12	0.47	1.03	0.46	0.95	0.45	0.87	0.44	0.79	0.43	OGT
	40	1.21	0.57	1.12	0.56	1.04	0.55	0.96	0.53	0.88	0.52	0.81	0.51	0.74	0.49	0.67	0.48	OGT
OA531-MS-H13	20	2.03	0.51	1.90	0.50	1.78	0.48	1.66	0.47	1.54	0.46	1.44	0.45	1.33	0.44	1.24	0.43	OGT
	30	1.82	0.63	1.70	0.61	1.58	0.60	1.47	0.58	1.37	0.56	1.27	0.54	1.17	0.53	1.09	0.51	OGT
	40	1.60	0.72	1.49	0.70	1.38	0.68	1.28	0.65	1.19	0.63	1.10	0.61	1.01	0.59	0.93	0.56	OGT
OA531-MS-H15	20	2.34	0.79	2.19	0.77	2.04	0.74	1.91	0.71	1.78	0.69	1.65	0.66	1.53	0.64	1.42	0.62	OGT
	30	2.10	0.86	1.96	0.83	1.83	0.80	1.70	0.77	1.58	0.74	1.47	0.71	1.36	0.69	1.26	0.66	OGT
	40	1.87	0.94	1.74	0.90	1.62	0.86	1.50	0.83	1.39	0.80	1.29	0.76	1.19	0.73	1.09	0.70	OGT
OA531-MS-H21	20	3.55	0.79	3.27	0.78	3.00	0.78	2.76	0.77	2.52	0.76	2.30	0.74	2.10	0.73	1.90	0.71	OGT
	30	3.02	0.93	2.78	0.91	2.55	0.90	2.34	0.88	2.14	0.86	1.95	0.83	1.77	0.81	1.61	0.78	OGT
	40	2.51	1.06	2.31	1.03	2.12	1.00	1.94	0.98	1.78	0.95	1.62	0.91	1.48	0.88	1.34	0.85	OGT
OA531-MS-H28	20	4.71	1.15	4.36	1.14	4.02	1.13	3.71	1.12	3.41	1.11	3.12	1.09	2.85	1.07	2.60	1.05	OGT
	30	4.09	1.33	3.78	1.31	3.48	1.29	3.20	1.27	2.94	1.24	2.68	1.21	2.44	1.18	2.21	1.15	OGT
	40	3.45	1.50	3.19	1.46	2.93	1.43	2.69	1.40	2.46	1.36	2.24	1.32	2.03	1.28	1.83	1.23	OGT
OA531-MS-H42	20	7.09	1.58	6.54	1.57	6.01	1.55	5.51	1.54	5.04	1.51	4.60	1.49	4.19	1.46	3.81	1.42	OGT
	30	6.04	1.86	5.55	1.83	5.10	1.79	4.67	1.76	4.27	1.71	3.90	1.67	3.55	1.62	3.22	1.57	OGT
	40	5.03	2.12	4.62	2.06	4.24	2.01	3.89	1.95	3.56	1.89	3.25	1.83	2.96	1.76	2.68	1.69	OGT
OA531-MS-H55	20	9.41	3.73	8.71	3.64	8.05	3.55	7.42	3.47	6.82	3.38	6.25	3.28	5.71	3.19	5.20	3.09	OGT
	30	8.17	4.27	7.55	4.14	6.97	4.02	6.40	3.89	5.87	3.76	5.37	3.62	4.88	3.48	4.43	3.34	OGT
	40	6.91	4.71	6.37	4.54	5.87	4.37	5.38	4.20	4.92	4.02	4.48	3.84	4.07	3.66	3.67	3.46	OGT

Low temperature

Models	Evaporation temperature, °C		-23		-25		-27		-29		-31		-33		-35	
	T _w in, °C	Q ₀ , kW	P, kW													
OA531-LS-H3	20	0.38	0.25	0.34	0.24	0.31	0.23	0.28	0.22	0.25	0.21	0.22	0.20	0.19	0.19	OGT
	30	0.32	0.26	0.29	0.25	0.27	0.24	0.24	0.23	0.21	0.22	0.18	0.21	0.16	0.20	OGT
	40	0.27	0.28	0.24	0.26	0.22	0.25	0.20	0.24	0.17	0.23	0.15	0.21	0.13	0.20	OGT
OA531-LS-H4	20	0.49	0.31	0.46	0.30	0.42	0.29	0.39	0.28	0.35	0.27	0.31	0.26	0.28	0.25	OGT
	30	0.43	0.34	0.39	0.33	0.36	0.31	0.33	0.30	0.29	0.27	0.28				

R455A Condensing Unit

ostrov.com OSTROV

OA – Condensing unit

331

L – low, M – medium

S – Standard

H – Hermetic reciprocating

6 – Cooling capacity [kW]*10

Type of unit

Model range

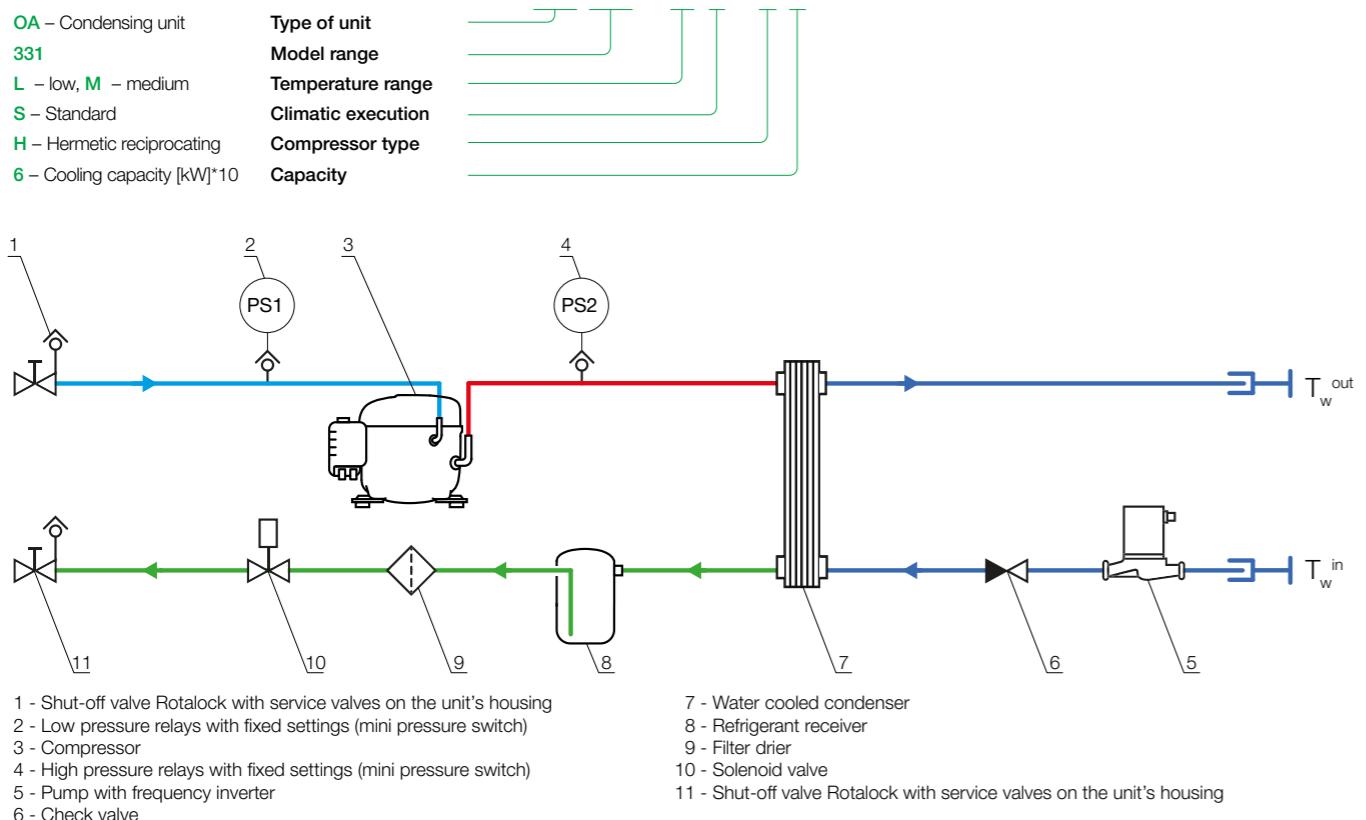
Temperature range

Climatic execution

Compressor type

Capacity

OA 331 - M S - H 6



Medium temperature

Models	Evaporation temperature, °C		+2		0		-2		-4		-6		-8		-10		-12	
	T _w in, °C	Q ₀ , kW	P, kW															
OA331-MS-H6	20	0.81	0.25	0.75	0.25	0.70	0.25	0.64	0.24	0.58	0.24	0.52	0.23	0.47	0.23	0.43	0.22	0.22
	30	0.68	0.29	0.64	0.28	0.59	0.28	0.54	0.27	0.49	0.26	0.44	0.26	0.40	0.25	0.36	0.24	0.24
	40	0.56	0.33	0.52	0.32	0.49	0.31	0.44	0.29	0.40	0.29	0.36	0.28	0.33	0.27	0.30	0.26	0.26
OA331-MS-H13	20	1.69	0.51	1.58	0.50	1.48	0.49	1.35	0.47	1.24	0.46	1.13	0.45	1.03	0.44	0.94	0.43	0.43
	30	1.43	0.58	1.34	0.57	1.25	0.55	1.15	0.53	1.05	0.52	0.96	0.50	0.87	0.49	0.80	0.48	0.48
	40	1.17	0.65	1.10	0.63	1.02	0.61	0.94	0.59	0.86	0.57	0.78	0.55	0.71	0.54	0.65	0.52	0.52
OA331-MS-H15	20	1.96	0.61	1.84	0.60	1.72	0.59	1.57	0.57	1.44	0.56	1.32	0.55	1.21	0.54	1.10	0.53	0.53
	30	1.67	0.68	1.57	0.66	1.46	0.65	1.34	0.62	1.23	0.61	1.13	0.60	1.03	0.58	0.94	0.57	0.57
	40	1.38	0.75	1.30	0.73	1.21	0.71	1.11	0.68	1.02	0.66	0.93	0.65	0.85	0.63	0.78	0.61	0.61
OA331-MS-H18	20	2.40	0.69	2.24	0.68	2.08	0.67	1.90	0.64	1.73	0.63	1.57	0.62	1.42	0.60	1.29	0.59	0.59
	30	1.99	0.78	1.86	0.76	1.73	0.74	1.58	0.71	1.44	0.69	1.30	0.67	1.18	0.65	1.06	0.63	0.63
	40	1.59	0.87	1.49	0.84	1.38	0.82	1.26	0.77	1.14	0.75	1.03	0.72	0.93	0.70	0.84	0.67	0.67
OA331-MS-H29	20	3.90	1.02	3.64	1.00	3.38	0.97	3.08	0.93	2.79	0.91	2.53	0.88	2.28	0.86	2.06	0.83	0.83
	30	3.23	1.15	3.01	1.12	2.79	1.08	2.54	1.03	2.30	0.99	2.08	0.96	1.87	0.93	1.68	0.89	0.89
	40	2.56	1.28	2.38	1.24	2.20	1.19	2.00	1.13	1.81	1.08	1.63	1.04	1.46	1.00	1.30	0.95	0.95
OA331-MS-H32	20	4.22	1.14	3.95	1.11	3.68	1.08	3.36	1.04	3.06	1.01	2.79	0.99	2.53	0.96	2.30	0.93	0.93
	30	3.52	1.28	3.30	1.25	3.07	1.21	2.80	1.15	2.55	1.12	2.32	1.08	2.10	1.05	1.90	1.01	1.01
	40	2.83	1.43	2.64	1.38	2.45	1.34	2.24	1.26	2.03	1.22	1.84	1.18	1.67	1.13	1.50	1.09	1.09
OA331-MS-H41	20	5.47	1.66	5.12	1.62	4.77	1.58	4.36	1.51	3.97	1.47	3.61	1.43	3.28	1.39	2.97	1.35	1.35
	30	4.60	1.83	4.30	1.78	4.00	1.73	3.64	1.65	3.32	1.60	3.01	1.55	2.73	1.50	2.46	1.45	1.45
	40	3.72	2.00	3.47	1.94	3.22	1.88	2.93	1.79	2.66	1.73	2.41	1.67	2.17	1.61	1.95	1.55	1.55
OA331-MS-H56	20	7.53	2.04	7.04	2.00	6.55	1.95	5.97	1.86	5.44	1.82	4.94	1.78	4.48	1.73	4.05	1.68	1.68
	30	6.23	2.30	5.81	2.23	5.40	2.16	4.91	2.04	4.46	1.98	4.04	1.91	3.64	1.84	3.28	1.77	1.77
	40	4.93	2.55	4.59	2.45	4.25	2.36	3.85	2.22	3.48	2.14	3.14	2.05	2.81	1.96	2.51	1.86	1.86
OA331-MS-H82	20	10.95	3.32	10.24	3.24	9.54	3.16	8.71	3.02	7.94	2.94	7.22	2.86	6.56	2.78	5.94	2.70	2.70
	30	9.20	3.66	8.59	3.56	7.99	3.46	7.29	3.29	6.63	3.20	6.02	3.10	5.45	3.00	4.92	2.90	2.90
	40	7.44	4.01	6.95	3.89	6.45	3.76	5.86	3.57	5.32	3.45	4.82	3.33	4.35	3.22	3.91	3.09	3.09

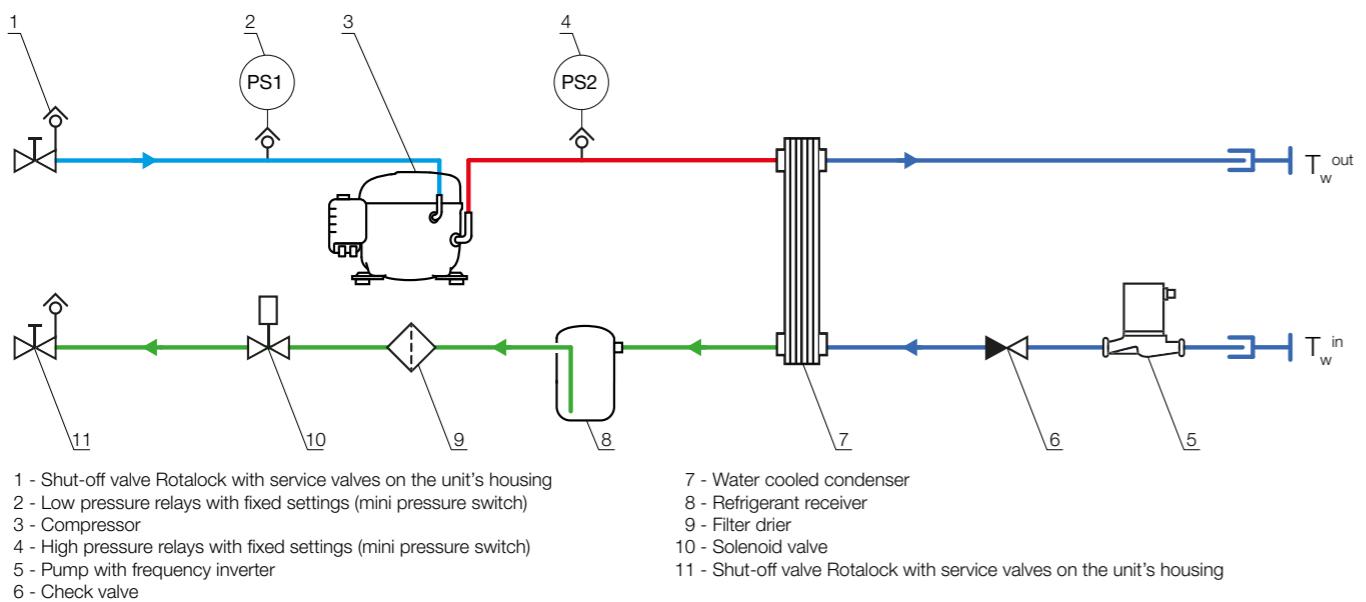
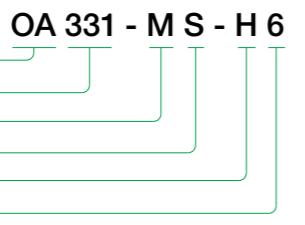
Low temperature

