



اطلاعات فنی | TECHNICAL DATA

NOVA F (Free-Cooling)	MODEL	NOVA F.663F4		NOVA F.773F6		NOVA F.783F8		NOVA F.793F8	
		ECO.M1	HE.M1	ECO.M1	HE.M1	ECO.M1	HE.M1	ECO.M1	HE.M1
Type		screw	screw	screw	screw	screw	screw	screw	screw
System		air cooled	air cooled	air cooled	air cooled	air cooled	air cooled	air cooled	air cooled
Cooling capacity	kW	231	241	353	368	434	448	476	495
Compressor E.E.R.	kW/kW	3.33	3.85	3.39	3.9	3.68	4.16	3.48	3.99
E.E.R.	kW/kW	3.02	3.39	3.08	3.44	3.29	3.59	3.15	3.51
Inlet water fluid temperature	°C	12	12	12	12	12	12	12	12
Outlet water fluid temperature	°C	7	7	7	7	7	7	7	7
Design ambient temperature	°C	35	35	35	35	35	35	35	35
Elevation a.s.l.	m	0	0	0	0	0	0	0	0
Type of refrigerant gas	R	134a	134a	134a	134a	134a	134a	134a	134a
Number of refrigerating circuits	N*	2	2	2	2	2	2	2	2
Electrical feed according EN 60204-1	V/ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
Electrical cabinet	IP	54	54	54	54	54	54	54	54
COMPRESSOR DATA									
Number of compressors	N*	2	2	2	2	2	2	2	2
Total compressors nominal absorbed power	kW	69.46	62.64	104.08	94.28	118.08	107.74	136.94	124.1
Total compressors running current RLA	A	123.38	114.34	173.92	159.92	196.58	181.84	228.54	210.22
Starting method	Type	Part-Winding	Part-Winding	Part-Winding	Part-Winding	Part-Winding	Part-Winding	Part-Winding	Part-Winding
Max peak start current per compressor LRA	A	269/508	269/508	423/686	423/686	479/790	479/790	516/887	516/887
Max absorbed working current per compressor FLA	A	108	108	162	162	170	170	180	180
Partition steps per compressor	%	continuous	continuous	continuous	continuous	continuous	continuous	continuous	continuous
ECONOMIZER DATA									
Economizer	Type	plate	plate	plate	plate	plate	plate	plate	plate
FREE - COOLING INTEGRATED									
Cooling capacity	kW	231	241	353	368	434	448	476	495
Ambient temperature for 100% free cooling	°C	-1.9	-4	-1.5	-3.4	-0.7	-2.5	-1.6	-3.6
Inlet water fluid temperature	°C	12	12	12	12	12	12	12	12
Outlet water fluid temperature	°C	7	7	7	7	7	7	7	7
Free cooling pressure drop free cooling (coil+evaporator+valves+pipng)	kPa	80.63	84.3	152.08	160.11	132.07	127.88	140.35	136.8
EVAPORATOR DATA									
Type of evaporator	Type	Plate	Plate	ST	ST	ST	ST	ST	ST
Approval		PED	PED	PED	PED	PED	PED	PED	PED
Nominal flow rate	m ³ /h	39.61	41.33	60.53	63.11	74.42	76.82	81.63	84.88
Minimum flow rate	m ³ /h	30	30	42	44	47	45	57	54
Maximum flow rate	m ³ /h	60	60	85	88	95	90	114	108
Pressure drops	kPa	25.76	27.9	74.59	80.5	68.67	73.47	68.54	73.62
Hydraulic connections	DN	100	100	100	100	100	100	125	125
PROCESS PUMP DATA									
Pump P3 (optional)									
Maximum pump absorbed power	kW	10.2	10.2	16.2	16.2	16.2	16.2	16.2	16.2
Maximum pump absorbed current	A	17.4	17.4	26.6	26.6	26.6	26.6	26.6	26.6
Available pressure with single pump (WP option)	kPa	280.83	275.47	251.63	242.41	262.30	264.41	247.41	247.89
Available pressure with double pump (DP option)	kPa	NA	NA	NA	NA	NA	NA	NA	NA
Pump P5 (optional)									
Maximum pump absorbed power	kW	19.94	19.94	19.94	19.94	31.9	31.9	31.9	31.9
Maximum pump absorbed current	A	32.7	32.7	32.7	32.7	53.5	53.5	53.5	53.5
Available pressure with single pump (PH option)	kPa	521.67	516.97	431.96	419.46	495.51	496.8	478.09	477.12
Available pressure with double pump (DPH option)	kPa	NA	NA	NA	NA	NA	NA	NA	NA
AIR AXIAL FANS AND CONDENSER DATA									
Number of condenser coils	N*	4	4	4	4	4	4	4	4
Number of fans	N*	4	4	6	6	8	8	8	8
Total absorbed power	kW	7	8.44	10.5	12.66	14.00	16.88	14	16.88
Total absorbed current	A	14.36	14.08	21.54	21.12	28.72	28.16	28.72	28.16
Total air flow	m ³ /h	63389	76528	95083	114793	126778	153057	126778	153057
TOTAL ELECTRIC DATA (for standard configuration)									
Nominal absorbed power	kW	76.46	71.08	114.58	106.94	132.08	124.62	150.94	140.98
Maximum absorbed power	kW	138	140	204	207	220	224	240	244
Maximum absorbed current (FLA)	A	232	232	347	347	371	371	391	391
Maximum peak current (LRA)	A	667	667	926	926	1044	1044	1151	1151
Maximum peak current with soft-start (LRA) (SF option)	A	565	565	789	789	886	886	973	973
NOISE DATA AT 10m ACCORDING ISO3744*									
Sound pressure level	dBA	64.8	65.2	64	64.5	68.8	69	68.8	69
Sound pressure level (low noise version) (LNX option)	dBA	61.5	62.4	61	61.9	64.6	65	64.6	65
Sound pressure level (extra low noise version) (ELN option)	dBA	60.3	60.9	59.6	60.3	64.0	64.3	64	64.3
DIMENSIONS**									
Length	mm	3100	3100	4050	4050	5000	5000	5000	5000
Width	mm	2210	2210	2210	2210	2210	2210	2210	2210
Height	mm	2500	2500	2500	2500	2500	2500	2500	2500
WEIGHT									
Empty	kg	2900	2900	4050	4050	4650	4650	4800	4800
FREE SPACE									
Electrical panel side	mm	1500	1500	1500	1500	1500	1500	1500	1500
Opposite side of electrical panel	mm	2500	2500	2500	2500	2500	2500	2500	2500
Condensing coil sides	mm	2500	2500	2500	2500	2500	2500	2500	2500

