



WTT-Wilchwitzer Thermo-Technik

Doucette Heat Exchangers

Nominal capacities kWts at +5°C SST 5.5K of subcooling for below heat exchangers

Realcold Stock No.	Model	Description									Price \$ Excl. GST
		Nom. HP	R22	R404A	R134a	Connection	Sizes	Dimensions Dia. x Length (mm)	Liq. Vol. cm ³		
						Suction	Liquid				
F0045	SLHE 1	1	4.52	3.17	4.09	5/8" SW	3/8" SW	28	344	44	
F0046	SLHE 1.1/2	1 1/2	6.30	4.20	5.83	7/8" SW	3/8" SW	35	363	52	
F0048	SLHE 3	3	8.21	4.69	7.59	1 1/8" SW	1/2" SW	42	375	58	
F0049	SLHE 5	5	14.51	9.67	12.85	1 3/8" SW	5/8" SW	54	356	255	
F0050	SLHE 7.1/2	7 1/2	17.79	11.43	15.19	1 5/8" SW	5/8" SW	54	425	306	

- Doucette Heat Exchangers are all copper construction, suitable for all refrigerants. Type L copper fluted suction tubes.
- Single and multiple tube configurations to reduce velocity and pressure drop. High temperature brass brazed. UL listed

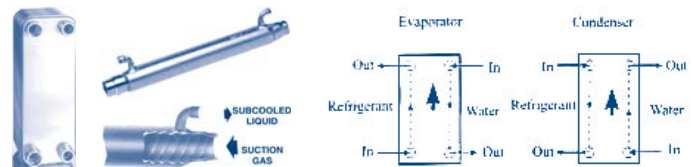
Working Principle:

Wilchwitzer Thermo-Technik (WTT) consists of a pack of pressed stainless steel plates which are brazed together with 99.9% copper in a vacuum furnace. When assembling the pack every alternate plate is rotated by 180° to produce two separate flow channels in which the heat exchange media flow in opposite directions. All contact points are joined by brazing. This process makes it possible to achieve very high mechanical strength, i.e. high pressure resistance. The corrugated plates generate high turbulence during fluid through put, which promotes efficient heat exchange even with a low flow rate.

Applications: WTT can be utilized for a wide range of gaseous and non clogging liquid media: Water; Oil; Glycol; Freons.

Typical applications include:

- Floor Heating
- Condensers and evaporators in Chillers & Heatpumps
- Industrial processes
- Hydraulic oil cooling
- Heat Recovery
- Desuperheaters



Advantages:

- Compact unit, low weight
- Less space required
- No gaskets, no leaks
- High heat transmission rate
- High operational temperatures and high workings pressures.
- SUS316 (AISI 316) (W-1.4401) stainless steel for effective corrosion resistance.
- Easy installation and replacement, low maintenance requirements.



Evaporator Coils Units Feature:

- Compact size to cooling capacity ratio.
- Excellent surface area to cooling capacity ratio.
- Hinged drain pan with "thumbscrews" for easy access to defrost elements and condensate pan.
- Hinged side covers with "thumbscrews" for easy access to TEV, heater safety Klixon.
- Motors and defrost elements are all pre-wired to terminal connections in the electrical box.
- 1/4" access port on all coils is a standard feature for checking in-coil pressures and setting up superheats.
- Flat 4 mm slotted mounting brackets for very quick easy installation. Top of evaporator coil only 4 mm from ceiling panel easy to seal for hygiene purposes.
- Standard 4.2 mm fin spacing on medium temperature and low temperature models, easily inter-changed from low to medium temperature applications. Alternative fin spacing available on request.
- Light weight construction, even the large capacity coils are easy to lift.



Heat Exchangers



Rondo Single Fan



HDT



Rondo Two Fan



HCT

Nomenclature

H CT - 25 2 - 3R x 6F - E





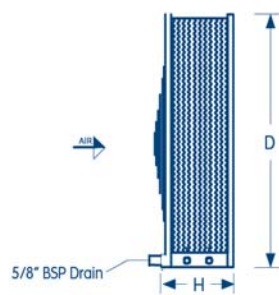
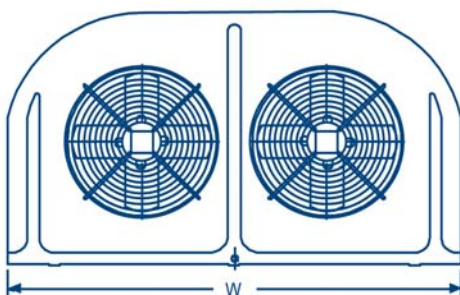
Rondo - Medium Temperature Evaporators

Realcold Stock No.	Model	Capacity in Watts @ 6KTD		Fans (mm)	Air Volume (M ³ / Sec)	Dimensions (mm)			Weight (Kg)	Connections		Price \$ Excl. GST
		R404A	R134a			W	D	H		Liquid	Suction	
W4001	Ron - 140-A	630	599	1 x 250	0.21	455	440	120	4	3/8	3/8	
W4000	Ron - 240-A	800	761	1 x 250	0.19	455	440	120	4.5	3/8	3/8	
W4002	Ron - 340-A	950	904	1 x 250	0.21	455	440	145	5	1/2	1/2	
W4008	Ron - 440-A	1080	1028	1 x 250	0.22	455	440	170	5.5	1/2	1/2	
W4009	Ron - 500-A	1660	1579	2 x 250	0.37	760	430	175	8.3	1/2	1/2	
W4010	Ron - 700-A	2060	1960	2 x 250	0.43	760	430	230	9.4	1/2	5/8	
W4012	Ron - 900-A	3380	3216	2 x 300	0.92	1060	530	230	14	1/2	5/8	
W4013	Ron - 1100-A	4040	3844	2 x 300	1.05	1060	530	265	15.4	1/2	3/4	
W4014	Ron - 1300-A	4640	4414	2 x 300	0.94	1060	530	265	17.4	1/2	3/4	

Heat Exchangers

Technical Data

Realcold Stock No.	Model	Nom Cap R404A (kW) kW @ ITD = 6K Te = -5°C	Coil Surface Area (m ²)	Air Flow Frost Free (m ³ /s)	Face Velocity (m/s)	Mass (kg)	Fans No x Dia	Liquid connection mm (inch)	Suction connection mm (inch)	TX Valve Type INT/EXT	Elect. efrorst 230V (kW)
W4001	Rondo140-A	0.63	2.0	0.2	2.2	4.0	1x250	9.5 (3/8)	9.5 (3/8)	INT	n/a
W4000	Rondo240-A	0.80	3.0	0.2	2.0	4.5	1x250	9.5 (3/8)	9.5 (3/8)	INT	n/a
W4002	Rondo340-A	0.95	3.7	0.2	1.8	5.0	1x250	12.7 (1/2)	12.7 (1/2)	EXT	n/a
W4008	Rondo440-A	1.08	4.5	0.2	1.6	5.5	1x250	12.7 (1/2)	12.7 (1/2)	EXT	n/a
W4009	Rondo500-A	1.66	6.2	0.4	1.9	8.3	2x250	12.7 (1/2)	12.7 (1/2)	EXT	n/a
W4010	Rondo700-A	2.06	8.3	0.4	1.7	9.4	2x250	12.7 (1/2)	15.9 (5/8)	EXT	n/a
W4012	Rondo900-A	3.38	10.2	0.9	2.9	14.0	2x300	12.7 (1/2)	15.9 (5/8)	EXT	n/a
W4013	Rondo1100-A	4.04	12.8	1.1	2.6	15.4	2x300	12.7 (1/2)	19.05 (3/4)	EXT	n/a
W4014	Rondo1300-A	4.64	17.0	0.9	2.4	17.4	2x300	12.7 (1/2)	19.05 (3/4)	EXT	n/a



- Ideal for large glass door display cabinets, supermarkets display cabinets, small coolrooms and flower rooms
- Unique radial coil design provides a large surface area, offering a compact unit to cooling capacity ratio
- Radial design provides 180° air-flow distribution and prevents warm air pockets.
- Durable white ABS plastic construction is tough and maintenance free
- Reliable EBM fan motors fitted and pre-wired to electrical box

