



Gross Price List 2011

July 2011



BIG evolution (Big Chiller)

Model	Compressors	Evaporator	Free cooling	In/out water temperature	Ambient temperature	Condensation	Cooling capacity	Refrigerant
ECS	Screw	Shell & Tube	N.A.	12 / 7 °C	35 °C	Air / Axial fans	230-1450	R407C
ECF	Screw	Shell & Tube	Yes	12 / 7 °C	35 °C	Air / Axial fans	230-1450	R407C
EET	Screw	Shell & Tube	N.A.	12 / 7 °C	35 °C	Air / Axial fans	230-1500	R134a
EEF	Screw	Shell & Tube	Yes	12 / 7 °C	35 °C	Air / Axial fans	230-1350	R134a
EHET	Screw	Shell & Tube	N.A.	12 / 7 °C	35 °C	Air / Axial fans	235-1330	R134a Class A
EHEF	Screw	Shell & Tube	Yes	12 / 7 °C	35 °C	Air / Axial fans	235-1330	R134a Class A
ITC	Screw inverter	Shell & Tube	N.A.	12 / 7 °C	35 °C	Air / Axial fans	250-1370	R134a Class A
ITF	Screw inverter	Shell & Tube	Yes	12 / 7 °C	35 °C	Air / Axial fans	250-1370	R134a Class A

AIR COOLED LIQUID CHILLERS WITH AXIAL FANS, SCREW COMPRESSORS AND SHELL&TUBE EXCHANGER



SERIES: ECS-ECF-EET-EEF-EHET-EHEF-ITC-ITF	CODE: GPLBIG12	CHECKED BY
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GROSS PRICE AIRCOOLED LIQUID CHILLERS KW 230 ÷1450 ECS SERIES – R407C

updated on:
02 August 2011

Page no. 1.1

AIR COOLED SCREW LIQUID CHILLER																
P		BIG CHILLERS	Model	230	320	370	425	545	630	750	840	930	1020	1250	1350	1450
E	€	Price Basic model unit		59225	76490	84775	94275	103975	126950	141940	163000	186075	198200	220425	234075	248215
R	kW	COOLING CAPACITY (1)		230	318	370	425	545	630	750	840	930	1021	1250	1346	1446
F	kW	COMPRESSOR NOMINAL ABSORBED POWER		38.2	47.3	54.8	71.6	85	98	111.5	130.5	154.7	171	219.8	233	267
O	A	COMPRESSOR NOMINAL ABSORBED CURRENT		63.2	77.6	90.6	117.7	139.4	160.7	181.1	212.4	252.1	280.5	350.8	375	427
R	W/W	COP		3.01	3.36	3.38	2.97	3.21	3.21	3.36	3.22	3.01	2.99	2.84	2.89	2.71
M	W/W	EER		2.73	2.98	3.04	2.67	2.87	2.92	3.04	2.91	2.72	2.73	2.63	2.66	2.50
A		ESEER		3.77	3.96	4.30	3.81	4.28	4.35	4.27	4.18	4.00	3.86	3.80	3.82	3.79
N		IPLV		4.40	4.60	5.02	4.43	4.98	5.10	4.96	4.85	4.65	4.50	4.40	4.44	4.35
C		ECS LENGTH		3050	4000	4000	4950	5950	5950	6850	7800	8750	8750	9700	10650	11600
E	mm	ECS SLN LENGTH		4000	4950	4950	5950	6850	6850	7800	8750	9700	9700	10650	11600	-
	mm	ECS WIDHT		2210	2210	2210	2210	2210	2210	2210	2210	2210	2210	2210	2210	2210
	mm	ECS HEIGHT		2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450
1.0 MECHANICAL CONFIGURATION																
1,01	LN	Low noise version (2)		4640	4640	5925	5925	5925	6700	6700	7475	7475	7990	7990	9015	9790
1,02	SLN	Super low noise version		7725	9015	10300	11075	11590	12115	12875	14165	15450	16740	19315	21890	-
1,03	GPRC	Protection refrigerant circuit		2065	2065	2575	2575	3100	3100	3615	3865	4390	4900	5675	6440	7215
1,04	GPC	Condenser coil protection		1525	1525	1765	1765	2275	2325	2575	3100	3615	4125	4900	5675	6700
1,05	CF	Condenser aluminium filter		2065	2325	3100	3100	3615	3615	4125	4125	4640	5675	6440	7215	7725
1,06	ATV	Rubber type antivibrant mounting		1675	1765	1815	2040	2115	2225	2300	2475	3100	3865	4390	5925	6700
1,07	ATS	Spring type antivibrant mounting		1940	1940	2200	2200	2325	2325	2575	3100	3615	4125	4800	5125	6190
CONDENSING COIL																
1,08	CV	Epoxy coated aluminium fin coils		1815	2065	2325	2575	3100	3350	3865	4640	5150	5925	6700	7725	8500
1,09	CG	Fin guard silver treatment coils		9790	9790	9790	10050	10825	14425	15450	17775	20350	22415	24990	26525	27300
1,10	CC	Copper/ Copper condenser		Please contact our sales office												
1,11	CHCP	Humidifying and cooling pads		Please contact our sales office												

Data referred to:

(1) Inlet - outlet water (30% eth. glycole temperature) +12/+7 °C, with fouling factor 0.000043 (m²K)/W - Ambient air temperature = +35°C

(2) Sound pressure referred to: free spherical field, 10 m from the unit battery side, 1m from support base, according to ISO3744



GROSS PRICE AIRCOOLED LIQUID CHILLERS KW 230 ÷1450 ECS SERIES – R407C

updated on:
02 August 2011

Page no. 1.2

BIG CHILLERS			Model	230	320	370	425	545	630	750	840	930	1020	1250	1350	1450
2.0 HYDRIC CIRCUIT CONFIGURATION																
One pump																
2,01	WP	Single pump 2 poles with contacts and overload to combine with 2,15		4125	4415	4640	4900	5415	5675	6700	7475	9015	10300	11590	13650	15450
2,02	VTP	Manual valve between tank and pump (to combine with 2.01 and 2.12)		775	940	940	1240	1425	1550	1790	1790	2065	2575	3100	3865	3865
2,03	RAGP	Antifreeze heater pump		750	750	800	1015	1115	1190	1265	1325	1450	1550	1815	1815	1815
2,04	SLNP	One Pump box (super low noise version) (to combine with 1,02)		1550	2065	2065	2325	2325	2575	2575	3350	3615	4125	4640	5415	5675
2,05	IRP	One inverter pump		4125	4390	5925	6440	7215	9015	10050	10300	11850	12875	18025	20600	23175
Double pump																
2,06	DP	Double pump 2 poles with contacts and overloads to combine with 2,15		8250	8815	9275	9790	10825	11290	11850	13915	18025	20600	23175	27300	30650
2,07	AT	Management pumps (to combine with 2,06)		1550	1815	1815	2065	2065	2065	2065	2325	2325	2325	2575	2575	2575
2,08	VTPD	Double man. valve betw. tank and double pump (to comb. 2,06 and 2,12)		1550	1575	1575	2475	2575	2840	3100	3350	3865	4390	4390	4900	4900
2,09	RAGDP	Antifreeze heater double pump		1325	1325	1550	1550	1815	1815	2065	2065	2065	2325	2325	2575	2575
2,10	SLNPD	Double pump box (super low noise version) (to combine with 1,02)		2325	3100	3350	3865	3865	4390	4390	4900	5150	5415	6440	6700	6700
2,11	IRPD	Double inverter for double pump		9015	9275	11850	12875	13915	16740	18800	20600	23175	25750	33475	41200	46350
Tank																
2,12	T	Tank carbon steel incl. safety valve and air vent nipple (to comb. 2,15)		3350	3350	3865	3865	4125	4125	5150	5150	6440	6440	6440	7215	7725
2,13	RAGT	Antifreeze heater inertial tank (to combine with 2,12)		1040	1040	1290	1290	1290	1550	2040	2040	2300	2300	2575	2575	2575
2,14	LLA	Electric float low level alarm (to combine with 2,12)		1040	1040	1040	1290	1290	1290	1550	1550	1550	1550	1550	1550	1550
Connections																
2,15	EVF	Insulated evaporator flanges + counter flanges		1165	1265	1265	1325	1325	1325	1675	1675	1675	1940	1940	1940	2065
2,16	RAGEV	antifreeze heater flanges connections		1040	1040	1290	1290	1290	1550	2040	2040	2300	2300	2575	2575	2575
2,17	RAGE	antifreeze heater evaporator		1015	1165	1165	1290	1290	1550	1815	2325	2325	2325	2575	2575	2575
2,18	FY	Y mechanical filter (supplied outside the unit)		1040	1550	1550	2065	2065	2325	2840	3350	4125	4900	6440	6965	7725
2,18	FL	Flow switch to combine with 2.15. Only flow switch supplied separately.		725	725	725	725	725	725	990	990	990	990	990	1090	1090
3.0 REFRIGERANT CIRCUIT CONFIGURATION																
3,01	CSV	Compressor suction and discharge valve		Included												
3,02	DRV	Dual relief valves "maintenable dual pressure relief valves assembly"		915	915	1165	1165	1550	1550	1815	1815	2065	2325	2575	3100	3865
3,03	PCN	Compressor liquid injection, incl. dehydrating filter and solenoid valve		2575	3865	3865	4125	4125	4390	4390	4640	4640	6440	6700	7215	7475
3,04	PDF	Oil differential pressure		2375	2375	2375	2375	2375	2375	2375	2375	3100	3100	3100	3100	3100
3,05	HP/LP	High and low pressure gauges for each circuit		Included												
3,06	LPT	Low pressure transducers		265	265	525	525	525	775	775	1040	1040	1290	1290	1290	1290
3,07	DS	Partial desuperheater (plate exchanger)		5025	5925	6440	7475	8250	9275	10050	11075	11850	15200	15975	17265	18025
3,08	HRS	Total heat recovery in series		Please contact our sales office.												
3,09	HRP	Total heat recovery in parallel		Please contact our sales office.												
3,10	LT	Low ambient temperature until -25°C		4390	4900	5925	6700	7475	7475	7990	8500	9275	9275	10050	11075	12115



GROSS PRICE AIRCOOLED LIQUID CHILLERS KW 230 ÷1450 ECS SERIES – R407C

updated on:
02 August 2011

Page no. 1.3

BIG CHILLERS			Model	230	320	370	425	545	630	750	840	930	1020	1250	1350	1450
4.0 ELECTRIC CIRCUIT CONFIGURATION																
4,01	RV	Fan speed regulator (phase cut)		Included												
4,02	EC	Ec fans (electronic commuted)	3100	3865	4125	5150	6700	6965	8040	9375	10715	11075	12065	13025	13990	
4,03	IR	Remote inverters fans incl. inductances&sinusoidal filter (to comb. with 4.04)	3865	4390	4900	5925	7475	7725	8765	10150	11315	11850	12825	13800	15015	
4,04	ES	Secondary thermo regulated electric board (to combine with 4.03)	1040	1290	1290	1550	1550	1550	1815	1815	1815	2065	2325	2575	2575	
4,05	IFO	Individual fan overload (to combine with 4.04)	775	965	1040	1115	1290	1475	1675	2040	2140	2325	2840	3100	3350	
4,06	RVG	General voltmetrical relay	Included													
4,07	CSF	3 phases sequences relay	Included													
Remote connections arrangement																
4,08	OFC	On-off compressors signal (free contact)	265	265	265	340	340	340	340	390	390	415	415	415	415	
4,09	RS485	Serial card for carel/modbus(RS485)	215	215	265	265	315	315	390	390	415	450	475	525	525	
4,10	LON	Serial card for echelon	450	450	500	500	500	525	525	525	600	600	600	625	625	
4,11	BAC	Serial card for BACNET	725	725	725	800	800	800	915	915	915	1015	1065	1115	1115	
4,13	PL	PlantwatchPRO	Please contact or sales office													
4,14	PLW	Plantvisor	Please contact or sales office													
5.0 PACKING																
5,01	WCA	Wooden cage packing ISPM15	4125	5415	5415	6700	6700	7475	7725	8500	9275	9790	10300	11590	12875	
5,02	NCC	Nylon +cartoon corners + coil protection packing	Included													
5,03	ANS	Rubber pad antivibrating (shipment by truck)	1290	1290	1550	1550	1815	1815	2065	2065	2065	2065	2065	2065	2325	

For additional options You do not find in this pricelist, please contact our sales office. Thank You.