Models	Evaporation temperature, °C		-23		-25		-27		-29		-31		-33		-35	
	T _w in, °C	Q ₀ , kW	P, kW													
OA331-LS-H6	20	0.81	0.55	0.74	0.52	0.67	0.50	0.59	0.48	0.52	0.45	0.45	0.43	0.43		

R449A Condensing Unit

OA – Condensing unit
331
L – low, **M** – medium
S – Standard
H – Hermetic reciprocating
6 – Cooling capacity [kW]*10

Type of unit
Model range
Temperature range
Climatic execution
Compressor type
Capacity



Medium temperature

Models	Max. operation current	Starting current	Receiver volume	Sound pressure level	Liquid pipes	Suction pipes	Length	Width	Height	Net weight
	A	A	I	dB (A)	inch	inch	mm	mm	mm	kg
OA331-MS-H6	2.9	11.4	1.6	18	3/8	3/8	825	340	300	35.6
OA331-MS-H13	5.9	19.4	1.6	25	3/8	3/8	825	340	300	37.0
OA331-MS-H15	5.3	19.3	1.6	25	3/8	3/8	825	340	300	37.8
OA331-MS-H18	6.7	22.6	2.3	22	3/8	1/2	840	340	340	52.5
OA331-MS-H29	11.3	33.0	2.3	25	3/8	1/2	840	340	340	53.9
OA331-MS-H32	12.7	39.0	2.3	25	3/8	1/2	840	340	340	54.0
OA331-MS-H41	15.2	45.0	2.3	29	3/8	1/2	840	340	340	54.0
OA331-MS-H56	2 x 12.7	2 x 39.0	2.3	28	3/8	7/8	1320	340	340	80.2
OA331-MS-H82	2 x 15.2	2 x 45.0	2.3	32	3/8	7/8	1320	340	340	80.2

Low temperature

Models	Max. operation current	Starting current	Receiver volume	Sound pressure level	Liquid pipes	Suction pipes	Length	Width	Height	Net weight
	A	A	I	dB (A)	inch	inch	mm	mm	mm	kg
OA331-LS-H6	5.9	21.0	2.3	18	3/8	1/2	840	340	340	52.5
OA331-LS-H7	5.7	27.0	2.3	18	3/8	1/2	840	340	340	53.8
OA331-LS-H9	8.2	30.0	2.3	19	3/8	1/2	840	340	340	53.8
OA331-LS-H12	10.0	40.0	2.3	22	3/8	1/2	840	340	340	54.6
OA331-LS-H18	2 x 8.2	2 x 30.0	2.3	21	3/8	7/8	1320	340	340	79.8
OA331-LS-H23	2 x 10.0	2 x 40.0	2.3	25	3/8	7/8	1320	340	340	81.4

Compressor Hermetic reciprocating

Power supply -1-230V-50Hz

Water pipes G3/4"



Medium temperature

Evaporation temperature, °C	+2		0	-2	-4	-6	-8	-10	-12
Models	T _w in, °C	Q _o , kW	P, kW						
OA331-MS-H6	20	0.78	0.23	0.71	0.22	0.65	0.22	0.53	0.21
	30	0.68	0.26	0.61	0.25	0.56	0.25	0.46	0.24
	40	0.57	0.29	0.51	0.28	0.46	0.28	0.38	0.26
OA331-MS-H13	20	1.62	0.46	1.49	0.45	1.36	0.44	1.24	0.43
	30	1.40	0.53	1.28	0.51	1.17	0.50	1.07	0.48
	40	1.18	0.59	1.08	0.57	0.98	0.55	0.89	0.54
OA331-MS-H15	20	1.88	0.54	1.73	0.53	1.58	0.52	1.45	0.51
	30	1.64	0.61	1.50	0.59	1.37	0.58	1.25	0.57
	40	1.39	0.67	1.27	0.65	1.16	0.64	1.06	0.62
OA331-MS-H18	20	2.30	0.62	2.10	0.61	1.91	0.59	1.73	0.58
	30	1.94	0.70	1.77	0.68	1.60	0.66	1.45	0.65
	40	1.60	0.78	1.45	0.75	1.31	0.73	1.18	0.70
OA331-MS-H29	20	3.74	0.91	3.41	0.89	3.09	0.86	2.80	0.84
	30	3.14	1.03	2.85	1.00	2.58	0.97	2.33	0.93
	40	2.57	1.15	2.32	1.11	2.09	1.06	1.88	1.02
OA331-MS-H32	20	4.06	1.03	3.70	1.00	3.38	0.97	3.07	0.94
	30	3.44	1.16	3.13	1.12	2.85	1.09	2.58	1.05
	40	2.84	1.28	2.58	1.24	2.33	1.19	2.11	1.15
OA331-MS-H41	20	5.27	1.49	4.81	1.44	4.39	1.40	3.99	1.36
	30	4.50	1.64	4.10	1.59	3.73	1.54	3.38	1.49
	40	3.73	1.80	3.38	1.74	3.06	1.68	2.77	1.57
OA331-MS-H56	20	7.21	1.85	6.58	1.80	5.99	1.75	5.44	1.70
	30	6.05	2.08	5.50	2.01	4.99	1.94	4.52	1.87
	40	4.90	2.27	4.44	2.19	4.00	2.10	3.60	2.01
OA331-MS-H82	20	10.53	2.97	9.62	2.89	8.77	2.80	7.98	2.72
	30	9.00	3.29	8.20	3.18	7.46	3.08	6.76	2.98
	40	7.46	3.61	6.77	3.48	6.13	3.36	5.53	3.25

Low temperature

Evaporation temperature, °C	-23	-25	-27	-29	-31	-33	-35
Models	T _w in, °C	Q _o , kW	P, kW	Q _o , kW	P, kW	Q _o , kW	P, kW
OA331-LS-H6	20	0.78	0.50	0.69	0.48	0.60	0.46
	30	0.62	0.53	0.54	0.50	0.47	0.47
	40	0.47	0.53	0.40	0.50	0.34	0.46
OA331-LS-H7	20	0.91	0.60	0.81	0.57	0.71	0.54
	30	0.73	0.63	0.64	0.59	0.56	0.48

R452A Condensing Unit

ostrov.com OSTROV

OA – Condensing unit

331

L – low, M – medium

S – Standard

H – Hermetic reciprocating

6 – Cooling capacity [kW]*10

Type of unit

Model range

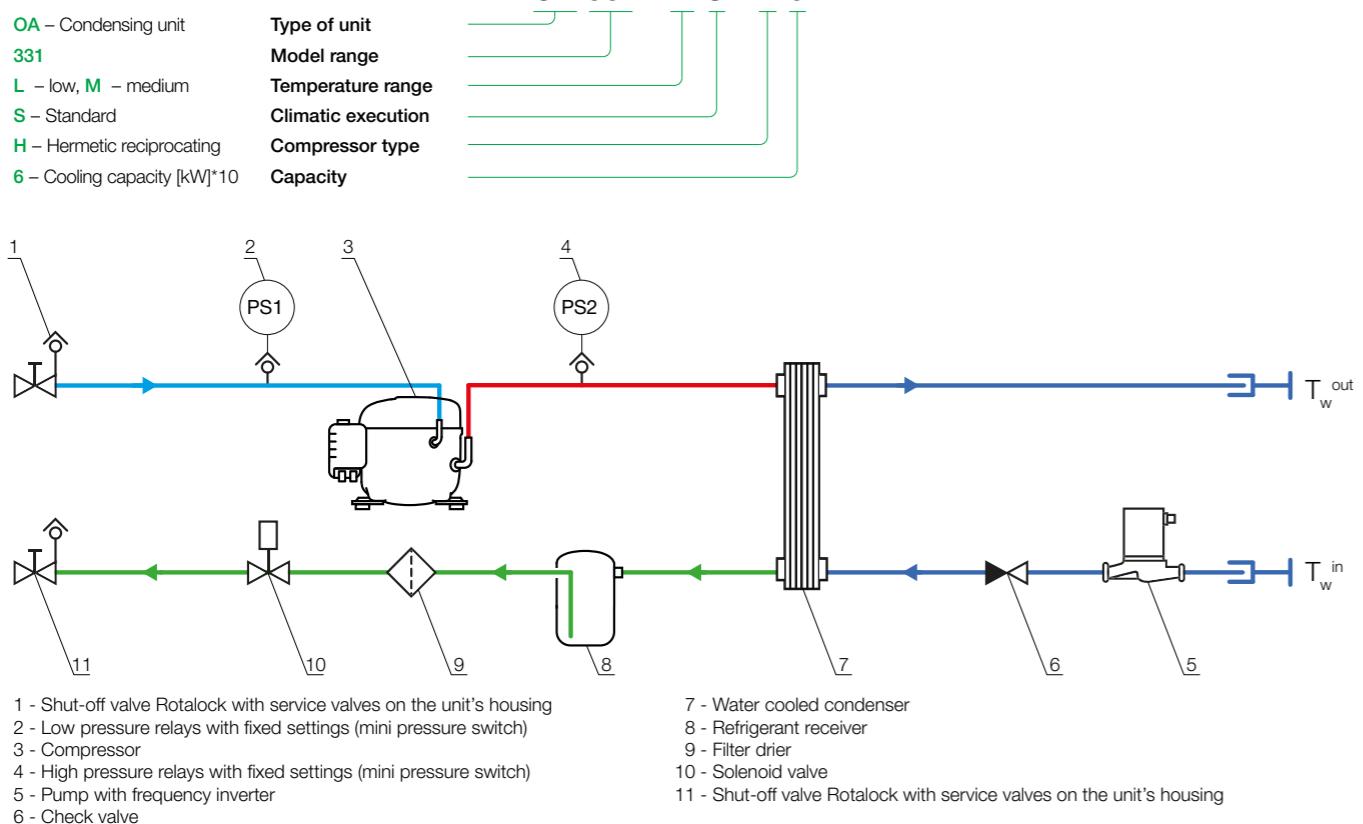
Temperature range

Climatic execution

Compressor type

Capacity

OA 331 - M S - H 6



Medium temperature

Models	Evaporation temperature, °C		+2		0		-2		-4		-6		-8		-10		-12	
	T _w in, °C	Q ₀ , kW	P, kW															
OA331-MS-H6	20	0.78	0.26	0.73	0.26	0.67	0.25	0.61	0.24	0.55	0.24	0.49	0.24	0.44	0.23	0.39	0.23	OGT
	30	0.67	0.29	0.62	0.29	0.57	0.28	0.52	0.27	0.47	0.26	0.42	0.25	0.37	0.25	0.33	0.24	OGT
	40	0.56	0.32	0.52	0.32	0.48	0.31	0.43	0.29	0.38	0.28	0.34	0.27	0.30	0.26	0.27	0.25	OGT
OA331-MS-H13	20	1.63	0.50	1.52	0.49	1.41	0.48	1.29	0.46	1.17	0.45	1.06	0.44	0.95	0.43	0.86	0.42	OGT
	30	1.39	0.57	1.30	0.55	1.20	0.54	1.10	0.51	0.99	0.50	0.89	0.49	0.81	0.47	0.72	0.46	OGT
	40	1.15	0.63	1.07	0.62	0.99	0.60	0.90	0.57	0.81	0.55	0.73	0.53	0.66	0.51	0.59	0.50	OGT
OA331-MS-H15	20	1.89	0.59	1.77	0.58	1.64	0.57	1.50	0.55	1.36	0.54	1.23	0.53	1.11	0.52	1.00	0.51	OGT
	30	1.63	0.66	1.52	0.65	1.41	0.63	1.28	0.60	1.16	0.59	1.05	0.58	0.95	0.56	0.85	0.55	OGT
	40	1.37	0.73	1.27	0.71	1.18	0.69	1.07	0.66	0.97	0.64	0.87	0.62	0.78	0.60	0.70	0.58	OGT
OA331-MS-H18	20	2.32	0.68	2.16	0.66	1.99	0.65	1.81	0.62	1.63	0.61	1.46	0.60	1.31	0.58	1.17	0.57	OGT
	30	1.94	0.76	1.80	0.74	1.67	0.72	1.51	0.69	1.36	0.67	1.21	0.65	1.08	0.63	0.97	0.60	OGT
	40	1.57	0.85	1.45	0.82	1.34	0.79	1.21	0.75	1.08	0.72	0.97	0.70	0.86	0.67	0.76	0.64	OGT
OA331-MS-H29	20	3.77	0.99	3.51	0.97	3.24	0.95	2.93	0.90	2.63	0.88	2.36	0.86	2.10	0.83	1.87	0.81	OGT
	30	3.15	1.12	2.92	1.09	2.69	1.05	2.43	1.00	2.17	0.96	1.94	0.93	1.72	0.89	1.53	0.86	OGT
	40	2.52	1.25	2.33	1.21	2.14	1.16	1.93	1.09	1.71	1.05	1.52	1.00	1.34	0.96	1.18	0.91	OGT
OA331-MS-H32	20	4.09	1.11	3.80	1.08	3.52	1.06	3.20	1.01	2.88	0.98	2.60	0.96	2.33	0.93	2.09	0.90	OGT
	30	3.43	1.25	3.19	1.21	2.95	1.18	2.68	1.12	2.41	1.08	2.16	1.05	1.93	1.01	1.73	0.97	OGT
	40	2.78	1.40	2.58	1.35	2.38	1.30	2.15	1.23	1.93	1.18	1.72	1.13	1.53	1.09	1.36	1.04	OGT
OA331-MS-H41	20	5.30	1.62	4.93	1.58	4.56	1.54	4.14	1.47	3.74	1.43	3.36	1.39	3.02	1.35	2.70	1.31	OGT
	30	4.48	1.79	4.16	1.74	3.84	1.68	3.48	1.60	3.13	1.55	2.81	1.50	2.51	1.45	2.24	1.39	OGT
	40	3.66	1.96	3.40	1.90	3.13	1.83	2.82	1.73	2.52	1.67	2.25	1.60	2.00	1.54	1.77	1.47	OGT
OA331-MS-H56	20	7.28	1.99	6.77	1.94	6.26	1.90	5.68	1.81	5.12	1.77	4.60	1.72	4.12	1.68	3.68	1.63	OGT
	30	6.07	2.24	5.63	2.17	5.19	2.10	4.70	1.98	4.21	1.92	3.77	1.85	3.35	1.78	2.98	1.70	OGT
	40	4.85	2.49	4.48	2.40	4.12	2.30	3.71	2.16	3.30	2.06	2.93	1.97	2.59	1.88	2.27	1.78	OGT
OA331-MS-H82	20	10.59	3.23	9.86	3.15	9.12	3.07	8.29	2.93	7.47	2.86	6.73	2.78	6.04	2.70	5.41	2.62	OGT
	30	8.96	3.58	8.32	3.47	7.69	3.37	6.97	3.20	6.26	3.10	5.62	2.99	5.02	2.89	4.47	2.79	OGT
OA331-MS-H82	40	7.33	3.92	6.79	3.79	6.25	3.66	5.65	3.46	5.05	3.34	4.50	3.21	4.00	3.08	3.54	2.95	OGT