Correction Factors

Suction Temperatures	-10°C	-5°C	0°C	+5°C
Correction Factor	0.97	1.00	1.03	1.05



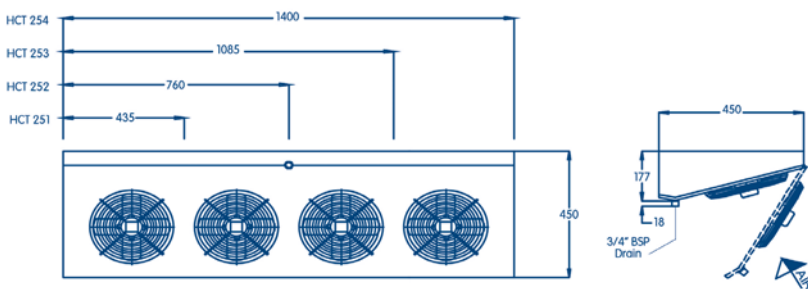
HCT Series - Medium Temp - No Defrost (250 mm Fans)

Realcold Stock No.	Model	Capacity in Watts @ 6KTD		Dimensions (mm)			Connections		Drain (BSP)	Weight (Kg)	Charge R404A (Kg)	Price \$ Excl. GST
		404a	134a	W	D	H	Inlet	Outlet				
Low Silotte Ceiling Mount												
W4600	HCT-251-2R	410	390	425	450	175	9.5	9.5	12.7	5.5	0.6	
W4603	HCT-252-2R	970	923	750	450	175	9.5	9.5	12.7	11	1.0	
W4605	HCT-252-3R	1210	1151	750	450	175	9.5	9.5	12.7	16	1.3	
W4607	HCT-253-3R	1820	1732	750	450	175	9.5	12.5	20	20	1.9	
W4609	HCT-254-3R	2430	2312	1400	450	175	9.5	12.5	20	30	2.0	

Technical Data

Realcold Stock No.	Model	Nom Cap R404A (kW) kW @ ITD = 6K Te = -5°C	Coil Surface Area (m ²)	Air Flow Frost Free (m ³ /s)	Face Velocity (m/s)	Mass (kg)	Air Throw (m)	Liquid connection mm (inch)	Suction connection mm (inch)	TX Valve Type INT/EXT	Elect. efrost 230V (kW)	Heater Element Kit No.
Low Silotte Ceiling Mount												
W4600	HCT-251-2R	0.41	1.0	0.1	2.9	5.2	10	9.5 (3/8)	9.5 (3/8)	INT	n/a	n/a
W4603	HCT-252-2R	0.97	2.0	0.3	2.9	7.8	10	12.7 (1/2)	12.7 (1/2)	EXT	n/a	n/a
W4605	HCT-252-3R	1.21	3.0	0.2	2.5	8.4	9	12.7 (1/2)	12.7 (1/2)	EXT	n/a	n/a
W4607	HCT-253-3R	1.82	4.5	0.4	2.5	11.7	9	12.7 (1/2)	12.7 (1/2)	EXT	n/a	n/a
W4609	HCT-254-3R	2.43	6.0	0.5	2.5	15	9	12.7 (1/2)	12.7 (1/2)	EXT	n/a	n/a

Note: Partial Defrost Element Kits are available upon request.



- Suitable for large glass door display cabinets, supermarkets display cabinets, small coolrooms and freezer rooms
- Compact, low profile design with optimised dimensions
- Reliable EBM fan motors fitted and pre-wired to electrical box
- Robust aluminium casing with easy clean, hygienic white powder coated finish

Correction Factors

Suction Temperatures	-10°C	-5°C	0°C	+5°C
Correction Factor	0.97	1.00	1.03	1.05

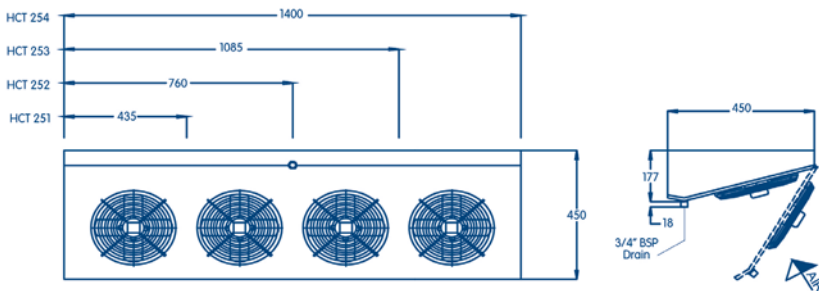


HCT Series - Low Temp - Full Electric Defrost (250 mm Fans)

Realcold Stock No.	Model	Capacity in Watts @ 6KTD	Dimensions (mm)			Connections		Drain (BSP)	Weight (Kg)	Charge R404A (Kg)	Price \$ Excl. GST
		404a	W	D	H	Inlet	Outlet				
Capacity at -24SST / 6KTD R404A											
W4604	HCT-252-2RE	830	750	450	175	9.5	9.5	20	11	1	
W4606	HCT-252-3RE	1040	750	450	175	9.5	12.5	20	16	1.3	
W4608	HCT-253-3RE	1570	1075	450	175	9.5	12.5	20	16	1.9	
W4610	HCT-254-3RE	2090	1400	450	175	9.5	12.5	20	16	2.3	

Technical Data

Realcold Stock No.	Model	Nom Cap R404A (kW) kW @ ITD = 6K Te = -5°C	Coil Surface Area (m ²)	Air Flow Frost Free (m ³ /s)	Face Velocity (m/s)	Mass (kg)	Air Throw (m)	Liquid connection mm (inch)	Suction connection mm (inch)	TX Valve Type INT/EXT	Elect. e frost 230V (kW)	Heater Element Kit No.
Capacity at -24SST / 6KTD R404A												
W4604	HCT-252-2RE	0.83	2.0	0.3	2.9	7.8	10	12.7 (1/2)	12.7 (1/2)	EXT	0.36	W7100
W4606	HCT-252-3RE	1.04	3.0	0.2	2.5	8.4	9	12.7 (1/2)	12.7 (1/2)	EXT	0.36	W7100
W4608	HCT-253-3RE	1.57	4.5	0.4	2.5	11.7	9	12.7 (1/2)	12.7 (1/2)	EXT	0.54	W7102
W4610	HCT-254-3RE	2.09	6.0	0.5	2.5	15	9	12.7 (1/2)	12.7 (1/2)	EXT	0.72	W7103



- Suitable for large glass door display cabinets, supermarkets display cabinets, small coolrooms & freezer rooms
- Compact, low profile design with optimised dimensions
- Reliable EBM fan motors fitted and pre-wired to electrical box
- Defrost elements and temperature termination thermostat are easily accessed and come pre-wired to terminal box on all low temp models
- Robust aluminium casing with easy clean, hygienic white powder coated finish

Correction Factors					
Suction Temperatures	-35°C	-30°C	-24°C	-20°C	-15°C
Correction Factor	0.92	0.97	1.00	1.02	1.03

Heat Exchangers



HSR Series - Medium Temperature Evaporators (300 mm Fans)

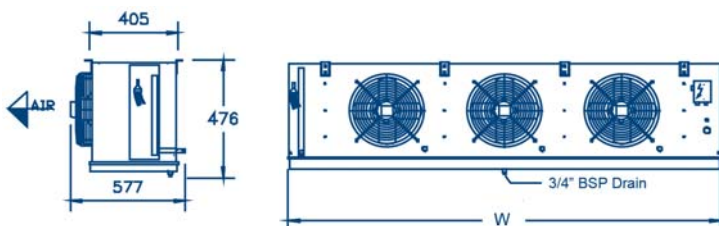
Realcold Stock No.	Model	Capacity in Watts @ 6KTD		Fans (mm)	Air Volume (M ³ / Sec)	Dimensions (mm)			Weight (Kg)	Connections		Price \$ Excl. GST
		R404A	R134a			W	D	H		Liquid	Suction	
W5052H	HSR - 301 - 3R	1810	1722	1 x 300	0.48	874	577	476	17	1/2	5/8	
W5004H	HSR - 301 - 4R	2090	1988	1 x 300	0.44	874	577	476	18	1/2	7/8	
W5006H	HSR - 301 - 5R	2290	2179	1 x 300	0.41	874	577	476	19	1/2	7/8	
W5010H	HSR - 302 - 3R	3650	3473	2 x 300	0.96	1376	577	476	26	1/2	7/8	
W5012H	HSR - 302 - 4R	4220	4015	2 x 300	0.88	1376	577	476	29	1/2	7/8	
W5014H	HSR - 302 - 5R	4600	4376	2 x 300	0.82	1376	577	476	31	1/2	7/8	
W5016H	HSR - 303 - 3R	5490	5223	3 x 300	1.44	1884	577	476	35	1/2	1.1/8	
W5020H	HSR - 303 - 5R	6910	6574	3 x 300	1.23	1884	577	476	42	1/2	1.1/8	
W5018H	HSR - 304 - 3R	7350	6993	4 x 300	1.92	2380	577	476	44	1/2	1.1/8	
W5022H	HSR - 304 - 4R	8500	8087	4 x 300	1.76	2380	577	476	49	5/8	1.1/8	