GROSS PRICE AIRCOOLED LIQUID CHILLERS KW 230 ÷1450 ECF SERIES – R407C

updated on:
02 August 2011

Page no. 2.1

FREE COOLING AIR COOLED SCREW LIQUID CHILLER																
P		BIG CHILLERS	Model	230	320	370	425	545	630	750	840	930	1020	1250	1350	1450
E	€	Price Basic model unit		72100	93990	99140	109440	118450	148065	159790	187975	212165	228275	252350	262400	288400
R	kW	COOLING CAPACITY (1)		230	318	370	425	545	630	750	840	930	1021	1250	1346	1446
F	kW	COMPRESSOR NOMINAL ABSORBED POWER		38.2	47.3	54.8	71.6	85	98	111.5	130.5	154.7	171	219.8	233	267
O	A	COMPRESSOR NOMINAL ABSORBED CURRENT		63.2	77.6	90.6	117.7	139.4	160.7	181.1	212.4	252.1	280.5	350.8	375	427
R	W/W	COP		3.01	3.36	3.38	2.97	3.21	3.21	3.36	3.22	3.01	2.99	2.84	2.89	2.71
M	W/W	EER		2.60	2.98	2.95	2.67	2.87	2.92	3.04	2.91	2.72	2.73	2.61	2.64	2.50
A		ESEER		3.77	3.96	4.30	3.81	4.28	4.35	4.27	4.18	4.00	3.86	3.80	3.82	3.79
N		IPLV		4.40	4.60	5.02	4.43	4.98	5.10	4.96	4.85	4.65	4.50	4.40	4.44	4.35
C	C°	AIR AMBIENT TEMPERATURE WITH 100% FREE COOLING (2)		-0.5	-3.7	-2.6	-3.7	-4	-5.5	-6	-6.5	-7	-7.5	-7.5	-7.7	-8.9
E	mm	ECF LENGTH		4000	4000	4950	4950	5950	5950	6850	7800	8750	8750	10650	11600	11600
	mm	ECF WIDHT		2210	2210	2210	2210	2210	2210	2210	2210	2210	2210	2210	2210	2210
	mm	ECF HEIGHT		2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450
1.0 MECHANICAL CONFIGURATION																
1,01	LN	Low noise version (3)		4640	4640	5925	5925	5925	6700	6700	7475	7475	7990	7990	9015	9790
1,02	SLN	Super low noise version		Please contact our sales office												
1,03	GPRC	Protection refrigerant circuit		2065	2575	3100	3100	3615	3615	4125	4390	4900	5675	6700	7215	7215
1,04	GPC	Condenser coil protection		1525	1765	2275	2275	2575	2575	3100	3615	4125	4640	5925	6700	7215
1,05	CF	Condenser aluminium filter		2065	2325	3350	3350	3615	3615	3865	4125	4390	5150	6965	7475	7475
1,06	ATV	Rubber type antivibrant mounting		1765	1940	2200	2200	2300	2350	2475	3100	3615	4125	4900	6190	6700
1,07	ATS	Spring type antivibrant mounting		1940	2200	2325	2325	2575	2575	3100	3615	4125	4640	5675	6700	7475
CONDENSING COIL																
1,08	CV	Epoxy coated aluminium fin coils		2065	2325	3350	3350	3865	3865	4390	4900	5925	6440	7215	8500	9540
1,09	CG	Fin guard silver treatment coils		10050	10050	10825	10825	12365	12365	17000	18025	21375	23175	27300	29875	32450
1,10	CC	Copper/ Copper condenser		Please contact our sales office												
1,11	CHCP	Humidifying and cooling pads		Please contact our sales office												

Data referred to:

(1) Inlet - outlet water (30% eth. glycole temperature) +12/+7 °C, with fouling factor 0.000043 (m²K)/W - Ambient air temperature = +35°C

(2) Inlet/outlet water (20% ethylenic glycole) temperature = +12/+7 °C

(3) Sound pressure referred to: free spherical field, 10 m from the unit battery side, 1m from support base, according to ISO3744



GROSS PRICE AIRCOOLED LIQUID CHILLERS KW 230 ÷1450 ECF SERIES – R407C

updated on:
02 August 2011

Page no. 2.2

BIG CHILLERS			Model	230	320	370	425	545	630	750	840	930	1020	1250	1350	1450
2.0 HYDRIC CIRCUIT CONFIGURATION																
One pump																
2,01	WP	Single pump 2 poles with contacts and overload to combine with 2,15		4125	4415	4640	4900	5415	5650	5925	6965	9015	10300	11590	13650	15450
2,02	VTP	Manual valve between tank and pump (to combine with 2.01 and 2.12)		775	940	940	1240	1425	1550	1790	1790	2065	2575	3100	3865	3865
2,03	RAGP	Antifreeze heater pump		750	750	800	1015	1115	1190	1265	1325	1450	1550	1815	1815	1815
2,04	SLNP	One Pump box (super low noise version) (to combine with 1,02)		1550	2065	2065	2325	2325	2575	2575	3350	3615	4125	4640	5415	5675
2,05	IRP	One inverter pump		4125	4390	5925	6440	7215	9015	10050	10300	11850	12875	18025	20600	23175
Double pump																
2,06	DP	Double pump 2 poles with contacts and overloads to combine with 2,15		8250	8815	9275	9790	10825	11290	11850	13915	18025	20600	23175	27300	30650
2,07	AT	Management pumps (to combine with 2,06)		1550	1815	1815	2065	2065	2065	2065	2325	2325	2325	2575	2575	2575
2,08	VTPD	Double man. valve betw. tank and double pump (to comb. 2,06 and 2,12)		1550	1575	1575	2475	2575	2840	3100	3350	3865	4390	4390	4900	4900
2,09	RAGDP	Antifreeze heater double pump		1325	1325	1550	1550	1815	1815	2065	2065	2065	2325	2325	2575	2575
2,10	SLNPD	Double pump box (super low noise version) (to combine with 1,02)		2325	3100	3350	3865	3865	4390	4390	4900	5150	5415	6440	6700	6700
2,11	IRPD	Double inverter for double pump		9015	9275	11850	12875	13915	16740	18800	20600	23175	25750	33475	41200	46350
Tank																
2,12	T	Tank carbon steel incl. safety valve and air vent nipple (to comb. 2,15)		3350	3350	3865	3865	4125	4125	5150	5150	6440	6440	6440	7725	7725
2,13	RAGT	Antifreeze heater inertial tank (to combine with 2,12)		1040	1040	1290	1290	1290	1550	2040	2040	2300	2300	2575	2575	2575
2,14	LLA	Electric float low level alarm (to combine with 2,12)		1040	1040	1040	1290	1290	1290	1550	1550	1550	1815	2065	1550	1550
Connections																
2,15	EVF	Insulated evaporator flanges + counter flanges		included												
2,16	RAGEV	antifreeze heater flanges connections		1040	1040	1290	1290	1290	1550	2040	2040	2300	2300	2575	2575	2575
2,17	RAGE	antifreeze heater evaporator		1015	1165	1165	1290	1290	1550	1815	2325	2325	2325	2575	2575	2575
2,18	FY	Y mechanical filter (supplied outside the unit)		1040	1550	1550	2065	2065	2325	2840	3350	4125	4900	6440	6965	7725
2,18	FL	Flow switch to combine with 2.15.		725	725	725	725	725	725	990	990	990	990	990	1090	1090
3.0 REFRIGERANT CIRCUIT CONFIGURATION																
3,01	CSV	Compressor suction and discharge valve		Included												
3,02	DRV	Dual relief valves "maintenable dual pressure relief valves assembly"		915	915	1165	1165	1550	1550	1815	1815	2065	2325	2575	3100	3865
3,03	PCN	Compressor liquid injection, incl. dehydrating filter and solenoid valve		2575	3865	3865	4125	4125	4390	4390	4640	4640	6440	6700	7215	7475
3,04	PDF	Oil differential pressure		2375	2375	2375	2375	2375	2375	2375	2375	3100	3100	3100	3100	3100
3,05	HP/LP	High and low pressure gauges for each circuit		Included												
3,06	LPT	Low pressure transducers		265	265	525	525	525	775	775	1040	1040	1290	1290	1290	1290
3,07	DS	Partial desuperheater (plate exchanger)		5025	5925	6440	7475	8250	9275	10050	11075	11850	15200	15975	17265	18025
3,08	HRS	Total heat recovery in series		Please contact our sales office.												
3,09	HRP	Total heat recovery in parallel		Please contact our sales office.												
3,10	LT	Low ambient temperature until -25°C		Included												



GROSS PRICE AIRCOOLED LIQUID CHILLERS KW 230 ÷1450 ECF SERIES – R407C

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Page no. 2.3

BIG CHILLERS			Model	230	320	370	425	545	630	750	840	930	1020	1250	1350	1450
4.0 ELECTRIC CIRCUIT CONFIGURATION																
4,01	RV	Fan speed regulator (phase cut)		included												
4,02	EC	Ec fans (electronic commuted)	3865	4125	5150	5150	6700	6965	8040	9375	10715	11075	12065	13025	13990	
4,03	IR	Remote inverters fans incl. inductances&sinusoidal filter (to comb. with 4.04)	4390	4900	4900	5925	7475	7725	8765	10150	11315	11850	12825	13800	15015	
4,04	ES	Secondary thermo regulated electric board (to combine with 4.03)	1040	1290	1290	1550	1550	1550	1815	1815	1815	2065	2325	2575	2575	
4,05	IFO	Individual fan overload (to combine with 4.04)	940	1040	1290	1450	1625	1790	1965	2040	2250	2575	2840	3350	3615	
4,06	RVG	General voltmetrical relay	Included													
4,07	CSF	3 phases sequences relay	Included													
Remote connections arrangement																
4,08	OFC	On-off compressors signal (free contact)	265	265	265	340	340	340	340	390	390	415	415	415	415	
4,09	RS485	Serial card for carel/modbus(RS485)	215	215	265	265	315	315	390	390	415	450	475	525	525	
4,10	LON	Serial card for echelon	450	450	500	500	500	525	525	525	600	600	600	625	625	
4,11	BAC	Serial card for BACNET	725	725	725	800	800	800	915	915	915	1015	1065	1115	1115	
4,13	PL	PlantwatchPRO	Please contact or sales office													
4,14	PLW	Plantvisor	Please contact or sales office													
5.0 PACKING																
5,01	WCA	Wooden cage packing ISPM15	4125	5675	5675	6965	6965	7475	7990	9275	10050	10050	10565	12115	14425	
5,02	NCC	Nylon +cartoon corners + coil protection packing	Included													
5,03	ANS	Rubber pad antivibrating (shipment by truck)	1290	1290	1550	1550	1815	1815	1815	2065	2065	2065	2065	2065	2325	

For additional options You do not find in this pricelist, please contact our sales office. Thank You.



