



Leading manufacturer of industrial refrigeration  
and air conditioning equipments



**Pendle**<sup>®</sup>  
Refrigeration Wholesale Limited

**Price List 2019**

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**FR RANGE**
**COPPER TUBES**
**Cubic Evaporators - Ceiling Mounted**

All evaporators are available in five options as shown below. Off cycle defrost is the standard model.  
To identify a particular version, simply add the designation to the standard model, eg FRM 148 E or FRM 310 HG.

**FRM**
**Ceiling Mounted - Copper Tubes - Fin Spacing 4.2 mm**

Model	Off Cycle Defrost	Electric Defrost	High Efficiency Electric Defrost	Water	Hot Gas	Fans	Air Throw (M)	Weight (Kg)
Designation:		E	E+	W	HG	Nr		
Fan	List Price	List Price	List Price	List Price	List Price			
<b>Ø 300</b>								
FRM 148	£898	£1,039	£1,271	£1,056	£1,087	1	12	23
FRM-165	£994	£1,135	£1,367	£1,157	£1,183	1	12	24
FRM-235	£1,123	£1,296	£1,603	£1,296	£1,313	1	11	28
FRM-270	£1,383	£1,559	£1,857	£1,039	£1,628	2	14	38
FRM-310	£1,503	£1,679	£1,977	£1,824	£1,748	2	14	41
FRM-445	£1,723	£1,942	£2,337	£2,060	£1,969	2	13	48
FRM-500	£2,036	£2,247	£2,611	£2,511	£2,348	3	14	58
FRM-575	£2,372	£2,634	£3,120	£2,876	£2,684	3	14	69
<b>Ø 400</b>								
FRM-590	£2,674	£2,911	£3,339	£3,010	£2,971	2	14	71
FRM-840	£3,068	£3,350	£3,940	£3,423	£3,364	2	14	84
FRM-960	£3,706	£3,991	£4,522	£4,205	£4,074	3	15	102
FRM-1145	£4,311	£4,669	£5,370	£4,839	£4,679	3	15	120
<b>Ø 500</b>								
FRM-850	£2,981	£3,312	£3,901	£3,188	£3,319	1	17	89
FRM-950	£3,327	£3,735	£4,512	£3,543	£3,665	1	16	99
FRM-1290	£4,695	£5,101	£5,846	£5,175	£5,130	2	19	142
FRM-1780	£5,334	£5,841	£6,829	£5,828	£5,769	2	18	159
FRM-2430	£6,630	£7,142	£8,060	£7,292	£7,190	3	21	201
FRM-2750	£7,398	£8,041	£9,254	£7,958	£7,958	3	20	227
<b>Ø 630</b>								
FRM-2590	£7,167	£7,730	£8,810	£7,662	£7,653	2	32	224
FRM-3500	£8,036	£8,724	£10,117	£8,550	£8,522	2	31	251
FRM-4490	£10,072	£10,821	£12,210	£10,763	£10,707	3	33	322
FRM-4800	£11,320	£12,217	£14,024	£12,040	£11,955	3	32	363

**FRM Range** of cubic unit coolers for the preservation of fresh goods at 0/+2°C and frozen products at -18°C. Nominal capacities between 2.5 - 79.4 Kw. High cooling efficiency coil built of internally grooved copper tube and corrugated aluminium fins. Available as standard off cycle defrost, electric defrost (heating elements inside the coil), water (water showers to spread water over coil), hot gas defrost (hot gas connection and tube coil to defrost the bottom tray), and electric defrost with high efficiency (E+). E+ consists of a large number of heating elements of low electric power lodged inside copper tubes to greatly improve the standard electric defrost system and reduce the electric energy required, reducing both electric and



**FRB**
**Ceiling Mounted - Copper Tubes - Fin Spacing 7 mm**

Model	Off Cycle Defrost	Electric Defrost	High Efficiency Electric Defrost	Water	Hot Gas	Fans	Air Throw (M)	Weight (Kg)
Designation:		E	E+	W	HG	Nr		
Fan	List Price	List Price	List Price	List Price	List Price			
<b>Ø 300</b>								
FRB-94	£888	£1,029	£1,262	£1,047	£1,077	1	12	23
FRB-110	£984	£1,125	£1,358	£1,147	£1,173	1	12	24
FRB-154	£1,109	£1,282	£1,589	£1,282	£1,298	1	11	28
FRB-175	£1,368	£1,545	£1,843	£1,680	£1,614	2	14	38
FRB-225	£1,488	£1,665	£1,963	£1,810	£1,734	2	14	41
FRB-297	£1,699	£1,918	£2,313	£2,036	£1,945	2	13	48
FRB-350	£2,016	£2,228	£2,591	£2,492	£2,328	3	14	58
FRB-435	£2,333	£2,595	£3,081	£2,837	£2,645	3	14	69
<b>Ø 400</b>								
FRB-445	£2,650	£2,887	£3,315	£2,986	£2,947	2	14	71
FRB-510	£3,024	£3,307	£3,897	£3,380	£3,321	2	14	84
FRB-580	£3,663	£3,948	£4,479	£4,162	£4,031	3	15	102
FRB-820	£4,249	£4,607	£5,308	£4,777	£4,616	3	15	120
<b>Ø 500</b>								
FRB-560	£2,948	£3,278	£3,867	£3,154	£3,286	1	17	89
FRB-650	£3,279	£3,688	£4,464	£3,495	£3,617	1	16	99
FRB-1050	£4,637	£5,044	£5,789	£5,118	£5,072	2	19	142
FRB-1450	£5,257	£5,764	£6,752	£5,751	£5,692	2	18	159
FRB-1730	£6,543	£6,959	£7,974	£7,206	£7,103	3	21	201
FRB-2250	£7,283	£7,926	£9,139	£7,974	£7,842	3	20	227
<b>Ø 630</b>								
FRB-2160	£7,076	£7,639	£8,719	£7,571	£7,562	2	32	224
FRB-2650	£7,912	£8,599	£9,992	£8,425	£8,397	2	31	251
FRB-3450	£9,933	£10,682	£12,071	£10,624	£10,567	3	33	322
FRB-3900	£11,133	£12,030	£13,837	£11,853	£11,768	3	32	363

**FRB Range** of cubic unit coolers for the preservation of frozen products down to -30°C. Nominal capacities between 2 and 70.8 Kw. High cooling efficiency coil built of internally grooved copper tube and corrugated aluminium fins. Available as standard off cycle defrost, electric defrost (heating elements inside the coil), water (water showers to spread water over coil), hot gas defrost (hot gas connection and tube coil to defrost the bottom tray), and electric defrost with high efficiency (E+). E+ consists of a large number of heating elements of low electric power lodged inside copper tubes to greatly improve the standard electric defrost system and reduce the electric energy required, reducing both electric and