Heat Exchangers

Technical Data

Realcold Stock No.	Model	Nom Cap R404A (kW) kW @ ITD = 6K Te = -5°C	Coil Surface Area (m ²)	Air Flow Frost Free (m ³ /s)	Face Velocity (m/s)	Mass (kg)	Air Throw (m)	Liquid connection mm (inch)	Suction connection mm (inch)	TX Valve Type INT/EXT	Elect. efrost 230V (kW)	Heater Element Kit No.
W5052H	HSR-301-3R	1.81	9.0	0.5	2.5	17	11	12.7 (1/2)	15.9 (5/8)	EXT	n/a	W7160
W5004H	HSR-301-4R	2.09	12.0	0.4	2.3	18	10	12.7 (1/2)	22.2 (7/8)	EXT	n/a	W7160
W5006H	HSR-301-5R	2.29	15.0	0.4	2.2	19	9	12.7 (1/2)	22.2 (7/8)	EXT	n/a	W7161
W5010H	HSR-302-3R	3.65	18.0	1.0	2.5	26	11	12.7 (1/2)	22.2 (7/8)	EXT	n/a	W7162
W5012H	HSR-302-4R	4.22	24.0	0.9	2.3	29	10	12.7 (1/2)	22.2 (7/8)	EXT	n/a	W7162
W5014H	HSR-302-5R	4.6	30.0	0.8	2.2	31	9	12.7 (1/2)	22.2 (7/8)	EXT	n/a	W7164
W5016H	HSR-303-3R	5.49	27.0	1.4	2.5	35	11	12.7 (1/2)	28.5 (1.1/8)	EXT	n/a	W7163
W5020H	HSR-303-5R	6.91	45.0	1.2	2.2	42	9	12.7 (1/2)	28.5 (1.1/8)	EXT	n/a	W7165
W5018H	HSR-304-3R	7.35	36.0	1.9	2.5	44	11	12.7 (1/2)	28.5 (1.1/8)	EXT	n/a	W7167
W5022H	HSR-304-4R	8.5	48.0	1.8	2.3	49	10	15.9 (5/8)	28.5 (1.1/8)	EXT	n/a	W7167

Note: Partial Defrost Element Kits are available upon request.



- Aesthetically pleasing construction provides a professional finish to any coolroom
- Robust aluminium casing with easy clean, hygienic white powder coated finish
- High efficiency EBМ external rotor fan motors come pre-wired to electrical box
- Intermediate drip tray prevents air-flow bypass and condensation
- Corrosion resistant stainless steel fasteners used throughout construction

Correction Factors

Suction Temperatures	-10°C	-5°C	0°C	+5°C
Correction Factor	0.97	1.00	1.03	1.05



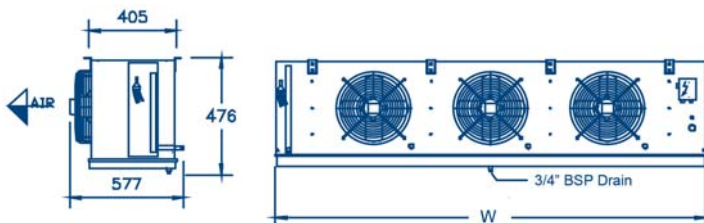
HSR Series - Realcold Low Temperature Evaporators (300 mm Fans)

Realcold Stock No.	Model	Capacity in Watts @ 6KTD R404A	Fans (mm)	Air Volume (M ³ / Sec)	Dimensions (mm)			Weight (Kg)	Connections		Price \$ Excl. GST
					W	D	H		Liquid	Suction	
W5054H	HSR - 301 - 3RE	1560	1 x 300	0.48	874	577	476	17	1/2	5/8	
W5056H	HSR - 301 - 4RE	1800	1 x 300	0.44	874	577	476	18	1/2	7/8	
W5058H	HSR - 301 - 5RE	1970	1 x 300	0.41	874	577	476	19	1/2	7/8	
W5062H	HSR - 302 - 3RE	3140	2 x 300	0.96	1376	577	476	26	1/2	7/8	
W5064H	HSR - 302 - 4RE	3630	2 x 300	0.88	1376	577	476	29	1/2	7/8	
W5066H	HSR - 302 - 5RE	3960	2 x 300	0.82	1376	577	476	31	1/2	7/8	
W5068H	HSR - 303 - 3RE	4720	3 x 300	1.44	1884	577	476	35	1/2	1.1/8	
W5070H	HSR - 303 - 4RE	5450	3 x 300	1.32	1884	577	476	39	1/2	1.1/8	
W5072H	HSR - 303 - 5RE	5940	3 x 300	1.23	1884	577	476	42	1/2	1.1/8	

Heat Exchangers

Technical Data

Realcold Stock No.	Model	Nom Cap R404A (kW) kW @ ITD = 6K Te = -5°C	Coil Surface Area (m ²)	Air Flow Frost Free (m ³ /s)	Face Velocity (m/s)	Mass (kg)	Air Throw (m)	Liquid connection mm (inch)	Suction connection mm (inch)	TX Valve Type INT/EXT	Elect. defrost 230V (kW)	Heater Element Kit No.
W5054H	HSR-301-3RE	1.56	9.0	0.5	2.5	17	11	12.7 (1/2)	15.9 (5/8)	EXT	1.2	W7160
W5056H	HSR-301-4RE	1.80	12.0	0.4	2.3	18	10	12.7 (1/2)	22.2 (7/8)	EXT	1.2	W7160
W5058H	HSR-301-5RE	1.97	15.0	0.4	2.2	19	9	12.7 (1/2)	22.2 (7/8)	EXT	1.5	W7161
W5062H	HSR-302-3RE	3.14	18.0	1.0	2.5	26	11	12.7 (1/2)	22.2 (7/8)	EXT	2.2	W7162
W5064H	HSR-302-4RE	3.63	24.0	0.9	2.3	29	10	12.7 (1/2)	22.2 (7/8)	EXT	2.2	W7162
W5066H	HSR-302-5RE	3.96	30.0	0.8	2.2	31	9	12.7 (1/2)	22.2 (7/8)	EXT	2.8	W7164
W5068H	HSR-303-3RE	4.72	27.0	1.4	2.5	35	11	12.7 (1/2)	28.5 (1.1/8)	EXT	3.2	W7163
W5070H	HSR-303-4RE	5.45	36.0	1.3	2.3	39	10	12.7 (1/2)	28.5 (1.1/8)	EXT	3.2	W7163
W5072H	HSR-303-5RE	5.94	45.0	1.2	2.2	42	9	12.7 (1/2)	28.5 (1.1/8)	EXT	4.0	W7165



- Robust aluminium casing with easy clean, hygienic white powder coated finish
- High efficiency EBM external rotor fan motors come pre-wired to electrical box
- Intermediate drip tray prevents air-flow bypass and condensation
- Corrosion resistant stainless steel fasteners used throughout construction
- Defrost elements and temperature termination thermostat pre-wired to terminal box on all low temp models
- Defrost elements incased in copper sleeves offer; superior heater reliability, easy replacement and reduces frost formation on fans and ceiling

Correction Factors

Suction Temperatures	-35°C	-30°C	-24°C	-20°C	-15°C
Correction Factor	0.92	0.97	1.00	1.02	1.03



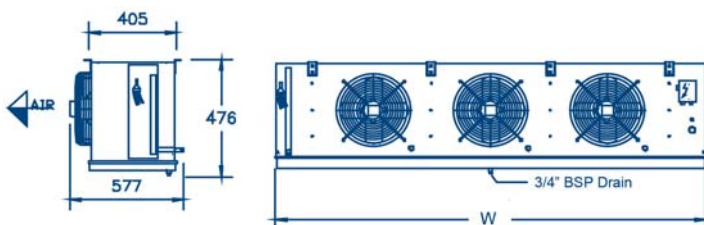
HSR Series - Medium Temperature Evaporators (350 mm Fans)