GROSS PRICE AIRCOOLED LIQUID CHILLERS KW 210 ÷580 EET SERIES – R134A

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27 July 2011

Page no. 3.1

AIR COOLED LIQUID CHILLER WITH ECONOMIZER			Model	210	250	300	330	380	430	510	580
<i>P</i>		BIG CHILLERS									
<i>E</i>	€	Price of Basic model unit		61800	72100	84975	92700	100425	112790	118715	127725
<i>R</i>	kW	NOMINAL COOLING CAPACITY (1)		213	248	297	325	382	427	509	580
<i>F</i>	°C	COP		3,16	3,27	2,99	3,18	3,26	3,04	2,96	3,03
<i>O</i>	kW/kW	EER		2,83	2,96	2,67	2,84	2,96	2,73	2,71	2,80
<i>R</i>	W/W	ESEER		4,08	4,25	4,28	4,25	4,25	4,37	4,23	4,26
<i>M</i>	W/W	IPLV		4,69	4,80	4,82	4,80	4,82	5,00	4,82	4,86
<i>A</i>	mm	EET LENGTH		3050	3050	4000	4000	4000	4950	4950	4950
<i>N</i>	mm	EET SLN LENGHT		4000	4000	4950	4950	4950	5950	5950	5950
<i>C</i>	mm	EET WIDHT		2210	2210	2210	2210	2210	2210	2210	2210
<i>E</i>	mm	EET HEIGHT		2450	2450	2450	2450	2450	2450	2450	2450
1.0 MECHANICAL CONFIGURATION											
1,01	LN	Low noise version ISO 3744 (2)		4640	4640	5150	5415	5925	6440	6700	6965
1,02	SLN	Super low noise version (2)		7725	8500	9015	9275	9790	10300	10565	11075
1,03	GPRC	Protection refrigerant circuit		2065	2065	2575	2575	2575	2840	2840	2840
1,04	GPC	Condenser coil protection		1550	1550	1815	1815	1815	2065	2065	2325
1,05	CF	Condenser aluminium filter		2065	2065	2325	2325	3100	3615	3615	3615
1,06	ATV	Rubber type antivibrant mounting		1700	1700	2040	2040	2040	2115	2115	2115
1,07	ATS	Spring type antivibrant mounting		1965	1965	2200	2200	2200	2325	2325	2325
CONDENSING COIL											
1,08	CV	Epoxy coated aluminium fin coils		2065	2065	2840	2840	2840	3350	3350	3350
1,09	CG	Fin guard silver treatment coils		9790	9790	11075	11075	11075	12625	12625	12625
1,10	CC	Copper / Copper condenser		Please contact our sales office							
1,11	CHCP	Humidifying and cooling pads		Please contact our sales office							
2.0 HYDRIC CIRCUIT CONFIGURATION											
One pump											
2,01	WP	Single pump 2 poles with contacts and overload to combine with 2,15		3865	4075	4125	4415	4640	4900	5415	5675
2,02	VTP	Manual valve between tank and pump (to combine with 2,01 or 2,12)		775	775	940	940	940	1240	1425	1550
2,03	RAGP	Antifreeze heater pump		750	750	800	800	800	915	915	1015
2,04	SLNP	One Pump box (super low noise version) (to combine with 1,02)		1550	1550	1550	2065	2065	2065	2200	2200
2,05	IRP	One inverter pump		4125	4125	5150	5150	6440	6965	7725	8765
Double pump											
2,06	DP	Double pump 2 poles with contacts and overloads to combine with 2,15		7725	7990	8250	8765	9275	9790	10825	11340
2,07	AT	Management pumps (to combine with 2,06)		1550	1550	1550	1550	1815	1815	1815	1815
2,08	VTPD	Double manual valve between tank and double pump (to comb.2,06 and 2,12)		1550	1550	1865	1865	1865	2325	2840	3100
2,09	RAGDP	Antifreeze heater double pump		1425	1425	1575	1575	1575	1815	1815	2065
2,10	SLNDP	Double pump box (low noise version) (to combine with 1,02)		3100	3100	3100	4125	4125	4125	4390	4390
2,11	IRPD	Double inverter for double pump		9015	9015	10300	10300	12875	13915	15450	18025

Data referred to:

- (1) Inlet - outlet water temperature +12/+7 °C, 30% ethylene glycol, with fouling factor 0.000043 (m²K)/W - Ambient air temperature = +35°C
- (2) Average sound pressure level at distance of 10 m. referred to free field on reflecting surface. This value is calculated according to ISO3744



GROSS PRICE AIRCOOLED LIQUID CHILLERS KW 700 ÷1210 EET SERIES – R134A

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Page no. 3.3

P		BIG CHILLERS	Model	700	750	800	920	1000	1100	1210	1350	1500
E	€	Price of Basic model unit		136475	157850	180250	197500	211150	226600	247200	270375	296125
R	kW	NOMINAL COOLING CAPACITY (1)		697	741	792	918	1002	1095	1212	1350	1489
F	°C	COP		3,12	3,10	3,25	3,40	3,33	3,38	3,29	3,27	3,33
O	kW/kW	EER		2,87	2,86	2,96	3,04	3,01	3,08	2,99	2,98	3,03
R	W/W	ESEER		4,25	4,27	4,47	4,45	4,30	4,38	4,30	4,29	4,32
M	W/W	IPLV		4,82	4,87	5,13	5,07	4,86	5,00	4,86	4,84	4,89
A	mm	EET LENGTH		5950	5950	6850	8750	8750	8750	9700	10650	11600
N	mm	EET SLN LENGHT		6850	6850	8750	9700	9700	9700	10650	-	-
C	mm	EET WIDHT		2210	2210	2210	2210	2210	2210	2210	2210	2210
E	mm	EET HEIGHT		2450	2450	2450	2450	2450	2450	2450	2450	2450
1.0 MECHANICAL CONFIGURATION												
1,01	LN	Low noise version ISO 3744 (2)		7475	7725	7990	7990	9275	9790	10300	11590	12115
1,02	SLN	Super low noise version (2)		12115	12875	14690	15715	16740	17775	19315	N.A.	N.A.
1,03	GPRC	Protection refrigerant circuit		3350	3350	3615	4125	4125	4640	5675	6965	7215
1,04	GPC	Condenser coil protection		2840	2840	3100	3350	3615	4125	4900	6190	6700
1,05	CF	Condenser aluminium filter		4125	4125	4640	4900	4900	4900	5675	7475	7725
1,06	ATV	Rubber type antivibrant mounting		2300	2300	3100	3865	4390	4390	4390	4900	5100
1,07	ATS	Spring type antivibrant mounting		2575	2575	3615	4125	4800	5100	5415	5925	6190
CONDENSING COIL												
1,08	CV	Epoxy coated aluminium fin coils		3865	3865	4640	5925	6700	6965	7475	8250	8765
1,09	CG	Fin guard silver treatment coils		14690	14690	18800	22415	22925	23950	25500	28075	29875
1,10	CC	Copper / Copper condenser		Please contact our sales office								
1,11	CHCP	Humidifying and cooling pads		Please contact our sales office								
2.0 HYDRIC CIRCUIT CONFIGURATION												
One pump												
2,01	WP	Single pump 2 poles with contacts and overload to combine with 2;15		6190	6700	7725	9015	10300	11075	11590	12875	14165
2,02	VTP	Manual valve between tank and pump (to combine with 2,01 or 2,12)		1675	1815	2065	2250	2500	2840	3100	3615	3865
2,03	RAGP	Antifreeze heater pump		1015	1115	1115	1190	1265	1265	1265	1315	1375
2,04	SLNP	One Pump box (super low noise version) (to combine with 1,02)		2325	2325	2450	2450	2575	3100	3615	4125	4640
2,05	IRP	One inverter pump		10050	10825	11590	12115	13650	14690	16740	20350	22925
Double pump												
2,06	DP	Double pump 2 poles with contacts and overloads to combine with 2,15		12365	13400	15450	18025	20600	22150	23175	25750	28325
2,07	AT	Management pumps (to combine with 2,06)		2065	2065	2065	2065	2325	2325	2325	2325	2325
2,08	VTPD	Double manual valve between tank and double pump (to comb.2,06 and 2,12)		3350	3615	4125	4375	4900	5675	5925	6440	6965
2,09	RAGDP	Antifreeze heater double pump		2065	2325	2325	2400	2575	2575	2575	2840	3100
2,10	SLNDP	Double pump box (low noise version) (to combine with 1,02)		4640	4640	4900	4900	5150	6190	7215	7725	7990
2,11	IRPD	Double inverter for double pump		20600	21640	23175	24465	27300	29365	33475	39400	43015

Data referred to:

- (1) Inlet - outlet water temperature +12/+7 °C, 30% ethylene glycol, with fouling factor 0.000043 (m²K)/W - Ambient air temperature = +35°C
- (2) Average sound pressure level at distance of 10 m, referred to free field on reflecting surface. This value is calculated according to ISO3744



GROSS PRICE AIRCOOLED LIQUID CHILLERS KW 700 ÷ 1210 EET SERIES – R134A

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Page no. 3.4

BIG CHILLERS			Model	700	750	800	920	1000	1100	1210	1350	1500
Tank												
2,12	T	Tank carbon steel incl. safety valve and air vent nipple (to comb. 2,15)		5150	5150	5150	6440	6440	7725	7725	9015	9790
2,13	RAGT	Antifreeze heater inertial tank (to combine with 2,12)		1550	1815	1815	2065	2065	2325	2325	2575	2575
2,14	LLA	Electric float low level alarm (to combine with 2,12)		1550	1550	1550	1815	1815	2065	2065	2325	2325
Connections												
2,15	EVF	Insulated evaporator flanges + counter flanges		2065	2140	2250	2325	2475	2575	2575	3100	3350
2,16	RAGEV	Antifreeze heater flanges + counter flanges		1550	1815	1815	2065	2065	2325	2325	2575	2840
2,17	RAGE	Antifreeze heater evaporator		1550	1815	1815	2065	2065	2325	2325	2575	2575
2,18	FY	Y mechanical filter (supplied outside the unit)		2325	2325	3075	3350	3865	4390	5150	5675	6190
2,18	FL	Flow switch to combine with 2.15. Only flow switch supplied separately.		875	875	875	1040	1040	1040	1040	1290	1290
3.0 REFRIGERANT CIRCUIT CONFIGURATION												
3,01	CSV	Compressor suction and discharge valve		Included								
3,02	DRV	Dual relief valves "maintenable dual pressure relief valves assembly"		1550	1550	1815	1815	2065	2065	2325	2575	2840
3,03	PCN	Compressor liquid injection, incl. dehydrating filter and solenoid valve		4390	4390	4640	4640	5415	5925	6700	7215	7990
3,04	PDF	Oil differential pressure		1815	2065	2065	2065	2325	2325	2325	2325	2575
3,05	HP/LP	High and low pressure gauges for each circuit										
3,06	DS	Partial desuperheater (plate exchanger)		8500	9015	10050	11075	12115	12625	13650	14940	15975
3,07	HRS	Total heat recovery in series		Please contact our sales office								
3,08	HRP	Total heat recovery in parallel		Please contact our sales office								
3,09	LT	Low ambient temperature until -25°C		9015	10300	10300	10300	11590	11590	11590	12875	13650
4.0 ELECTRIC CIRCUIT CONFIGURATION												
4,01	RV	Fan speed regulator (phase cut)		Included								
4,02	EC	Ec fans (electronic commuted)		7725	8250	9275	12365	12625	12875	13915	14940	16740
4,03	IR	Remote inverters fans incl. sinusoidal filter (to comb. with 4.04)		8500	8765	10300	13140	13400	13650	14690	17000	18290
4,04	ES	Secondary thermo regulated electric board (to combine with 4.03)		1550	1815	1815	1815	2065	2065	2065	2325	2575
4,05	IFO	Individual fan overload (to combine with 4.04)		1815	2040	2225	2450	2575	3100	4125	4900	5675
4,06	RVG	General voltmetrical relay		Included								
4,07	CSF	3 phases sequences relay		Included								
Remote connections arrangement												
4,08	OFC	On-off compressors signal (free contact)		525	525	775	775	775	775	775	775	775
4,09	RS485	Serial card for carel/modbus(RS485)		390	390	525	525	525	525	525	525	525
4,10	LON	Serial card for echelon		525	525	525	525	650	650	650	650	650
4,11	BAC	Serial card for BACNET		915	915	915	1040	1040	1040	1040	1040	1040
4,12	PLW	PlantwatchPRO		Please contact our sales office								
4,13	PLV	Plantvisor		Please contact our sales office								
5.0 PACKING												
5,01	WCA	Wooden cage packing ISPM15		7725	8765	8765	9790	11340	11850	12625	14425	15200
5,02	NCC	Nylon +cartoon corners + coil protection packing										
5,03	ANS	Rubber pad antivibrating (shipment)		1550	1550	1815	2065	2065	2325	2325	2325	2575
For additional options You do not find in this pricelist, please contact our sales office. Thank You.												