**FRL**
**Ceiling Mounted - Copper Tubes - Fin Spacing 9 mm**

Model	Off Cycle Defrost	Electric Defrost	High Efficiency Electric Defrost	Water	Hot Gas	Fans	Air Throw (M)	Weight (Kg)
Designation:		E	E+	W	HG	Nr		
Fan	List Price	List Price	List Price	List Price	List Price			
<b>Ø 300</b>								
FRL-85	£888	£1,029	£1,262	£1,047	£1,077	1	12	23
FRL-100	£979	£1,120	£1,353	£1,143	£1,168	1	12	24
FRL-135	£1,104	£1,277	£1,584	£1,277	£1,293	1	11	28
FRL-160	£1,363	£1,540	£1,838	£1,675	£1,609	2	14	38
FRL-195	£1,479	£1,655	£1,953	£1,800	£1,724	2	14	41
FRL-275	£1,685	£1,904	£2,299	£2,021	£1,931	2	13	48
FRL-330	£1,997	£2,208	£2,572	£2,472	£2,309	3	14	58
FRL-420	£2,314	£2,576	£3,062	£2,818	£2,626	3	14	69
<b>Ø 400</b>								
FRL-425	£2,631	£2,868	£3,296	£2,967	£2,927	2	14	71
FRL-500	£3,000	£3,283	£3,873	£3,356	£3,297	2	14	84
FRL-550	£3,639	£3,924	£4,455	£4,138	£4,007	3	15	102
FRL-710	£4,210	£4,568	£5,269	£4,738	£4,578	3	15	120
<b>Ø 500</b>								
FRL-540	£2,919	£3,249	£3,839	£3,125	£3,257	1	17	89
FRL-600	£3,245	£3,654	£4,430	£3,461	£3,583	1	16	99
FRL-865	£4,594	£5,000	£5,745	£5,074	£5,029	2	19	142
FRL-1160	£5,199	£5,706	£6,694	£5,694	£5,634	2	18	159
FRL-1590	£6,476	£6,988	£7,907	£7,139	£7,036	3	21	201
FRL-1950	£7,191	£7,835	£9,047	£7,883	£7,751	3	20	227
<b>Ø 630</b>								
FRL-1795	£7,004	£7,567	£8,647	£7,499	£7,490	2	32	224
FRL-2340	£7,816	£8,503	£9,896	£8,329	£8,301	2	31	251
FRL-2960	£9,827	£10,576	£11,965	£10,518	£10,462	3	33	322
FRL-3850	£10,989	£11,886	£13,693	£11,709	£11,623	3	32	363

**FRL Range** of cubic unit coolers for low temperature rooms and tunnels down to -40°C.  
 Nominal capacities between 1.7 and 65 Kw.  
 High cooling efficiency coil built of internally grooved copper tube and corrugated aluminium fins.  
 Available as standard off cycle defrost, electric defrost (heating elements inside the coil), water (water showers to spread water over coil), hot gas defrost (hot gas connection and tube coil to defrost the bottom tray), and electric defrost with high efficiency (E+).  
 E+ consists of a large number of heating elements of low electric power lodged inside copper tubes to greatly improve the standard electric defrost system and reduce the electric energy required, reducing both electric and maintenance costs.





## FR RANGE

## STAINLESS STEEL TUBES

## FRM - Stainless Steel - Fin Spacing 4.2 mm

Model Fan	Standard List Price	E List Price	E+ List Price	W List Price	HG List Price
<b>Ø 300</b>					
FRM-148	£1,051	£1,193	£1,425	£1,210	£1,375
FRM-165	£1,176	£1,317	£1,550	£1,339	£1,500
FRM-235	£1,637	£1,810	£2,117	£1,810	£1,961
FRM-270	£1,709	£1,886	£2,183	£2,021	£2,063
FRM-310	£1,877	£2,054	£2,351	£2,199	£2,231
FRM-445	£2,280	£2,499	£2,894	£2,616	£2,635
FRM-500	£2,530	£2,741	£3,105	£3,005	£2,917
FRM-575	£3,048	£3,311	£3,796	£3,553	£3,435
<b>Ø 400</b>					
FRM-590	£3,274	£3,511	£3,939	£3,610	£3,663
FRM-840	£3,903	£4,185	£4,776	£4,258	£4,080
FRM-960	£4,522	£4,807	£5,338	£5,022	£4,945
FRM-1145	£5,233	£5,591	£6,292	£5,761	£5,655
<b>Ø 500</b>					
FRM-850	£4,229	£4,560	£5,149	£4,436	£4,634
FRM-950	£4,988	£5,397	£6,173	£5,204	£5,392
FRM-1290	£6,207	£6,613	£7,359	£6,687	£6,694
FRM-1780	£7,115	£7,622	£8,610	£7,609	£7,419
FRM-2430	£8,574	£9,086	£10,005	£9,237	£9,167
FRM-2750	£10,130	£10,773	£11,985	£10,821	£10,723

## FRL RANGE

## Stainless Steel - 9 mm Fin Spacing

Model Fan	Standard List Price	E List Price	E+ List Price	W List Price	HG List Price
<b>Ø 300</b>					
FRL-85	£1,042	£1,183	£1,415	£1,200	£1,365
FRL-100	£1,162	£1,303	£1,535	£1,325	£1,485
FRL-135	£1,618	£1,791	£2,098	£1,791	£1,941
FRL-160	£1,685	£1,862	£2,159	£1,997	£2,039
FRL-195	£1,853	£2,030	£2,327	£2,175	£2,207
FRL-275	£2,237	£2,456	£2,851	£2,591	£2,591
FRL-330	£2,487	£2,698	£3,062	£2,962	£2,874
FRL-420	£2,986	£3,248	£3,734	£3,490	£3,373

## Cubic Evaporators - Ceiling Mounted

## FRB - Stainless Steel - Fin Spacing 7 mm

Model Fan	Standard List Price	E List Price	E+ List Price	W List Price	HG List Price
<b>Ø 300</b>					
FRB-94	£1,047	£1,188	£1,420	£1,205	£1,370
FRB-110	£1,167	£1,308	£1,540	£1,330	£1,490
FRB-154	£1,623	£1,795	£2,103	£1,795	£1,946
FRB-175	£1,695	£1,871	£2,169	£2,007	£2,049
FRB-225	£1,863	£2,039	£2,337	£2,184	£2,217
FRB-297	£2,256	£2,475	£2,870	£2,592	£2,611
FRB-350	£2,501	£2,712	£3,076	£2,976	£2,888
FRB-435	£3,010	£3,272	£3,758	£3,514	£3,397
<b>Ø 400</b>					
FRB-445	£3,245	£3,482	£3,911	£3,581	£3,634
FRB-510	£3,860	£4,142	£4,733	£4,215	£4,249
FRB-580	£4,474	£4,759	£5,290	£4,974	£4,897
FRB-820	£5,170	£5,529	£6,229	£5,698	£5,593
<b>Ø 500</b>					
FRB-560	£4,109	£4,440	£5,029	£4,316	£4,514
FRB-650	£4,834	£5,243	£6,019	£5,050	£5,239
FRB-1050	£6,015	£6,421	£7,167	£6,495	£6,502
FRB-1450	£6,884	£7,391	£8,379	£7,379	£7,371
FRB-1730	£8,300	£8,812	£9,731	£8,963	£8,894
FRB-2250	£9,793	£10,437	£11,649	£10,485	£10,387