Low temperature

Models	Evaporation temperature, °C		-23		-25		-27		-29		-31		-33		-35		
	T _w in, °C	Q ₀ , kW	P, kW														
OA331-LS-H6	20	0.82	0.54	0.72	0.51	0.64	0.49	0.56	0.46	0.48	0.44	0.42	0.42	0.36	0.39	0.38	OGT
	30	0.65	0.56	0.57													

R404A Condensing Unit

ostrov.com OSTROV

OA – Condensing unit

331

L – low, M – medium

S – Standard

H – Hermetic reciprocating

6 – Cooling capacity [kW]*10

Type of unit

Model range

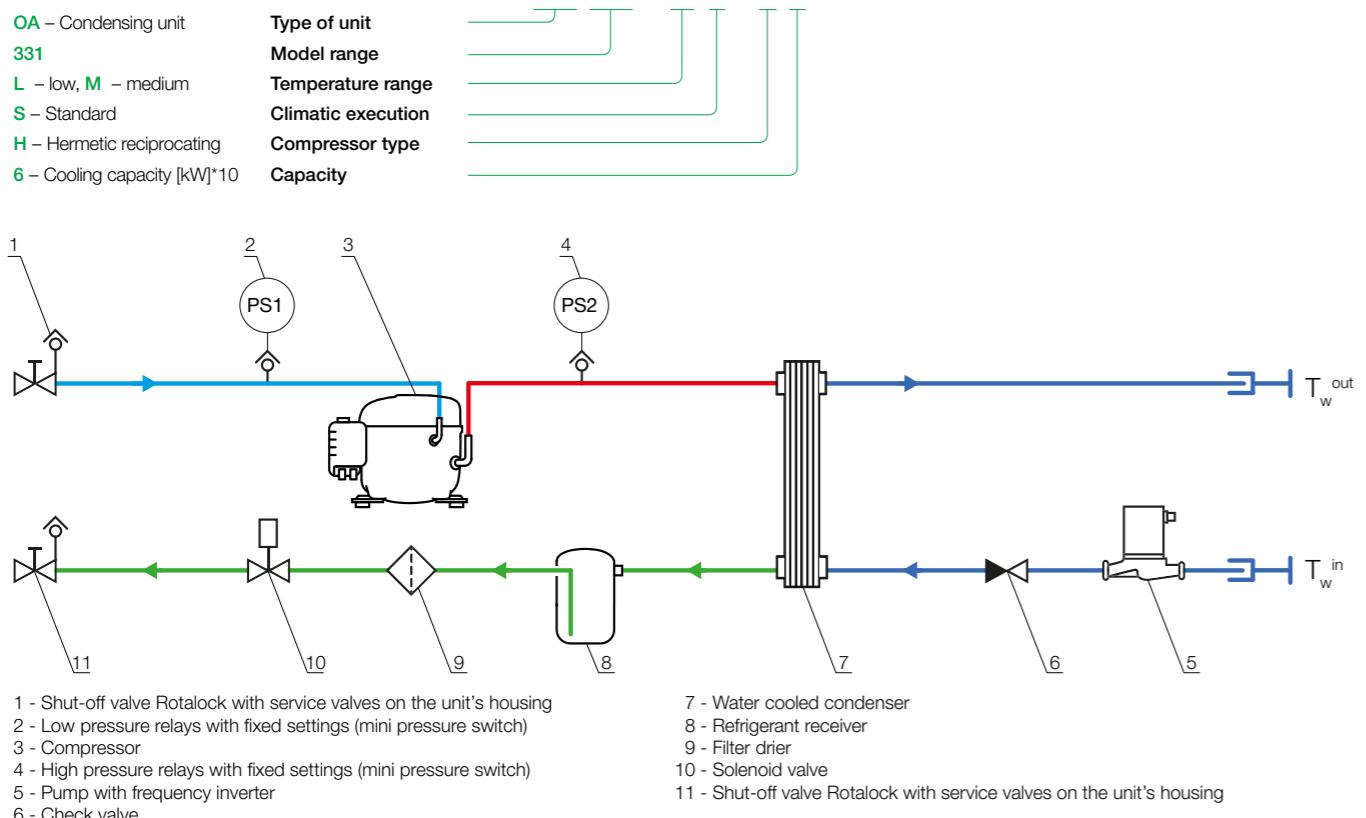
Temperature range

Climatic execution

Compressor type

Capacity

OA 331 - M S - H 6



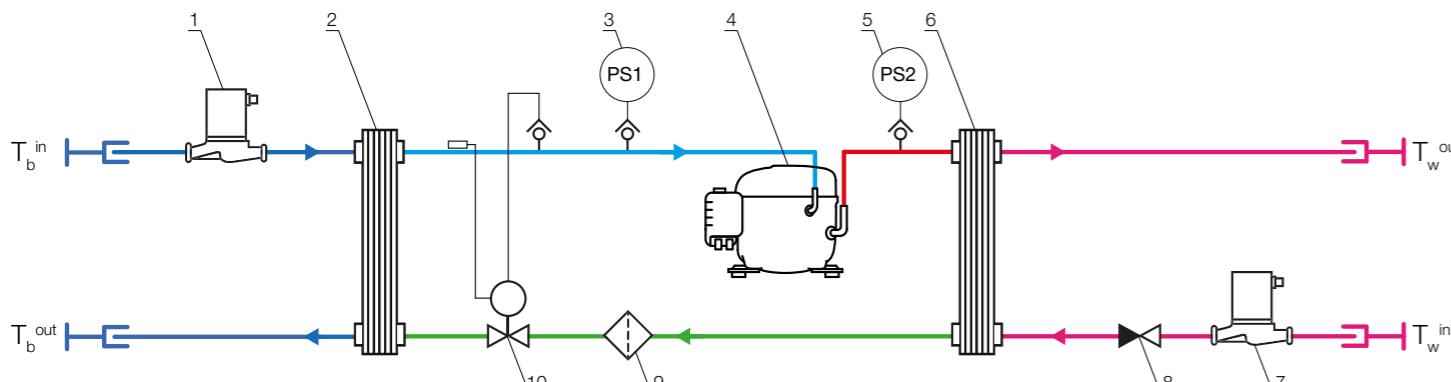
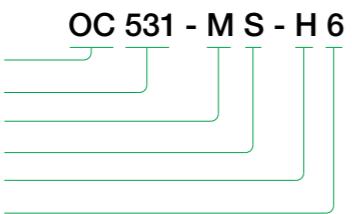
Medium temperature

Evaporation temperature, °C		+2		0		-2		-4		-6		-8		-10		-12	
Models	T _w in, °C	Q ₀ , kW	P, kW														
OA331-MS-H6	20	0.82	0.26	0.76	0.26	0.71	0.25	0.65	0.24	0.59	0.24	0.53	0.24	0.48	0.23	0.43	0.23
	30	0.69	0.30	0.65	0.29	0.60	0.28	0.55	0.27	0.50	0.27	0.45	0.26	0.41	0.25	0.37	0.25
	40	0.57	0.33	0.53	0.32	0.49	0.32	0.45	0.30	0.41	0.29	0.37	0.28	0.33	0.28	0.30	0.27
OA331-MS-H13	20	1.71	0.53	1.61	0.51	1.50	0.50	1.37	0.48	1.26	0.47	1.15	0.46	1.05	0.45	0.96	0.44
	30	1.45	0.59	1.36	0.58	1.27	0.57	1.16	0.54	1.06	0.53	0.97	0.51	0.89	0.50	0.81	0.49
	40	1.19	0.66	1.11	0.64	1.04	0.63	0.95	0.60	0.87	0.58	0.80	0.56	0.73	0.55	0.66	0.53
OA331-MS-H15	20	1.99	0.62	1.86	0.61	1.74	0.60	1.60	0.58	1.46	0.57	1.34	0.56	1.23	0.55	1.12	0.54
	30	1.70	0.69	1.59	0.68	1.49	0.66	1.36	0.64	1.25	0.62	1.14	0.61	1.05	0.59	0.95	0.58
	40	1.41	0.76	1.32	0.75	1.23	0.73	1.13	0.69	1.03	0.68	0.95	0.66	0.86	0.64	0.79	0.62
OA331-MS-H18	20	2.43	0.71	2.27	0.70	2.11	0.68	1.93	0.65	1.76	0.64	1.59	0.63	1.45	0.62	1.31	0.60
	30	2.02	0.80	1.89	0.78	1.76	0.76	1.60	0.72	1.46	0.70	1.32	0.68	1.20	0.66	1.08	0.64
	40	1.62	0.89	1.51	0.86	1.40	0.83	1.28	0.79	1.16	0.77	1.05	0.74	0.95	0.71	0.85	0.68
OA331-MS-H29	20	3.96	1.04	3.70	1.02	3.43	0.99	3.13	0.95	2.84	0.93	2.57	0.90	2.32	0.88	2.09	0.85
	30	3.28	1.18	3.06	1.14	2.83	1.11	2.58	1.05	2.33	1.02	2.11	0.98	1.90	0.95	1.71	0.91
	40	2.60	1.31	2.42	1.26	2.24	1.22	2.03	1.15	1.83	1.11	1.65	1.06	1.48	1.02	1.32	0.97
OA331-MS-H32	20	4.29	1.16	4.01	1.14	3.73	1.11	3.41	1.06	3.11	1.03	2.83	1.01	2.57	0.98	2.33	0.95
	30	3.58	1.31	3.35	1.27	3.11	1.24	2.84	1.18	2.59	1.14	2.35	1.11	2.13	1.07	1.93	1.03
	40	2.87	1.46	2.68	1.41	2.49	1.36	2.27	1.29	2.06	1.25	1.87	1.20	1.69	1.16	1.53	1.11
OA331-MS-H41	20	5.56	1.70	5.20	1.66	4.84	1.61	4.42	1.54	4.03	1.50	3.67	1.46	3.33	1.42	3.01	1.38
	30	4.67	1.87	4.36	1.82	4.06	1.77	3.70	1.68	3.37	1.63	3.06	1.58	2.77	1.53	2.50	1.48
	40	3.78	2.05	3.52	1.99	3.27	1.92	2.98	1.82	2.70	1.76	2.45	1.70	2.21	1.64	1.98	1.58
OA331-MS-H56	20	7.65	2.09	7.15	2.04	6.65	1.99	6.06	1.91	5.52	1.86	5.01	1.81	4.54	1.77	4.11	1.72
	30	6.32	2.35	5.90	2.27	5.48	2.20	4.99	2.09	4.53	2.02	4.10	1.95	3.70	1.88	3.33	1.81
	40	5.00	2.60	4.66	2.51	4.31	2.41	3.91	2.27	3.53	2.18	3.18	2.09	2.85	2.00	2.55	1.90
OA331-MS-H82	20	11.11	3.39	10.40	3.31	9.68	3.23	8.84	3.08	8.06	3.00	7.33	2.92	6.65	2.84	6.03	2.76
	30	9.33	3.74	8.72	3.64	8.11	3.54	7.40	3.37	6.73	3.27	6.11	3.17	5.53	3.06	5.00	2.96
	40	7.56	4.10	7.05	3.97	6.54	3.85	5.95	3.65	5.40	3.53	4.90	3.41	4.41	3.29	3.96	3.16

Low temperature

Evaporation temperature, °C		-23		-25		-27		-29		-31		-33		-35		
Models	T _w in, °C	Q ₀ , kW	P, kW													
OA331-LS-H6	20	0.82	0.56	0.75	0.53	0.68	0.51	0.60	0.49	0.52	0.46	0.45	0.44	0.39	0.42	0.41
	30	0.66	0.58	0.60	0.55	0.54	0.52	0.47	0.49	0.41	0.46	0.35	0.43	0.30	0.41	0.41
	40	0.50	0.59	0.45	0.56	0.41	0.53	0.35	0.49	0.30	0.					

OC – Chiller
531
M – Medium
S – Standard
H – Hermetic reciprocating
6 – Cooling capacity [kW]*10



1 - Pump with frequency inverter

2 - Plate evaporator

3 - Low pressure switch with fixed settings (mini pressure switch)

4 - Compressor

5 - High pressure switch with fixed settings (mini pressure switch)

6 - Water cooled condenser

7 - Pump with frequency inverter

8 - Check valve

9 - Filter drier

10 - Capillary pipe / Thermostatic expansion valve

Models	Brine flow	Max. operation current	Starting current	Sound pressure level	Brine pipes	Water pipes	Length	Width	Height	Net weight	Refrigerant charge
	m³/h	A	A	dB (A)	inch	inch	mm	mm	mm	kg	g
OC531-MS-H6	0.14	3.3	13.5	25	3/4	G3/4	796	340	364	40.5	110
OC531-MS-H9	0.21	5.1	17.1	25	3/4	G3/4	796	340	364	41.0	110
OC531-MS-H13	0.29	5.3	16.2	25	3/4	G3/4	796	340	364	41.5	120
OC531-MS-H15	0.34	5.8	19.2	25	3/4	G3/4	796	340	364	42.5	120
OC531-MS-H21	0.47	7.0	30.0	25	3/4	G3/4	796	340	364	52.0	150
OC531-MS-H28	0.62	8.9	35.0	25	3/4	G3/4	796	340	364	54.0	150
OC531-MS-H42	0.94	2 x 7.0	2 x 30.0	29	3/4	G3/4	1190	340	364	93.0	2 x 150
OC531-MS-H55	1.23	2 x 8.9	2 x 35.0	29	3/4	G3/4	1190	340	364	95.0	2 x 150

Compressor Hermetic reciprocating

Power supply -1-230V-50Hz



T _b ⁱⁿ / T _b ^{out} , °C	MPG35%	+12/+8		+8/+4		+6/+2		+4/0		+2/-2		0/-4		-2/-6		-4/-8		
		Evaporation temperature, °C	+2	0	-2	-4	-6	-8	-10	-12								
20	1.10	0.28	1.02	0.28	0.95	0.27	0.88	0.27	0.81	0.27	0.75	0.27	0.69	0.26	0.63	0.26	OGT	
OC531-MS-H6	30	0.95	0.33	0.88	0.32	0.82	0.32	0.76	0.31	0.70	0.31	0.65	0.30	0.60	0.29	0.55	0.29	OGT
	40	0.80	0.37	0.75	0.36	0.69	0.36	0.64	0.35	0.60	0.34	0.55	0.33	0.51	0.32	0.47	0.31	OGT
	20	1.61	0.42	1.49	0.42	1.38	0.41	1.27	0.41	1.17	0.40	1.08	0.40	0.99	0.39	0.90	0.39	OGT
OC531-MS-H9	30	1.42	0.49	1.31	0.49	1.21	0.48	1.12	0.47	1.03	0.46	0.95	0.45	0.87	0.44	0.79	0.43	OGT
	40	1.21	0.57	1.12	0.56	1.04	0.55	0.96	0.53	0.88	0.52	0.81	0.51	0.74	0.49	0.67	0.48	OGT
	20	2.03	0.51	1.90	0.50	1.78	0.48	1.66	0.47	1.54	0.46	1.44	0.45	1.33	0.44	1.24	0.43	OGT
OC531-MS-H13	30	1.82	0.63	1.70	0.61	1.58	0.60	1.47	0.58	1.37	0.56	1.27	0.54	1.17	0.53	1.09	0.51	OGT
	40	1.60	0.72	1.49	0.70	1.38	0.68	1.28	0.65	1.19	0.63	1.10	0.61	1.01	0.59	0.93	0.56	OGT
	20	2.34	0.79	2.19	0.77	2.04	0.74	1.91	0.71	1.78	0.69	1.65	0.66	1.53	0.64	1.42	0.62	OGT
OC531-MS-H15	30	2.10	0.86	1.96	0.83	1.83	0.80	1.70	0.77	1.58	0.74	1.47	0.71	1.36	0.69	1.26	0.66	OGT
	40	1.87	0.94	1.74	0.90	1.62	0.86	1.50	0.83	1.39	0.80	1.29	0.76	1.19	0.73	1.09	0.70	OGT
	20	3.55	0.79	3.27	0.78	3.00	0.78	2.76	0.77	2.52	0.76	2.30	0.74	2.10	0.73	1.90	0.71	OGT
OC531-MS-H21	30	3.02	0.93	2.78	0.91	2.55	0.90	2.34	0.88	2.14	0.86	1.95	0.83	1.77	0.81	1.61	0.78	OGT
	40	2.51	1.06	2.31	1.03	2.12	1.00	1.94	0.98	1.78	0.95	1.62	0.91	1.48	0.88	1.34	0.85	OGT
	20	4.71	1.15	4.36	1.14	4.02	1.13	3.71	1.12	3.41	1.11	3.12	1.09	2.85	1.07	2.60	1.05	OGT
OC531-MS-H28	30	4.09	1.33	3.78	1.31	3.48	1.29	3.20	1.27	2.94	1.24	2.68	1.21	2.44	1.18	2.21	1.15	OGT
	40	3.45	1.50	3.19	1.46	2.93	1.43	2.69	1.40	2.46	1.36	2.24	1.32	2.03	1.28	1.83	1.23	OGT
	20	7.09	1.58	6.54	1.57	6.01	1.55	5.51	1.54	5.04	1.51	4.60	1.49	4.19	1.46	3.81	1.42	OGT
OC531-MS-H42	30	6.04	1.86	5.55	1.83	5.10	1.79	4.67	1.76	4.27	1.71	3.90	1.67	3.55	1.62	3.22	1.57	OGT
	40	5.03	2.12	4.62	2.06	4.24	2.01	3.89	1.95	3.56	1.89	3.25	1.83	2.96	1.76	2.68	1.69	OGT
	20	9.41	3.73	8.71	3.64	8.05	3.55	7.42	3.47	6.82	3.38	6.25	3.28	5.71	3.19	5.20	3.09	OGT
OC531-MS-H55	30	8.17	4.27	7.55	4.14	6.97	4.02	6.40	3.89	5.87	3.76	5.37	3.62	4.88	3.48	4.43	3.34	OGT
	40	6.91	4.71	6.37	4.54	5.87	4.37	5.38	4.20	4.92	4.02	4.48	3.84	4.07	3.66	3.67	3.46	OGT