GROSS PRICE AIRCOOLED LIQUID CHILLERS KW 210 ÷1350 EEF SERIES – R134A

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Page no. 4.1

AIR COOLED LIQUID CHILLER WITH FREE COOLING AND ECONOMIZER																		
P	Mod.	BIG CHILLERS	210	250	300	330	380	430	510	580	700	750	800	920	1000	1100	1210	1350
E	€	Price of Basic model unit	78290	91215	99350	105575	113300	126950	131325	141625	151925	172525	208575	221450	234325	241800	266515	303850
R	kW	NOMINAL COOLING CAPACITY (1)	213	248	297	325	382	427	509	580	697	741	792	918	1002	1095	1212	1350
F	°C	COP	3,16	3,27	2,99	3,18	3,26	3,04	2,96	3,03	3,12	3,10	3,25	3,40	3,33	3,38	3,29	3,27
O	kW/kW	EER	2,68	2,82	2,67	2,84	2,87	2,73	2,71	2,75	2,82	2,82	2,91	3,04	3,01	3,04	2,96	2,95
R	W/W	ESEER	4,08	4,25	4,28	4,25	4,25	4,37	4,23	4,26	4,25	4,27	4,47	4,45	4,30	4,38	4,30	4,29
M	W/W	IPLV	4,69	4,80	4,82	4,80	4,82	5,00	4,82	4,86	4,82	4,87	5,13	5,07	4,86	5,00	4,86	4,84
A	mm	EEF LENGTH	4000	4000	4000	4000	4950	4950	4950	5950	6850	6850	7800	8750	8750	9700	10650	11600
N	mm	EEF SLN LENGHT	Please contact our sales office															
C	mm	EEF WIDHT	2210	2210	2210	2210	2210	2210	2210	2210	2210	2210	2210	2210	2210	2210	2210	2210
E	mm	EEF HEIGHT	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450
1.0 MECHANICAL CONFIGURATION																		
1,01	LN	Low noise version ISO 3744 (2)	4640	4640	5150	5415	5925	6440	6700	6965	7475	7725	7990	7990	9275	9790	10300	11590
1,02	SLN	Super low noise version (2)	Please contact our sales office															
1,03	GPRC	Protection refrigerant circuit	2575	2575	2575	2575	2840	2840	2840	3350	3615	3615	3865	4125	4125	5150	5925	7475
1,04	GPC	Condenser coil protection	1815	1815	1815	1815	2065	2065	2065	2325	2840	2840	3100	3350	3615	4640	4900	6965
1,05	CF	Condenser aluminium filter	2325	2325	2325	2325	3615	3615	3615	4125	4640	4640	4800	4900	4900	5675	6190	7475
1,06	ATV	Rubber type antivibrant mounting	2040	2040	2040	2040	2115	2115	2115	2300	3100	3100	3350	4390	4390	4900	5415	6700
1,07	ATS	Spring type antivibrant mounting	2200	2200	2200	2200	2325	2325	2325	2575	3615	3615	3865	4125	4125	5415	5925	6965
CONDENSING COIL																		
1,08	CV	Epoxy coated aluminium fin coils	2840	2840	2840	2840	3350	3350	3350	3865	4640	4640	5675	6700	6700	7475	7990	9275
1,09	CG	Fin guard silver treatment coils	11075	11075	11075	11075	12625	12625	12625	14690	17265	18800	19840	22415	22415	23175	25500	27300
1,10	CC	Copper / Copper condenser	Please contact our sales office															
1,11	CHCP	Humidifying and cooling pads	Please contact our sales office															
2.0 HYDRIC CIRCUIT CONFIGURATION																		
One pump																		
2,01	WP	Single pump 2 poles with contacts and overload (with2,15)	3865	4075	4125	4415	4640	4900	5415	5675	6190	6700	7725	9015	10300	11075	11590	13400
2,02	VTP	Manual valve between tank and pump (with 2,01 or 2,12)	775	775	940	940	940	1240	1425	1550	1675	1815	2065	2250	2500	2840	3100	3865
2,03	RAGP	Antifreeze heater pump	750	750	800	800	800	915	915	1015	1015	1115	1115	1190	1265	1265	1265	1450
2,04	SLNP	One Pump box(super low noise version) (to comb.with1,02)	1550	1550	1550	2065	2065	2065	2200	2200	2325	2325	2450	2450	2575	3100	3615	4390
2,05	IRP	One inverter pump	4125	4125	5150	5150	6440	6965	7725	8765	10050	10825	11590	12115	13650	14690	16740	19315
Double pump																		
2,06	DP	Double pump 2 poles with contacts and overloads (with2,15)	7725	7990	8250	8765	9275	9790	10825	11340	12365	13400	15450	18025	20600	22150	23175	27300
2,07	AT	Management pumps (to combine with 2,06)	1550	1550	1550	1550	1815	1815	1815	2065	2065	2065	2065	2325	2325	2325	2325	2325
2,08	VTPD	Double man.valve between T and DP(to comb.2,06&2,12)	1550	1550	1865	1865	1865	2325	2840	3100	3350	3615	4125	4390	4900	5675	5925	6965
2,09	RAGDP	Antifreeze heater double pump	1425	1425	1575	1575	1575	1815	1815	2065	2065	2325	2325	2400	2575	2575	2575	2840
2,10	SLNDP	Double pump box (low noise version) (to combine with 1,02)	3100	3100	3100	4125	4125	4125	4390	4390	4640	4640	4900	4900	5150	6190	7215	8250
2,11	IRPD	Double inverter for double pump	9015	9015	10300	10300	12875	13915	15450	18025	20600	21640	23175	24465	27300	29365	33475	40175

Data referred to:

- (1) Inlet - outlet water temperature +12/+7 °C, 30% ethylene glycol, with fouling factor 0.000043 (m²K)/W - Ambient air temperature = +35°C
- (2) Average sound pressure level at distance of 10 m, referred to free field on reflecting surface. This value is calculated according to ISO3744



GROSS PRICE AIRCOOLED LIQUID CHILLERS KW 210 ÷ 1350 EEF SERIES – R134A

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Page no. 4.2

Mod.	BIG CHILLERS	Model	210	250	300	330	380	430	510	580	700	750	800	920	1000	1100	1210	1350
Tank																		
2,12	T	Tank carbon steel incl. safety valve and air vent nipple (to comb. 2,15)	3350	3865	3865	3865	3865	3865	4125	4125	5150	5150	5150	6440	6440	7725	7725	9540
2,13	RAGT	Antifreeze heater inertial tank (to combine with 2,12)	1040	1040	1040	1290	1290	1290	1290	1550	1550	1815	1815	2065	2065	2325	2325	2575
2,14	LLA	Electric float low level alarm (to combine with 2,12)	1040	1040	1040	1290	1290	1290	1290	1550	1550	1550	1550	1815	1815	2065	2065	2325
Connections																		
2,15	EVF	Insulated evaporator flanges + counter flanges	Included															
2,16	RAGEV	Antifreeze heater flanges + counter flanges	1040	1040	1040	1290	1290	1290	1290	1550	1550	1815	1815	2065	2065	2325	2325	2575
2,17	RAGE	Antifreeze heater evaporator	1040	1040	1265	1265	1290	1290	1290	1550	1550	1815	1815	2065	2065	2325	2325	2575
2,18	FY	Y mechanical filter (supplied outside the unit)	1040	1550	1550	1815	1815	2065	2065	2065	2325	2325	3075	3350	3865	4390	5150	5675
2,18	FL	Flow switch to combine with 2.15. Only flow switch supplied separately.	725	725	725	775	775	775	775	875	875	875	875	1040	1040	1040	1040	1290
3.0 REFRIGERANT CIRCUIT CONFIGURATION																		
3,01	CSV	Compressor suction and discharge valve	Included															
3,02	DRV	Dual relief valves "maintenable dual pressure relief valves assembly"	915	915	965	1040	1165	1165	1425	1550	1550	1550	1815	1815	2065	2065	2325	2575
3,03	PCN	Compressor liquid injection, incl. dehydrating filter and solenoid valve	2575	3350	3865	3865	4125	4125	4125	4390	4390	4390	4640	4640	5415	5925	6700	7215
3,04	PDF	Oil differential pressure	1040	1040	1040	1550	1550	1550	1815	1815	1815	2065	2065	2065	2325	2325	2325	2325
3,05	HP/LP	High and low pressure gauges for each circuit	Included															
3,06	DS	Partial desuperheater (plate exchanger)	2325	2325	2325	2325	3865	5150	6440	7475	8500	9015	10050	11075	12115	12625	13650	14940
3,07	HRS	Total heat recovery in series	Please contact our sales office															
3,08	HRP	Total heat recovery in parallel	Please contact our sales office															
3,09	LT	Low ambient temperature until -25°C	3865	4640	5150	6440	7725	7725	9015	9015	9015	10300	10300	10300	11590	11590	11590	12875
4.0 ELECTRIC CIRCUIT CONFIGURATION																		
4,01	RV	Fan speed regulator (phase cut)	Included															
4,02	EC	Ec fans (electronic commuted)	4640	4640	4640	4640	6190	6190	6190	7725	9275	9275	10050	12625	12625	13915	14940	16490
4,03	IR	Remote inverters fans incl. sinusoidal filter (to comb. with 4.04)	6190	6190	6190	6190	6965	6965	6965	8500	10300	10300	11850	13140	13140	14690	15975	17775
4,04	ES	Secondary thermo regulated electric board (to combine with 4.03)	1290	1290	1290	1290	1545	1545	1545	1805	2060	2060	2060	2320	2320	2575	2835	3090
4,05	IFO	Individual fan overload (to combine with 4.04)	1040	1040	1040	1040	1450	1450	1450	1940	2225	2225	2575	3100	3100	4125	4900	5925
4,06	RVG	General voltmetrical relay	Included															
4,07	CSF	3 phases sequences relay	Included															
Remote connections arrangement																		
4,08	OFC	On-off compressors signal (free contact)	390	390	390	465	465	525	525	525	525	525	775	775	775	775	775	775
4,09	RS485	Serial card for carel/modbus(RS485)	265	265	265	290	315	390	390	390	390	390	525	525	525	525	525	525
4,10	LON	Serial card for echelon	440	440	440	500	500	500	525	525	525	525	525	650	650	650	650	650
4,11	BAC	Serial card for BACNET	775	775	775	775	775	775	775	915	915	915	915	1040	1040	1040	1040	1040
4,12	PLW	PlantwatchPRO	Please contact our sales offices															
4,13	PLV	Plantvisor	Please contact our sales offices															
5.0 PACKING																		
5,01	WCA	Wooden cage packing ISPM15	5415	5415	5415	5415	6700	6700	6700	7475	8765	8765	9790	11340	11340	12625	13400	15200
5,02	NCC	Nylon +cartoon corners + coil protection packing	Included															
5,03	ANS	Rubber pad antivibrating (shipment)	1290	1290	1290	1290	1550	1550	1550	1550	1815	1815	1965	2065	2065	2500	3075	3350

For additional options You do not find in this pricelist, please contact our sales office. Thank You.