## Fan Motors and Heaters (where fitted) for the FRM, FRB and FRL Models

Model			Fans			Defrost Heaters (Electric Defrost Option)				
			Number	Part No.	List Price	Coil	Tray	Part No.	Model Number	List Price
<b>Ø 300</b>	<b>Ø 300</b>	<b>Ø 300</b>								
FRM-148	FRB-94	FRL-85	1	020820	£233	2	1	020621	RS 55	£47
FRM-165	FRB-110	FRL-100	1	020820	£233	2	1	020621	RS 55	£47
FRM-235	FRB-154	FRL-135	1	020820	£233	3	1	020621	RS 55	£47
FRM-270	FRB-175	FRL-160	2	020820	£233	2	1	020639	RS 110	£59
FRM-310	FRB-225	FRL-195	2	020820	£233	2	1	020639	RS 110	£59
FRM-445	FRB-297	FRL-275	2	020820	£233	3	1	020639	RS 110	£59
FRM-500	FRB-350	FRL-330	3	020820	£233	2	1	020626	RS 170	£72
FRM-575	FRB-435	FRL-420	3	020820	£233	3	1	020626	RS 170	£72
<b>Ø 400</b>	<b>Ø 400</b>	<b>Ø 400</b>		<b>New Model</b>						
FRM-590	FRB-445	FRL-425	2	M4.40.M4.VR	POR	3	1	020625	RS 140	£64
FRM-840	FRB-510	FRL-500	2	M4.40.M4.VR	POR	4	1	020625	RS 140	£64
FRM-960	FRB-580	FRL-550	3	M4.40.M4.VR	POR	3	1	020628	RS 210	£82
FRM-1145	FRB-820	FRL-710	3	M4.40.M4.VR	POR	4	1	020628	RS 210	£82
<b>Ø 500</b>	<b>Ø 500</b>	<b>Ø 500</b>								
FRM-850	FRB-560	FRL-540	1	020860	£681	4	2	020624	RS 100	£57
FRM-950	FRB-650	FRL-600	1	020860	£681	6	2	020624	RS 100	£57
FRM-1290	FRB-1050	FRL-865	2	020860	£681	4	2	020626	RS 170	£72
FRM-1780	FRB-1450	FRL-1160	2	020860	£681	6	2	020626	RS 170	£72
FRM-2430	FRB-1730	FRL-1590	3	020860	£681	4	2	020629	RS 255	£92
FRM-2750	FRB-2250	FRL-1950	3	020860	£681	6	2	020629	RS 255	£92
<b>Ø 630</b>	<b>Ø 630</b>	<b>Ø 630</b>								
FRM-2590	FRB-2160	FRL-1795	2	020706	£1,087	6	2	020627	RS 200	£82
FRM-3500	FRB-2650	FRL-2340	2	020706	£1,087	8	2	020627	RS 200	£82
FRM-4490	FRB-3450	FRL-2960	3	020706	£1,087	6	2	020630	RS 300	£112
FRM-4800	FRB-3900	FRL-3850	3	020706	£1,087	8	2	020630	RS 300	£112

### Notes

Fan motors and heaters are common to a range of evaporator models as shown. Further details are available in the Frimetal technical catalogue which can be downloaded from our website.

## GRM

Fin Spacing 4.2 mm

Model	Off Cycle Defrost	Normal Electric	Reduced Electric	High Efficiency Electric Defrost	Water	Hot Gas
Designation		E1	E0	E+	W	HG
Fan	List Price	List Price	List Price	List Price	List Price	List Price
<b>Ø 630</b>						
GRM-2450	£8,464	£9,257	£9,084	£10,391	£8,997	£9,083
GRM-2600	£9,769	£10,747	£10,447	£12,284	£10,326	£10,389
GRM-3900	£12,141	£13,220	£12,989	£14,673	£12,981	£12,981
GRM-4600	£13,999	£15,347	£14,924	£17,319	£14,877	£14,839
GRM-4900	£15,703	£17,075	£16,750	£18,803	£16,754	£16,740
GRM-5500	£17,964	£19,623	£19,107	£22,039	£19,064	£19,001
GRM-6300	£19,040	£20,680	£20,295	£22,488	£20,307	£20,259
GRM-7500	£21,891	£23,880	£23,262	£26,429	£23,216	£23,111
<b>Ø 800</b>						
GRM-4750	£14,474	£15,822	£15,399	£17,794	£15,204	£15,484
GRM-6350	£19,496	£21,142	£20,626	£23,567	£20,451	£20,750
GRM-7400	£22,107	£24,042	£23,467	£27,159	£23,101	£23,361
GRM-8500	£27,018	£29,377	£28,658	£32,646	£28,247	£28,496

## GRB

Fin Spacing 6 mm

Model	Off Cycle Defrost	Normal Electric	Reduced Electric	High Efficiency Electric	Water	Hot Gas
Designation		E1	E0	E+	W	HG
Fan	List Price	List Price	List Price	List Price	List Price	List Price
<b>Ø 630</b>						
GRB-1740	£8,065	£8,858	£8,685	£9,992	£8,598	£8,684
GRB-2300	£9,261	£10,238	£9,938	£11,775	£9,817	£9,880
GRB-3300	£11,551	£12,630	£12,398	£14,082	£12,391	£12,391
GRB-3850	£13,245	£14,593	£14,170	£16,565	£14,124	£14,085
GRB-4650	£14,921	£16,293	£15,967	£18,021	£15,971	£15,958
GRB-5200	£16,961	£18,620	£18,103	£21,036	£18,060	£17,998
GRB-5400	£18,075	£19,715	£19,330	£21,524	£19,342	£19,294
GRB-6500	£20,648	£22,636	£22,019	£25,186	£21,973	£21,867
<b>Ø 800</b>						
GRB-4000	£13,596	£14,944	£14,520	£16,916	£14,325	£14,606
GRB-5450	£18,324	£19,971	£19,454	£22,395	£19,280	£19,578
GRB-6450	£20,667	£22,602	£22,000	£25,718	£21,661	£21,921
GRB-8100	£25,228	£27,587	£26,868	£30,855	£26,457	£26,705

**GR Range** of industrial unit coolers, nominal capacities between 31.8 and 155 Kw. Copper tubes.

**GRM** for preservation of fresh goods at 0/ +2°C, **GRB** for preservation of frozen foods down to -20°C.

High cooling efficiency coil, delivered with sealed circuit with pressured air inside with valve for manometer connection.

Finned coil sections separated and independent for each fan.

Casing made of aluminium and galvanised sheet coated in a corrosion resistant white polyester RAL-9002.

External rotor fan motor, protection IP-54 and with thermal protection incorporated. Three phase 400V / 50 Hz two speed of Ø 630 and Ø 800 mm. All evaporators are available in six options as shown below. Off cycle defrost is the standard model. To identify a particular version, simply add the designation to the standard model, eg GRM-2450 E1 or GRM-8500E+.





## GRL

### Fin Spacing 9 mm

Model	Off Cycle Defrost	Normal Electric	Reduced Electric	High Efficiency Electric	Water	Hot Gas
Designation		E1	E0	E+	W	HG
Fan	List Price	List Price	List Price	List Price	List Price	List Price
<b>Ø 630</b>						
GRL-1600	£7,816	£8,609	£8,436	£9,743	£8,435	£8,348
GRL-1830	£8,949	£9,926	£9,626	£11,463	£9,568	£9,505
GRL-2600	£31,320	£12,265	£12,033	£13,718	£12,026	£12,026
GRL-3450	£12,789	£14,137	£13,714	£16,109	£13,629	£13,668
GRL-4100	£14,441	£15,813	£15,487	£17,541	£15,478	£15,492
GRL-5000	£16,366	£18,025	£17,508	£20,440	£17,403	£17,465
GRL-5150	£17,484	£19,124	£18,739	£20,933	£18,704	£18,752
GRL-6000	£19,913	£21,902	£21,284	£24,451	£21,133	£21,238
<b>Ø 800</b>						
GRL-3600	£13,087	£14,435	£14,011	£16,407	£14,097	£13,816
GRL-5350	£17,643	£20,085	£18,773	£21,714	£18,897	£18,598
GRL-6050	£19,851	£21,786	£21,211	£24,902	£21,105	£20,845
GRL-7700	£24,215	£26,574	£25,855	£29,842	£25,692	£25,444