MPG35% – Monopropylene glycol 35%

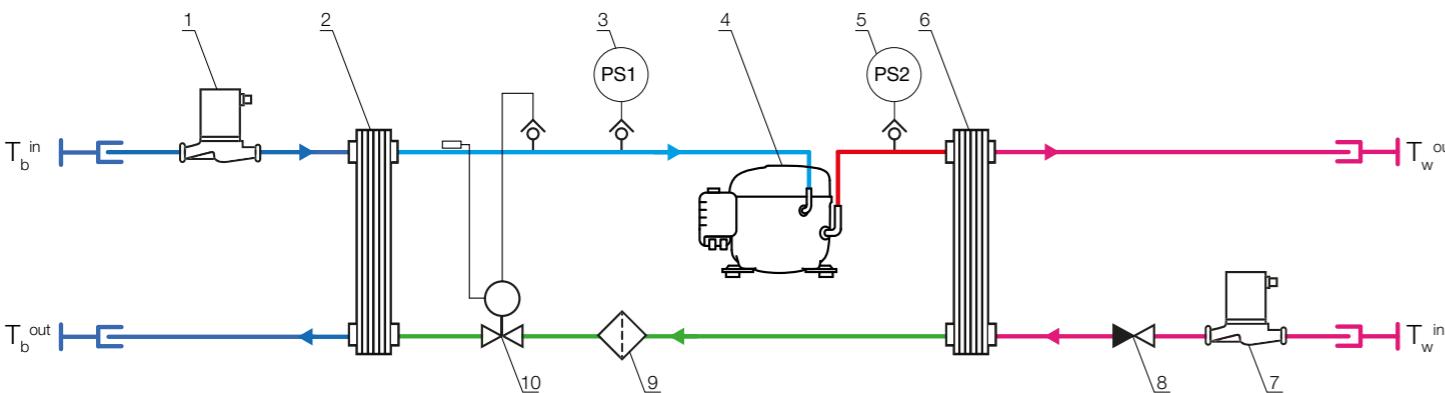
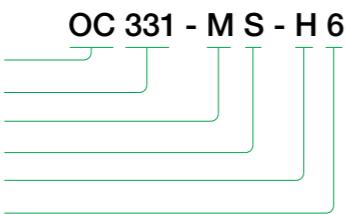
T_bⁱⁿ – Brine inlet temperature, °C

Q₀ – Cooling capacity, kW

T_b^{out} – Brine outlet temperature, °C

P – Power consumption, kW

OC – Chiller
331
M – Medium
S – Standard
H – Hermetic reciprocating
6 – Cooling capacity [kW]*10



- 1 - Pump with frequency inverter
- 2 - Plate evaporator
- 3 - Low pressure switch with fixed settings (mini pressure switch)
- 4 - Compressor
- 5 - High pressure switch with fixed settings (mini pressure switch)

- 6 - Water cooled condenser
- 7 - Pump with frequency inverter
- 8 - Check valve
- 9 - Filter drier
- 10 - Capillary pipe / Thermostatic expansion valve

Models	Brine flow	Maximum operating current	Starting current	Sound pressure level	Brine pipes	Water pipes	Length	Width	Height	Net weight	Refrigerant charge
	m³/h	A	A	dB(A)	inch	inch	mm	mm	mm	kg	g
OC331-MS-H6	0.15	2.9	11.4	18	3/4	G3/4	796	340	364	35.6	300
OC331-MS-H13	0.32	5.9	19.4	25	3/4	G3/4	796	340	364	37.0	300
OC331-MS-H15	0.38	5.3	19.3	25	3/4	G3/4	796	340	364	37.8	300
OC331-MS-H18	0.45	6.7	22.6	22	3/4	G3/4	796	340	364	52.5	400
OC331-MS-H29	0.73	11.3	33.0	25	3/4	G3/4	796	340	364	53.9	400
OC331-MS-H32	0.80	12.7	39.0	25	3/4	G3/4	796	340	364	54.0	400
OC331-MS-H41	1.04	15.2	45.0	29	3/4	G3/4	796	340	364	54.0	400
OC331-MS-H56	1.60	2 x 12.7	2 x 39.0	29	3/4	G3/4	1190	340	364	80.2	2 x 400
OC331-MS-H82	2.07	2 x 15.2	2 x 45.0	29	3/4	G3/4	1190	340	364	80.2	2 x 400

Compressor Hermetic reciprocating

Power supply -1~230V-50Hz



T _b ⁱⁿ / T _b ^{ext} , °C	MPG35%	+12/+8	+8/+4	+6/+2	+4/0	+2/-2	0/-4	-2/-6	-4/-8
Evaporation temperature, °C		+2	0	-2	-4	-6	-8	-10	-12
20	0.78	0.23	0.71	0.22	0.65	0.22	0.59	0.21	0.48
30	0.68	0.26	0.61	0.25	0.56	0.25	0.50	0.24	0.41
40	0.57	0.29	0.51	0.28	0.46	0.28	0.42	0.27	0.38
20	1.62	0.46	1.49	0.45	1.36	0.44	1.24	0.43	1.03
30	1.40	0.53	1.28	0.51	1.17	0.50	1.07	0.48	0.88
40	1.18	0.59	1.08	0.57	0.98	0.55	0.89	0.54	0.73
20	1.88	0.54	1.73	0.53	1.58	0.52	1.45	0.51	1.21
30	1.64	0.61	1.50	0.59	1.37	0.58	1.25	0.57	1.14
40	1.39	0.67	1.27	0.65	1.16	0.64	1.06	0.62	0.96
20	2.30	0.62	2.10	0.61	1.91	0.59	1.73	0.58	1.42
30	1.94	0.70	1.77	0.68	1.60	0.66	1.45	0.65	1.18
40	1.60	0.78	1.45	0.75	1.31	0.73	1.18	0.70	1.07
20	3.74	0.91	3.41	0.89	3.09	0.86	2.80	0.84	2.53
30	3.14	1.03	2.85	1.00	2.58	0.97	2.33	0.93	2.10
40	2.57	1.15	2.32	1.11	2.09	1.06	1.88	1.02	1.68
20	4.06	1.03	3.70	1.00	3.38	0.97	3.07	0.94	2.79
30	3.44	1.16	3.13	1.12	2.85	1.09	2.58	1.05	2.34
40	2.84	1.28	2.58	1.24	2.33	1.19	2.11	1.15	1.90
20	5.27	1.49	4.81	1.44	4.39	1.40	3.99	1.36	3.62
30	4.50	1.64	4.10	1.59	3.73	1.54	3.38	1.49	3.06
40	3.73	1.80	3.38	1.74	3.06	1.68	2.77	1.62	2.49
20	7.21	1.85	6.58	1.80	5.99	1.75	5.44	1.70	4.93
30	6.05	2.08	5.50	2.01	4.99	1.94	4.52	1.87	4.07
40	4.90	2.27	4.44	2.19	4.00	2.10	3.60	2.01	3.22
20	10.53	2.97	9.62	2.89	8.77	2.80	7.98	2.72	7.24
30	9.00	3.29	8.20	3.18	7.46	3.08	6.76	2.98	6.12
40	7.46	3.61	6.77	3.48	6.13	3.36	5.53	3.25	4.98

MPG35% – Monopropyleneglycol 35%

T_bⁱⁿ – Brine inlet temperature, °C

Q_o – Cooling capacity, kW

T_b^{out} – Brine outlet temperature, °C

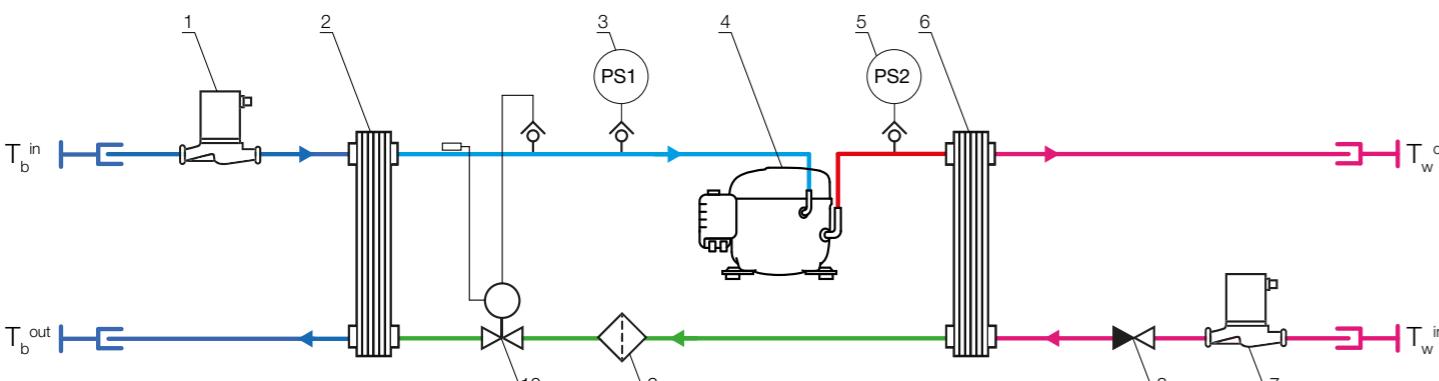
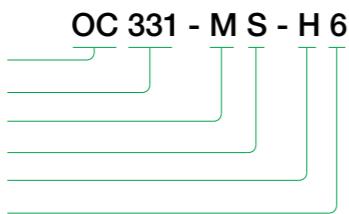
P – Power consumption, kW

T_wⁱⁿ – Water inlet temperature, °C

OGT – Operation with heat transformer

T_w^{out} – Water outlet temperature, °C

OC – Chiller
331
M – Medium
S – Standard
H – Hermetic reciprocating
6 – Cooling capacity [kW]*10



Models	Brine flow	Maximum operating current	Starting current	Sound pressure level	Brine pipes	Water pipes	Length	Width	Height	Net weight	Refrigerant charge
	m³/h	A	A	dB(A)	inch	inch	mm	mm	mm	kg	g
OC331-MS-H6	0.15	2.9	11.4	18	3/4	G3/4	796	340	364	35.6	300
OC331-MS-H13	0.32	5.9	19.4	25	3/4	G3/4	796	340	364	37.0	300
OC331-MS-H15	0.38	5.3	19.3	25	3/4	G3/4	796	340	364	37.8	300
OC331-MS-H18	0.45	6.7	22.6	22	3/4	G3/4	796	340	364	52.5	400
OC331-MS-H29	0.73	11.3	33.0	25	3/4	G3/4	796	340	364	53.9	400
OC331-MS-H32	0.80	12.7	39.0	25	3/4	G3/4	796	340	364	54.0	400
OC331-MS-H41	1.04	15.2	45.0	29	3/4	G3/4	796	340	364	54.0	400
OC331-MS-H56	1.60	2 x 12.7	2 x 39.0	29	3/4	G3/4	1190	340	364	80.2	2 x 400
OC331-MS-H82	2.07	2 x 15.2	2 x 45.0	29	3/4	G3/4	1190	340	364	80.2	2 x 400