GROSS PRICE AIRCOOLED LIQUID CHILLERS KW 230 ÷1330 EHET SERIES – R134A

updated on:
27 July 2011

Page no. 5.1

AIR COOLED LIQUID CHILLER WITH ECONOMIZER														HIGH EFFICIENCY CLASS A			
P		BIG CHILLERS	Model	230	290	340	370	440	510	600	750	820	880	920	1070	1160	1330
E	€	Price of Basic model unit		64375	79825	91675	99400	109025	120775	135190	160040	182825	192875	202400	221450	252350	270375
R	kW	NOMINAL COOLING CAPACITY (1)		235	284	342	376	442	507	601	744	814	877	923	1066	1158	1330
F	°C	COP		3,37	3,55	3,44	3,58	3,63	3,63	3,43	3,43	3,48	3,55	3,62	3,57	3,42	3,48
O	kW/kW	EER		3,10	3,10	3,15	3,30	3,30	3,34	3,16	3,20	3,23	3,28	3,31	3,27	3,14	3,20
R	W/W	ESEER		4,35	4,70	4,78	4,70	4,90	4,86	4,76	4,80	4,89	4,95	4,91	4,95	4,75	4,88
M	W/W	IPLV		4,97	5,29	5,36	5,29	5,50	5,52	5,41	5,44	5,48	5,62	5,60	5,62	5,45	5,61
A	W/W	EHET LENGTH		3050	4000	4000	4000	4950	4950	5950	5950	6850	7800	8750	9700	10650	11600
N	mm	EHET SLN LENGHT		4000	4950	4950	4950	5950	5950	6850	6850	7800	8750	9700	10650	11600	N.A.
C	mm	EHET WIDHT		2210	2210	2210	2210	2210	2210	2210	2210	2210	2210	2210	2210	2210	2210
E	mm	EHET HEIGHT		2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450
1.0 MECHANICAL CONFIGURATION																	
1,01	LN	Low noise version ISO 3744 (2)		4640	4640	5150	5675	6440	6700	6965	7475	7990	8250	8500	9275	9790	10300
1,02	SLN	Super low noise version (2)		7725	9015	9275	9790	10300	10565	11075	12875	14165	14940	15715	18290	20350	N.A.
1,03	GPRC	Protection refrigerant circuit		2065	2575	2575	2575	2840	2840	3350	3350	3615	3865	4125	4390	4640	4900
1,04	GPC	Condenser coil protection		1550	1550	1815	1815	2065	2065	2840	2840	3100	3350	3615	3865	4640	4900
1,05	CF	Condenser aluminium filter		2065	2065	2325	3100	3615	3615	4125	4125	4640	4900	4900	5150	5415	5675
1,06	ATV	Rubber type antivibrant mounting		1700	1700	2040	2040	2115	2115	2300	2300	3100	3490	3865	4390	4640	4900
1,07	ATS	Spring type antivibrant mounting		1965	1965	2200	2200	2325	2325	2575	2575	3615	3865	4125	4790	5100	5415
CONDENSING COIL																	
1,08	CV	Epoxy coated aluminium fin coils		2065	2065	2065	2065	3100	3100	3865	3865	4125	4390	5925	6700	7215	7725
1,09	CG	Fin guard silver treatment coils		9790	10300	10300	10300	12625	12625	14690	14690	17265	19840	22415	22925	23950	25500
1,10	CC	Copper / Copper condenser		Please contact our sales office													
1,11	CHCP	Humidifying and cooling pads		Please contact our sales office													
2.0 HYDRIC CIRCUIT CONFIGURATION																	
One pump																	
2,01	WP	Single pump 2 poles with contacts and overload to combine with 2;15		3865	4125	4415	4640	4900	5415	5675	6700	7475	7990	9015	10300	12115	14165
2,02	VTP	Manual valve between tank and pump (to combine with 2,01 or 2,12)		775	775	940	940	1240	1425	1550	1815	2065	2065	2325	2575	3100	3350
2,03	RAGP	Antifreeze heater pump		750	750	775	775	1040	1040	1040	1040	1290	1290	1290	1550	1550	1550
2,04	SLNP	One Pump box (super low noise version) (to combine with 1,02)		1550	1550	1550	2065	2200	2200	2325	2325	2325	2450	2450	2575	3100	3615
2,05	IRP	One inverter pump		4125	5150	5150	6440	6965	7725	8765	10825	11850	12365	14425	17000	19575	23175
Double pump																	
2,06	DP	Double pump 2 poles with contacts and overloads to combine with 2,15		8250	8715	9015	9275	10050	10300	11290	12115	14425	15200	18025	20865	23175	25750
2,07	AT	Management pumps (to combine with 2,06)		1550	1550	1550	1815	1815	1815	2065	2065	2065	2325	2325	2325	2325	2325
2,08	VTPD	Double man. valve between tank and double pump(comb.2,06&2,12)		1550	1550	1865	1865	2475	2840	3100	3615	4125	4125	4640	5150	6190	6700
2,09	RAGDP	Antifreeze heater double pump		1425	1425	1475	1475	1890	1890	1890	1890	2325	2325	2325	2575	2575	2575
2,10	SLNDP	Double pump box (low noise version) (to combine with 1,02)		3100	3100	3100	4125	4125	4125	4390	4390	4900	4900	5150	5415	5675	5925
2,11	IRPD	Double inverter for double pump		9015	9540	10300	12875	13915	15450	17515	21640	23700	24725	25240	27300	29365	36050

Data referred to:

- (1) Inlet - outlet water temperature +12/+7 °C, 30% ethylene glycol, with fouling factor 0.000043 (m²K)/W - Ambient air temperature = +35°C
- (2) Average sound pressure level at distance of 10 m. referred to free field on reflecting surface. This value is calculated according to ISO3744



GROSS PRICE AIRCOOLED LIQUID CHILLERS KW 230 ÷1330 EHET SERIES – R134A

updated on:
27 July 2011

Page no. 5.2

BIG CHILLERS		Model	230	290	340	370	440	510	600	750	820	880	920	1070	1160	1330
Tank																
2,12	T	Tank carbon steel incl. safety valve and air vent nipple (to comb. 2,15)	3350	3350	3865	3865	3865	3865	3865	6440	6440	6440	6440	7725	7725	7725
2,13	RAGT	Antifreeze heater inertial tank (to combine with 2,12)	1165	1165	1165	1165	1165	1165	1190	1815	1815	1815	1815	2325	2325	2325
2,14	LLA	Electric float low level alarm (to combine with 2,12)	1040	1040	1040	1040	1290	1290	1290	1550	1550	1550	1815	1815	1815	1815
Connections																
2,15	EVF	Insulated evaporator flanges + counter flanges (standard victaulic)	1290	1290	1290	1550	1550	1750	1750	1915	2065	2200	2325	2325	2575	3100
2,16	RAGEV	Antifreeze heater flanges connections	1040	1040	1040	1040	1290	1290	1550	1550	1550	1550	1815	1815	2065	2065
2,17	RAGE	Antifreeze heater evaporator	800	1015	1165	1165	1450	1450	1790	1790	2015	2015	2325	2575	2575	2575
2,18	FY	Y mechanical filter (supplied outside the unit)	775	775	775	775	1040	1040	1550	1550	1815	1815	2065	3615	4640	5675
2,18	FL	Flow switch to combine with 2.15. Only flow switch supplied separately.	725	725	725	725	725	725	725	1040	1040	1040	1040	1290	1290	1290
3.0 REFRIGERANT CIRCUIT CONFIGURATION																
3,01	CSV	Compressor suction and discharge valve	Included													
3,02	DRV	Dual relief valves "maintenable dual pressure relief valves assembly"	915	915	915	1165	1165	1290	1550	1815	1815	2040	2250	2325	2325	2325
3,03	PCN	Compressor liquid injection, incl. dehydrating filter and solenoid valve	2575	2575	3350	3865	4390	4640	4640	5150	5150	5925	6440	6965	7725	9015
3,04	PDF	Oil differential pressure	1815	1815	2065	2065	2325	2325	2525	2575	2840	3100	3100	3100	3615	3615
3,05	HP/LP	High and low pressure gauges for each circuit	Included													
3,06	LPT	Low pressure transducers	265	265	265	525	525	525	775	775	775	940	940	1040	1290	1290
3,07	DS	Partial desuperheater (plate exchanger)	5150	5415	5925	6190	6965	7475	8250	9790	10050	10825	11850	14425	15975	17265
3,08	HRS	Total heat recovery in series	Please contact our sales office													
3,09	HRP	Total heat recovery in parallel	Please contact our sales office													
3,10	LT	Low ambient temperature until -25°C	4900	4900	4900	6440	6440	6700	7475	8250	8500	8765	9015	9540	10825	11850
4.0 ELECTRIC CIRCUIT CONFIGURATION																
4,01	RV	Fan speed regulator (phase cut)	Included													
4,02	EC	Ec fans (electronic commuted)	3100	4640	4640	4640	6190	6190	6965	6965	7725	8765	10050	11340	12365	13400
4,03	IR	Remote invert. fans incl. inductances and sinusoidal filter (to comb. with 4.04)	3865	4900	4900	4900	6700	6700	8250	8250	9790	11340	13140	14425	16225	17775
4,04	ES	Secondary thermo regulated electric board (to combine with 4.03)	1040	1040	1290	1290	1290	1550	1550	1815	1815	1815	1815	2065	2065	2325
4,05	IFO	Individual fan overload (to combine with 4.04)	915	1015	1015	1015	1165	1165	1550	1550	1675	1815	2200	2450	3615	4125
4,06	RVG	General voltmeterical relay	Included													
4,07	CSF	3 phases sequences relay	Included													
Remote connections arrangement																
4,08	OFC	On-off compressors signal (free contact)	265	265	265	265	525	525	525	525	775	775	775	775	775	775
4,09	RS485	Serial card for carel/modbus(RS485)	215	215	215	265	265	315	315	390	390	415	415	440	440	440
4,10	LON	Serial card for echelon	440	440	440	500	500	500	525	525	525	525	525	650	650	650
4,11	BAC	Serial card for BACNET	725	725	725	725	800	800	800	1040	1040	1040	1040	1290	1550	1550
4,12	PLV	PlantwatchPRO	Please contact our sales office													
4,13	PLW	Plantvisor	Please contact our sales office													
5.0 PACKING																
5,01	WCA	Wooden cage packing ISPM15	4390	4900	5415	5415	5925	6700	7475	7725	8765	9275	10050	10300	12875	15450
5,02	NCC	Nylon +cartoon corners + coil protection packing	Included													
5,03	ANS	Rubber pad antivibrating (shipment)	1290	1290	1290	1550	1550	1815	1815	2065	2065	2065	2325	2575	2840	3100

For additional options You do not find in this pricelist. please contact our sales office. Thank You.



GROSS PRICE AIRCOOLED LIQUID CHILLERS KW 230 ÷1330 EHEF SERIES – R134A

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27 July 2011

Page no. 6.1

AIR COOLED LIQUID CHILLER WITH FREE COOLING AND ECONOMIZER													HIGH EFFICIENCY CLASS A				
P		BIG CHILLERS	Model	230	290	340	370	440	510	600	750	820	880	920	1070	1160	1330
E	€	Price of Basic model unit		77250	90125	102750	112540	124125	135450	147550	181025	200340	211150	226350	247200	278100	296125
R	kW	NOMINAL COOLING CAPACITY (1)		235	284	342	376	442	507	601	744	814	877	923	1066	1158	1330
F	°C	COP		3,52	3,54	3,44	3,58	3,63	3,63	3,43	3,43	3,48	3,55	3,62	3,57	3,48	3,48
O	kW/kW	EER		3,10	3,18	3,15	3,21	3,30	3,28	3,16	3,16	3,19	3,24	3,27	3,24	3,17	3,20
R	W/W	ESEER		4,35	4,70	4,78	4,70	4,90	4,86	4,76	4,80	4,89	4,95	4,91	4,95	4,75	4,88
M	W/W	IPLV		4,97	5,29	5,36	5,29	5,50	5,52	5,41	5,44	5,48	5,62	5,60	5,62	5,45	5,61
A	W/W	EHEF LENGTH		4000	4000	4000	4950	4950	5950	5950	6850	7800	8750	9700	10650	11600	11600
C	mm	EHEF WIDHT		2210	2210	2210	2210	2210	2210	2210	2210	2210	2210	2210	2210	2210	2210
E	mm	EHEF HEIGHT		2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450
1.0 MECHANICAL CONFIGURATION																	
1,01	LN	Low noise version ISO 3744 (2)		4640	4640	5150	5675	6440	6700	6965	7475	7990	8250	8500	9275	9790	10300
1,02	SLN	Super low noise version (2)		Please contact our sales office													
1,03	GPRC	Protection refrigerant circuit		2575	2575	2575	2840	2840	3350	3350	3865	4125	4390	4640	4900	5150	5150
1,04	GPC	Condenser coil protection		1815	1815	1815	2065	2065	2325	2325	2575	2840	3100	3350	3615	4125	4125
1,05	CF	Condenser aluminium filter		2325	2325	2325	3100	3100	3615	3615	3865	4365	4615	4875	5125	5415	5415
1,06	ATV	Rubber type antivibrant mounting		1675	1675	1675	1940	1940	2200	2200	3100	3490	3865	4390	4640	4900	5150
1,07	ATS	Spring type antivibrant mounting		1940	1940	2040	2325	2325	2575	2575	3615	3865	4125	4800	5100	5415	5415
CONDENSING COIL																	
1,08	CV	Epoxy coated aluminium fin coils		2325	2325	2325	3100	3100	3865	3865	4125	4390	5925	6700	7215	7725	7725
1,09	CG	Fin guard silver treatment coils		10300	10300	10300	12625	12625	14690	14690	17265	19840	22415	23175	25500	27815	27815
1,10	CC	Copper / Copper condenser		Please contact our sales office													
1,11	CHCP	Humidifying and cooling pads		Please contact our sales office													
2.0 HYDRIC CIRCUIT CONFIGURATION																	
One pump																	
2,01	WP	Single pump 2 poles with contacts and overload to combine with 2;15		3865	4125	4415	4640	4900	5415	5675	6700	7475	7990	9015	10300	12115	14165
2,02	VTP	Manual valve between tank and pump (to combine with 2,01 or 2,12)		775	775	940	940	1240	1290	1550	1815	2065	2065	2325	2575	3100	3350
2,03	RAGP	Antifreeze heater pump		775	775	775	775	1040	1040	1040	1290	1290	1290	1550	1550	1550	1550
2,04	SLNP	One Pump box (super low noise version) (to combine with 1,02)		1550	1550	1550	2065	2200	2325	2325	2325	2450	2450	2450	2575	3100	3615
2,05	IRP	One inverter pump		4125	5150	5150	6440	6965	7725	8765	10825	11850	12365	14425	17000	19575	23175
Double pump																	
2,06	DP	Double pump 2 poles with contacts and overloads to combine with 2,15		8250	8765	9015	9275	10050	10300	11315	12115	13140	13915	18025	20865	23175	25750
2,07	AT	Management pumps (to combine with 2,06)		1550	1550	1550	1815	1815	1815	2065	2065	2065	2325	2325	2325	2325	2325
2,08	VTPD	Double manual valve between tank and double pump (to comb.2,06&2,12)		1550	1550	1865	1865	2475	2840	3100	3615	4125	4125	4640	5150	6190	6700
2,09	RAGDP	Antifreeze heater double pump		1425	1425	1475	1475	1890	1890	1890	1890	2325	2325	2325	2575	2575	2575
2,10	SLNDP	Double pump box (low noise version) (to combine with 1,02)		3100	3100	3100	4125	4125	4125	4390	4390	4900	4900	5150	5415	5675	5925
2,11	IRPD	Double inverter for double pump		9015	9540	10300	12875	13915	15450	17515	20600	23700	25240	27300	29875	32450	35800