## GRX

### Fin Spacing 12 mm

Model	Off Cycle Defrost	Normal Electric	Reduced Electric	High Efficiency Electric	Water	Hot Gas
Designation		E1	E0	E+	W	HG
Fan	List Price	List Price	List Price	List Price	List Price	List Price
<b>Ø 630</b>						
GRX-1550	£7,643	£8,436	£8,263	£9,570	£8,262	£8,176
GRX-1790	£8,737	£9,715	£9,415	£11,252	£9,357	£9,294
GRX-2350	£10,931	£12,010	£11,779	£13,463	£11,771	£11,771
GRX-2950	£12,472	£13,820	£13,397	£15,792	£13,312	£13,351
GRX-3350	£14,109	£15,481	£15,156	£17,210	£15,146	£15,161
GRX-4550	£15,953	£17,612	£17,095	£20,028	£16,990	£17,052
GRX-4700	£17,076	£18,716	£18,331	£20,525	£18,296	£18,344
GRX-5800	£19,340	£21,388	£20,771	£23,937	£20,619	£20,725
<b>Ø 800</b>						
GRX-3000	£12,731	£14,080	£13,656	£16,052	£13,742	£13,461
GRX-5100	£17,163	£18,809	£18,293	£21,234	£18,417	£18,118
GRX-5850	£19,275	£21,210	£20,634	£24,326	£20,529	£20,269
GRX-7250	£23,500	£25,859	£25,139	£29,127	£24,977	£24,728

**GR Range** of industrial unit coolers, nominal capacities between 31.8 and 155 Kw. Copper tubes.

**GRL** for low temperature rooms at -20 / -30°C, **GRX** for fast freezing tunnels down to -40°C.

High cooling efficiency coil, delivered with sealed circuit with pressured air inside with valve for manometer connection.

Finned coil sections separated and independent for each fan.

Casing made of aluminium and galvanised sheet coated in a corrosion resistant white polyester RAL-9002.

External rotor fan motor, protection IP-54 and with thermal protection incorporated. Three phase 400V / 50 Hz two speed of Ø 630 and Ø 800 mm.



## Fan Motors and Heaters (where fitted) for the GRM and GRB Models

Model	Fans			Air Throw (M)	Weight* (Kg)	Defrost Heaters (If Fitted) **				
	Number	Part No.	List Price			Tray	Coil	Part No.	Model Number	List Price
<b>Ø 630</b>										
<b>GRM-2450</b>	2	020706	£1,087	33	304	4	7	020640	RS 220	£85
<b>GRM-2600</b>	2	020706	£1,087	32	345	4	10	020640	RS 220	£85
<b>GRM-3900</b>	3	020706	£1,087	34	436	4	7	020641	RS 330	£117
<b>GRM-4600</b>	3	020706	£1,087	33	497	4	10	020641	RS 330	£117
<b>GRM-4900</b>	4	020706	£1,087	35	567	4	7	020643	RS 440	£152
<b>GRM-5500</b>	4	020706	£1,087	34	649	4	10	020643	RS 440	£152
<b>GRM-6300</b>	5	020706	£1,087	36	699	4	7	020647	RS 550	£166
<b>GRM-7500</b>	5	020706	£1,087	35	801	4	10	020647	RS 550	£166
<b>Ø 800</b>										
<b>GRM-4750</b>	2	020710	£1,397	28	573	4	10	020641	RS 330	£117
<b>GRM-6350</b>	3	020710	£1,397	29	760	4	10	020643	RS 440	£152
<b>GRM-7400</b>	3	020710	£1,397	29	858	4	13	020643	RS 440	£152
<b>GRM-8500</b>	4	020710	£1,397	30	1070	4	13	020647	RS 550	£166
<b>Ø 630</b>										
<b>GRB-1740</b>	2	020706	£1,087	34	304	4	7	020640	RS 220	£85
<b>GRB-2300</b>	2	020706	£1,087	33	345	4	10	020640	RS 220	£85
<b>GRB-3300</b>	3	020706	£1,087	35	436	4	7	020641	RS 330	£117
<b>GRB-3850</b>	3	020706	£1,087	34	497	4	10	020641	RS 330	£117
<b>GRB-4650</b>	4	020706	£1,087	36	567	4	7	020643	RS 440	£152
<b>GRB-5200</b>	4	020706	£1,087	35	649	4	10	020643	RS 440	£152
<b>GRB-5400</b>	5	020706	£1,087	37	699	4	7	020647	RS 550	£166
<b>GRB-6500</b>	5	020706	£1,087	36	801	4	10	020647	RS 550	£166
<b>Ø 800</b>										
<b>GRB-4000</b>	2	020710	£1,397	29	573	4	10	020641	RS 330	£117
<b>GRB-5450</b>	3	020710	£1,397	30	760	4	10	020643	RS 440	£152
<b>GRB-6450</b>	3	020710	£1,397	30	858	4	13	020643	RS 440	£152
<b>GRB-8100</b>	4	020710	£1,397	31	1070	4	13	020647	RS 550	£166

### Notes

\* Applies to all models except GRB E1 range.  
 \*\* These are the numbers required for the standard electric defrost (E1) version. Different quantities are used in the E0 (Reduced) ranges.  
 Further details are available in the Frimetal technical catalogue which can be downloaded from our website.

## Fan Motors and Heaters (where fitted) for the GRL and GRX Models

Model	Fans			Air Throw (M)	Weight (Kg)	Defrost Heaters (If Fitted) *				
	Number	Part No.	List Price			Tray	Coil	Part No.	Model Number	List Price
<b>Ø 630</b>										
<b>GRL-1600</b>	2	020706	£1,087	35	284	4	7	020640	RS 220	£85
<b>GRL-1830</b>	2	020706	£1,087	34	318	4	10	020640	RS 220	£85
<b>GRL-2600</b>	3	020706	£1,087	36	406	4	7	020641	RS 330	£117
<b>GRL-3450</b>	3	020706	£1,087	35	456	4	10	020641	RS 330	£117
<b>GRL-4100</b>	4	020706	£1,087	37	527	4	7	020643	RS 440	£152
<b>GRL-5000</b>	4	020706	£1,087	36	594	4	10	020643	RS 440	£152
<b>GRL-5150</b>	5	020706	£1,087	38	649	4	7	020647	RS 550	£166
<b>GRL-6000</b>	5	020706	£1,087	37	732	4	10	020647	RS 550	£166
<b>Ø 800</b>										
<b>GRL-3600</b>	2	020706	£1,087	29	519	4	10	020641	RS 330	£117
<b>GRL-5350</b>	3	020706	£1,087	30	689	4	10	020643	RS 440	£152
<b>GRL-6050</b>	3	020706	£1,087	30	767	4	13	020643	RS 440	£152
<b>GRL-7700</b>	4	020706	£1,087	31	956	4	13	020647	RS 550	£166
<b>Ø 630</b>										
<b>GRX-1550</b>	2	020706	£1,087	36	277	4	7	020640	RS 220	£85
<b>GRX-1790</b>	2	020706	£1,087	35	308	4	10	020640	RS 220	£85
<b>GRX-2350</b>	3	020706	£1,087	37	395	4	7	020641	RS 330	£117
<b>GRX-2950</b>	3	020706	£1,087	36	441	4	10	020641	RS 330	£117
<b>GRX-3350</b>	4	020706	£1,087	38	512	4	7	020643	RS 440	£152
<b>GRX-4550</b>	4	020706	£1,087	37	574	4	10	020643	RS 440	£152
<b>GRX-4700</b>	5	020706	£1,087	39	630	4	7	020647	RS 550	£166
<b>GRX-5800</b>	5	020706	£1,087	38	707	4	10	020647	RS 550	£166
<b>Ø 800</b>										
<b>GRX-3000</b>	2	020706	£1,087	30	502	4	10	020641	RS 330	£117
<b>GRX-5100</b>	3	020706	£1,087	31	665	4	10	020643	RS 440	£152
<b>GRX-5850</b>	3	020706	£1,087	31	738	4	13	020643	RS 440	£152
<b>GRX-7250</b>	4	020706	£1,087	32	919	4	13	020647	RS 550	£166

### Notes

\* These are the numbers required for the standard electric defrost (E1) version. Different quantities are used in the E0 (Reduced) ranges. Further details are available in the Frimetal technical catalogue which can be downloaded from our website.