NOTE

All data subject to change
M2 - STANDARD MOTOR VERSION
M1 - HIGH AMBIENT MOTOR VERSION
HE - HIGH EFFICIENCY VERSION
NE - WITHOUT ECONOMIZER VERSION
With glycol percentage > 30% and leaving water temperature < 0°C, pump need to be checked by technical department
With ambient temperature > 40°C, TR45 option required

NOTE

With ambient temperature > 45°C, TR50 option required
With leaving water temperature 13°C, NOVA F NEM1 version need to be chose
With ambient temperature between 0°C and -15°C, Low temperature (LT) option required
*From NOVA F.963 jackets instead of box for compressors
NOVA F comply with the European Regulation (EU) 2016/2281, referring to high temperature process chillers, according to minimum SEPR value.



اطلاعات فنی | TECHNICAL DATA

NOVA F (Free-Cooling)	MODEL	NOVA F.863F8		NOVA F.873F10		NOVA F.883F12	
		ECO.M1	HE.M1	ECO.M1	HE.M1	ECO.M1	HE.M1
Type		screw	screw	screw	screw	screw	screw
System		air cooled	air cooled	air cooled	air cooled	air cooled	air cooled
Cooling capacity	kW	521	542	598	620	671	689
Compressor E.E.R.	kW/kW	3.31	3.86	3.52	4.07	3.73	4.15
E.E.R.	kW/kW	3.04	3.44	3.19	3.57	3.34	3.59
Inlet water fluid temperature	°C	12	12	12	12	12	12
Outlet water fluid temperature	°C	7	7	7	7	7	7
Design ambient temperature	°C	35	35	35	35	35	35
Elevation a.s.l.	m	0	0	0	0	0	0
Type of refrigerant gas	R	134a	134a	134a	134a	134a	134a
Number of refrigerating circuits	N°	2	2	2	2	2	2
Electrical feed according EN 60204-1	V/ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
Electrical cabinet	IP	54	54	54	54	54	54
COMPRESSOR DATA							
Number of compressors	N°	2	2	2	2	2	2
Total compressors nominal absorbed power	kW	157.2	140.5	169.76	152.42	179.68	166.08
Total compressors running current FLA	A	269.04	244.96	290.4	265.48	301.48	281.14
Starting method	Type	Part-Winding	Part-Winding	Part-Winding	Part-Winding	Part-Winding	Part-Winding
Max peak start current per compressor LRA	A	612/943	612/943	665/1023	665/1023	729/1114	729/1114
Max absorbed working current per compressor FLA	A	216	216	246	246	260	260
Partition steps per compressor	%	continuous	continuous	continuous	continuous	continuous	continuous
ECONOMIZER DATA							
Economizer	Type	plate	plate	plate	plate	plate	plate
FREE - COOLING INTEGRATED							
Cooling capacity	kW	521	542	598	620	671	689
Ambient temperature for 100% free cooling	°C	-2.5	-4.7	-1.9	-3.3	-1.5	-3.8
Inlet water fluid temperature	°C	12	12	12	12	12	12
Outlet water fluid temperature	°C	7	7	7	7	7	7
Free cooling pressure drop free cooling (coil+evaporator+valves+pipng)	kPa	136.61	131.09	136.42	159.95	142.92	131.12
EVAPORATOR DATA							
Type of evaporator	Type	ST	ST	ST	ST	ST	ST
Approval		PED	PED	PED	PED	PED	PED
Nominal flow rate	m3/h	89.34	92.94	102.55	106.32	115.06	118.15
Minimum flow rate	m3/h	63	65	72	75	81	83
Maximum flow rate	m3/h	125	131	144	149	162	166