Data referred to:

- (1) Inlet - outlet water temperature +12/+7 °C, 30% ethylene glycol, with fouling factor 0.000043 (m²K)/W - Ambient air temperature = +35°C
- (2) Average sound pressure level at distance of 10 m, referred to free field on reflecting surface. This value is calculated according to ISO3744



GROSS PRICE AIRCOOLED LIQUID CHILLERS KW 230 ÷1330 EHF SERIES – R134A

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Page no. 6.2

BIG CHILLERS			Model	230	290	340	370	440	510	600	750	820	880	920	1070	1160	1330
Tank																	
2,12	T	Tank carbon steel incl. safety valve and air vent nipple (to comb. 2,15)		3350	3350	3865	3865	3865	3865	3865	6440	6440	6440	6440	6440	7725	7725
2,13	RAGT	Antifreeze heater inertial tank (to combine with 2,12)		1165	1165	1165	1165	1165	1165	1165	1815	1815	1815	1815	2325	2325	2325
2,14	LLA	Electric float low level alarm (to combine with 2,12)		1040	1040	1040	1040	1290	1290	1290	1550	1550	1550	1550	1815	1815	1815
Connections																	
2,15	EVF	Insulated evaporator flanges + counter flanges		Included													
2,16	RAGEV	Antifreeze heater flanges connections		1040	1040	1040	1040	1290	1290	1550	1550	1550	1550	1815	1815	2065	2065
2,17	RAGE	Antifreeze heater evaporator		800	1015	1165	1165	1450	1450	1790	1790	2015	2015	2325	2575	2575	2575
2,18	FY	Y mechanical filter (supplied outside the unit)		775	775	775	775	1040	1040	1550	1550	1815	2065	2325	3615	4640	5675
2,18	FL	Flow switch to combine with 2.15. Only flow switch supplied separately.		775	775	775	775	775	775	775	775	1040	1040	1040	1290	1290	1290
3.0 REFRIGERANT CIRCUIT CONFIGURATION																	
3,01 CSV Compressor suction and discharge valve																	
Included																	
3,02	DRV	Dual relief valves "maintenable dual pressure relief valves assembly"		915	915	915	1165	1165	1290	1550	1815	1815	2040	2250	2325	2325	2325
3,03	PCN	Compressor liquid injection, incl. dehydrating filter and solenoid valve		2575	2575	3350	3865	4390	4640	4640	5150	5150	5925	6440	6965	7725	9015
3,04	PDF	Oil differential pressure		1815	1815	2065	2065	2325	2325	2525	2575	2840	3100	3100	3100	3615	3615
3,05	HP/LP	High and low pressure gauges for each circuit		Included													
3,06	LPT	Low pressure transducers		265	265	265	525	525	525	775	775	775	940	940	1040	1290	1290
3,07	DS	Partial desuperheater (plate exchanger)		5150	5415	5925	6190	6965	7475	8250	9790	10050	10825	11850	14425	15715	17775
3,08	HRS	Total heat recovery in series		Please contact our sales office													
3,09	HRP	Total heat recovery in parallel		Please contact our sales office													
3,10	LT	Low ambient temperature until -25°C		4900	4900	4900	6440	6440	6700	7475	8250	8500	8765	9015	9540	10825	11850
4.0 ELECTRIC CIRCUIT CONFIGURATION																	
4,01 RV Fan speed regulator (phase cut)																	
Included																	
4,02	EC	Ec fans (electronic commuted)		4640	4640	4640	6190	6190	6965	6965	7725	8765	10050	11340	12365	13400	13400
4,03	IR	Remote invert fans incl. inductances and sinusoidal filter (to comb. with 4.04)		4900	4900	4900	6700	6700	8250	8250	8500	9275	11075	11850	12875	13915	14425
4,04	ES	Secondary thermo regulated electric board (to combine with 4.03)		1040	1040	1290	1290	1290	1550	1550	1550	1815	1815	2065	2065	2325	2325
4,05	IFO	Individual fan overload (to combine with 4.04)		1015	1015	1015	1165	1165	1290	1550	1675	1815	2200	2450	3615	4125	4125
4,06	RVG	General voltmeterical relay		Included													
4,07	CSF	3 phases sequences relay		Included													
Remote connections arrangement																	
4,08	OFC	On-off compressors signal (free contact)		265	265	265	265	525	525	525	525	775	775	775	775	775	775
4,09	RS485	Serial card for carel/modbus(RS485)		215	215	215	265	265	315	315	390	390	415	415	440	440	440
4,10	LON	Serial card for echelon		440	440	440	500	500	500	525	525	525	525	525	650	650	650
4,11	BAC	Serial card for BACNET		725	725	725	725	800	800	800	1040	1040	1040	1040	1290	1550	1550
4,12	PLV	PlantwatchPRO		Please contact our sales office													
4,13	PLW	Plantvisor		Please contact our sales office													
5.0 PACKING																	
5,01	WCA	Wooden cage packing ISPM15		4125	4900	5675	5675	6965	6965	7475	7990	8765	9275	10050	10300	12875	15450
5,02	NCC	Nylon +cartoon corners + coil protection packing		Included													
5,03	ANS	Rubber pad antivibrating (shipment)		1290	1290	1290	1550	1550	1815	1815	2065	2065	2065	2325	2575	2840	3100

For additional options You do not find in this pricelist. please contact our sales office. Thank You.



GROSS PRICE AIRCOOLED LIQUID CHILLERS KW 220 ÷1370 ITC SERIES – R134A

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02 August 2011

Page no. 7.1

AIR COOLED LIQUID CHILLER, INVERTER DRIVEN SCREW WITH ECONOMIZER												HIGH EFFICIENCY CLASS A				
P		BIG CHILLERS	Model	250	300	360	440	500	560	600	730	820	950	1100	1250	1370
E	€	Price Basic model unit		95275	108150	123600	151925	161715	170725	186950	213725	224550	254925	272950	283250	316725
R	kW	NOMINAL COOLING CAPACITY 70Hz–35°C AMB.TEMPERAT. (1)		249	302	365	439	498	561	604	730	822	948	1103	1248	1368
F	kW	COMPRESSOR NOMINAL ABSORBED POWER		84.6	102.3	115.8	76.0	84.6	95.0	102.3	115.8	128.0	146.1	172.9	193.6	203.0
O	A	COMPRESSOR NOMINAL ABSORBED CURRENT		135.1	163.3	184.9	121.3	135.1	151.7	163.3	184.9	204.4	233.3	276.1	309.1	324.1
R	W/W	COP		2.95	2.95	3.15	2.89	2.94	2.95	2.95	3.15	3.21	3.24	3.19	3.22	3.37
M	W/W	EER		2.63	2.69	2.86	2.68	2.69	2.72	2.74	2.90	2.93	2.96	2.92	2.95	3.04
A	kW	50% LOAD COOLING CAPACITY 30Hz – 15°C AMB.TEMPERAT.		161	194	210	285	321	360	388	420	489	564	647	766	839
N	kW	COMPRESSOR ABSORBED POWER		21	25	25	19	21	23	25	25	30	35	41	46	49
C	W/W	COP		7.72	7.75	8.42	7.61	7.72	7.73	7.75	8.42	8.10	8.08	7.97	8.40	8.58
E	W/W	EER		6.48	6.68	7.06	6.75	6.69	6.80	6.87	7.26	6.99	6.96	6.89	7.25	7.27
	mm	ITC LENGTH		5010	5010	6450	4000	4950	4950	4950	5950	6850	7800	8750	9700	11600
	mm	ITC SLN LENGTH		-	-	-	4950	5950	5950	5950	6850	7800	8750	9700	11600	-
	mm	ITC WIDHT		1310	1310	1310	2210	2210	2210	2210	2210	2210	2210	2210	2210	2210
	mm	ITC HEIGHT		2105	2105	2105	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450
1.0 MECHANICAL CONFIGURATION																
1,01	LN	Low noise version (2)*		3350	3350	3350	6190	6190	6440	6965	7475	7990	8500	9015	9540	10300
1,02	SLN	Super low noise version		6700	6700	6700	7475	8765	10050	10300	12875	14165	16740	18025	19575	-
1,03	GPRC	Protection refrigerant circuit		included			0	0	3100	3350	3615	4125	4640	5150	6190	6700
1,04	GPC	Condenser coil protection		1290	1290	1290	2065	2450	2450	2450	3615	4900	5675	6190	6965	7725
1,05	CF	Condenser aluminium filter		1550	1550	1550	3100	3490	3815	4125	4900	5925	6440	6700	7475	8500
1,06	ATV	Rubber type antivibrant mounting		1815	1815	1815	2200	2325	2325	2325	2575	2840	2965	3100	3100	3865
1,07	ATS	Spring type antivibrant mounting		2065	2065	2065	2325	2325	2325	2575	2840	3100	3590	3865	4125	5150
CONDENSING COIL																
1,08	CV	Epoxy coated aluminium fin coils		1815	1815	1815	2575	3350	3615	3865	4125	4640	5150	5925	6440	6700
1,09	CG	Fin guard silver treatment coils		5150	5150	6190	9790	10825	10825	10825	15450	17775	20350	25240	27565	33225
1,10	CC	Copper/ Copper condenser		Please contact our sales office												
1,11	CHCP	Humidifying and cooling pads		Please contact our sales office												

Data referred to:

(1) Inlet - outlet water (30% eth. glycole temperature) +12/+7 °C, with fouling factor 0.000043 (m²K)/W - Ambient air temperature = +35°C

(2) Average sound pressure level at distance of 10 m, referred to free field on reflecting surface. This value is calculated according to ISO3744.

(*) For ITC 220 - 340 low noise with jacket. For ITC 440 - 1370 low noise with compressors cabinet.



