

RKO.E 1S 2019

		31 S	51 S	71 S	121 S	151 S	201 S	251 S
COOLING								
Cooling capacity ⁽¹⁾	[kW]	12,3	19,5	26,7	33,1	40,6	49,2	58,9
Cooling capacity ⁽¹⁾ (EN 14511 VALUE)	[kW]	12,2	19,4	26,6	32,9	40,3	48,9	58,5
Total compressors power input (1)	[kW]	3,5	5,4	7,3	9,1	11,0	12,7	15,1
EER - Energy Efficiency Ratio	-	3,11	3,35	3,31	3,13	3,26	3,48	3,17
Saved CO2 equivalent Ton (*)	Ton	3.550	5.650	7.820	9.610	11.780	14.260	17.080
"Ecodesign" compliance for comfort application (SEER)	-	v	v	v	v	v	v	v
DESUPERHEATER (option)								
Heating capacity ⁽²⁾	[kW]	3,0	4,6	6,4	8,0	9,7	11,9	14,2
Water flow	[m³/h]	0,5	0,8	1,1	1,4	1,7	2,0	2,4
Pressure drop (water side)	[kPa]	36	38	30	35	39	36	40
HEAT RECOVERY (option)								
Heating capacity ⁽²⁾	[kW]	14,3	22,7	30,8	38,6	46,9	55,7	66,7
Water flow	[m³/h]	2,5	3,9	5,3	6,6	8,1	9,6	11,5
Pressure drop (water side)	[kPa]	45	42	50	52	47	50	52
REFRIGERANT CIRCUIT								
Refrigerant	-	R290	R290	R290	R290	R290	R290	R290
Charge of refrigerant	[g]	1.200	1.600	1.800	2.050	2.200	2.500	2.800
Independent gas circuits	[n°]	1	1	1	1	1	1	1
Compressors type	-	Semihermetic reciprocating						
Compressors quantity	[n°]	1	1	1	1	1	1	1
Steps of capacity	-	50% - 100%	50% - 75% - 100%	50% - 75% - 100%	50% - 75% - 100%	50% - 75% - 100%	50% - 75% - 100%	50% - 75% - 100%
Fans type	-	Axial (AC)						
Fans quantity	[n°]	1	1	1	2	2	2	2
Fans power input ⁽¹⁾ (total)	[kW]	0,4	0,7	0,7	1,5	1,5	2,3	3,6
Total air flow	[m³/h]	6.100	11.900	11.350	22.800	22.800	28.400	36.500
Evaporator water flow ⁽¹⁾	[m³/h]	2,1	3,4	4,6	5,7	7,0	8,5	10,1
Evaporator pressure drop ⁽¹⁾	[kPa]	63	66	66	63	69	70	76
HYDRONIC KIT - 100 kPa useful head (option)								
Buffer tank capacity	[L]	30	60	60	160	160	290	290
Pump type	-	Centrifugal						
Pump motor nominal power	[kW]	0,37	0,55	0,55	0,55	0,55	0,9	0,9
Electrical data								
Power supply	-	400V/3ph/50Hz + 230V/1ph/50Hz (for gas detector)						
Maximum power input without pump	[kW]	4,8	8,8	12,2	13,8	16,4	18,3	23,2
Locked rotor current - LRA without pump	[A]	43,7 (DOL)	63,1 (DOL)	87,3 (DOL)	102,3 (DOL)	117,1 (DOL)	180,5 (DOL)	202,7 (DOL)
Maximum absorbed current - FLA without pump	[A]	9,9	14,9	22,3	24,9	32,0	34,7	44,6
Noise levels ⁽³⁾								
Total sound power - ST version	[dB(A)]	87	85	85	89	89	89	90
Total sound pressure - ST version	[dB(A)]	55	53	53	57	57	57	58
Total sound power - LN version	[dB(A)]	84	82	82	86	86	86	87
Total sound pressure - LN version	[dB(A)]	52	50	50	54	54	54	55
DIMENSIONS AND WEIGHT - Base Solution								
Lenght	[mm]	1.330	1.630	1.630	2.280	2.280	2.930	2.930
Width	[mm]	795	990	990	990	990	990	990
Height (ST - LN)	[mm]	1.820	2.090	2.090	2.190	2.190	2.268	2.268
Shipping weight	[kg]	270	410	440	570	610	840	870
Operating weight	[kg]	285	430	460	600	640	880	910
DIMENSIONS AND WEIGHT - Integrata Solution								
Lenght	[mm]	1.330	1.630	1.630	2.280	2.280	2.930	2.930
Width	[mm]	795	990	990	990	990	990	990
Height (ST - LN)	[mm]	1.820	2.090	2.090	2.190	2.190	2.268	2.268
Shipping weight	[kg]	320	470	500	650	700	960	1000
Operating weight	[kg]	365	550	580	840	890	1290	1330