Realcold Stock No.	Model	Capacity in Watts @ 6KTD		Fans (mm)	Air Volume (M ³ / Sec)	Dimensions (mm)			Weight (Kg)	Connections		Price \$ Excl. GST
		R404A	R134a			W	D	H		Liquid	Suction	
HSR Range												
W5024H	HSR - 352 - 4R	6540	6222	2 x 350	1.42	1455	577	476	38	1/2	1.1/8	
W5026H	HSR - 352 - 6R	7700	7326	2 x 350	1.30	1455	577	476	44	1/2	1.1/8	
W5028H	HSR - 353 - 4R	9830	9352	3 x 350	2.13	1972	577	476	51	5/8	1.1/8	
W5030H	HSR - 353 - 6R	11580	11017	3 x 350	1.95	1972	577	476	61	5/8	1.1/8	
W5032H	HSR - 354 - 4R	13140	12501	4 x 350	2.84	2540	577	476	65	5/8	1.3/8	
W5034H	HSR - 354 - 6R	15440	14690	4 x 350	2.60	2540	577	476	78	5/8	1.3/8	

Technical Data

Realcold Stock No.	Model	Nom Cap R404A (kW) kW @ ITD = 6K Te = -5°C	Coil Surface Area (m ²)	Air Flow Frost Free (m ³ /s)	Face Velocity (m/s)	Mass (kg)	Air Throw (m)	Liquid connection mm (inch)	Suction connection mm (inch)	TX Valve Type INT/EXT	Elect. defrost 230V (kW)	Heater Element Kit No.
HSR Range												
W5024H	HSR-352-4R	6.54	32.0	1.4	2.7	38	15	12.7 (1/2)	28.5 (1.1/8)	EXT	n/a	W7175
W5026H	HSR-352-6R	7.70	48.0	1.3	2.4	44	15	12.7 (1/2)	28.5 (1.1/8)	EXT	n/a	W7179
W5028H	HSR-353-4R	9.83	48.0	2.1	2.7	51	16	15.9 (5/8)	28.5 (1.1/8)	EXT	n/a	W7181
W5030H	HSR-353-6R	11.58	72.0	2.0	2.4	61	16	15.9 (5/8)	34.9 (1.3/8)	EXT	n/a	W7187
W5032H	HSR-354-4R	13.14	64.0	2.8	2.7	65	17	15.9 (5/8)	34.9 (1.3/8)	EXT	n/a	W7185
W5034H	HSR-354-6R	15.44	97.0	2.6	2.4	78	17	15.9 (5/8)	34.9 (1.3/8)	EXT	n/a	W7191

Note: Partial Defrost Element Kits are available upon request.



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- Corrosion resistant stainless steel fasteners used throughout construction
- Defrost elements and temperature termination thermostat pre-wired to terminal box on all low temp models
- Defrost elements incased in copper sleeves offer; superior heater reliability, easy replacement and reduces frost formation on fans and ceiling

Correction Factors					
Suction Temperatures	-35°C	-30°C	-24°C	-20°C	-15°C
Correction Factor	0.92	0.97	1.00	1.02	1.03



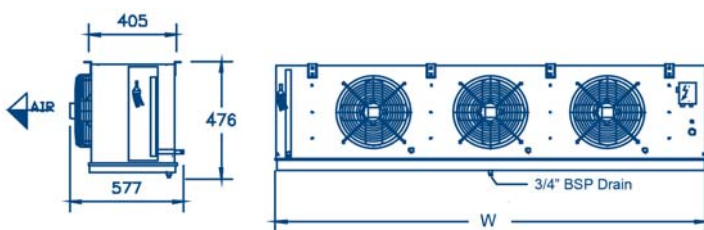
HSR Series - Low Temperature Evaporators (350 mm Fans)

Realcold Stock No.	Model	Capacity in Watts @ 6KTD R404A	Fans (mm)	Air Volume (M ³ / Sec)	Dimensions (mm)			Weight (Kg)	Connections		Price \$ Excl. GST
					W	D	H		Liquid	Suction	
HCT Range											
W5076H	HSR - 352 - 6RE	6620	2 x 350	1.30	1455	577	476	44	1/2	1.1/8	
W5080H	HSR - 353 - 6RE	9960	3 x 350	1.95	1972	577	476	61	5/8	1.1/8	
W5082H	HSR - 354 - 4RE	11300	4 x 350	2.84	2540	577	476	65	5/8	1.3/8	
W5084H	HSR - 354 - 6RE	13280	4 x 350	2.60	2540	577	476	78	5/8	1.3/8	

Technical Data

Realcold Stock No.	Model	Nom Cap R404A (kW) kW @ ITD = 6K Te = -5°C	Coil Surface Area (m ²)	Air Flow Frost Free (m ³ /s)	Face Velocity (m/s)	Mass (kg)	Air Throw (m)	Liquid connection mm (inch)	Suction connection mm (inch)	TX Valve Type INT/EXT	Elect. efrost 230V (kW)	Heater Element Kit No.
HCT Range												
W5076H	HSR-352-6RE	6.62	48.0	1.3	2.4	44	15	12.7 (1/2)	28.5 (1.1/8)	EXT	5.0	W7179
W5080H	HSR-353-6RE	9.96	72.0	2.0	2.4	61	16	15.9 (5/8)	34.9 (1.3/8)	EXT	7.5	W7187
W5082H	HSR-354-4RE	11.30	64.0	2.8	2.7	65	17	15.9 (5/8)	34.9 (1.3/8)	EXT	8.0	W7185
W5084H	HSR-354-6RE	13.28	97.0	2.6	2.4	78	17	15.9 (5/8)	34.9 (1.3/8)	EXT	10.0	W7191

Note: Partial Defrost Element Kits are available upon request.



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- Intermediate drip tray prevents air-flow bypass and condensation
- Corrosion resistant stainless steel fasteners used throughout construction
- Defrost elements and temperature termination thermostat pre-wired to terminal box on all low temp models
- Defrost elements incased in copper sleeves offer; superior heater reliability, easy replacement and reduces frost formation on fans and ceiling

Correction Factors					
Suction Temperatures	-35°C	-30°C	-24°C	-20°C	-15°C
Correction Factor	0.92	0.97	1.00	1.02	1.03



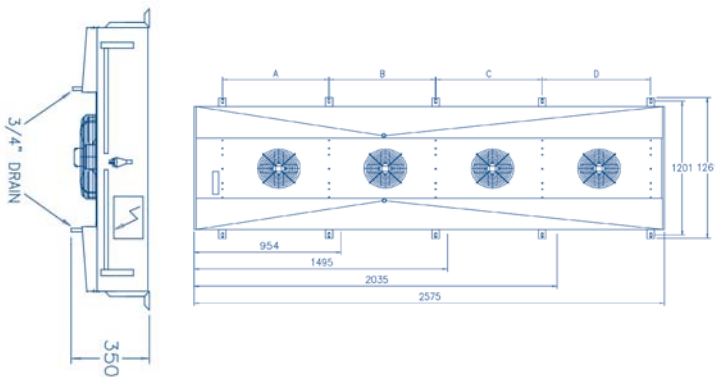
HDD Series - Low Temperature Evaporators (350 mm Fans)

Realcold Stock No.	Model	Capacity in Watts @ 6KTD		Fans (mm)	Air Volume (M ³ / Sec)	Dimensions (mm)			Weight (Kg)	Connections		Price \$ Excl. GST
		R404A	R134a			W	D	H		Liquid	Suction	
HDD Range												
W5500H	HDD - 351 - 4R	4070	3872	1 x 350	0.75	954	577	1261	26	1/2	7/8	
W5502H	HDD - 352 - 3R	7040	7763	2 x 350	1.50	1495	577	1261	42	1/2	1.1/8	
W5504H	HDD - 353 - 3R	10580	10066	3 x 350	2.34	2035	577	1261	53	5/8	1.1/8	
W5508H	HDD - 353 - 6R	14080	13396	3 x 350	2.10	2035	577	1261	69	5/8	1.1/8	

Technical Data

Realcold Stock No.	Model	Nom Cap R404A (kW) kW @ ITD = 6K Te = -5°C	Coil Surface Area (m ²)	Air Flow Frost Free (m ³ /s)	Face Velocity (m/s)	Mass (kg)	Air Throw (m)	Liquid connection mm (inch)	Suction connection mm (inch)	TX Valve Type INT/EXT	Elect. defrost 230V (kW)	Heater Element Kit No.
HDD Range												
W5500H	HDD-351-4R	4.07	17.3	0.8	2.6	26	4	12.7 (1/2)	22.2 (7/8)	EXT	n/a	W7130
W5502H	HDD-352-3R	7.04	26.0	1.6	2.7	38	4	12.7 (1/2)	28.5 (1.1/8)	EXT	n/a	W7132
W5504H	HDD-353-3R	10.58	39.0	2.3	2.7	53	4	15.9 (5/8)	28.5 (1.1/8)	EXT	n/a	W7134
W5508H	HDD-353-6R	14.08	78.0	2.1	2.4	69	4	15.9 (5/8)	34.9 (1.3/8)	EXT	n/a	W7136

Note: Partial Defrost Element Kits are available upon request.