GROSS PRICE AIRCOOLED LIQUID CHILLERS KW 220 ÷1370 ITC SERIES – R134A

updated on:
02 August 2011

Page no. 7.2

BIG CHILLERS			Model	250	300	360	440	500	560	600	730	820	950	1100	1250	1370
2.0 HYDRIC CIRCUIT CONFIGURATION																
One pump																
2,01	WP	Single pump 2 poles with contacts and overload to combine with 2,15		4490	5075	5415	5725	6165	6440	7215	7675	8250	10300	11075	12115	12875
2,02	VTP	Manual valve between tank and pump (to combine with 2.01 and 2.12)		915	915	915	1040	1115	1265	1375	1525	1840	2200	2575	3350	3865
2,03	RAGP	Antifreeze heater pump		940	940	990	1065	1115	1165	1450	1525	1790	2040	2350	2550	2915
2,04	SLNP	One Pump box (super low noise version) (to combine with 1,02)		1550	1700	1815	2090	2325	3050	3350	3615	3865	4125	4390	4900	5675
2,05	IRP	One inverter pump		4125	4390	5925	6440	7215	7725	9015	10025	10300	11850	12875	18025	20600
Double pump																
2,06	DP	Double pump 2 poles with contacts and overloads to combine with 2,15		9275	9540	10050	10825	11340	11850	12440	14425	15200	19575	20865	24725	26015
2,07	AT	Management pumps (to combine with 2,06)		1290	1290	1290	1550	1550	1550	1815	1815	1815	2065	2065	2065	2065
2,08	VTPD	Double man. valve betw. tank and double pump (to comb. 2,06 and 2,12)		1550	1550	1550	2065	2200	2500	2575	2840	3615	3865	4900	5925	7215
2,09	RAGDP	Antifreeze heater double pump		1525	1525	1575	1890	2200	2325	2325	2840	3100	3615	3615	4365	4900
2,10	SLNPD	Double pump box (super low noise version) (to combine with 1,02)		2575	2575	3100	3865	4125	5150	5415	6440	6965	7475	8250	10050	10565
2,11	IRPD	Double inverter for double pump		7725	8250	11590	12625	14165	15200	17775	19575	20600	23440	25750	34765	40690
Tank																
2,12	T	Tank carbon steel incl. safety valve and air vent nipple (to comb. 2,15)		2575	2575	2575	4125	4125	4125	4125	4900	4900	5150	6440	7725	7725
2,13	RAGT	Antifreeze heater inertial tank (to combine with 2,12)		1215	1215	1215	1550	1550	1550	1550	1815	1815	1815	2575	2575	2575
2,14	LLA	Electric float low level alarm (to combine with 2,12)		1040	1040	1040	1265	1265	1265	1265	1450	1450	1450	1815	1815	1815
Connections																
2,15	EVF	Insulated evaporator flanges + counter flanges (standard victaulic)		1040	1040	1040	1190	1290	1525	1765	1965	2040	2225	2525	3100	3615
2,16	RAGEV	Antifreeze heater flange connections		525	525	525	525	525	775	775	775	775	775	775	775	775
2,17	RAGE	Antifreeze heater evaporator		1040	1040	1040	1265	1265	1265	1265	1450	1450	1450	1815	1815	1815
2,18	FY	Y mechanical filter (supplied outside the unit)		915	915	915	965	1040	1215	1290	1550	1815	2325	3350	3350	3350
2,18	FL	Flow switch to combine with 2.15. Only flow switch supplied separately.		700	700	700	850	850	850	1065	1065	1190	1190	1290	1290	1290
3.0 REFRIGERANT CIRCUIT CONFIGURATION																
3,01	CSV	Compressor suction and discharge valve		Included												
3,02	DRV	Dual relief valves "maintenable dual pressure relief valves assembly"		1165	1165	1165	1165	1550	1550	1550	1815	1815	2065	2325	2325	2325
3,03	PCN	Compressor liquid injection, incl. dehydrating filter and solenoid valve		2575	2575	2575	4000	4125	4515	4640	5150	5925	6440	6965	7475	8500
3,04	PDF	Oil differential pressure		1040	1040	1040	1790	1790	1915	1915	1915	2200	2200	2200	2450	2450
3,05	HP/LP	High and low pressure gauges for each circuit		Included												
3,06	LPT	Low pressure transducers		475	475	475	525	775	775	775	775	775	775	965	965	965
3,07	DS	Partial desuperheater (plate exchanger)		2575	2575	2575	3865	4900	6190	6700	7475	8765	9275	10050	11075	12625
3,08	HRS	Total heat recovery in series		Please contact our sales office.												
3,09	HRP	Total heat recovery in parallel		Please contact our sales office.												
3,10	LT	Low ambient temperature until -25°C		3865	3865	3865	6440	6440	6440	6700	6965	7725	9015	10050	10300	11590



GROSS PRICE AIRCOOLED LIQUID CHILLERS KW 220 ÷1370 ITC SERIES – R134A

updated on:
02 August 2011

Page no. 7.3

BIG CHILLERS			Model	250	300	360	440	500	560	600	730	820	950	1100	1250	1370
4.0 ELECTRIC CIRCUIT CONFIGURATION																
4,01	RV	Fan speed regulator (phase cut)		Included												
4,02	EC	Ec fans (electronic commuted)	3350	3615	4125	4640	5925	6440	6700	6965	7475	7990	9540	10050	11850	
4,03	IR	Remote inverters fans incl. inductances and sinusoidal filter (to comb. with 4.04)	2840	3350	4125	5125	6165	6700	7190	7350	7725	8500	9540	10300	11340	
4,04	ES	Secondary thermo regulated electric board (to combine with 4.03)	1290	1290	1290	1500	1700	1765	1815	2065	2275	2475	2575	2575	2840	
4,05	IFO	Individual fan overload (to combine with 4.04)	940	1015	1190	1700	2275	2525	2790	3490	4175	4875	5565	6265	7650	
4,06	RVG	General voltmetrical relay		Included												
4,07	CSF	3 phases sequences relay		Included												
Remote connections arrangement																
4,08	OFC	On-off compressors signal (free contact)	390	390	390	475	475	475	475	525	525	525	525	525	525	525
4,09	RS485	Serial card for carel/modbus(RS485)	265	265	265	265	265	390	390	390	390	390	525	525	525	
4,10	LON	Serial card for echelon	500	500	500	500	500	600	600	600	600	600	650	650	650	
4,11	BAC	Serial card for BACNET	775	775	775	775	775	775	915	915	915	965	1065	1065	1065	
4,13	PL	PlantwatchPRO		Please contact or sales office												
4,14	PLW	Plantvisor		Please contact or sales office												
5.0 PACKING																
5,01	WCA	Wooden cage packing ISPM15	4900	5415	6190	7725	9275	10050	10565	11340	12625	13650	14690	15450	18025	
5,02	NCC	Nylon +cartoon corners + coil protection packing		Included												
5,03	ANS	Rubber pad antivibrating (shipment by truck)	1290	1290	1290	1550	1550	1815	1815	1815	2065	2065	2065	2325	2325	
For additional options You do not find in this pricelist, please contact our sales office. Thank You.																



GROSS PRICE AIRCOOLED LIQUID CHILLERS KW 250÷1370 ITF SERIES – R134A

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Page no. 8.1

FREE COOLING AIR COOLED LIQUID CHILLER, INVERTER DRIVEN SCREW WITH ECONOMIZER												HIGH EFFICIENCY CLASS A				
P		BIG CHILLERS	Model	250	300	360	440	500	560	600	730	820	950	1100	1250	1370
E	€	Price Basic model unit		105575	118450	136475	164800	177425	182825	203175	231750	247200	280675	298700	316725	334750
R	kW	NOMINAL COOLING CAPACITY 70Hz–35°C AMB.TEMPERAT. (1)		249	302	365	439	498	561	604	730	822	948	1103	1248	1368
F	kW	COMPRESSOR NOMINAL ABSORBED POWER		84.6	102.3	115.8	76.0	84.6	95.0	102.3	115.8	128.0	146.1	172.9	193.6	203.0
O	A	COMPRESSOR NOMINAL ABSORBED CURRENT		135.1	163.3	184.9	121.3	135.1	151.7	163.3	184.9	204.4	233.3	276.1	309.1	324.1
R	W/W	COP		2.95	2.95	3.15	2.89	2.94	2.95	2.95	3.15	3.21	3.24	3.19	3.22	3.37
M	W/W	EER		2.58	2.64	2.86	2.62	2.69	2.67	2.64	2.86	2.89	2.92	2.89	2.89	3.04
A		AIR AMBIENT TEMPERATURE WITH 100% FREE COOLING (2)		-5.5	-6.5	-8.5	-4.7	-5.1	-5	-4.6	-5.5	-6.2	-6.2	-7	-7.5	-8
N	kW	50% LOAD COOLING CAPACITY 30Hz – 15°C AMB.TEMPERAT.		161	194	210	285	321	360	388	420	489	564	647	766	839
C	kW	COMPRESSOR ABSORBED POWER		21	25	25	19	21	23	25	25	30	35	41	46	49
E	W/W	COP		7.72	7.75	8.42	7.61	7.72	7.73	7.75	8.42	8.10	8.08	7.97	8.40	8.58
	W/W	EER		6.27	6.50	7.06	6.50	6.69	6.60	6.50	7.06	6.83	6.82	6.77	7.04	7.27
	mm	ITF LENGTH		6450	6450	6450	4950	4950	5900	6850	6850	7800	8750	9700	11600	11600
	mm	ITF SLN LENGTH		-	-	-	5950	5950	6850	7800	7800	8750	9700	11600	-	-
	mm	ITF WIDHT		1310	1310	1310	2210	2210	2210	2210	2210	2210	2210	2210	2210	2210
	mm	ITF HEIGHT		2105	2105	2105	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450
1.0 MECHANICAL CONFIGURATION																
1,01	LN	Low noise version (3)*		3350	3350	3350	6190	6190	6440	6965	7475	7990	8500	9015	9540	10300
1,02	SLN	Super low noise version		-	-	-	8250	9790	13650	15200	15200	16740	19315	20350	-	-
1,03	GPRC	Protection refrigerant circuit		Included			3350	3350	3615	4390	5150	6190	6700	7215	7725	8250
1,04	GPC	Condenser coil protection		1290	6125	6125	3615	4900	4900	5675	6190	6965	7725	8500	3090	3400
1,05	CF	Condenser aluminium filter		1790	7750	8375	4900	5925	5925	6440	6700	7475	8500	8500	3400	3400
1,06	ATV	Rubber type antivibrant mounting		1815	5500	5500	2325	2325	2840	2965	3100	3350	3865	4125	1545	1650
1,07	ATS	Spring type antivibrant mounting		2065	5815	6440	2715	2840	3100	3590	3865	4125	4900	5150	1960	2060
CONDENSING COIL																
1,08	CV	Epoxy coated aluminium fin coils		1815	1815	1815	3350	3350	4125	4640	4640	5150	5925	6440	6965	6965
1,09	CG	Fin guard silver treatment coils		5150	5150	5150	10050	10825	15450	17775	17775	20350	25240	27565	33225	33225
1,10	CC	Copper/ Copper condenser		Please contact our sales office												
1,11	CHCP	Humidifying and cooling pads		Please contact our sales office												

Data referred to:

(1) Inlet - outlet water (30% eth. glycole temperature) +12/+7 °C, with fouling factor 0.000043 (m²K)/W - Ambient air temperature = +35°C

(2) Inlet - outlet water (30% eth. glycole temperature) +12/+7 °C, with fouling factor 0.000043 (m²K)/W

(3) Average sound pressure level at distance of 10 m, referred to free field on reflecting surface. This value is calculated according to ISO3744.

(*) For ITF 250 - 360 low noise with jacket. For ITF 440 - 1330 low noise with compressors cabinet.



GROSS PRICE AIRCOOLED LIQUID CHILLERS KW 250÷1370 ITF SERIES – R134A

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02 August 2011

Page no. 8.2

BIG CHILLERS			Model	250	300	360	440	500	560	600	730	820	950	1100	1250	1370
2.0 HYDRIC CIRCUIT CONFIGURATION																
One pump																
2,01	WP	Single pump 2 poles with contacts and overload to combine with 2,15		4490	5075	5415	5975	6415	6700	7215	7675	8250	10300	11075	12115	12875
2,02	VTP	Manual valve between tank and pump (to combine with 2.01 and 2.12)		915	915	915	1040	1115	1265	1375	1525	1840	2200	2575	3350	3865
2,03	RAGP	Pump antifreeze heater		940	940	990	1065	1115	1165	1450	1525	1790	2040	2325	2550	2915
2,04	SLNP	One Pump box (super low noise version) (to combine with 1,02)		1550	1700	1815	2090	2325	3050	3350	3615	3865	4125	4390	4900	5675
2,05	IRP	One inverter pump		4125	4390	5925	6440	7215	7725	9015	10025	10300	11850	12875	18025	20600
Double pump																
2,06	DP	Double pump 2 poles with contacts and overloads to combine with 2,15		9275	9540	10050	10825	11340	11850	12440	13140	13915	19575	21375	24215	26015
2,07	AT	Management pumps (to combine with 2,06)		1290	1290	1290	1550	1550	1550	1815	1815	1815	2065	2065	2065	2065
2,08	VTPD	Double man. valve betw. tank and double pump (to comb. 2,06 and 2,12)		1550	1550	1550	2065	2200	2500	2575	2840	3615	3865	4900	5925	7215
2,09	RAGDP	Double pump antifreeze heater		1525	1525	1575	1890	2200	2325	2325	2840	3100	3615	3615	4365	4900
2,10	SLNPD	Double pump box (super low noise version) (to combine with 1,02)		2575	2575	3100	3865	4125	5150	5415	6440	6965	7475	8250	10050	10565
2,11	IRPD	Double inverter for double pump		7725	8250	11590	12625	14165	15200	17775	19575	20600	23440	25750	34765	40690
Tank																
2,12	T	Tank carbon steel incl. safety valve and air vent nipple (to comb. 2,15)		2575	2575	2575	4125	4125	4125	4125	4900	4900	5150	6440	7725	7725
2,13	RAGT	Antifreeze heater inertial tank (to combine with 2,12)		1215	1215	1215	1550	1550	1550	1550	1815	1815	1815	2575	2575	2575
2,14	LLA	Electric float low level alarm (to combine with 2,12)		1040	1040	1040	1265	1265	1265	1265	1450	1450	1450	1815	1815	1815
Connections																
2,15	EVF	Insulated evaporator flanges + counter flanges (standard victaulic)		Included												
2,16	RAGEV	Antifreeze heater flange connections		525	525	525	525	775	775	775	775	775	775	775	775	915
2,17	RAGE	Antifreeze heater evaporator		1040	1040	1040	1265	1265	1265	1265	1450	1450	1450	1815	1815	1815
2,18	FY	Y mechanical filter (supplied outside the unit)		915	915	915	965	1040	1215	1290	1550	1815	2325	3350	3350	3350
2,18	FL	Flow switch to combine with 2.15. Only flow switch supplied separately.		700	700	700	850	850	850	1065	1065	1190	1190	1290	1290	1290
3.0 REFRIGERANT CIRCUIT CONFIGURATION																
3,01	CSV	Compressor suction and discharge valve		Included												
3,02	DRV	Dual relief valves "maintenable dual pressure relief valves assembly"		1165	1165	1165	1165	1550	1550	1550	1815	1815	2065	2325	2325	2325
3,03	PCN	Compressor liquid injection, incl. dehydrating filter and solenoid valve		2575	2575	2575	4000	4125	4515	4640	5150	5925	6440	6965	7475	8500
3,04	PDF	Oil differential pressure		1040	1040	1040	1790	1790	1915	1915	1915	2200	2200	2200	2450	2450
3,05	HP/LP	High and low pressure gauges for each circuit		Included												
3,06	LPT	Low pressure transducers		475	475	475	525	775	775	775	775	775	775	965	965	965
3,07	DS	Partial desuperheater (plate exchanger)		2575	2575	2575	3865	4900	6190	6700	7475	8765	9275	10050	11075	12625
3,08	HRS	Total heat recovery in series		Please contact our sales office.												
3,09	HRP	Total heat recovery in parallel		Please contact our sales office.												
3,10	LT	Low ambient temperature until -25°C		3865	3865	3865	6440	6440	6440	6700	6965	7725	9015	10050	10300	11590