Pressure drops	kPa	54.68	58.55	63.68	67.64	50.62	53.68
Hydraulic connections	DN	125	125	150	150	150	150
PROCESS PUMP DATA							
Pump P3 (optional)							
Maximum pump absorbed power	kW	24.9	24.9	24.9	24.9	24.9	24.9
Maximum pump absorbed current	A	42.2	42.2	42.2	42.2	42.2	42.2
Available pressure with single pump (WP option)	kPa	284.67	288.38	277.86	251.97	263.51	272.99
Available pressure with double pump (DP option)	kPa	NA	NA	NA	NA	NA	NA
Pump P5 (optional)							
Maximum pump absorbed power	kW	39.1	39.1	39.1	39.1	39.1	39.1
Maximum pump absorbed current	A	65.6	65.6	65.6	65.6	65.6	65.6
Available pressure with single pump (PH option)	kPa	450.06	454.32	445.38	420.43	432.71	442.59
Available pressure with double pump (DPH option)	kPa	NA	NA	NA	NA	NA	NA
AIR AXIAL FANS AND CONDENSER DATA							
Number of condenser coils	N°	4	4	4	4	4	4
Number of fans	N°	8	8	10	10	12	12
Total absorbed power	kW	14	16.88	17.5	21.1	21.36	26.04
Total absorbed current	A	28.72	28.16	35.9	35.2	43.56	42.96
Total air flow	m3/h	126778	153057	158472	191321	179322	216287
TOTAL ELECTRIC DATA (for standard configuration)							
Nominal absorbed power	kW	171.2	157.38	187.26	173.52	201.04	192.12
Maximum absorbed power	kW	280	284	319	326	343	351
Maximum absorbed current (FLA)	A	463	463	531	531	567	567
Maximum peak current (LRA)	A	1259	1259	1385	1385	1497	1497
Maximum peak current with soft-start (LRA) (SF option)	A	1070	1070	1180	1180	1275	1275
NOISE DATA AT 10m ACCORDING ISO3744*							
Sound pressure level	dBA	67.6	67.9	68	68.2	69	69.2
Sound pressure level (low noise version) (LNX option)	dBA	63.6	64.2	63.9	64.4	64.8	65.5
Sound pressure level (extra low noise version) (ELN option)	dBA	62.9	63.3	63.3	63.6	64.2	64.6
DIMENSIONS**							
Length	mm	5000	5000	5950	5950	6900	6900
Width	mm	2210	2210	2210	2210	2210	2210
Height	mm	2500	2500	2500	2500	2500	2500
WEIGHT							
Empty	kg	4950	4950	5500	5500	6300	6300
FREE SPACE							
Electrical panel side	mm	1500	1500	1500	1500	1500	1500
Opposite side of electrical panel	mm	2500	2500	2500	2500	2500	2500
Condensing coil sides	mm	2500	2500	2500	2500	2500	2500

NOTE

All data subject to change
M2 - STANDARD MOTOR VERSION
M1 - HIGH AMBIENT MOTOR VERSION
HE - HIGH EFFICIENCY VERSION
NE - WITHOUT ECONOMIZER VERSION
With glycol percentage > 30% and leaving water temperature < 0°C, pump need to be checked by technical department.
With ambient temperature > 40°C, TR45 option required

NOTE

With ambient temperature > 45°C, TR50 option required
With leaving water temperature 13°C, NOVA F NE.M1 version need to be chose
With ambient temperature between 0°C and -15°C, Low temperature (LT) option required
*From NOVA F 963 jackets instead of box for compressors
NOVA F comply with the European Regulation (EU) 2016/2281, referring to high temperature process chillers, according to minimum SEPR value.