Compressor Hermetic reciprocating

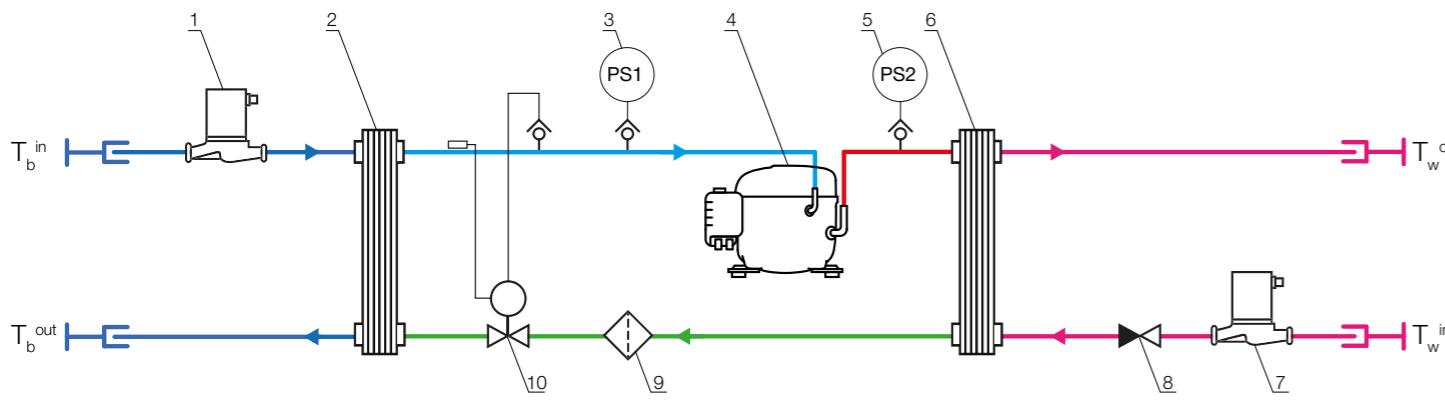
Power supply -1~230V-50Hz



Models	$T_b^{\text{in}} / T_b^{\text{out}}, ^\circ\text{C}$	MPG35%	+12/+8		+8/+4		+6/+2		+4/0		+2/-2		0/-4		-2/-6		-4/-8		
			Evaporation temperature, ^\circ\text{C}		+2		0		-2		-4		-6		-8		-10		-12
OC331-MS-H6	20	0.78	0.26	0.73	0.26	0.67	0.25	0.61	0.24	0.55	0.24	0.49	0.24	0.44	0.23	0.39	0.23	0.23	0.23
OC331-MS-H13	30	0.67	0.29	0.62	0.29	0.57	0.28	0.52	0.27	0.47	0.26	0.42	0.25	0.37	0.25	0.33	0.24	0GT	0GT
	40	0.56	0.32	0.52	0.32	0.48	0.31	0.43	0.29	0.38	0.28	0.34	0.27	0.30	0.26	0.27	0.25		
	20	1.63	0.50	1.52	0.49	1.41	0.48	1.29	0.46	1.17	0.45	1.06	0.44	0.95	0.43	0.86	0.42		
OC331-MS-H15	30	1.39	0.57	1.30	0.55	1.20	0.54	1.10	0.51	0.99	0.50	0.89	0.49	0.81	0.47	0.72	0.46	0GT	0GT
	40	1.15	0.63	1.07	0.62	0.99	0.60	0.90	0.57	0.81	0.55	0.73	0.53	0.66	0.51	0.59	0.50		
	20	1.89	0.59	1.77	0.58	1.64	0.57	1.50	0.55	1.36	0.54	1.23	0.53	1.11	0.52	1.00	0.51		
OC331-MS-H18	30	1.63	0.66	1.52	0.65	1.41	0.63	1.28	0.60	1.16	0.59	1.05	0.58	0.95	0.56	0.85	0.55	0GT	0GT
	40	1.37	0.73	1.27	0.71	1.18	0.69	1.07	0.66	0.97	0.64	0.87	0.62	0.78	0.60	0.70	0.58		
	20	2.32	0.68	2.16	0.66	1.99	0.65	1.81	0.62	1.63	0.61	1.46	0.60	1.31	0.58	1.17	0.57		
OC331-MS-H29	30	1.94	0.76	1.80	0.74	1.67	0.72	1.51	0.69	1.36	0.67	1.21	0.65	1.08	0.63	0.97	0.60	0GT	0GT
	40	1.57	0.85	1.45	0.82	1.34	0.79	1.21	0.75	1.08	0.72	0.97	0.70	0.86	0.67	0.76	0.64		
	20	3.77	0.99	3.51	0.97	3.24	0.95	2.93	0.90	2.63	0.88	2.36	0.86	2.10	0.83	1.87	0.81		
OC331-MS-H32	30	3.15	1.12	2.92	1.09	2.69	1.05	2.43	1.00	2.17	0.96	1.94	0.93	1.72	0.89	1.53	0.86	0GT	0GT
	40	2.52	1.25	2.33	1.21	2.14	1.16	1.93	1.09	1.71	1.05	1.52	1.00	1.34	0.96	1.18	0.91		
	20	4.09	1.11	3.80	1.08	3.52	1.06	3.20	1.01	2.88	0.98	2.60	0.96	2.33	0.93	2.09	0.90		
OC331-MS-H41	30	3.43	1.25	3.19	1.21	2.95	1.18	2.68	1.12	2.41	1.08	2.16	1.05	1.93	1.01	1.73	0.97	0GT	0GT
	40	2.78	1.40	2.58	1.35	2.38	1.30	2.15	1.23	1.93	1.18	1.72	1.13	1.53	1.09	1.36	1.04		
	20	5.30	1.62	4.93	1.58	4.56	1.54	4.14	1.47	3.74	1.43	3.36	1.39	3.02	1.35	2.70	1.31		
OC331-MS-H56	30	4.48	1.79	4.16	1.74	3.84	1.68	3.48	1.60	3.13	1.55	2.81	1.50	2.51	1.45	2.24	1.39	0GT	0GT
	40	3.66	1.96	3.40	1.90	3.13	1.83	2.82	1.73	2.52	1.67	2.25	1.60	2.00	1.54	1.77	1.47		
	20	7.28	1.99	6.77	1.94	6.26	1.90	5.68	1.81	5.12	1.77	4.60	1.72	4.12	1.68	3.68	1.63		
OC331-MS-H82	30	6.07	2.24	5.63	2.17	5.19	2.10	4.70	1.98	4.21	1.92	3.77	1.85	3.35	1.78	2.98	1.70	0GT	

OC – Chiller
331
 M – Medium
 S – Standard
 H – Hermetic reciprocating
 6 – Cooling capacity [kW]*10

OC 331 - M S - H 6



- 1 - Pump with frequency inverter
- 2 - Plate evaporator
- 3 - Low pressure switch with fixed settings (mini pressure switch)
- 4 - Compressor
- 5 - High pressure switch with fixed settings (mini pressure switch)

- 6 - Water cooled condenser
- 7 - Pump with frequency inverter
- 8 - Check valve
- 9 - Filter drier
- 10 - Capillary pipe / Thermostatic expansion valve

Models	Brine flow	Maximum operating current	Starting current	Sound pressure level	Brine pipes	Water pipes	Length	Width	Heigth	Net weight	Refrigerant charge
	m³/h	A	A	dB(A)	inch	inch	mm	mm	mm	kg	g
OC331-MS-H6	0.15	2.9	11.4	18	3/4	G3/4	796	340	364	35.6	300
OC331-MS-H13	0.32	5.9	19.4	25	3/4	G3/4	796	340	364	37.0	300
OC331-MS-H15	0.38	5.3	19.3	25	3/4	G3/4	796	340	364	37.8	300
OC331-MS-H18	0.45	6.7	22.6	22	3/4	G3/4	796	340	364	52.5	400
OC331-MS-H29	0.73	11.3	33.0	25	3/4	G3/4	796	340	364	53.9	400
OC331-MS-H32	0.80	12.7	39.0	25	3/4	G3/4	796	340	364	54.0	400
OC331-MS-H41	1.04	15.2	45.0	29	3/4	G3/4	796	340	364	54.0	400
OC331-MS-H56	1.60	2 x 12.7	2 x 39.0	29	3/4	G3/4	1190	340	364	80.2	2 x 400
OC331-MS-H82	2.07	2 x 15.2	2 x 45.0	29	3/4	G3/4	1190	340	364	80.2	2 x 400

Compressor Hermetic reciprocating

Power supply -1-230V-50Hz



T _b ⁱⁿ / T _b ^{ext} , °C	MPG35%	+12/+8	+8/+4	+6/+2	+4/0	+2/-2	0/-4	-2/-6	-4/-8
Evaporation temperature, °C		+2	0	-2	-4	-6	-8	-10	-12
Models	T _w ⁱⁿ , °C	Q _o , kW	P, kW						
OC331-MS-H6	20	0.82	0.26	0.76	0.26	0.71	0.25	0.65	0.24
	30	0.69	0.30	0.65	0.29	0.60	0.28	0.55	0.27
	40	0.57	0.33	0.53	0.32	0.49	0.32	0.45	0.30
OC331-MS-H13	20	1.71	0.53	1.61	0.51	1.50	0.50	1.37	0.48
	30	1.45	0.59	1.36	0.58	1.27	0.57	1.16	0.54
	40	1.19	0.66	1.11	0.64	1.04	0.63	0.95	0.60
OC331-MS-H15	20	1.99	0.62	1.86	0.61	1.74	0.60	1.60	0.58
	30	1.70	0.69	1.59	0.68	1.49	0.66	1.36	0.64
	40	1.41	0.76	1.32	0.75	1.23	0.73	1.13	0.69
OC331-MS-H18	20	2.43	0.71	2.27	0.70	2.11	0.68	1.93	0.65
	30	2.02	0.80	1.89	0.78	1.76	0.76	1.60	0.72
	40	1.62	0.89	1.51	0.86	1.40	0.83	1.28	0.79
OC331-MS-H29	20	3.96	1.04	3.70	1.02	3.43	0.99	3.13	0.95
	30	3.28	1.18	3.06	1.14	2.83	1.11	2.58	1.05
	40	2.60	1.31	2.42	1.26	2.24	1.22	2.03	1.15
OC331-MS-H32	20	4.29	1.16	4.01	1.14	3.73	1.11	3.41	1.06
	30	3.58	1.31	3.35	1.27	3.11	1.24	2.84	1.18
	40	2.87	1.46	2.68	1.41	2.49	1.36	2.27	1.29
OC331-MS-H41	20	5.56	1.70	5.20	1.66	4.84	1.61	4.42	1.54
	30	4.67	1.87	4.36	1.82	4.06	1.77	3.70	1.68
	40	3.78	2.05	3.52	1.99	3.27	1.92	2.98	1.82
OC331-MS-H56	20	7.65	2.09	7.15	2.04	6.65	1.99	6.06	1.91
	30	6.32	2.35	5.90	2.27	5.48	2.20	4.99	2.09
	40	5.00	2.60	4.66	2.51	4.31	2.41	3.91	2.27
OC331-MS-H82	20	11.11	3.39	10.40	3.31	9.68	3.23	8.84	3.08
	30	9.33	3.74	8.72	3.64	8.11	3.54	7.40	3.37
	40	7.56	4.10	7.05	3.97	6.54	3.85	5.95	3.65

MPG35% – Monopropyleneglycol 35%

T_bⁱⁿ – Brine inlet temperature, °C

Q_o – Cooling capacity, kW

T_b^{out} – Brine outlet temperature, °C

P – Power consumption, kW

T_wⁱⁿ – Water inlet temperature, °C

OGT – Operation with heat transformer

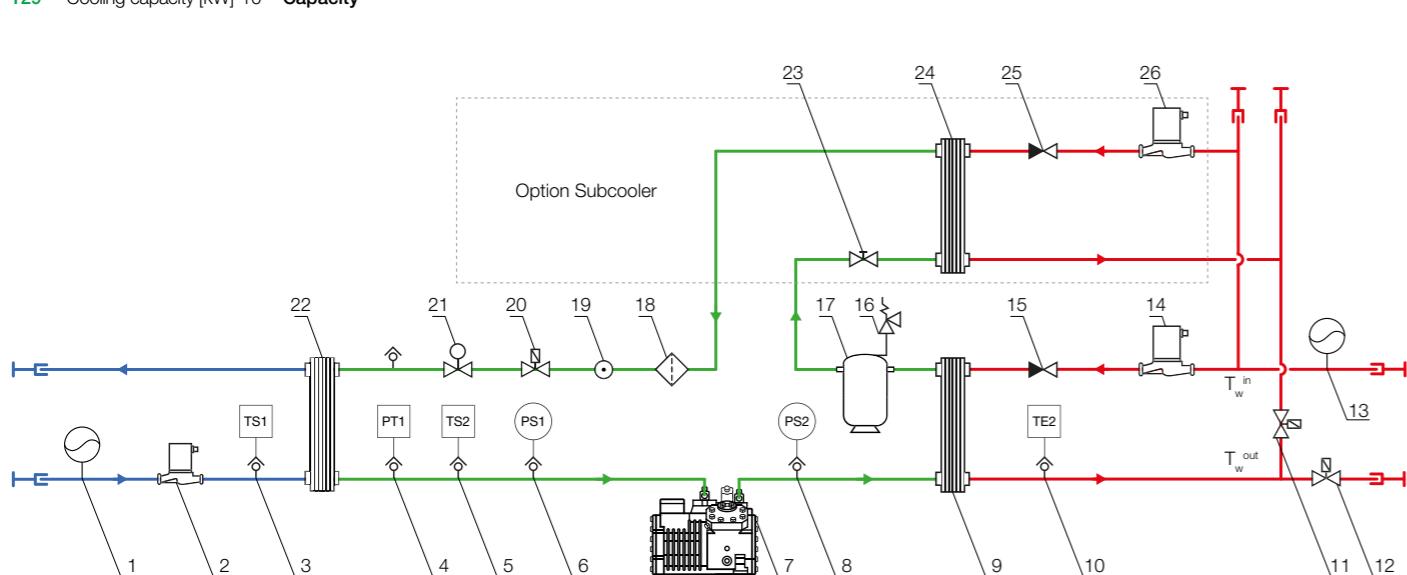
T_w^{out} – Water outlet temperature, °C

R513A Heat-transformer

OC – Chiller
341 – Model range
H – High temperature
S – Standard
E – Semi-hermetic reciprocating
129 – Cooling capacity [kW]*10

Type of unit
Model range
Temperature range
Climatic execution
Compressor type
Capacity

OC 341 - H S - E 129



1 - Expansion vessel
2 - Circulating pump
3 - Temperature sensor
4 - Pressure sensor for EEV
5 - Temperature sensor for EEV
6 - Low pressure switch
7 - Compressor
8 - High pressure switch

9 - Water cooled condenser
10 - Temperature sensor
11 - Solenoid valve for dry cooler
12 - Solenoid valve for heating loop
13 - Expansion vessel
14 - Circulating pump
15 - Check valve

16 - Safety valve
17 - Liquid receiver
18 - Filter drier
19 - Sight glass with moisture indicator
20 - Solenoid valve
21 - Electronic expansion valve
22 - Plate evaporator

Option Subcooler
23 - Outlet shut-off valve
24 - Subcooler
25 - Check valve
26 - Circulating pump

Models	Hot water flow	Coolant flow	Oil charge	Max. operating current	Starting current	Receiver volume	Expansion vessel 1	Expansion vessel 13	Sound pressure level	Chilled loop	Heating loop	Dry Cooler loop	Length	Width	Height	Net weight	Refrigerant charge
	m³/h	m³/h	l.	A	A	l.	l.	l.	dB (A)	inch	inch	inch	mm	mm	mm	kg	kg
OC341-HS-E129	2.82	2.30	1.0	6.1	25.5	13.0	12.0	12.0	50	G2	G2	G2	1365	835	1580	700	13
OC341-HS-E258	5.57	4.64	2.0	10.8	62.2	13.0	12.0	12.0	50	G2	G2	G2	1365	835	1580	750	13
OC341-HS-E323	7.00	5.80	2.0	13.6	62.2	13.0	12.0	12.0	50	G2	G2	G2	1365	835	1580	800	13
OC341-HS-E390	8.40	6.98	2.0	16.5	82.4	13.0	12.0	12.0	50	G2	G2	G2	1365	835	1580	850	13
OC341-HS-E477	10.29	8.57	2.0	20.2	82.4	13.0	12.0	12.0	50	G2	G2	G2	1365	835	1580	900	13
OC341-HS-E559	11.94	10.06	2.6	28.2	81.0 / 132.0	20.0	12.0	24.0	52	G3	G3	G3	1800	835	1900	1000	20
OC341-HS-E661	14.14	11.89	2.6	33.2	97.0 / 158.0	20.0	12.0	24.0	52	G3	G3	G3	1800	835	1900	1100	20
OC341-HS-E780	16.80	13.97	4.0	2 x 16.5	2 x 82.4	25.0	24.0	35.0	53	G3	G3	G3	2200	835	1900	1200	25
OC341-HS-E954	20.58	17.14	4.0	2 x 20.2	2 x 82.4	25.0	24.0	35.0	53	G3	G3	G3	2200	835	1900	1300	25
OC341-HS-E1118	23.88	20.11	5.2	2 x 28.2	2 x 81.0 / 2 x 132.0	25.0	35.0	50.0	55	G3	G3	G3	2200	835	1900	1500	25
OC341-HS-E1322	28.28	23.78	5.2	2 x 33.2	2 x 92.0 / 2 x 158.0	25.0	35.0	50.0	55	G3	G3	G3	2200	835	1900	1600	25