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- Intermediate drip tray prevents air-flow bypass and condensation
- Corrosion resistant stainless steel fasteners used throughout construction
- Defrost elements and temperature termination thermostat pre-wired to terminal box on all low temp models
- Defrost elements incased in copper sleeves offer; superior heater reliability, easy replacement and reduces frost formation on fans and ceiling

Correction Factors

Suction Temperatures	-35°C	-30°C	-24°C	-20°C	-15°C
Correction Factor	0.92	0.97	1.00	1.02	1.03



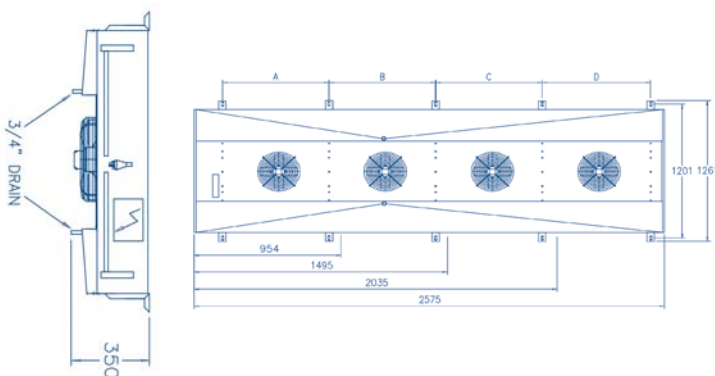
HDD Series - Low Temperature Evaporators (350 mm Fans)

Realcold Stock No.	Model	Capacity in Watts @ 6KTD	Fans (mm)	Air Volume (M ³ / Sec)	Dimensions (mm)			Weight (Kg)	Connections		Price \$ Excl. GST
		R404A			W	D	H		Liquid	Suction	
HDD Range											
W4630	HDD-351-4RE	3500	0.75	0.75	954	577	1261	26	1/2	7/8	
W4632	HDD-352-3RE	6050	1.56	1.56	1495	577	1261	38	1/2	1.1/8	
W4634	HDD-353-3RE	9100	2.40	2.34	2035	577	1261	53	5/8	1.1/8	
W4636	HDD-353-6RE	12110	2.22	2.10	2035	577	1261	69	5/8	1.3/8	

Technical Data

Realcold Stock No.	Model	Nom Cap R404A (kW) kW @ ITD = 6K Te = -5°C	Coil Surface Area (m ²)	Air Flow Frost Free (m ³ /s)	Face Velocity (m/s)	Mass (kg)	Air Throw (m)	Liquid connection mm (inch)	Suction connection mm (inch)	TX Valve Type INT/EXT	Elect. defrost 230V (kW)	Heater Element Kit No.
HDD Range												
W4630	HDD-351-4RE	3.50	17.3	0.8	2.6	26	4	12.7 (1/2)	22.2 (7/8)	EXT	2.5	W7130
W4632	HDD-352-3RE	6.05	26.0	1.6	2.7	38	4	12.7 (1/2)	28.5 (1.1/8)	EXT	3.0	W7132
W4634	HDD-353-3RE	9.10	39.0	2.3	2.7	53	4	15.9 (5/8)	28.5 (1.1/8)	EXT	4.5	W7134
W4636	HDD-353-6RE	12.11	78.0	2.1	2.4	69	4	15.9 (5/8)	34.9 (1.3/8)	EXT	9.0	W7136

Note: Partial Defrost Element Kits are available upon request.



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Correction Factors					
Suction Temperatures	-35°C	-30°C	-24°C	-20°C	-15°C
Correction Factor	0.92	0.97	1.00	1.02	1.03

Heat Exchangers



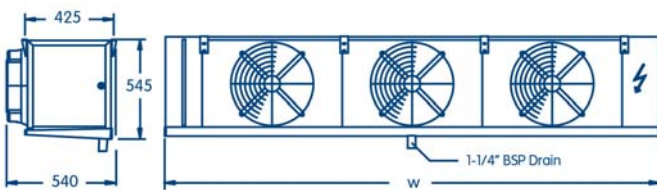
GSF Series - Medium Temperature (400 mm Fans)

Realcold Stock No.	Model	Capacity in Watts @ -4°C SST/6KTD		Price \$ Excl. GST
		R404A	R134a	
GSF Range				
E0416	GSF040.2D/24-ANW	5800	5450	
E0418	GSF040.2F/24-ANW	8000	7520	
E0419	GSF040.2H/24-ANW	9500	8930	
E0420	GSF040.2F/34-ANW	12200	11470	
E0421	GSF040.2H/34-ANW	14800	13910	
E0422	GSF040.2F/44-ANW	16000	15040	
E0423	GSF040.2H/44-ANW	19100	17950	

Technical Data

		E0416 040.2D/24	E0418 040.2F/24	E0419 040.2H/24	E0420 040.2F/34	E0421 040.2H/34	E0422 040.2F/44	E0423 040.2H/44
Air Flow	m ³ / hr	6280	6140	5790	9210	8685	12280	11580
	Ltr / sec	1744	1706	1608	2558	2413	3411	3217
Air Throw (m)	Std Unit	14	13	13	14	13	14	14
	Air Streamer *	28	26	25	28	27	29	27
Ebm Fan Motor 400 mm (230V)	No. of fans	2	2	2	3	3	4	4
	Total Watts	460	460	460	690	690	920	920
	Total Amps	2.1	2.1	2.1	3.2	3.2	4.2	4.2
Sound Data dB(A) @ 3 Metres		55	55	55	57	57	58	58
Surface Area	m ²	32.7	49.1	65.4	73.6	98.2	98.2	130.9
Fin Spacing	mm	4	4	4	4	4	4	4
Expansion Valve	Type	EXT	EXT	EXT	EXT	EXT	EXT	EXT
Liquid Connection	mm	16	16	22	22	22	22	22
Suction Connection	mm	28	35	35	35	35	42	54
Dry Weight	kg	60	69	75	98	107	128	141
Dimensions (width)	mm	1770	1770	1770	2550	2550	3230	3230

* Air Streamer Optional



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- Intermediate drip tray prevents air-flow bypass & condensation
- Corrosion resistant stainless steel fasteners & mounting brackets
- Hinged side covers for easy access to TX valve

Correction Factors

Suction Temperatures	-10°C	-5°C	0°C	+5°C
Correction Factor	0.97	1.00	1.03	1.05



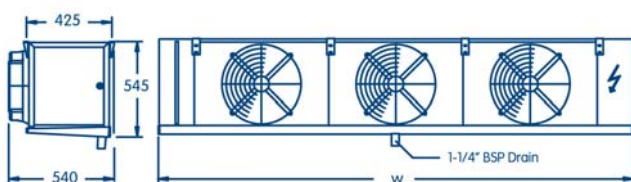
GSF Series - Low Temperature (400 mm Fans)

Realcold Stock No.	Model	Capacity in Watts @ -24°C SST/6KTD	Price \$ Excl. GST
		R404A	
E0468L	GSF040.2F/27-ENW	5600	
E0470L	GSF040.2H/27-ENW	7000	
E0472L	GSF040.2F/37-ENW	8500	
E0474L	GSF040.2H/37-ENW	10300	
E0476L	GSF040.2F/47-ENW	11300	
E0478L	GSF040.2H/47-ENW	14100	