اطلاعات فنی | TECHNICAL DATA

NOVA F (Free-Cooling)	MODEL	NOVA F.893F14		NOVA F.963F16		NOVA F.973F18	
		ECO.M1	HE.M1	ECO.M1	HE.M1	ECO.M1	HE.M1
Type		screw	screw	screw	screw	screw	screw
System		air cooled	air cooled	air cooled	air cooled	air cooled	air cooled
Cooling capacity	kW	771	792	894	924	1009	1050
Compressor E.E.R.	kW/kW	3.88	4.32	3.68	4.13	3.65	4.14
E.E.R.	kW/kW	3.45	3.7	3.29	3.57	3.27	3.59
Inlet water fluid temperature	°C	12	12	12	12	12	12
Outlet water fluid temperature	°C	7	7	7	7	7	7
Design ambient temperature	°C	35	35	35	35	35	35
Elevation a.s.l.	m	0	0	0	0	0	0
Type of refrigerant gas	R	134a	134a	134a	134a	134a	134a
Number of refrigerating circuits	N°	2	2	2	2	2	2
Electrical feed according EN 60204-1	V/ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
Electrical cabinet	IP	54	54	54	54	54	54
COMPRESSOR DATA							
Number of compressors	N°	2	2	2	2	2	2
Total compressors nominal absorbed power	kW	198.64	183.48	243.1	223.92	276.48	253.5
Total compressors running current FLA	A	356.06	334.9	410.6	382.88	461.56	427.88
Starting method	Type	Part-Winding	Part-Winding	Star-Delta	Star-Delta	Star-Delta	Star-Delta
Max peak start current per compressor LRA	A	757/1181	757/1181	586/1853	586/1853	650/2029	650/2029
Max absorbed working current per compressor FLA	A	310	310	370	370	420	420
Partition steps per compressor	%	continuous	continuous	continuous	continuous	continuous	continuous
ECONOMIZER DATA							
Economizer	Type	plate	plate	plate	plate	plate	plate
FREE - COOLING INTEGRATED							
Cooling capacity	kW	771	792	894	924	1009	1050
Ambient temperature for 100% free cooling	°C	-3.4	-3.3	-2	-3.4	-2	-3.3
Inlet water fluid temperature	°C	12	12	12	12	12	12
Outlet water fluid temperature	°C	7	7	7	7	7	7
Free cooling pressure drop free cooling (coil+evaporator+valves+pipng)	kPa	142.96	149.15	126.75	140.42	134.7	153.04
EVAPORATOR DATA							
Type of evaporator	Type	ST	ST	ST	ST	ST	ST
Approval		PED	PED	PED	PED	PED	PED
Nominal flow rate	m3/h	132.21	135.81	153.3	158.45	173.02	180.06
Minimum flow rate	m3/h	77	79	107	111	110	115
Maximum flow rate	m3/h	155	159	215	222	220	229
Pressure drops	kPa	75.56	78.55	77.6	82.43	75.5	80.6
Hydraulic connections	DN	150	150	150	150	150	150
PROCESS PUMP DATA							
Pump P3 (optional)							
Maximum pump absorbed power	kW	24.9	24.9	-	-	-	-
Maximum pump absorbed current	A	42.2	42.2	-	-	-	-
Available pressure with single pump (WP option)	kPa	247.9	238.32	-	-	-	-
Available pressure with double pump (DP option)	kPa	-	-	-	-	-	-
Pump P5 (optional)							
Maximum pump absorbed power	kW	-	-	-	-	-	-
Maximum pump absorbed current	A	-	-	-	-	-	-
Available pressure with single pump (PH option)	kPa	-	-	-	-	-	-
Available pressure with double pump (DPH option)	kPa	-	-	-	-	-	-
AIR AXIAL FANS AND CONDENSER DATA							
Number of condenser coils	N°	4	4	4	4	4	4
Number of fans	N°	14	14	16	16	18	18
Total absorbed power	kW	24.92	30.38	28.48	34.72	32.04	39.06
Total absorbed current	A	50.82	50.12	58.08	57.28	65.34	64.44
Total air flow	m3/h	209209	252335	239096	288383	268983	324431
TOTAL ELECTRIC DATA (for standard configuration)							
Nominal absorbed power	kW	223.56	213.86	271.58	258.64	308.52	292.56
Maximum absorbed power	kW	399	408	523	533	545	556
Maximum absorbed current (FLA)	A	675	675	802	802	910	910
Maximum peak current (LRA)	A	1642	1642	2378	2378	2649	2649
Maximum peak current with soft-start (LRA) (SF option)	A	1406	1406	2008	2008	2243	2243
NOISE DATA AT 10m ACCORDING ISO3744*							
Sound pressure level	dBA	69.2	69.4	70	70.2	70.8	71
Sound pressure level (low noise version) (LNX option)	dBA	65	65.6	65.7	66.2	66.4	66.9
Sound pressure level (extra low noise version) (ELN option)	dBA	64.4	64.8	65.2	65.5	66	66.2
DIMENSIONS**							
Length	mm	7850	7850	8800	8800	9750	9750
Width	mm	2210	2210	2210	2210	2210	2210
Height	mm	2500	2500	2500	2500	2500	2500
WEIGHT							
Empty	kg	7400	7400	8500	8500	9500	9500
FREE SPACE							
Electrical panel side	mm	1500	1500	1500	1500	1500	1500
Opposite side of electrical panel	mm	2500	2500	2500	2500	2500	2500
Condensing coil sides	mm	2500	2500	2500	2500	2500	2500