Compressor Semi-hermetic reciprocating

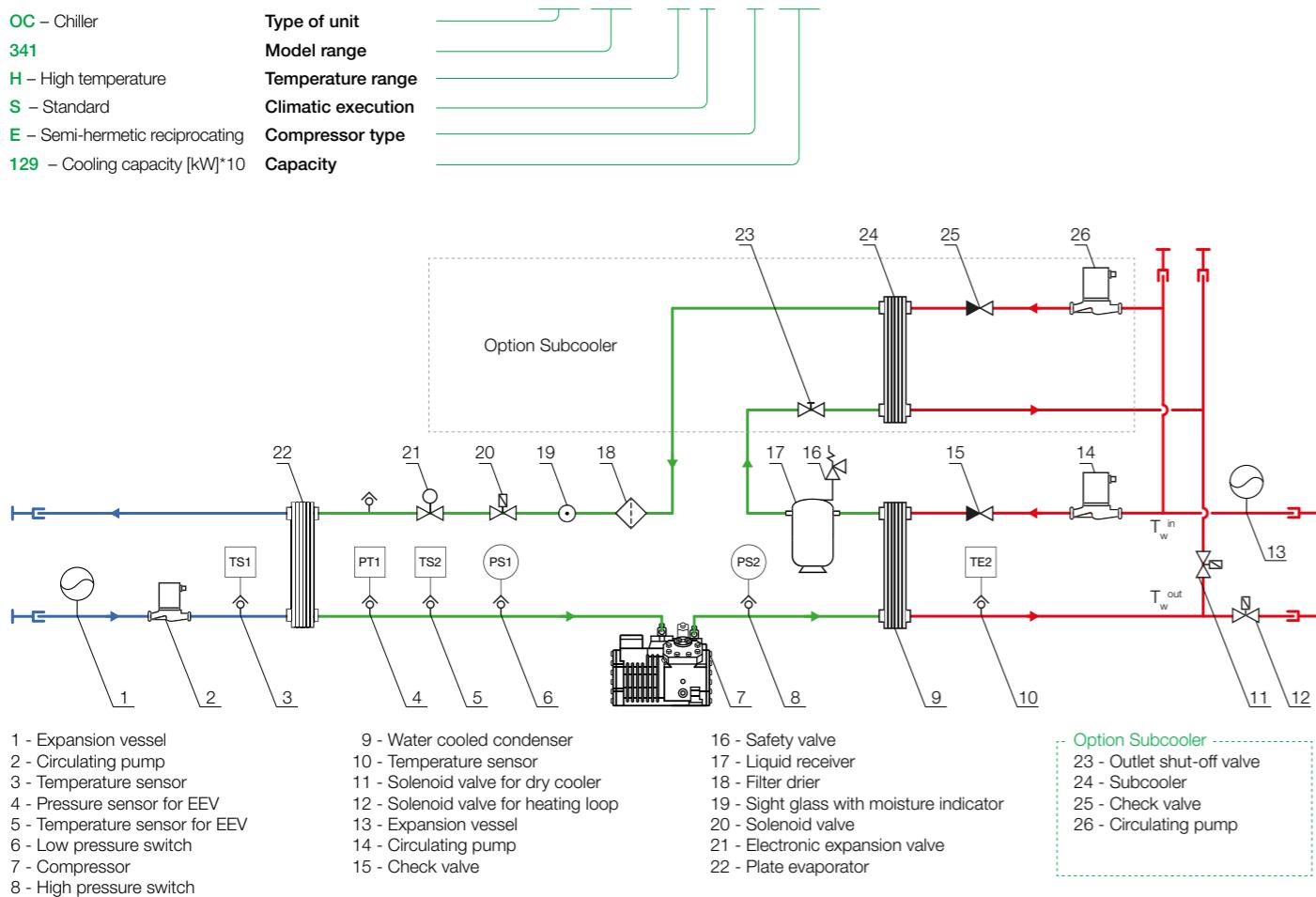
Power supply ~380V-50Hz



T _w ⁱⁿ / T _w ^{out} , °C	30 / 35 °C				35 / 40 °C				40 / 45 °C				45 / 50 °C			
	Q ₀	Q _{osc}	P	Q _c	Q ₀	Q _{osc}	P	Q _c	Q ₀	Q _{osc}	P	Q _c	Q ₀	Q _{osc}	P	Q _c
OC341-HS-E129	15.14	15.45	2.87	18.01	14.04	15.10	3.13	17.17	12.98	14.79	3.38	16.36	11.62	14.49	3.62	15.24
OC341-HS-E258	30.54	31.16	5.20	35.74	28.34	30.50	5.71	34.05	26.15	29.81	6.18	32.33	23.94	29.06	10.07	34.02
OC341-HS-E323	37.93	38.63	6.54	44.47	35.32	37.93	7.26	42.58	32.71	37.24	7.92	40.63	30.14	36.54	8.53	38.66
OC341-HS-E390	45.94	46.81	7.74	53.68	42.63	45.94	8.53	51.16	39.50	45.07	9.26	48.75	36.19	44.02	9.92	46.11
OC341-HS-E477	56.03	57.25	9.45	65.48	52.20	56.20	10.44	62.64	48.37	55.16	11.38	59.75	44.54	53.94	12.27	56.81
OC341-HS-E559	66.08	67.34	10.40	76.48	61.46	66.08	11.56	73.02	56.70	64.68	12.63	69.33	52.08	63.14	12.74	64.82
OC341-HS-E661	77.70	79.38	12.33	90.03	72.38	77.98	13.73	86.11	67.06	76.44	15.04	82.10	61.74	74.90	16.21	77.95
OC341-HS-E780	91.87	93.61	15.49	107.36	85.26	91.87	17.05	102.31	79.00	90.13	18.51	97.51	72.38	88.04	19.84	92.22
OC341-HS-E954	112.06	114.49	18.90	130.95	104.40	112.40	20.88	125.28	96.74	110.32	22.76	119.50	89.09	107.88	24.53	113.62
OC341-HS-E1118	132.16	134.68	20.80	152.96	122.92	132.16	23.13	146.05	113.40	129.36	25.26	138.66	104.16	126.28	25.48	129.64
OC341-HS-E1322	155.40	158.76	24.67	180.07	144.76	155.96	27.47	172.23	134.12	152.88	30.07	164.19	123.48	149.80	32.42	155.90

T _w ⁱⁿ / T _w ^{out} , °C	50 / 55 °C				55 / 60 °C				60 / 65 °C				65 / 70 °C			
	Q ₀	Q _{osc}	P	Q _c	Q ₀	Q _{osc}	P	Q _c	Q ₀	Q _{osc}	P	Q _c	Q ₀	Q _{osc}	P	Q _c
OC341-HS-E129	10.93	14.22	3.85	14.77	9.94	13.94	4.07	14.01	8.84	13.75	4.28	13.12	7.83	13.50	4.48	12.31
OC341-HS-E258	21.75	28.28	6.96	28.71	19.54	27.44	7.27	26.81	17.09	26.54	7.52	24.61</				

R450A Heat-transformer



Models	Hot water flow	Coolant flow	Oil charge	Max. operating current	Starting current	Receiver volume	Expansion vessel 1	Expansion vessel 13	Sound pressure level	Chilled loop	Heating loop	Dry Cooler loop	Length	Width	Height	Net weight	Refrigerant charge
	m³/h	m³/h	l.	A	A	l.	l.	l.	dB (A)	inch	inch	inch	mm	mm	mm	kg	kg
OC341-HS-E129	2.82	2.30	1.0	6.1	25.5	13.0	12.0	12.0	50	G2	G2	G2	1365	835	1580	700	13
OC341-HS-E258	5.57	4.64	2.0	10.8	62.2	13.0	12.0	12.0	50	G2	G2	G2	1365	835	1580	750	13
OC341-HS-E323	7.00	5.80	2.0	13.6	62.2	13.0	12.0	12.0	50	G2	G2	G2	1365	835	1580	800	13
OC341-HS-E390	8.40	6.98	2.0	16.5	82.4	13.0	12.0	12.0	50	G2	G2	G2	1365	835	1580	850	13
OC341-HS-E477	10.29	8.57	2.0	20.2	82.4	13.0	12.0	12.0	50	G2	G2	G2	1365	835	1580	900	13
OC341-HS-E559	11.94	10.06	2.6	28.2	81.0 / 132.0	20.0	12.0	24.0	52	G3	G3	G3	1800	835	1900	1000	20
OC341-HS-E661	14.14	11.89	2.6	33.2	97.0 / 158.0	20.0	12.0	24.0	52	G3	G3	G3	1800	835	1900	1100	20
OC341-HS-E780	16.80	13.97	4.0	2 x 16.5	2 x 82.4	25.0	24.0	35.0	53	G3	G3	G3	2200	835	1900	1200	25
OC341-HS-E954	20.58	17.14	4.0	2 x 20.2	2 x 82.4	25.0	24.0	35.0	53	G3	G3	G3	2200	835	1900	1300	25
OC341-HS-E1118	23.88	20.11	5.2	2 x 28.2	2 x 81.0 / 2 x 132.0	25.0	35.0	50.0	55	G3	G3	G3	2200	835	1900	1500	25
OC341-HS-E1322	28.28	23.78	5.2	2 x 33.2	2 x 92.0 / 2 x 158.0	25.0	35.0	50.0	55	G3	G3	G3	2200	835	1900	1600	25

Compressor Semi-hermetic reciprocating

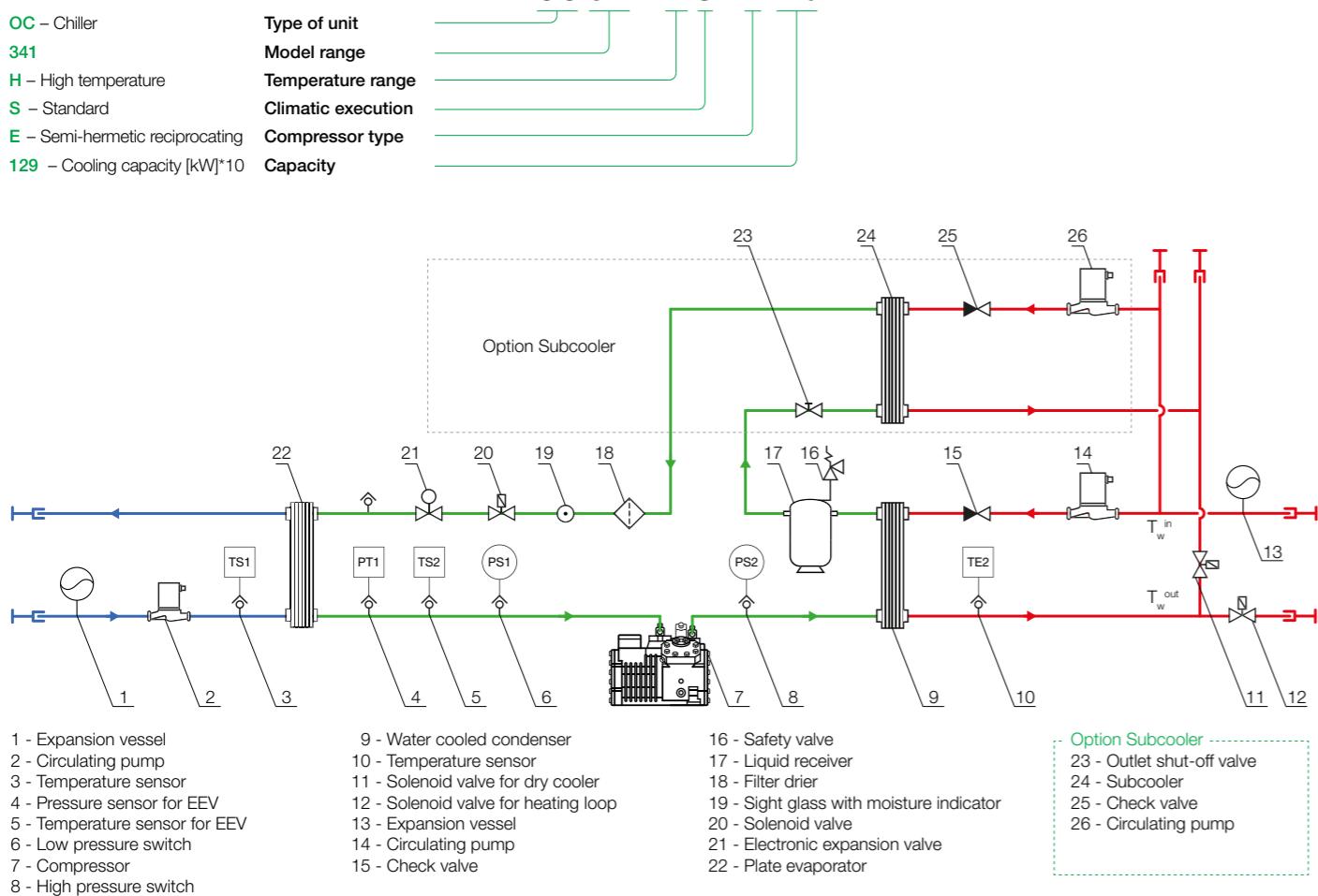
Power supply ~380V-50Hz



$T_w^{\text{in}} / T_w^{\text{out}}, ^\circ\text{C}$	30 / 35 °C				35 / 40 °C				40 / 45 °C				45 / 50 °C			
	Q_0	Q_{osc}	P	Q_c												
OC341-HS-E129	12.89	13.14	2.44	15.33	12.02	12.84	2.68	14.70	11.17	12.56	2.89	14.06	10.37	12.30	3.10	13.47
OC341-HS-E258	25.98	26.47	4.42	30.40	24.22	25.87	4.85	29.08	22.46	25.25	5.27	27.74	20.72	24.60	5.64	26.36
OC341-HS-E323	32.28	32.87	5.53	37.81	30.21	32.28	6.14	36.35	28.17	31.67	6.72	34.89	26.13	31.02	7.24	33.37
OC341-HS-E390	39.15	39.85	6.56	45.71	36.54	38.98	7.24	43.78	33.93	38.11	7.86	41.79	31.39	37.24	8.46	39.85
OC341-HS-E477	47.68	48.55	7.99	55.66	44.72	47.68	8.84	53.56	41.59	46.81	9.66	51.24	38.45	45.76	10.41	48.86
OC341-HS-E559	56.14	57.26	8.92	65.06	52.50	56.00	9.91	62.41	48.72	54.74	10.81	59.53	45.08	53.48	11.62	56.70
OC341-HS-E661	66.22	67.34	10.57	76.79	61.88	66.08	11.75	73.63	57.68	64.82	12.85	70.53	53.48	63.42	13.79	67.27
OC341-HS-E780	78.30	79.69	13.12	91.42	73.08	77.95	14.48	87.56	67.86	76.21	15.73	83.59	62.78	74.47	16.91	79.69
OC341-HS-E954	95.35	97.09	15.97	111.33	89.44	95.35	17.68	107.11	83.17	93.61	19.31	102.49	76.91	91.52	20.81	97.72
OC341-HS-E1118	112.28	114.52	17.84	130.12	105.00	112.00	19.82	124.82	97.44	109.48	21.62	119.06	90.16	106.96	23.24	113.40
OC341-HS-E1322	132.44	134.68	21.14	153.58	123.76	132.16	23.49	147.25	115.36	129.64	25.70	141.06	106.96	126.84	27.58	134.54

$T_w^{\text{in}} / T_w^{\text{out}}, ^\circ\text{C}$	50 / 55 °C				55 / 60 °C				60 / 65 °C				65 / 70 °C			
	Q_0	Q_{osc}	P	Q_c												
OC341-HS-E129	9.57	12.06	3.29	12.86	8.80	11.81	3.48	12.28	8.06	11.56	3.64	11.70	7.32	11.34	3.82	11.14
OC341-HS-E258	18.98	23.91	5.95	24.93	17.26	23.16	6.23	23.49	15.58	22.31	6.40	21.98	13.89	21.51	6.60	20.49
OC341-HS-E323	24.13	30.38	7.73	31.86	22.13	29.70	8.18	30.31	20.17	28.90	8.59	28.76	18.20	28.19	8.99	27.19
OC341-HS-E390	28.85</td															