GROSS PRICE AIRCOOLED LIQUID CHILLERS KW 250 ÷1370 ITF SERIES – R134A

updated on:
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Page no. 8.3

BIG CHILLERS			Model	250	300	360	440	500	560	600	730	820	950	1100	1250	1370
4.0 ELECTRIC CIRCUIT CONFIGURATION																
4,01	RV	Fan speed regulator (phase cut)		Included												
4,02	EC	Ec fans (electronic commuted)	3350	3615	4125	4640	5925	6440	6700	6965	7475	7990	9540	10050	11850	
4,03	IR	Remote inverters fans incl. inductances&sinosoidal filter (to comb. with 4.04)	2840	3350	4125	5125	6165	6700	7190	7350	7725	8500	9540	10300	11340	
4,04	ES	Secondary thermo regulated electric board (to combine with 4.03)	1290	1290	1290	1500	1700	1765	1815	2065	2275	2475	2575	2575	2575	
4,05	IFO	Individual fan overload (to combine with 4.04)	1040	1140	1290	1965	2525	2790	3100	3865	4615	5150	6090	6775	7990	
4,06	RVG	General voltmetrical relay	Included													
4,07	CSF	3 phases sequences relay	Included													
Remote connections arrangement																
4,08	OFC	On-off compressors signal (free contact)	390	390	390	475	475	475	475	525	525	525	525	525	525	525
4,09	RS485	Serial card for carel/modbus(RS485)	265	265	265	265	265	390	390	390	390	390	525	525	525	
4,10	LON	Serial card for echelon	500	500	500	500	500	600	600	600	600	600	650	650	650	
4,11	BAC	Serial card for BACNET	775	775	775	775	775	775	915	915	915	965	1065	1065	1065	
4,13	PL	PlantwatchPRO	Please contact or sales office													
4,14	PLW	Plantvisor	Please contact or sales office													
5.0 PACKING																
5,01	WCA	Wooden cage packing ISPM15	5925	6190	6700	8765	10300	11075	11340	12875	13650	15200	16740	17775	19065	
5,02	NCC	Nylon +cartoon corners + coil protection packing	Included													
5,03	ANS	Rubber pad antivibrating (shipment by truck)	1290	1290	1290	1550	1550	1815	1815	1815	2065	2065	2065	2325	2325	
For additional options You do not find in this pricelist, please contact our sales office. Thank You.																



CONDIZIONI DI FORNITURA

Contratto

Un ordine dell'acquirente si intende accettato solo dopo conferma scritta da parte di Hitema. Qualsiasi modifica, successivamente voluta dall'Acquirente non avrà valore se non accettata per iscritto da Hitema, con l'eventuale precisazione del nuovo termine di consegna.

Garanzia

Il Fornitore garantisce che le macchine vendute sono di buona qualità ed esenti da ogni difetto di progettazione e fabbricazione. Nella fornitura degli impianti, la garanzia ha una durata di 12 mesi dalla data di spedizione. Il Fornitore si impegna a fornire gratuitamente i pezzi riconosciuti difettosi e le prestazioni in loco durante il periodo di garanzia addebitando le sole spese di viaggio, vitto ed alloggio del proprio personale, in base alle tariffe A.N.I.M.A. vigenti al momento dell'intervento escludendo qualsiasi obbligo di risarcimento per eventuali danni derivanti dal cattivo funzionamento dell'impianto.

Cessa ogni garanzia se:

- l'impianto non viene messo in funzione nelle condizioni dettate dal Fornitore (comprese le condizioni ambientali e di alimentazione elettrica);
- l'Acquirente manomette l'impianto senza previa autorizzazione del Fornitore;
- si verificano guasti imputabili a cause fortuite o causate dalla non curanza, cattiva manutenzione o non sorveglianza dell'impianto;
- la messa in funzione non viene eseguita secondo le regole;
- il deterioramento dell'impianto deve essere attribuito ad usura naturale;
- l'Acquirente è in ritardo con i pagamenti;
- i difetti non sono stati denunciati al Fornitore tramite raccomandata R.R. entro e non oltre 8 giorni dalla data della scoperta.

Eventuali pretese dell'Acquirente basate sulla clausola di garanzia o su inadempienze da parte del Fornitore od altro, non giustifica l'Acquirente a ritardare o comunque modificare le condizioni di pagamento pattuite.

Denuncia di vizi e difetti

Eventuali denunce di vizi e difetti di fornitura devono essere comunicate, a pena di decadenza, entro 8 giorni dalla scoperta a mezzo raccomandata R.R.; non hanno validità le contestazioni verbali.

La responsabilità del Fornitore è limitata alla sola sostituzione della merce alle stesse condizioni del contratto con esclusione di ogni risarcimento, annullamento o riduzione del contratto. Le eventuali contestazioni non dispensano l'Acquirente dall'obbligo di adempiere ai pagamenti nei termini pattuiti.

Consegna

Il termine di consegna decorrerà dalla data della conferma da parte del Fornitore (in caso di accordi specifici, tipo pagamento anticipato); in caso contrario decorrerà dalla data dell'avvenuto incasso dell'anticipo. In ogni caso il rispetto del termine di consegna da parte del Fornitore è subordinato alla comunicazione in tempo utile al Fornitore dei dati tecnici e amministrativi necessari per l'approntamento della merce e alla tempestiva esecuzione delle opere di pertinenza dell'Acquirente. In nessun caso il ritardo nel termine di consegna può costituire diritto a richieste di danni da parte dell'Acquirente. Se il ritardo non motivato da cause di forza maggiore (quali: scioperi, mancanza di materie prime o di componenti di acquisto esterno,...) dovesse superare i 90 giorni, l'Acquirente può solo richiedere l'annullamento dell'ordine per la parte inevasa.

In ogni caso l'eventuale ritardo nelle consegne, per qualunque titolo avvenga non dà diritto all'Acquirente alla risoluzione del contratto, né a variazione nei termini di pagamento. Qualora il montaggio o l'installazione dei materiali sia eseguito dal Fornitore, l'Acquirente si assume l'impegno di custodire e conservare i materiali consegnati fino all'ultimazione del loro montaggio. All'Acquirente è fatto obbligo di ritirare alle date convenute la merce acquistata, fatto salvo diversi accordi, su richiesta dell'Acquirente, presentata almeno 30 giorni prima della data di consegna prevista dal contratto. In mancanza del ritiro della merce da parte dell'Acquirente, il Fornitore fatturerà comunque all'Acquirente, trascorsi 10 giorni dalla data di ritiro convenuta, la merce non ritirata. Le spese di immagazzinaggio dei prodotti non ritirati saranno a carico dell'Acquirente.

Contratti

I contratti, anche se stipulati con committenti esteri, sono regolati dalla vigente legislazione italiana.

Riservato dominio

La vendita rateale è sottoposta al Patto di riservato dominio in favore di Hitema, fino al completo ed integrale pagamento del prezzo convenuto. L'Acquirente è tenuto a perfezionare tutte le formalità inerenti a questo patto. Il mancato adempimento di dette formalità darà luogo a giusta causa per la risoluzione del contratto. L'acquirente è tenuto ad informare HITEMA tempestivamente in caso di cambiamento di domicilio.

Inadempienza della venditrice

La risoluzione del contratto di Compravendita responsabilità della Venditrice, darà diritto all'acquirente alla sola restituzione degli eventuali acconti versati con interessi di legge.

Controversie

Per ogni controversia è competente il Foro di Padova esclusa qualsiasi deroga.



SUPPLY CONDITION

The prices indicated in this price list do not include

- Any special packaging
- Transport
- Anything not expressly indicated
- Installation and start up

Guarantee

The Supplier guarantees that its machines are of good quality and free from any design and manufacturing faults. The systems are guaranteed for a period of 12 months starting from the date of dispatch. The Supplier undertakes to replace the pieces found to be faulty and provide on-site services during the guarantee period free-of-charge. Staff traveling expenses and board and lodging will be charged on the basis of A.N.I.M.A. tariffs in force at the moment of the service. The Supplier is not liable for any damages deriving from the faulty operation of the system.

This guarantee will become null and void if:

- the system is not started up in the conditions indicated by the Supplier (including environmental and power supply conditions);
- the Purchaser tampers with the system without the prior authorization of the Supplier;
- any faults occur due to chance events or negligence, incorrect maintenance or non-supervision of the system;
- the system is not started up according to the rules;
- the deterioration of the system can be put down to natural wear;
- the Purchaser has delayed payment;
- the faults have not been notified to the Supplier by registered letter with return receipt within and not exceeding 8 days from the date on which they were discovered.

Any Purchaser claims based on the guarantee clause, Supplier non-fulfillment or any other reasons, do not give the Purchaser the right to delay or modify the agreed conditions of payment.

Notification of faults and defects

Any faults and defects in the supply must be notified within 8 days from their discovery by registered letter with return receipt, otherwise they will not be considered; verbal claims are not valid.

Supplier responsibility is solely limited to replacing the goods at the same contract conditions and does not cover claims for damages, cancellation or reduction of the contract. Any claims do not affect the Purchaser's obligation to make payment within the agreed terms.

Delivery

Delivery lead time will commence from the date of order confirmation by the Supplier (in cases of special agreements such as advance payment); otherwise, it will commence from the date in which down payment is received. In all cases, the Supplier's respect of the lead time depends on the Purchaser communicating the technical and administrative data required to prepare the goods in good time and the timely execution of the work pertaining to the Purchaser. In no case may delay in delivery give the Purchaser the right to claim damages. If the delay not caused by force major (such as strikes, lack of raw materials or externally purchased components,...) should exceed 90 days, the Purchaser may only request cancellation of the undelivered part of the order.

In all cases, delay in delivery, no matter why it occurred, does not give the Purchaser the right to terminate the contract, nor to modify payment terms. If the material is assembled or installed by the Supplier, the Purchaser undertakes to keep and store the delivered material until assembly has been completed. The Purchaser is obliged to collect the goods at the agreed dates, unless otherwise agreed, following a request by the Purchaser made at least 30 days before the date of delivery specified in the contract. If the goods are not collected by the Purchaser, the Supplier will invoice the Purchaser for the uncollected goods 10 days after the agreed date of collection. Storage costs for the uncollected products will be charged to the Purchaser.

Contracts

Contracts, even if stipulated with foreign customers, are governed by Italian law.

Disputes

All disputes will be settled by the Court of Padua.

Hitema reserves the right to modify this price list without notice.

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