## EC Range

## Celing Mounted, Commercial Cubic Unit Coolers

### ECM

4.2 mm Fin Spacing

Model	Off Cycle Defrost	Electric Defrost
Designation		E
Fan	List Price	List Price
Ø 300		
ECM 130	£658	£753
ECM 150	£759	£884
ECM 200	£898	£1,007
ECM 250	£999	£1,108
ECM 290	£1,099	£1,245
ECM 390	£1,354	£1,485
ECM 470	£1,507	£1,686
ECM 530	£1,791	£1,989
Ø 400		
ECM 330	£1,306	£1,454
ECM 460	£1,450	£1,634
ECM 585	£2,021	£2,200
ECM 830	£2,242	£2,465



**EC range** of ceiling mounted, cubic unit coolers with nominal capacities between 1.7 and 14 kW.  
**ECM models** for delicate fresh goods at 0/+2°C or frozen products down to -20°C  
**ECB models** for low temperature rooms down to -30°C.  
Internally grooved copper tube and corrugated aluminium fins for high efficiency. Casing made of painted aluminium and galvanised steel with high corrosion resistance and rigidity.  
**Large hinged side covers** for easy access when installing and maintaining the evaporators.

### ECB

7 mm Fin Spacing

Model	Off Cycle Defrost	Electric Defrost
Designation		E
Fan	List Price	List Price
Ø 300		
ECB 95	£749	£875
ECB 120	£893	£1,002
ECB 155	£989	£1,098
ECB 195	£1,085	£1,231
ECB 275	£1,335	£1,466
ECB 320	£1,483	£1,662
ECB 380	£1,757	£1,956
Ø 400		
ECB 240	£1,291	£1,439
ECB 310	£1,431	£1,615
ECB 420	£1,992	£2,171
ECB 470	£2,204	£2,426

Model	Model	Fans			Air Throw (M)	Defrost Heaters (Electric Defrost Option)					Weights	
		Number	Part No.	List Price		Tray	Coil	Part No.	Model Number	List Price	ECM Range	ECB Range
Ø 300	Ø 300										Kg	Kg
ECM 130		1	020820	£233	12	1	1	020661	RS-38	£44	15	
ECM 150	ECB 95	1	020820	£233	12	1	2	020661	RS-38	£44	17	16
ECM 200	ECB 120	2	020820	£233	13	1	1	020623	RS-85	£53	23	22
ECM 250	ECB 155	2	020820	£233	13	1	1	020623	RS-85	£53	26	25
ECM 290	ECB 195	2	020820	£233	13	1	2	020623	RS-85	£53	29	28
ECM 390	ECB 275	3	020820	£233	14	1	1	020625	RS-140	£64	39	38
ECM 470	ECB 320	3	020820	£233	14	1	2	020625	RS-140	£64	44	42
ECM 530	ECB 380	4	020820	£233	14	1	2	020626	RS-170	£72	54	52
Ø 400	Ø 400											
ECM 330	ECB 240	1	020665	£356	15	1	2	020623	RS-85	£53	35	34
ECM 460	ECB 310	1	020665	£356	15	1	3	020623	RS-85	£53	39	38
ECM 585	ECB 420	2	020665	£356	16	1	2	020626	RS-140	£72	57	55
ECM 830	ECB 470	2	020665	£356	16	1	3	020626	RS-140	£72	65	62

## PIA Fin Spacing 2.8 mm

Model	Off Cycle Defrost	Normal Electric	High Efficiency Electric	Hot Gas
Designation		E	E+	HG
Fan	List Price	List Price	List Price	List Price
<b>Ø 300</b>				
PIA-N 26	£1,167	£1,337	£1,540	£1,327
PIA-N 29	£1,287	£1,457	£1,767	£1,447
PIA-N 57	£1,795	£2,011	£2,270	£2,016
PIA-N 67	£1,997	£2,212	£2,611	£2,218
PIA-N 89	£2,429	£2,691	£3,004	£2,721
PIA-N 96	£2,736	£2,999	£3,484	£3,028
<b>Ø 400</b>				
PIA-N 112	£2,492	£2,730	£3,168	£2,760
PIA-N 114	£2,856	£3,203	£3,686	£3,125
PIA-N 150	£3,428	£3,718	£4,268	£3,771
PIA-N 160	£3,989	£4,407	£5,113	£4,333
PIA-N 205	£4,181	£4,506	£5,125	£4,577
PIA-N 220	£4,796	£5,263	£5,988	£5,191

## PIB Fin Spacing 7 mm

Model	Off Cycle Defrost	Normal Electric	High Efficiency Electric	Hot Gas
Designation		E	E+	HG
Fan	List Price	List Price	List Price	List Price
<b>Ø 300</b>				
PIB-N 15	£1,138	£1,308	£1,511	£1,298
PIB-N 17	£1,248	£1,418	£1,728	£1,409
PIB-N 35	£1,743	£1,958	£2,217	£1,963
PIB-N 41	£1,920	£2,135	£2,534	£2,141
PIB-N 45	£2,348	£2,610	£2,923	£2,639
PIB-N 53	£2,616	£2,879	£3,364	£2,908
<b>Ø 400</b>				
PIB-N 58	£2,391	£2,629	£3,068	£2,660
PIB-N 75	£2,708	£3,054	£3,537	£2,976
PIB-N 82	£3,279	£3,569	£4,119	£3,623
PIB-N 92	£3,769	£4,186	£4,892	£4,112
PIB-N 119	£4,532	£4,999	£5,724	£4,927

## PIM Fin Spacing 4.2 mm

Model	Off Cycle Defrost	Normal Electric	High Efficiency Electric	Hot Gas
Designation		E	E+	HG
Fan	List Price	List Price	List Price	List Price
<b>Ø 300</b>				
PIM-N 18	£1,147	£1,317	£1,521	£1,308
PIM-N 20	£1,258	£1,428	£1,738	£1,418
PIM-N 40	£1,757	£1,972	£2,231	£1,978
PIM-N 44	£1,944	£2,159	£2,558	£2,165
PIM-N 55	£2,372	£2,634	£2,947	£2,663
PIM-N 60	£2,650	£2,912	£3,398	£2,942
<b>Ø 400</b>				
PIM-N 72	£2,420	£2,658	£3,096	£2,688
PIM-N 80	£2,751	£3,097	£3,580	£3,020
PIM-N 90	£3,322	£3,612	£4,162	£3,666
PIM-N 115	£3,831	£4,249	£4,954	£4,175
PIM-N 118	£4,052	£4,376	£4,996	£4,447
PIM-N 125	£4,609	£5,075	£5,801	£5,004

**PI Commercial, dual discharge** evaporators with nominal capacities between 1.6 and 25.7 kW.

**PIA** models for delicate, fresh products at more than +5°C.

**PIM** models for preserving fresh goods at 0 / +2°C.

**PIB** models for frozen produce down to -20°C.

Available with three defrost options, off cycle, electric and hot gas, and two fan options.