R134a Heat-transformer



Models	Hot water flow	Coolant flow	Oil charge	Max. operating current	Starting current	Receiver volume	Expansion vessel 1	Expansion vessel 13	Sound pressure level	Chilled loop	Heating loop	Dry Cooler loop	Length	Width	Height	Net weight	Refrigerant charge
	m³/h	m³/h	l.	A	A	l.	l.	l.	dB (A)	inch	inch	inch	mm	mm	mm	kg	kg
OC341-HS-E129	2.82	2.30	1.0	6.1	25.5	13.0	12.0	12.0	50	G2	G2	G2	1365	835	1580	700	13
OC341-HS-E258	5.57	4.64	2.0	10.8	62.2	13.0	12.0	12.0	50	G2	G2	G2	1365	835	1580	750	13
OC341-HS-E323	7.00	5.80	2.0	13.6	62.2	13.0	12.0	12.0	50	G2	G2	G2	1365	835	1580	800	13
OC341-HS-E390	8.40	6.98	2.0	16.5	82.4	13.0	12.0	12.0	50	G2	G2	G2	1365	835	1580	850	13
OC341-HS-E477	10.29	8.57	2.0	20.2	82.4	13.0	12.0	12.0	50	G2	G2	G2	1365	835	1580	900	13
OC341-HS-E559	11.94	10.06	2.6	28.2	81.0 / 132.0	20.0	12.0	24.0	52	G3	G3	G3	1800	835	1900	1000	20
OC341-HS-E661	14.14	11.89	2.6	33.2	97.0 / 158.0	20.0	12.0	24.0	52	G3	G3	G3	1800	835	1900	1100	20
OC341-HS-E780	16.80	13.97	4.0	2 x 16.5	2 x 82.4	25.0	24.0	35.0	53	G3	G3	G3	2200	835	1900	1200	25
OC341-HS-E954	20.58	17.14	4.0	2 x 20.2	2 x 82.4	25.0	24.0	35.0	53	G3	G3	G3	2200	835	1900	1300	25
OC341-HS-E1118	23.88	20.11	5.2	2 x 28.2	2 x 81.0 / 2 x 132.0	25.0	35.0	50.0	55	G3	G3	G3	2200	835	1900	1500	25
OC341-HS-E1322	28.28	23.78	5.2	2 x 33.2	2 x 92.0 / 2 x 158.0	25.0	35.0	50.0	55	G3	G3	G3	2200	835	1900	1600	25

Compressor Semi-hermetic reciprocating

Power supply ~380V-50Hz

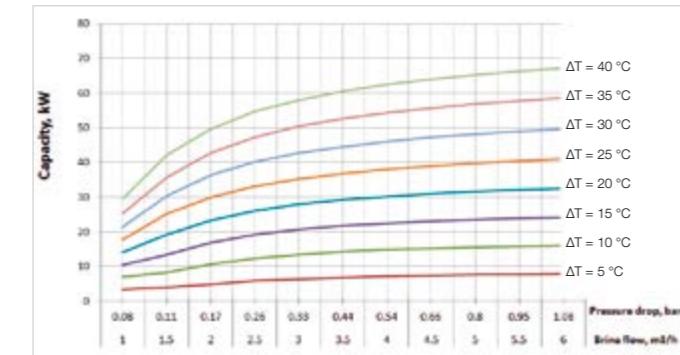


T _w ⁱⁿ / T _w ^{out} , °C	30 / 35 °C				35 / 40 °C				40 / 45 °C				45 / 50 °C			
	Q ₀	Q _{osc}	P	Q _c	Q ₀	Q _{osc}	P	Q _c	Q ₀	Q _{sc}	P	Q _c	Q ₀	Q _{osc}	P	Q _c
OC341-HS-E129	14.76	15.02	2.75	17.50	13.76	14.69	2.99	16.76	12.81	14.37	3.24	16.04	11.88	14.08	3.46	15.35
OC341-HS-E258	29.72	30.26	4.99	34.71	27.74	29.60	5.48	33.22	25.75	28.88	5.92	31.67	23.79	28.15	6.32	30.10
OC341-HS-E323	36.89	37.58	6.28	43.17	34.57	36.89	6.96	41.53	32.28	36.19	7.59	39.86	30.00	35.50	8.18	38.18
OC341-HS-E390	44.72	45.41	7.43	52.15	41.76	44.54	8.18	49.94	38.98	43.67	8.87	47.85	36.02	42.63	9.52	45.54
OC341-HS-E477	54.64	55.51	9.07	63.70	51.16	54.46	10.02	61.18	47.68	53.42	10.93	58.60	44.20	52.37	11.76	55.96
OC341-HS-E559	64.26	65.38	9.98	74.24	60.06	64.12	11.09	71.15	55.86	62.72	12.11	67.97	51.66	61.18	13.02	64.68
OC341-HS-E661	75.74	77.00	11.82	87.56	70.84	75.60	13.17	84.01	66.08	74.20	14.41	80.49	61.32	72.66	15.55	76.87
OC341-HS-E780	89.44	90.83	14.86	104.30	83.52	89.09	16.36	99.88	77.95	87.35	17.75	95.70	72.04	85.26	19.04	91.07
OC341-HS-E954	109.27	111.01	18.13	127.40	102.31	108.92	20.04	122.36	95.35	106.84	21.85	117.21	88.39	104.75	23.52	111.92
OC341-HS-E1118	128.52	130.76	19.96	148.48	120.12	128.24	22.18	142.30	111.72	125.44	24.22	135.94	103.32	122.36	26.04	129.36
OC341-HS-E1322	151.48	154.00	23.63	175.11	141.68	151.20	26.35	168.03	132.16	148.40	28.81	160.97	122.64	145.32	31.11	153.75

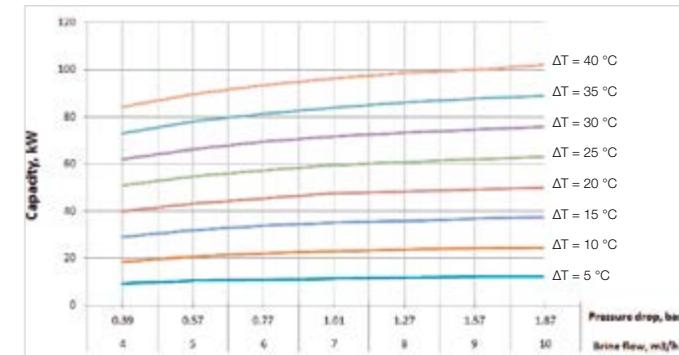
T _w ⁱⁿ / T _w ^{out} , °C	50 / 55 °C				55 / 60 °C				60 / 65 °C				65 / 70 °C			
	Q ₀	Q _{osc}	P	Q _c	Q ₀	Q _{osc}	P	Q _c	Q ₀	Q _{sc}	P	Q _c	Q ₀	Q _{osc}	P	Q _c
OC341-HS-E129	11.00	13.78	3.69	14.69	10.13	13.52	3.90	14.02	9.27	13.27	4.10	13.37	8.42	13.02	4.30	12.72
OC341-HS-E258	21.82	27.37	6.66	28.48	19.87	26.54	6.98	26.85	17.92	25.61	7.20	25.13	15.97	24.69	7.43	23.40
OC341-HS-E323	27.72	34.77	8.73	36.45	25.46	34.00	9.24	34.70	23.19	33.18	9.67	32.87	20.93	32.36	10.11	

Dry Cooler Standard

Models	Fan diameter	Number of fans	Fan type	Air flow	Power consumption	Noise level	Heat exchange surface	Internal volume
Standard	mm			m³/h	kW	dB	m²	l
OH521-150S1E-C21	500	1	EC	7 100	0.5	37	55.8	6.2
OH521-250S1E-C21	500	2	EC	14 100	1.0	40	111.7	12.4
OH521-350S1E-C21	500	3	EC	21 200	1.5	44	167.5	18.6
OH521-163S3E-E21	630	1	EC	9 800	0.7	38	124.1	13.8
OH521-263S3E-E21	630	2	EC	19 600	1.4	41	248.2	27.6
OH521-363S3E-E21	630	3	EC	29 400	2.1	44	372.3	41.4

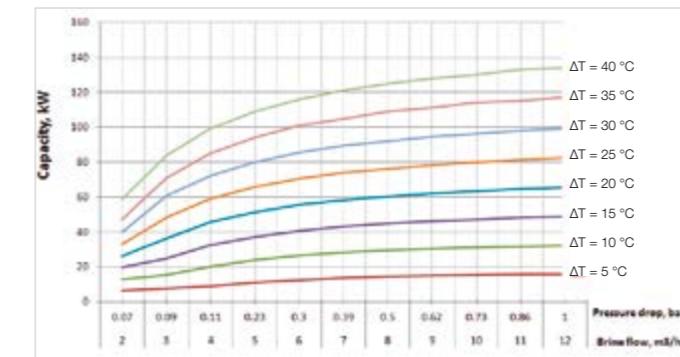


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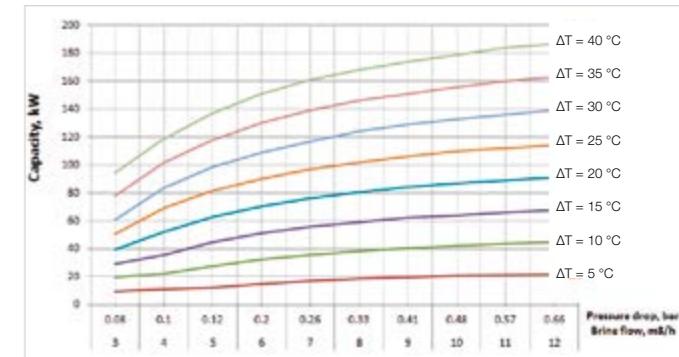


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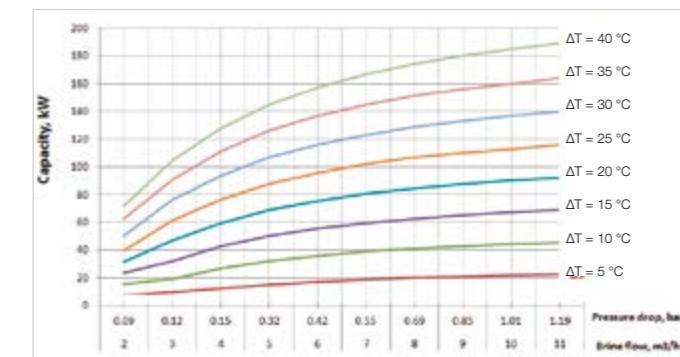
Models	Length	Width	Height	Connections	Net weight
	mm	mm	mm	inch	kg
OH521-150E-C21	1090	940	965	G1"	60
OH521-250E-C21	2000	940	965	G1 1/2"	120
OH521-350E-C21	2900	940	965	G2"	180
OH521-163E-E21	1200	940	1220	G1 1/2"	115
OH521-263E-E21	2200	940	1220	G2"	230
OH521-363E-E21	3200	940	1220	G2"	345



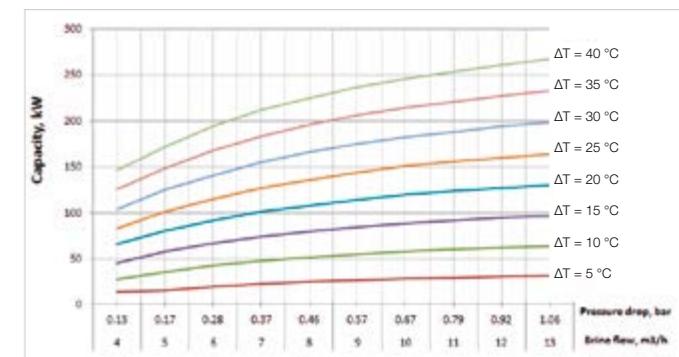
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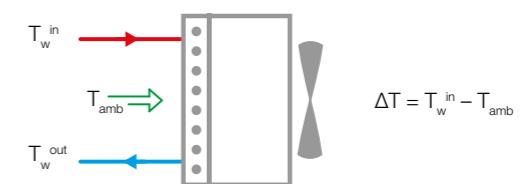
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OH521-350S1E-C21

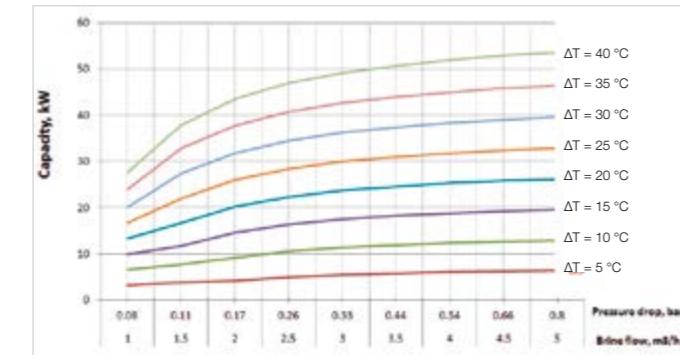


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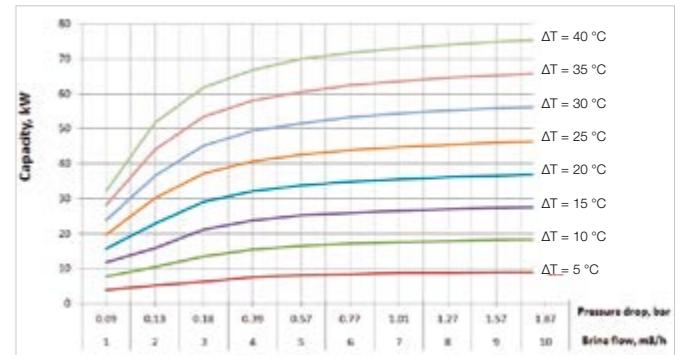


Dry Cooler Quiet

Models	Fan diameter	Number of fans	Fan type	Air flow	Power consumption	Noise level	Heat exchange surface	Internal volume
Quiet	mm			m³/h	kW	dB	m²	l
OH521-150Q1E-C21	500	1	EC	5 200	0.25	30	55.8	6.2
OH521-250Q1E-C21	500	2	EC	10 500	0.50	33	111.7	12.4
OH521-350Q1E-C21	500	3	EC	15 700	0.75	35	167.5	18.6
OH521-163Q1E-E21	630	1	EC	7 300	0.24	29	124.1	13.8
OH521-263Q1E-E21	630	2	EC	12 900	0.48	32	248.2	27.6
OH521-363Q1E-E21	630	3	EC	19 400	0.72	35	372.3	41.4

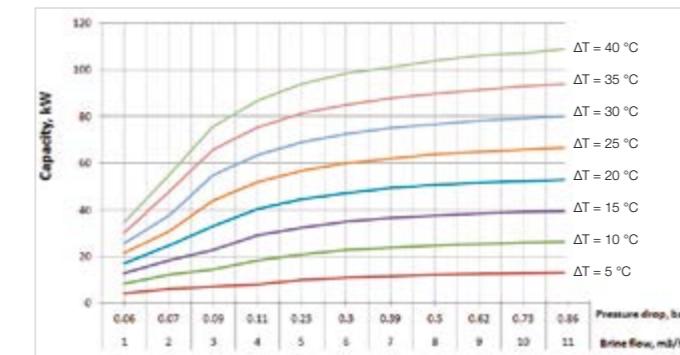


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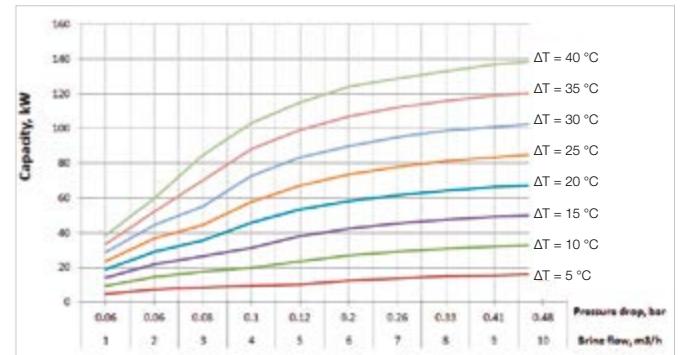