Technical Data

		E0468L 040.2F/27	E0470L 040.2H/27	E0472L 040.2F/37	E0474L 040.2H/37	E0476L 040.2F/47	E0478L 040.2H/47	
Air Volume	m ³ / hr	6420	6060	9630	9090	12840	12120	
	Ltr / sec	1783	1689	2675	2525	3567	3367	
Air Throw (m)	Std Unit	14	13	15	14	16	14	
	Air Streamer *	31	30	32	31	34	32	
Ebm Fan Motor 400 mm (230V)	No. of Fans	2	2	3	3	4	4	
	Total Watts	460	460	690	690	920	920	
	Total Amps	2.1	2.1	3.2	3.2	4.2	4.2	
Sound Data dB(A) @ 3 Metres		55	55	57	57	58	58	
Defrost Elements	Coil	Qty	3	4	3	4	3	
		Watts (ea)	1250	1250	1600	1600	2300	2300
		Amps (ea)	5.4	5.4	7.0	7.0	10	10
	Pan	Qty	1	1	1	1	1	1
		Watts (ea)	1200	1200	1800	1800	2200	2200
		Amps (ea)	5.2	5.2	7.8	7.8	9.6	9.6
Surface Area	m ²	29.4	39.2	44.1	58.7	58.7	78.3	
Fin Spacing	mm	7	7	7	7	7	7	
Expansion Valve	Type	EXT	EXT	EXT	EXT	EXT	EXT	
Liquid Connection	mm	16	22	22	22	22	22	
Suction Connection	mm	28	35	35	35	42	54	
Dry Weight	kg	62	75	89	107	116	141	
Dimensions (width)	mm	1770	1770	2550	2550	3230	3230	

* Air Streamer Optional



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- Intermediate drip tray prevents air-flow bypass & condensation
- Corrosion resistant stainless steel fasteners & mounting brackets
- Hinged side covers for easy access to TX valve
- Heaters encased in SS sleeves for greater reliability
- 7 mm fin spacing reduces energy-robbing ice ups

Correction Factors						
Suction Temperatures	-40°C	-35°C	-30°C	-24°C	-20°C	-15°C
Correction Factor	0.85	0.92	0.97	1.00	1.02	1.03



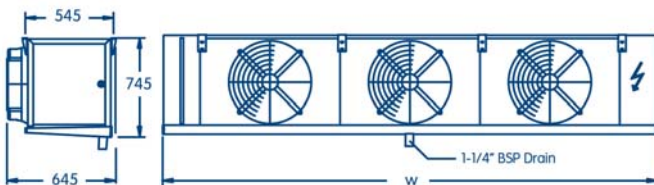
GSF Series - Medium Temperature (500 mm Fans)

Realcold Stock No.	Model	Capacity in Watts @ -4°C SST/6KTD		Price \$ Excl. GST
		R404A	R134a	
GSF Range				
E0506	GSF050.2F/24.ANS	17000	16000	
E0508	GSF050.2H/24.ANS	20100	18900	
E0510	GSF050.2F/34.ANS	25600	24100	
E0515	GSF050.2H/34.ANS	30400	28600	
E0516	GSF050.2F/44.ANS	35100	33000	
E0518	GSF050.2H/44.ANS	41900	39400	

Technical Data

		E0506 050.2F/24	E0508 050.2H/24	E0510 050.2F/34	E0515 050.2H/34	E0516 050.2F/44	E0518 050.2H/44
Air Flow	m ³ / hr	13380	12800	19680	18810	26240	25080
	Ltr / sec	3717	3556	5467	5225	7289	6967
Air Throw (m)	Std Unit	21	20	22	21	23	22
	Air Streamer *	39	37	40	39	42	41
Ebm Fan Motor 500 mm (400V)	No. of fans	2	2	3	3	4	4
	Total Watts	1240	1240	1860	1860	2480	2480
	Total Amps	2.9	2.9	4.4	4.4	5.8	5.8
Sound Data dB(A) @ 3 Metres		57	57	60	60	61	61
Surface Area	m ²	101.0	134.7	151.6	202.1	202.1	269.4
Fin Spacing	mm	4	4	4	4	4	4
Expansion Valve	Type	EXT	EXT	EXT	EXT	EXT	EXT
Liquid Connection	mm	22	22	22	28	28	35
Suction Connection	mm	42	42	54	54	54	54
Dry Weight	kg	130	156	190	227	247	296
Dimensions (width)	mm	2470	2470	3570	3570	4570	4570

* Air Streamer Optional



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- Hinged side covers for easy access to TX valve

Correction Factors				
Suction Temperatures	-10°C	-5°C	0°C	+5°C
Correction Factor	0.97	1.00	1.03	1.05



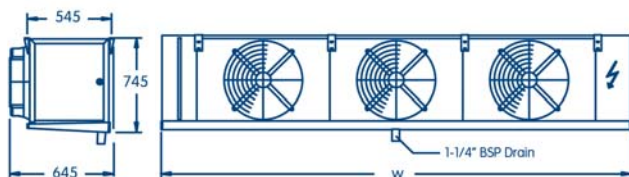
GSF Series - Low Temperature (500 mm Fans)

Realcold Stock No.	Model	Capacity in Watts @ -24°C SST/6KTD	Price \$ Excl. GST
		R404A	
E0533	GSF050.2H/27-ENS	15300	
E0535	GSF050.2J/27-ENS	18500	
E0538	GSF050.2H/37-ENS	23800	
E0540	GSF050.2J/37-ENS	26200	
E0543	GSF050.2H/47-ENS	30800	

Technical Data

		E0533 050.2H/27	E0535 050.2J/27	E0538 050.2H/37	E0540 050.2J/37	E0543 050.2H/47	
Air Volume	m ³ / hr	13280	12880	19920	19320	26560	
	Ltr / sec	3689	3578	5533	5367	7378	
Air Throw (m)	Std Unit	22	21	23	22	24	
	Air Streamer *	42	41	44	43	46	
Ebm Fan Motor 500 mm (400V)	No. of Fans	2	2	3	3	4	
	Total Watts	1240	1240	1860	1860	2480	
	Total Amps	2.9	2.9	4.4	4.4	5.8	
Sound Data dB(A) @ 3 Metres		59	59	60	60	61	
Defrost Elements	Coil	Qty	5	6	5	6	5
		Watts (ea)	1750	1750	2400	2400	3500
		Amps (ea)	7.6	7.6	10.4	10.4	15.2
	Pan	Qty	2	2	2	2	2
		Watts (ea)	1200	1200	1600	1600	1800
		Amps (ea)	5.2	5.2	7.0	7.0	7.8
Surface Area	m ²	80.6	100.8	120.9	151.2	161.3	
Fin Spacing	mm	7	7	7	7	7	
Expansion Valve	Type	EXT	EXT	EXT	EXT	EXT	
Liquid Connection	mm	28	22	28	28	28	
Suction Connection	mm	42	54	54	54	54	
Dry Weight	kg	143	153	209	221	270	
Dimensions (width)	mm	2470	2470	3570	3570	4570	

* Air Streamer Optional



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- 7 mm fin spacing reduces energy-robbing ice ups

Correction Factors						
Suction Temperatures	-40°C	-35°C	-30°C	-24°C	-20°C	-15°C
Correction Factor	0.85	0.92	0.97	1.00	1.02	1.03

Medium Temp Technical Data

Realcold Stock No.	New Model	CP 134A @ 6KTD 404A	Air Flow (m ³ /s)	Air Throw (m)	Fan Stock Number	No Fan	Fan Dia (Amp ea)	Fan power (Amp ea)	D/F Element Number	Defrost (kW)	D/F Tray Number	Dimensions			Connections		Drain (BSP)	Weight (Kg)
												L	W	H	Inlet	Outlet		
W5500	TM140	4165	4082	0.8	—	1	400	0.78	n/a	—	n/a	1224	845	355	12.7	22.3	20	38
W5502	TM270	7143	7000	1.6	—	2	400	0.78	n/a	—	n/a	1705	850	360	12.7	22.3	20	59
W5504	TM3100	10204	10000	2.4	—	3	400	0.78	n/a	—	n/a	2205	850	360	12.7	28.1	20	85
W5508	TM3140	14286	14000	3.3	—	4	400	0.78	n/a	—	n/a	2705	850	360	12.7	28.1	20	121
W5000	NM114	1400	1372	0.73	9.0	R0930	1	300	0.68	—	n/a	770	400	395	12.7	15.9	20	17
W5002	NM117	1690	1656	0.68	8.5	R0930	1	300	0.68	—	n/a	770	400	395	12.7	15.9	20	18
W5004	NM121	2090	2048	0.64	8.0	R0930	1	300	0.68	—	n/a	770	400	395	12.7	15.9	20	19
W5006	NM124	2370	2323	0.73	8.0	R0930	1	300	0.68	—	n/a	975	400	395	12.7	15.9	20	21
W5008	NM127	2710	2656	0.7	7.5	R0930	1	300	0.68	—	n/a	975	400	395	12.7	15.9	20	23
W5010	NM232	3200	3136	1.45	9.0	R0930	2	300	0.68	—	n/a	1270	400	395	12.7	15.9	20	25
W5012	NM240	3950	3871	1.36	8.5	R0930	2	300	0.68	—	n/a	1270	400	395	12.7	15.9	20	27
W5014	NM245	4520	4430	1.28	8.0	R0930	2	300	0.68	—	n/a	1270	400	395	12.7	22.3	20	29
W5016	NM254	5450	5341	2.05	8.0	R0930	3	300	0.68	—	n/a	1770	400	395	12.7	22.3	20	44
W5018	NM464	6400	6272	2.91	9.0	R0930	4	300	0.68	—	n/a	2270	400	395	12.7	22.3	20	50
W5020	NM374	7400	7252	1.93	7.5	R0930	3	300	0.68	—	n/a	1770	400	395	12.7	22.3	20	47
W5022	NM479	7895	7737	2.73	8.0	R0930	4	300	0.68	—	n/a	2270	400	395	15.9	28.1	20	58
W5024	SM271	7102	6960	1.76	17.0	R0935	2	350	0.58	—	n/a	1483	482	510	12.7	22.3	20	48
W5026	SM386	8599	8427	2.7	18.0	R0935	3	350	0.58	—	n/a	2233	482	510	15.9	29	20	71
W5028	SM3105	10653	10440	2.64	17.0	R0935	3	350	0.58	—	n/a	2233	482	510	15.9	35	20	75
W5030	SM3125	12434	12185	2.58	16.0	R0935	3	350	0.58	—	n/a	2233	482	510	15.9	35	20	79
W5032	SM4140	14204	13920	3.52	17.0	R0935	4	350	0.58	—	n/a	2731	482	510	15.9	35	20	92
W5034	SM4165	16574	16243	3.44	16.0	R0935	4	350	0.58	—	n/a	2731	482	510	15.9	35	20	98
W5036	SM5210	21179	20340	4.28	19.0	R0935	5	350	0.58	—	n/a	3223	482	510	15.9	35	40	121