**N models** have normal fan motors, 4 pole, 1,300 rpm and all data and prices shown here refer to the N version.

**S models** are low noise, 6 pole, 900 rpm. Please contact us for further information and prices on S models.

Internally grooved copper tube coil and corrugated aluminium fins for high efficiency. Finned coil sections separated and independent for each fan. Casing made of aluminium and galvanised sheet coated in a corrosion resistant white polyester RAL-9002.





## PIA Fin Spacing 2.8 mm

Model	Off Cycle Defrost	Normal Electric	High Efficiency Electric	Hot Gas
Designation		E	E+	HG
Fan	List Price	List Price	List Price	List Price
<b>Ø 300</b>				
PIA-N 26	£1,723	£1,893	£2,097	£1,903
PIA-N 29	£1,973	£2,143	£2,453	£2,153
PIA-N 57	£2,376	£2,591	£2,851	£2,598
PIA-N 67	£2,861	£3,076	£3,475	£3,083
PIA-N 89	£3,207	£3,469	£3,782	£3,481
PIA-N 96	£3,831	£4,093	£4,579	£4,106
<b>Ø 400</b>				
PIA-N 112	£3,372	£3,608	£4,047	£3,630
PIA-N 114	£4,162	£4,509	£4,992	£4,422
PIA-N 150	£4,556	£4,846	£5,396	£4,870
PIA-N 160	£6,059	£6,476	£7,182	£6,372
PIA-N 205	£6,049	£6,373	£6,993	£6,399
PIA-N 220	£9,637	£7,404	£8,130	£7,287

## PIM Fin Spacing 4.2 mm

Model	Off Cycle Defrost	Normal Electric	High Efficiency Electric	Hot Gas
Designation		E	E+	HG
Fan	List Price	List Price	List Price	List Price
<b>Ø 300</b>				
PIM-N 18	£1,699	£1,869	£2,073	£1,879
PIM-N 20	£1,939	£2,109	£2,420	£2,119
PIM-N 40	£2,328	£2,543	£2,803	£2,550
PIM-N 44	£2,794	£3,009	£3,408	£3,016
PIM-N 55	£3,140	£3,402	£3,715	£3,414
PIM-N 60	£3,735	£3,997	£4,483	£4,010
<b>Ø 400</b>				
PIM-N 72	£3,293	£3,531	£3,970	£3,553
PIM-N 80	£4,047	£4,394	£4,877	£4,307
PIM-N 90	£4,441	£4,731	£5,281	£4,755
PIM-N 115	£5,881	£6,299	£7,004	£6,195
PIM-N 118	£5,900	£6,225	£6,844	£6,251
PIM-N 125	£6,726	£7,192	£7,918	£7,076

## PIB Fin Spacing 7 mm

Model	Off Cycle Defrost	Normal Electric	High Efficiency Electric	Hot Gas
Designation		E	E+	HG
Fan	List Price	List Price	List Price	List Price
<b>Ø 300</b>				
PIB-N 15	£1,685	£1,855	£2,059	£1,865
PIB-N 17	£1,920	£2,090	£2,400	£2,100
PIB-N 35	£2,309	£2,524	£2,783	£2,531
PIB-N 41	£2,765	£2,980	£3,379	£2,987
PIB-N 45	£3,106	£3,368	£3,681	£3,381
PIB-N 53	£3,692	£3,954	£2,519	£3,966
<b>Ø 400</b>				
PIB-N 58	£3,255	£3,493	£3,932	£3,515
PIB-N 75	£3,994	£4,341	£4,824	£4,254
PIB-N 82	£4,383	£4,673	£5,223	£4,697
PIB-N 92	£5,766	£6,222	£6,927	£6,118
PIB-N 119	£6,649	£7,115	£7,841	£6,999

**PI Commercial, Stainless Steel, Dual Discharge** evaporators with nominal capacities between 1.7 and 21.6 kW.

**PIA** models for delicate, fresh products at more than +5°C.

**PIM** models for preserving fresh goods at 0 / +2°C.

**PIB** models for frozen produce down to -20°C.

Available with three defrost options, off cycle, electric and hot gas, and two fan options.

**N models** have normal fan motors, 4 pole, 1,300 rpm and all data and prices shown here refer to the N version.

**S models** are low noise, 6 pole, 900 rpm. Please contact us for further information and prices on S models.

Stainless steel tubes. Finned coil sections separated and independent for each fan. Casing made of aluminium and galvanised sheet coated in a corrosion resistant white polyester RAL-9002.



## Fan Motors and Heaters (where fitted) for the PIA, PIM and PIB Models

Model	Fans			Air Flow (m³/hr)	Weight (Kg)	Defrost Heaters (Electric Defrost Option)				
	Number	Part No.	List Price			Coil	Tray	Part No.	Model	List Price
<b>Ø 300</b>										
PIA-N 26	1	020802	£233	1260	39	2	2	020621	RS 55	£47
PIA-N 29	1	020802	£233	1100	42	2	2	020621	RS 55	£47
PIA-N 57	2	020802	£233	2520	59	2	2	020639	RS 110	£59
PIA-N 67	2	020802	£233	2200	66	2	2	020639	RS 110	£59
PIA-N 89	3	020802	£233	3880	82	2	2	020626	RS 170	£72
PIA-N 96	3	020802	£233	3390	92	2	2	020626	RS 170	£72
<b>Ø 400</b>										
PIA-N 112	2	020722	£330	5450	88	2	2	020625	RS 140	£64
PIA-N 114	2	020722	£330	4800	102	4	2	020625	RS 140	£65
PIA-N 150	3	020722	£330	8175	123	2	2	020628	RS 210	£82
PIA-N 160	3	020722	£330	7200	142	4	2	020628	RS 210	£82
PIA-N 205	4	020722	£330	10300	149	2	2	020629	RS 255	£92
PIA-N 220	4	020722	£330	8970	173	4	2	020629	RS 255	£92
<b>Ø 300</b>										
PIM-N 18	1	020802	£233	1340	39	2	2	020621	RS 55	£47
PIM-N 20	1	020802	£233	1210	42	2	2	020621	RS 55	£47
PIM-N 40	2	020802	£233	2680	59	2	2	020639	RS 110	£59
PIM-N 44	2	020802	£233	2420	66	2	2	020639	RS 110	£59
PIM-N 55	3	020802	£233	4130	82	2	2	020626	RS 170	£72
PIM-N 60	3	020802	£233	3730	92	2	2	020626	RS 170	£72
<b>Ø 400</b>										
PIM-N 72	2	020722	£330	5800	88	2	2	020625	RS 140	£64
PIM-N 80	2	020722	£330	5250	102	4	2	020625	RS 140	£64
PIM-N 90	3	020722	£330	8700	123	2	2	020628	RS 210	£82
PIM-N 115	3	020722	£330	7875	142	4	2	020628	RS 210	£82
PIM-N 118	4	020722	£330	11100	149	2	2	020629	RS 255	£92
PIM-N 125	4	020722	£330	9850	173	4	2	020629	RS 255	£92
<b>Ø 300</b>										
PIB-N 15	1	020802	£233	1420	39	2	2	020621	RS 55	£47
PIB-N 17	1	020802	£233	1310	42	2	2	020621	RS 55	£47
PIB-N 35	2	020802	£233	2840	59	2	2	020639	RS 110	£59
PIB-N 41	2	020802	£233	2620	66	2	2	020639	RS 110	£59
PIB-N 45	3	020802	£233	4370	82	2	2	020626	RS 170	£72
PIB-N 53	3	020802	£233	4030	92	2	2	020626	RS 170	£72
<b>Ø 400</b>										
PIB-N 58	2	020722	£330	6000	88	2	2	020625	RS 140	£64
PIB-N 75	2	020722	£330	5700	102	4	2	020625	RS 140	£64
PIB-N 82	3	020722	£330	9000	123	2	2	020628	RS 210	£82
PIB-N 92	3	020722	£330	8550	142	4	2	020628	RS 210	£82
PIB-N 119	4	020722	£330	10900	173	4	2	020629	RS 255	£82