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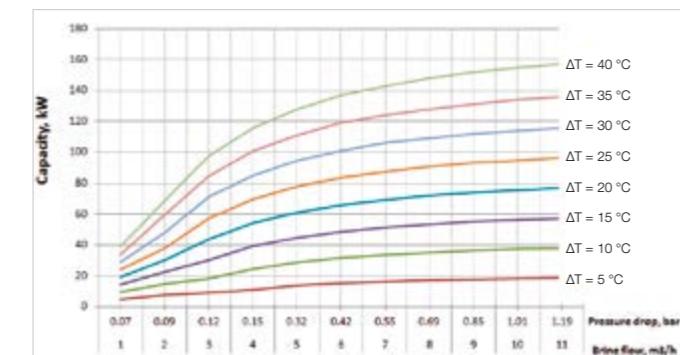
Models	Length	Width	Height	Connections	Net weight
	mm	mm	mm	inch	kg
OH521-150E-C21	1090	940	965	G1"	60
OH521-250E-C21	2000	940	965	G1 1/2"	120
OH521-350E-C21	2900	940	965	G2"	180
OH521-163E-E21	1200	940	1220	G1 1/2"	115
OH521-263E-E21	2200	940	1220	G2"	230
OH521-363E-E21	3200	940	1220	G2"	345



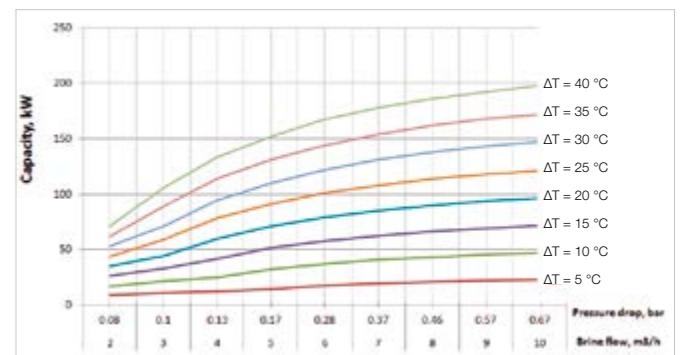
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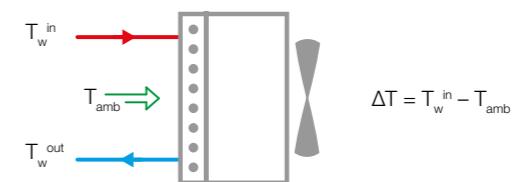
OH521-263Q1E-E21



OH521-350Q1E-C21



OH521-363Q1E-E21



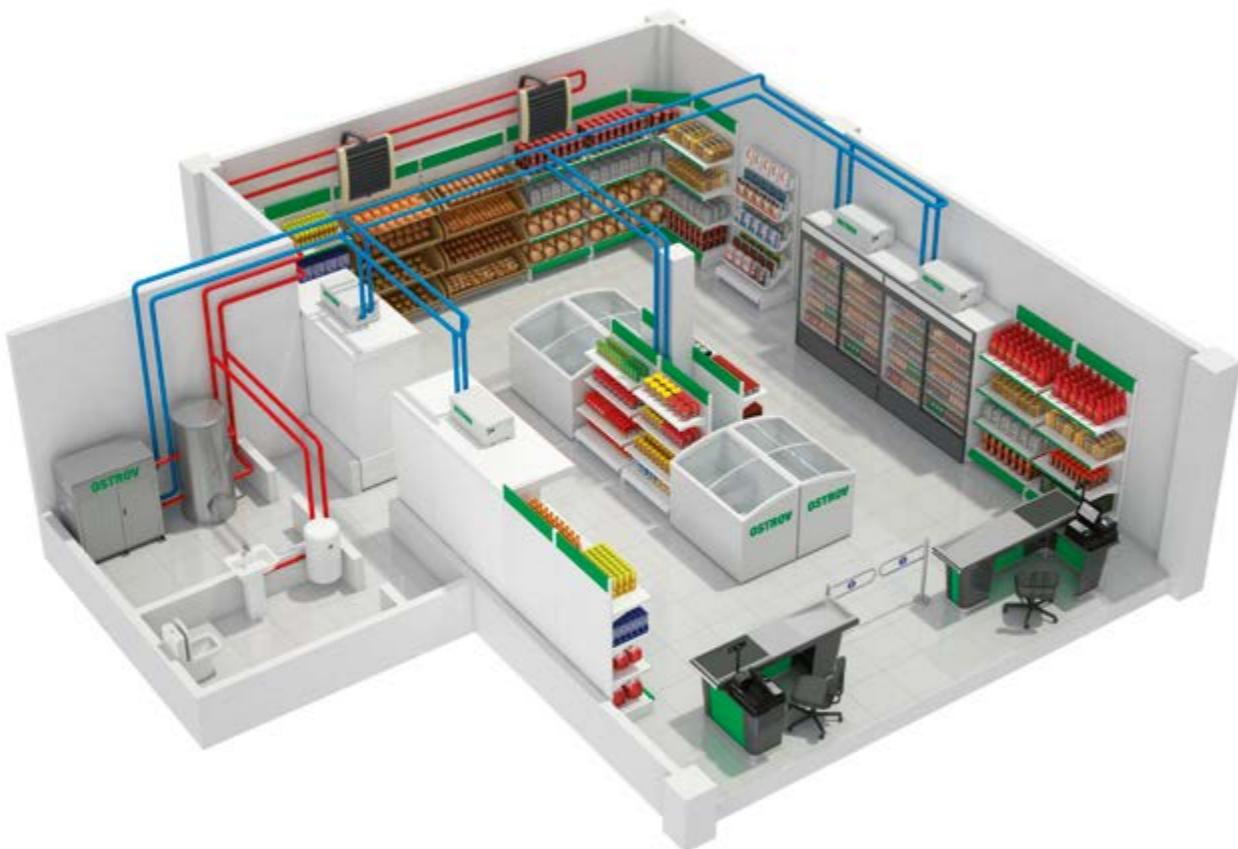
Shop

ostrov.com OSTROV



Petrol Station

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Hotel

ostrov.com OSTROV



Restaurant

ostrov.com OSTROV



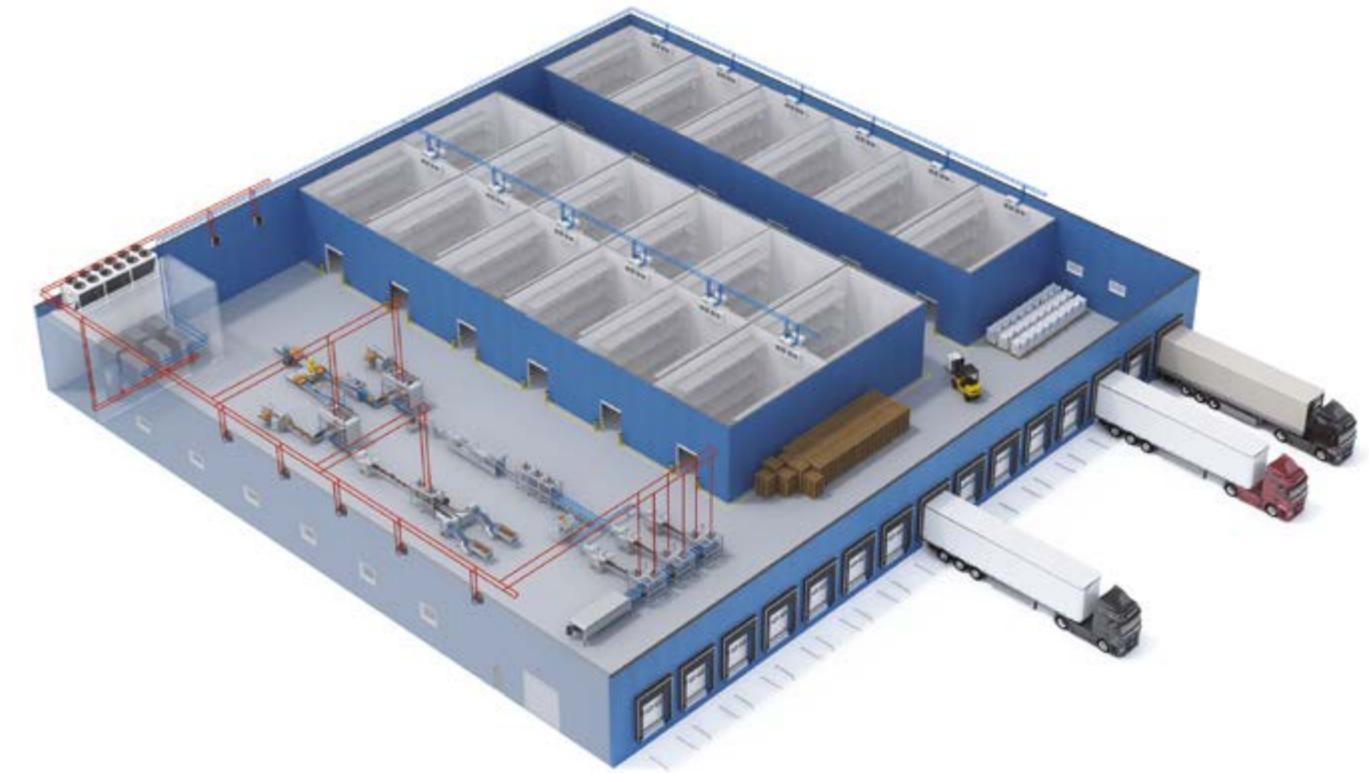
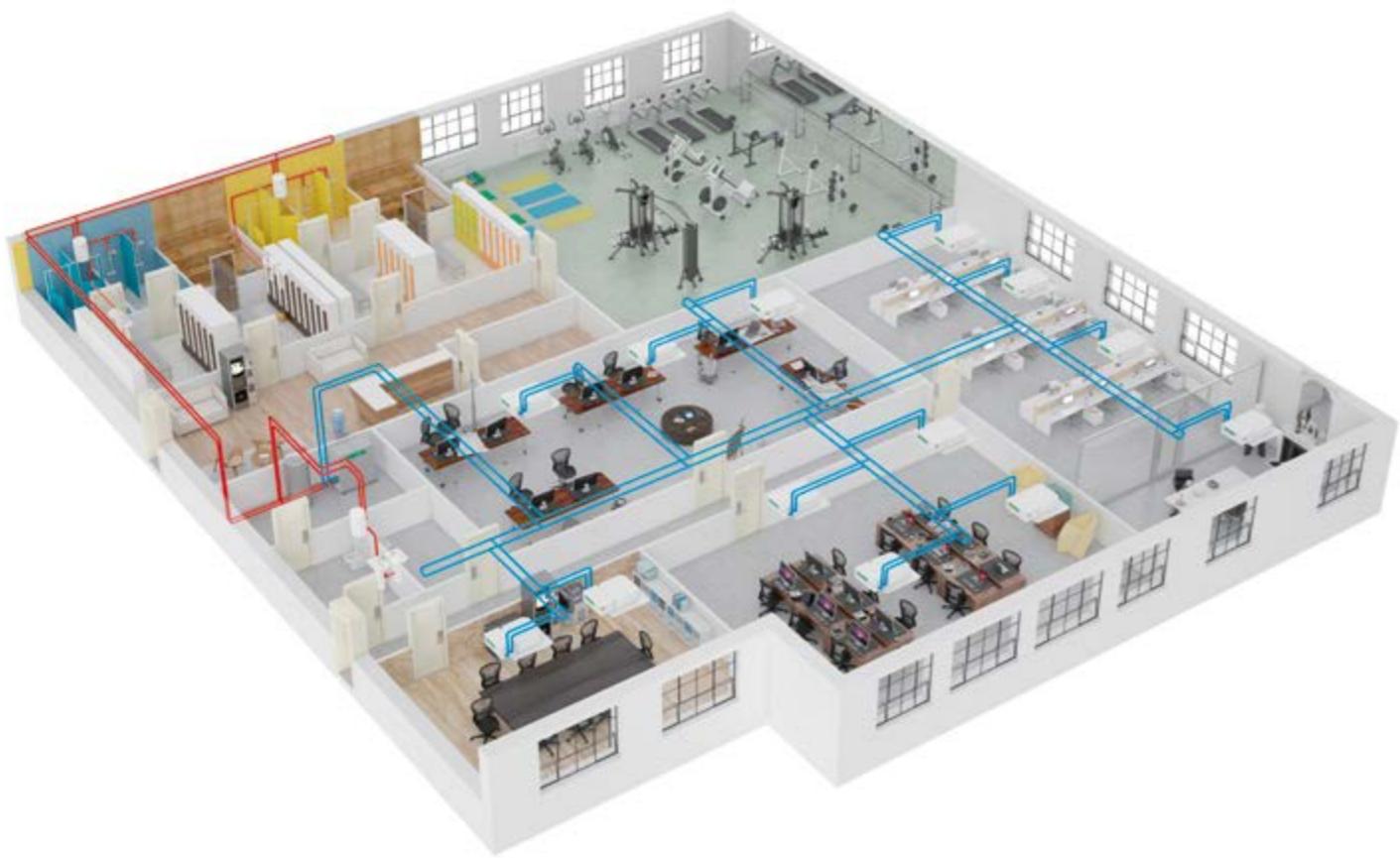
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Cold Storage

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Design of system consist of 6 steps:

- Step 1. Initial technical requirements for design formation
- Step 2. Condensing units selection
- Step 3. Heat transformer selection
- Step 4. Dry cooler selection
- Step 5. Calculation of collector's diameters
- Step 6. Summary list of equipment

Step 1

OSTROV provides diagram of Ostrov Green Technology with all possible cold and heat consumers

*.dwg version is located on the website <http://www.ostrovcomplete.com/ostrovgreentechnology.htm>

1. List of cold consumers
2. List of heat consumers.
3. Layout
4. Operation mode of heat transformer

Step 2

Select condensing unit for each consumer according to technical data tables, mentioned in OGT catalogue, based on main parameters: boiling temperature, necessary cooling capacity and refrigerant type.

Step 3

The main goal of heat transformer is to stabilize water temperature in waterloop. Total load on the heat transformer Q0 (necessary cooling capacity) equals summary of condensing heat removed of all condensing units $Q_{c\Sigma}$.

Step 4

Select dry cooler based on the following conditions:

1. Ambient temperature
2. Coolant temperature at the inlet to dry cooler
3. Noise level during the operation of the dry cooler
4. Location place for the dry cooler

Step 5

Select collectors diameters from the table listed in the catalog for the OGT system.

Cooling capacity	kW	8.0	12.0	20.0	32.0	50.0	80.0	120.0	160.0	240.0	310.0	390.0
Pipe diameter	mm	20.0	25.0	32.0	40.0	50.0	63.0	75.0	90.0	110.0	125.0	140.0
Water flow	m³/h	1.4	2.1	3.5	5.4	8.5	14.0	20.0	28.0	42.0	54.0	68.0
Pressure drop	kPa/m	2.1	1.5	1.2	1.0	0.8	0.7	0.6	0.5	0.4	0.3	0.3

Step 6

Prepare summary list of selected equipment for ordering and preparing a construction task.

Complete information at
ostrov.com

**Data sheets**

Complete technical data for each model.

**CAD Drawings**

General view drawings. PDF & DWG format.

**3D Models**

3D models. DWG format. 1:1 scale.

**Wiring diagrams**

Schemes of electrical connections.

**Price list**

Current price list.

**Operating instructions**

Detailed instructions for installation and operation.

**Package**

Dimensions and weights of packed products.

**Selection guide**

Easy way to select OGT units. Useful application information.



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