Medium Temp Technical Data

Realcold Stock No.	New Model	CP 134A @ 6KTD 404A	Air Flow (m³/s)	Air Throw (m)	Fan Stock Number	No Fan	Fan Dia	Fan power (Amp ea)	D/F Element Number	Defrost (kW)	D/F Tray Number	Dimensions			Connections		Drain (BSP)	Weight (Kg)
												L	W	H	Inlet	Outlet		
W5200	SM271P	7102	1.76	18.0	R0935	2	350	0.58	W7240	1.5	n/a	1483	482	510	12.7	22.3	20	48
W5202	SM386P	8599	2.7	20.0	R0935	3	350	0.58	W7242	2.4	n/a	2233	482	510	15.9	29	20	71
W5204	SM3105P	10653	2.64	19.0	R0935	3	350	0.58	W7242	2.4	n/a	2233	482	510	15.9	35	20	75
W5206	SM3125P	12434	2.58	18.0	R0935	3	350	0.58	W7242	2.4	n/a	2233	482	510	15.9	35	20	79
W5208	SM4140P	14204	3.52	17.0	R0935	4	350	0.58	W7244	3.0	n/a	2731	482	510	15.9	35	40	92
W5210	SM4165P	16574	3.44	16.0	R0935	4	350	0.58	W7244	3.0	n/a	2731	482	510	15.9	35	40	98
W5212	SM5210P	21179	—	19.0	R0935	5	350	0.58	W7246	3.0	n/a	3223	482	510	15.9	35	40	121
W5230	RM2140	14000	13333	4.1	R0950	2	500	1.85	—	4.5	n/a	2210	670	805	16	29	40	132
W5232	RM3185	18400	17524	5.0	R0950	3	500	1.85	—	4.5	n/a	2240	685	1075	16	35	40	173
W5234	RM3210	20600	19619	5.4	R0950	3	500	1.85	—	4.5	n/a	2740	685	1075	16	35	40	196
W5236	RM3230	23100	22000	5.1	R0950	3	500	1.85	—	5.4	n/a	2740	685	1075	16	35	40	198
W5238	RM3250	25200	24000	6.6	R0950	4	500	1.85	—	4.5	n/a	2740	685	1075	16	35	40	242
W5240	RM4280	28100	26762	6.4	R0950	4	500	1.85	—	5.4	n/a	2740	685	1075	16	35	40	242
W5242	VM2310	31000	29524	8.3	R0963	2	630	1.8	—	5.4	n/a	2240	775	1305	16	35	40	280
W5244	VM2340	34400	32762	7.0	R0963	2	630	1.8	—	4.8	n/a	2240	775	1305	16	41	40	340
W5246	VM3400	40000	38095	10.4	R0963	3	630	1.8	—	6.0	n/a	3240	775	1305	16	41	40	420
W5248	VM3450	45100	42952	10.2	R0963	3	630	1.8	—	7.2	n/a	3240	775	1305	16x2	35x2	40	420
W5250	VM3480	48300	46000	10.4	R0963	3	630	1.8	—	7.2	n/a	3600	775	1305	16x2	35x2	40	430
W5252	VM4520	52000	49524	13.0	R0963	4	630	1.8	—	8.0	n/a	3600	775	1305	16x2	35x2	40	430
W5254	VM4560	56000	53333	13.6	R0963	4	630	1.8	—	8.8	n/a	3890	775	1305	16x2	35x2	40	510

Low Temp Technical Data

Realcold Stock No.	New Model	CPR 404a	@ 6KTD R22	Air Flow (m ³ /s)	Air Throw (m)	Fan Stock No	No Fan	Fan Dia	Fan power (Amp ea)	Stock No	Defr. (kW)	D/F Tray Number	Watts	Dimensions			Connections		Drain (BSP)	Weight (Kg)
														L	W	H	Inlet	Outlet		
W5050	NL112	1210	1184	0.73	9.0	R0930	1	300	0.68	n/a	1.4	W7200	1400	770	400	395	12.7	15.9	20	17
W5052	NL115	1455	1426	0.68	8.5	R0930	1	300	0.68	n/a	1.4	W7200	1400	770	400	395	12.7	15.9	20	18
W5054	NL118	1800	1763	0.64	8.0	R0930	1	300	0.68	n/a	1.4	W7200	1400	770	400	395	12.7	15.9	20	19
W5056	NL120	2040	1998	0.73	8.0	R0930	1	300	0.68	n/a	1.4	W7202	1800	975	400	395	12.7	15.9	20	21
W5058	NL123	2330	2288	0.7	7.5	R0930	1	300	0.68	n/a	1.4	W7202	1800	975	400	395	12.7	15.9	20	23
W5060	NL228	2760	2706	1.45	9.0	R0930	2	300	0.68	n/a	2.4	W7204	2400	1270	400	395	12.7	15.9	20	29
W5062	NL234	3400	3330	1.36	8.5	R0930	2	300	0.68	n/a	2.4	W7204	2400	1270	400	395	12.7	15.9	20	31
W5064	NL239	3890	3815	1.28	8.0	R0930	2	300	0.68	n/a	2.4	W7204	2400	1270	400	395	12.7	22.3	20	33
W5066	NL347	4695	4601	2.05	8.0	R0930	3	300	0.68	n/a	3.6	W7208	3600	1770	400	395	12.7	22.3	20	44
W5068	NL455	5520	5413	2.91	9.0	R0930	4	300	0.68	n/a	4.8	W7210	4800	2270	400	395	12.7	22.3	20	50
W5070	NL464	6375	6375	1.93	7.5	R0930	3	300	0.68	n/a	3.6	W7208	3600	1770	400	395	12.7	22.3	20	47
W5072	NL468	6800	6668	2.73	8.0	R0930	4	300	0.68	n/a	4.8	W7210	4800	2270	400	395	15.9	28.1	20	58
W5074	SL261	6119	5997	1.76	17.0	R0935	2	350	0.58	W7240	3.5	W7206	2000	1483	482	510	12.7	22.3	20	48
W5076	SL374	7409	7261	2.7	18.0	R0935	3	350	0.58	W7242	6.0	W7210	4800	2233	482	510	15.9	29	20	71
W5078	SL392	9179	8995	2.64	17.0	R0935	3	350	0.58	W7242	7.2	W7210	4800	2233	482	510	15.9	35	20	75
W5080	SL3110	10713	10499	2.58	16.0	R0935	3	350	0.58	W7242	7.2	W7210	4800	2233	482	510	15.9	35	20	79
W5082	SL4120	12239	11994	3.52	17.0	R0935	4	350	0.58	W7244	7.7	W7212	3200	2723	482	510	15.9	35	40	92
W5084	SL4145	14282	13996	3.44	16.0	R0935	4	350	0.58	W7244	7.7	W7212	3200	2723	482	510	15.9	35	40	98
W5086	SM 5210P	17836	17479	4.28	19.0	R0935	5	350	0.58	W7246	9.0	W7224	1800	3223	482	510	15.9	35	40	121

* Optional 2 speed Ziehl plate axial or EC fans available for R and V evaps series on request.