Details of Normal Fan Motors and Defrost Heaters (if fitted) for the PI Commercial Range of Evaporators.

## PIM Fin Spacing 4.2 mm

Model	Off Cycle Defrost	Normal Electric	High Efficiency	Hot Gas
Designation		E	E+	HG
Fan	List Price	List Price	List Price	List Price
Ø 500				
PIM 900	£2,621	£2,951	£3,485	£2,859
PIM 1300	£3,024	£3,428	£4,101	£3,263
PIM 1700	£4,311	£4,717	£5,462	£4,647
PIM 1900	£5,036	£5,543	£6,531	£5,372
PIM 2400	£6,270	£6,781	£7,700	£6,705
PIM 2850	£7,206	£7,849	£9,062	£7,641
PIM 3100	£8,536	£9,280	£10,674	£9,025

## PIB Fin Spacing 7 mm

Model	Off Cycle Defrost	Normal Electric	High Efficiency	Hot Gas
Designation		E	E+	HG
Fan	List Price	List Price	List Price	List Price
Ø 500				
PIB 550	£2,592	£2,923	£3,457	£2,831
PIB 750	£2,981	£3,385	£4,058	£3,219
PIB 1000	£4,253	£4,660	£5,405	£4,589
PIB 1350	£4,950	£5,456	£6,444	£5,286
PIB 1550	£6,179	£6,690	£7,609	£6,613
PIB 2150	£7,071	£7,715	£8,927	£7,506
PIB 2600	£8,382	£9,126	£10,520	£8,871

## PIL Fin Spacing 9 mm

Model	Off Cycle Defrost	Normal Electric	High Efficiency	Hot Gas
Designation		E	E+	HG
Fan	List Price	List Price	List Price	List Price
Ø 500				
PIL 400	£2,573	£2,903	£3,437	£2,811
PIL 650	£2,957	£3,361	£4,034	£3,195
PIL 850	£4,220	£4,626	£5,371	£4,556
PIL 1150	£4,902	£5,408	£6,396	£5,238
PIL 1500	£6,131	£6,642	£7,561	£6,565
PIL 1950	£6,999	£7,643	£8,855	£7,434
PIL 2450	£8,296	£9,040	£10,434	£8,785

**PI industrial, dual discharge** evaporators with nominal capacities between 8.4 and 60 PI kW.

**PIM** models for preserving fresh goods at 0 / +2°C and frozen products at -18°C.

**PIB** models for frozen products at low temperatures down to -30°C.

**PIL** models for low temperature rooms and tunnels down to -40°C.

Available with three defrost options, off cycle, electric and hot gas, and two fan options.

Internally grooved copper tube coil and corrugated aluminium fins for high efficiency. Finned coil sections separated and independent for each fan. Casing made of aluminium and galvanised sheet coated in a corrosion resistant white polyester RAL-9002.

Standard fan connection (all data shown here relates to the standard fan option) is high speed, 1300 rpm. A lower speed, 900 rpm option is available on request.

**Y models** are low noise, 6 pole, 900 rpm. Please contact us for further information and prices on Y models.



**PIM Fin Spacing 4.2 mm**

Model	Off Cycle Defrost	Normal Electric	High Efficiency	Hot Gas
Designation		E	E+	HG
Fan	List Price	List Price	List Price	List Price
Ø 500				
PIM 900	£3,572	£3,902	£4,436	£3,854
PIM 1300	£4,325	£4,729	£5,402	£4,608
PIM 1700	£5,578	£5,985	£6,730	£5,931
PIM 1900	£7,023	£7,530	£8,518	£7,376
PIM 2400	£8,814	£9,326	£10,245	£9,236
PIM 2850	£10,120	£10,763	£11,976	£10,541
PIM 3100	£11,551	£12,295	£13,689	£12,013

**PIB Fin Spacing 7 mm**

Model	Off Cycle Defrost	Normal Electric	High Efficiency	Hot Gas
Designation		E	E+	HG
Fan	List Price	List Price	List Price	List Price
Ø 500				
PIB 550	£3,543	£3,873	£4,407	£3,825
PIB 750	£4,282	£4,686	£5,359	£4,565
PIB 1000	£5,521	£5,927	£6,672	£5,873
PIB 1350	£6,932	£7,439	£8,427	£7,285
PIB 1550	£8,718	£9,230	£10,149	£9,140
PIB 2150	£9,985	£10,629	£11,841	£10,407
PIB 2600	£11,392	£12,136	£13,530	£11,855

**PIL Fin Spacing 9 mm**

Model	Off Cycle Defrost	Normal Electric	High Efficiency	Hot Gas
Designation		E	E+	HG
Fan	List Price	List Price	List Price	List Price
Ø 500				
PIL 400	£3,524	£3,854	£4,388	£3,806
PIL 650	£4,253	£4,657	£5,330	£4,536
PIL 850	£5,482	£5,889	£6,634	£5,835
PIL 1150	£6,879	£7,386	£8,374	£7,232
PIL 1500	£8,665	£9,177	£10,096	£9,087
PIL 1950	£9,904	£10,547	£11,760	£10,325
PIL 2450	£11,301	£12,045	£13,439	£11,764

**PI industrial, dual discharge** evaporators with nominal capacities between 8.4 and 60 kW.

**PIM** models for preserving fresh goods at 0 / +2°C and frozen products at -18°C.

**PIB** models for frozen products at low temperatures down to -30°C.

**PIL** models for low temperature rooms and tunnels down to -40°C.

Available with three defrost options, off cycle, electric and hot gas, and two fan options.

Stainless steel tubes. Finned coil sections separated and independent for each fan. Casing made of aluminium and galvanised sheet coated in a corrosion resistant white polyester RAL-9002.

Standard fan connection (all data shown here relates to the standard fan option) is high speed, 1300 rpm. A lower speed, 900 rpm option is available on request.