NOTE

All data subject to change
M2 - STANDARD MOTOR VERSION
M1 - HIGH AMBIENT MOTOR VERSION
HE - HIGH EFFICIENCY VERSION
NE - WITHOUT ECONOMIZER VERSION
With glycol percentage > 30% and leaving water temperature < 0°C, pump need to be checked by technical department.
With ambient temperature > 40°C, TR45 option required

NOTE

With ambient temperature > 45°C, TR50 option required
With leaving water temperature 13°C, NOVA F NE.M1 version need to be chose
With ambient temperature between 0°C and -15°C, Low temperature (LT) option required
*From NOVA F 963 jackets instead of box for compressors
NOVA F comply with the European Regulation (EU) 2016/2281, referring to high temperature process chillers, according to minimum SEPR value.



اطلاعات فنی | TECHNICAL DATA

NOVA F (Free-Cooling)	MODEL	NOVA F.973F24		NOVA F.983F20		NOVA F.993F22	
		ECO.M1	HE.M1	ECO.M1	HE.M1	ECO.M1	HE.M1
Type		screw	screw	screw	screw	screw	screw
System		air cooled	air cooled	air cooled	air cooled	air cooled	air cooled
Cooling capacity	kW	1478	1506	1163	1208	1321	1372
Compressor E.E.R.	kW/kW	3.58	3.8	3.7	4.2	3.74	4.25
E.E.R.	kW/kW	3.24	3.36	3.32	3.65	3.37	3.71
Inlet water fluid temperature	°C	12	12	12	12	12	12
Outlet water fluid temperature	°C	7	7	7	7	7	7
Design ambient temperature	°C	35	35	35	35	35	35
Elevation a.s.l.	m	0	0	0	0	0	0
Type of refrigerant gas	R	134a	134a	134a	134a	134a	134a
Number of refrigerating circuits	N°	3	3	2	2	2	2
Electrical feed according EN 60204-1	V/ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
Electrical cabinet	IP	54	54	54	54	54	54
COMPRESSOR DATA							
Number of compressors	N°	3	3	2	2	2	2
Total compressors nominal absorbed power	kW	413.01	396.33	314.64	287.7	352.86	322.52
Total compressors running current FLA	A	689.82	665.25	526.12	487.08	582.66	537.66
Starting method	Type	Star-Delta	Star-Delta	Star-Delta	Star-Delta	Star-Delta	Star-Delta
Max peak start current per compressor LRA	A	650/2029	650/2029	805/2520	805/2520	805/2520	805/2520
Max absorbed working current per compressor FLA	A	420	420	450	450	450	450
Partition steps per compressor	%	continuous	continuous	continuous	continuous	continuous	continuous
ECONOMIZER DATA							
Economizer	Type	plate	plate	plate	plate	plate	plate
FREE - COOLING INTEGRATED							
Cooling capacity	kW	1478	1506	1163	1208	1321	1372
Ambient temperature for 100% free cooling	°C	-6.4	-5.1	-2.2	-3.5	-2.3	-3.6
Inlet water fluid temperature	°C	12	12	12	12	12	12
Outlet water fluid temperature	°C	7	7	7	7	7	7
Free cooling pressure drop free cooling (coil+evaporator+valves+pipng)	kPa	140.98	148.25	144.08	172.12	153.82	190.62
EVAPORATOR DATA							
Type of evaporator	Type	ST	ST	ST	ST	ST	ST
Approval		PED	PED	PED	PED	PED	PED
Nominal flow rate	m3/h	253.45	258.25	199.43	207.15	226.53	235.27