Low Temp Technical Data

Realcold Stock No.	New Model	CPR 404a	@ 6KTD R22	Air Flow (m ³ /s)	Air Throw (m)	Fan Stock No	No Fan	Fan Dia	Fan power (Amp ea)	Stock No	Defr. (kW)	D/F Tray Number	Watts	Dimensions			Connections		Drain (BSP)	Weight (Kg)
														L	W	H	Inlet	Outlet		
W5260	RL3160	16200	15600	4.6	24.0	R0500	3	500	1.85	W7240	9.0	W7222	3600	2740	670	805	16	35	40	173
W5262	RL3185	18500	17800	4.8	24.0	R0500	3	500	1.85	W7242	10.8	W7224	3600	3240	670	805	16	35	40	196
W5264	RL3200	19700	18950	4.8	24.0	R0500	3	500	1.85	W7242	10.8	W7222	3600	2740	685	1075	16	35	40	198
W5266	RL4220	21700	20865	6.8	25.0	R0500	4	500	1.85	W7244	12.6	W7224	3600	3240	685	1075	16	35	40	198
W5268	RL4250	24700	23750	6.4	25.0	R0500	4	500	1.85	W7244	14.4	W7224	3600	3240	685	1075	16	35	40	242
W5270	VL2280	28000	26900	7.0	25.0	R0630	2	630	1.8	W7246	10.8	W7220	3600	2240	775	1305	16	35	40	242
W5272	VL2300	30000	28850	7.1	25.0	R0630	2	630	1.8	W7244	13.5	W7222	3600	2740	775	1305	16	41	40	290
W5274	VL3350	35000	33500	10.4	26.0	R0630	3	630	1.8	W7246	14.4	W7224	3600	3240	775	1305	16	41	40	345
W5276	VL3400	40000	38500	10.2	26.0	R0630	3	630	1.8	W7246	16.2	W7224	3600	3240	775	1305	16x2	35x2	40	345
W5278	VL4450	45000	43269	12.0	27.0	R0630	4	630	1.8	W7248	18.0	W7226	6400	3600	775	1305	16x2	35x2	40	430
W5280	VL4500	50000	48077	13.2	27.0	R0630	4	630	1.8	W7250	19.8	W7288	6400	3890	775	1305	16x2	35x2	40	430

* Optional 2 speed Ziehl plate axial or EC fans available for R and V evaps series on request.



Air Cooled Condensers Feature:

Steelfort is well known for its quality and innovation of these Air Cooled Condensers.

Specialising in the design and manufacture of Castle finned tube heat exchangers, Steelfort uses unique computer software developed in collaboration with Massey University's School of Engineering and Advanced Technology.

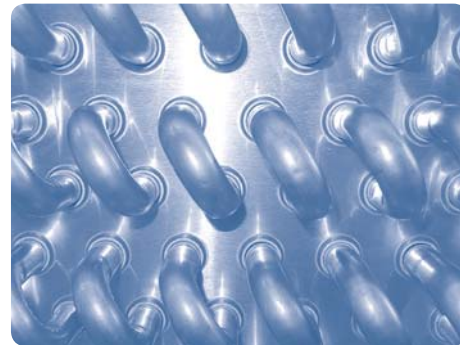
Casing: The casing is made from the highest quality aluminium construction, utilising rust free stainless steel fasteners throughout.

Heat Exchange Element (coil): Die formed plate type aluminium fins mechanically bonded to high efficiency inner grooved (rifled) copper tube.

Optional Epoxy Coated Aluminium Fins: For added protection in salt laden or polluted atmospheres.

Fans: Standard 630 diameter basket grill. Optional Ziehl or EC fans on request.

Custom built: Custom built units outside the standard range available on request.





Evaporator Mounting Kits - Nylon

Realcold Stock No.	Model	Contains	Recommended max. safe working load	Price \$ Excl. GST
Bluemay Kits				
J3210	Bluemay Chiller 4 Bolt Kit Bolt - 10 mm diameter and 150 mm length	4 x J3040 nut 4 x J3060 washer faced nut 4 x J3130 washer 4 x J3180 bolt	320 Kg	
J3212	Bluemay Freezer Kit 4 Bolt Kit Bolt - 10 mm diameter and 250 mm length	4 x J3040 nut 4 x J3060 washer faced nut 4 x J3130 washer 4 x J3182 bolt	320 Kg	
J3211	Bluemay Chiller 6 Bolt Kit Bolt - 10 mm diameter and 150 mm length	6 x J3040 nut 6 x J3060 washer faced nut 6 x J3130 washer 6 x J3180 bolt	480 Kg	
J3213	Bluemay Freezer 6 Bolt Kit Bolt - 10 mm diameter and 250 mm length	6 x J3040 nut 6 x J3060 washer faced nut 6 x J3130 washer 6 x J3182 bolt	480 Kg	

- The use of steel or brass nuts with Thermoplastic rod is **not** recommended.
- See technical data for temperature limitations. Not recommended for below -30°C.
- Care should be taken not to over-tighten nuts when used with Thermoplastic threaded rod. Nuts should be tightened by hand and given half a turn with a spanner.

Features & Benefits

Nylon threaded rod and Buffalo bolts, together with associated products, have been at the heart of Bluemay's manufacturing operation since 1973. This very special range is widely held in high regard by customers who have come to rely on its exceptional qualities and high standard of production.

Threaded Rod, Thermoplastic Nuts and Washers are available in Nylon 66, one of the strongest grades of engineering plastic. This remarkable material has many features, including a melting point of 260°C, a tensile strength at 23°C of 62-83 N/mm², and a 1-3% deformation under load 14N/mm² after 24 hours, at 50°C.

The products in the Bluemay range are:

- Efficient thermal and electrical insulators
- Non-corrosive
- Lightweight and easy to handle
- Hygenic



Thermoplastic - Nylon

Realcold Stock No.	Description		Recommended max. safe working load	Price \$ Excl. GST
Threaded Rod				
J3010	Nylon Threaded Rod	M10 x 1.0 metre	80 Kg	
J3012	Nylon Threaded Rod	M12 x 1.0 metre	120 Kg	
Buffalo Panel Bolts				
J3180	Nylon Panel Bolts	M10 x 150 mm	80 Kg	
J3182	Nylon Panel Bolts	M10 x 250 mm	80 Kg	
J3190	Nylon Panel Bolts	M12 x 150 mm	120 Kg	
J3192	Nylon Panel Bolts	M12 x 250 mm	120 Kg	
Full Hexagonal Nuts				
J3040	Nylon Full Hex Nuts	M10	80 Kg	
J3042	Nylon Full Hex Nuts	M12	120 Kg	
Washer Faced Nuts				
J3060	Nylon Washer Faced Nut	M10		
J3062	Nylon Washer Faced Nut	M12		
Dome Nuts				
J3080	Nylon Dome Nut	M10	80 Kg	
J3082	Nylon Dome Nut	M12	120 Kg	
Buffalo T-Nut				
J3160	Nylon T-Nut	M10	80 Kg	
J3162	Nylon T-Nut	M12	120 Kg	
Washer - Standard				
J3110	Nylon M10 Washer	10.5 mm ID x 21.0 mm OD x 2.0 mm Thick		
J3112	Nylon M12 Washer	13.0 mm ID x 24.0 mm OD x 2.5 mm Thick		
Washer - Load Bearing				
J3130	Nylon M10 Washer	10.5 mm ID x 45 mm OD x 4.5 mm Thick		
J3131	Nylon M10 Washer	10.5 mm ID x 75 mm OD x 4.5 mm Thick		
J3142	Nylon M12 Washer	13.0 mm ID x 50 mm OD x 4.5 mm Thick		
J3143	Nylon M12 Washer	14.0 mm ID x 75 mm OD x 4.5 mm Thick		
Mushroom Head Bolts - (coolroom bolts)				
J1285	Mushroom Head Bolt	M16 x 250 mm		
J1287	Mushroom Head Bolt	M16 x 300 mm		
J1290	Nylon Nut	M16		
J1292	Nylon Washer	M16		



Threaded Rod



Buffalo Panel Bolt



Dome Nut



Washer Faced Nut



Buffalo T-Nut



Mushroom Head Bolt