Minimum flow rate	m3/h	161	151	140	145	144	150
Maximum flow rate	m3/h	323	302	279	290	289	300
Pressure drops	kPa	81.58	85.5	83.52	90.43	85.57	91.43
Hydraulic connections	DN	200	200	200	200	200	200
PROCESS PUMP DATA							
Pump P3 (optional)							
Maximum pump absorbed power	kW	-	-	-	-	-	-
Maximum pump absorbed current	A	-	-	-	-	-	-
Available pressure with single pump (WP option)	kPa	-	-	-	-	-	-
Available pressure with double pump (DP option)	kPa	-	-	-	-	-	-
Pump P5 (optional)							
Maximum pump absorbed power	kW	-	-	-	-	-	-
Maximum pump absorbed current	A	-	-	-	-	-	-
Available pressure with single pump (PH option)	kPa	-	-	-	-	-	-
Available pressure with double pump (DPH option)	kPa	-	-	-	-	-	-
AIR AXIAL FANS AND CONDENSER DATA							
Number of condenser coils	N°	12	12	4	4	4	4
Number of fans	N°	24	24	20	20	22	22
Total absorbed power	kW	42.48	51.6	35.6	43.4	39.16	47.74
Total absorbed current	A	86.64	85.44	72.6	71.6	79.86	78.76
Total air flow	m3/h	367939	442548	298870	360479	328757	396527
TOTAL ELECTRIC DATA (for standard configuration)							
Nominal absorbed power	kW	455.49	447.93	350.24	331.1	392.02	370.26
Maximum absorbed power	kW	812	826	599	611	603	616
Maximum absorbed current (FLA)	A	1354	1354	978	978	986	986
Maximum peak current (LRA)	A	3081	3081	3179	3179	3183	3183
Maximum peak current with soft-start (LRA) (SF option)	A	2675	2675	2675	2675	2679	2679
NOISE DATA AT 10m ACCORDING ISO5744*							
Sound pressure level	dBA	72.8	73.1	71.6	71.7	71.6	71.7
Sound pressure level (low noise version) (LNX option)	dBA	68.8	69.5	67.1	67.5	67.1	67.5
Sound pressure level (extra low noise version) (ELN option)	dBA	68.1	68.5	66.7	66.9	66.7	66.9
DIMENSIONS**							
Length	mm	12880	12880	10700	10700	11650	11650
Width	mm	2210	2210	2210	2210	2210	2210
Height	mm	2500	2500	2500	2500	2500	2500
WEIGHT							
Empty	kg	13200	13200	10400	10400	11400	11400
FREE SPACE							
Electrical panel side	mm	1500	1500	1500	1500	1500	1500
Opposite side of electrical panel	mm	2500	2500	2500	2500	2500	2500
Condensing coil sides	mm	2500	2500	2500	2500	2500	2500

NOTE

All data subject to change
M2 - STANDARD MOTOR VERSION
M1 - HIGH AMBIENT MOTOR VERSION
HE - HIGH EFFICIENCY VERSION
NE - WITHOUT ECONOMIZER VERSION
With glycol percentage > 30% and leaving water temperature < 0°C, pump need to be checked by technical department.
With ambient temperature > 40°C, TR45 option required

NOTE

With ambient temperature > 45°C, TR50 option required
With leaving water temperature 13°C, NOVA F HE.M1 version need to be chose
With ambient temperature between 0°C and -15°C, Low temperature (LT) option required
*From NOVA F 983 jackets instead of box for compressors
NOVA F comply with the European Regulation (EU) 2016/2281, referring to high temperature process chillers, according to minimum SEPR values.