**Y models** are low noise, 6 pole, 900 rpm. Please contact us for further information and prices on Y models.



## Details of Normal Fan Motors and Defrost Heaters (if fitted) for the PI Industrial Range of Evaporators.

Model	Fans			Air Flow (m³/hr)	Weight (Kg)	Defrost Heaters (Electric Defrost Option)			
	Number	Part No.	List Price			Number	Part No.	Model Number	List Price
PIM 900	1	020859	£613	7000	83	6	020623	RS 85	£53
PIM 1300	1	020859	£613	6700	94	8	020623	RS 85	£53
PIM 1700	2	020859	£613	14000	141	6	020626	RS 170	£72
PIM 1900	2	020859	£613	13400	163	8	020626	RS 170	£72
PIM 2400	3	020859	£613	21000	199	6	020629	RS 255	£92
PIM 2850	3	020859	£613	20100	231	8	020629	RS 255	£92
PIM 3100	4	020859	£613	25400	277	8	020630	RS 300	£112
					<b>PIB E</b>				
PIB 550	1	020859	£613	7350	85	6	020623	RS 85	£53
PIB 750	1	020859	£613	7100	96	8	020623	RS 85	£53
PIB 1000	2	020859	£613	14700	144	6	020626	RS 170	£72
PIB 1350	2	020859	£613	14200	165	8	020626	RS 170	£72
PIB 1550	3	020859	£613	22050	203	6	020629	RS 255	£92
PIB 2150	3	020859	£613	21300	234	8	020629	RS 255	£92
PIB 2600	4	020859	£613	27200	280	8	020630	RS 300	£112
					<b>PIL E</b>				
PIL 400	1	020859	£613	7450	84	6	020623	RS 85	£53
PIL 650	1	020859	£613	7250	94	8	020623	RS 85	£53
PIL 850	2	020859	£613	14900	141	6	020626	RS 170	£72
PIL 1150	2	020859	£613	14500	162	8	020626	RS 170	£72
PIL 1500	3	020859	£613	22350	199	6	020629	RS 255	£92
PIL 1950	3	020859	£613	21750	229	8	020629	RS 255	£92
PIL 2450	4	020859	£613	28000	274	8	020630	RS 300	£112



## TT Industrial Range

## Dual Discharge, Ceiling Mounted Evaporators

### TTM Fin Spacing 4.2 mm

Model	Off Cycle Defrost	Normal Electric	Hot Gas
Designation		E	HG
Fan	List Price	List Price	List Price
Ø 630			
TTM 2440	£8,771	£9,493	£9,359
TTM 3000	£10,389	£11,344	£10,976
TTM 3700	£12,415	£13,385	£13,165
TTM 4700	£13,778	£14,733	£14,366
TTM 6000	£18,680	£20,205	£19,589
Ø 710			
TTM 2550	£12,275	£12,997	£12,863
TTM 3850	£13,778	£14,733	£14,366
TTM 4400	£17,503	£18,474	£18,253
TTM 5200	£19,457	£20,776	£20,207
TTM 7600	£25,468	£26,993	£26,377

### TTB Fin Spacing 7 mm

Model	Off Cycle Defrost	Normal Electric	Hot Gas
Designation		E	HG
Fan	List Price	List Price	List Price
Ø 630			
TTB 1650	£8,612	£9,335	£9,200
TTB 2350	£10,158	£11,114	£10,746
TTB 2800	£12,179	£13,150	£12,929
TTB 3800	£13,730	£15,048	£14,480
TTB 5250	£18,233	£19,759	£19,142
Ø 710			
TTB 2100	£12,103	£12,825	£12,690
TTB 3100	£13,538	£14,493	£14,126
TTB 3350	£17,249	£18,220	£17,999
TTB 4800	£19,102	£20,420	£19,852
TTB 6100	£24,993	£26,518	£25,902



**TT industrial dual discharge unit coolers** with nominal capacities between 29.8 and 150 kW, designed for use in fast cooling tunnels for fruit and vegetables or for freezing tunnels where high air pressure is required, together with perfect air distribution through the product located on the pallets.

**TTM / TTB** - Medium temperatures

**TTL** - Low temperatures

**TTX** - Ultra low temperatures

Standard options, off cycle, electric or hot gas defrost.

High cooling efficiency copper coil, delivered with sealed circuit with pressured air inside with valve for manometer connection. Finned coil sections separated and independent for each fan. Casing made of aluminium and galvanised sheet coated in a corrosion resistant white polyester RAL-9002.

**Special custom-made evaporators adapted to the dimensions of the tunnel can also be manufactured on request.**

### TTL Fin Spacing 9 mm

Model	Off Cycle Defrost	Normal Electric	Hot Gas
Designation		E	HG
Fan	List Price	List Price	List Price
Ø 630			
TTL 1500	£8,526	£9,248	£9,114
TTL 2150	£10,029	£10,984	£10,616
TTL 2500	£12,045	£13,016	£12,795
TTL 3600	£13,538	£14,856	£14,288
TTL 5050	£17,979	£19,504	£18,888
Ø 710			
TTL 1700	£12,007	£12,729	£12,594
TTL 2650	£13,404	£14,359	£13,991
TTL 2850	£17,105	£18,076	£17,855
TTL 4200	£18,900	£20,219	£19,650
TTL 5800	£24,728	£26,254	£25,638

### TTX Fin Spacing 12 mm

Model	Off Cycle Defrost	Normal Electric	Hot Gas
Designation		E	HG
Fan	List Price	List Price	List Price
Ø 630			
TTX 1250	£8,608	£9,330	£9,195
TTX 1750	£10,091	£11,046	£10,679
TTX 2000	£12,232	£13,203	£12,982
TTX 2900	£14,205	£15,524	£14,955
TTX 4000	£18,204	£19,730	£19,114
Ø 710			
TTX 1600	£11,997	£12,719	£12,585
TTX 2200	£13,480	£14,436	£14,068
TTX 2450	£17,297	£18,268	£18,047
TTX 3400	£19,275	£20,593	£20,025
TTX 5300	£24,916	£26,441	£25,825

## Details of Fan Motors and Defrost Heaters (if fitted) for the TT range of Industrial, Dual Discharge Evaporators

Model	Fans				Air Flow (m³/hr)	Defrost Heaters (Electric Defrost Option)					Evaporator Weight (Kg)
	Size	Number	Part No.	List Price		Coil	Tray	Part No.	Model Number	List Price	
TTM 2440	Ø 630	2	020705	£1,155	32500	6	2	020627	RS 200	£82	312
TTM 3000		2	020705	£1,155	31400	10	2	020627	RS 200	£82	354
TTM 3700		3	020705	£1,155	48750	6	2	020630	RS 300	£112	438
TTM 4700		3	020705	£1,155	47100	10	2	020630	RS 300	£112	500
TTM 6000		4	020705	£1,155	62800	10	2	020642	RS 400	£132	650
TTM 2550	Ø 710	2	020712	£2,662	46600	6	2	020627	RS 200	£82	405
TTM 3850		2	020712	£2,662	45000	10	2	020627	RS 200	£82	445
TTM 4400		3	020712	£2,662	69900	6	2	020630	RS 300	£112	576
TTM 5200		3	020712	£2,662	67500	10	2	020630	RS 300	£112	640
TTM 7600		4	020712	£2,662	90000	10	2	020642	RS 400	£132	830
TTB 1650	Ø 630	2	020705	£1,155	33800	6	2	020627	RS 200	£82	303
TTB 2350		2	020705	£1,155	32800	10	2	020627	RS 200	£82	340
TTB 2800		3	020705	£1,155	50700	6	2	020630	RS 300	£112	425
TTB 3800		3	020705	£1,155	49200	10	2	020630	RS 300	£112	480
TTB 5250		4	020705	£1,155	65600	10	2	020642	RS 400	£132	622
TTB 2100	Ø 710	2	020712	£2,662	48800	6	2	020627	RS 200	£82	395
TTB 3100		2	020712	£2,662	47400	10	2	020627	RS 200	£82	433
TTB 3350		3	020712	£2,662	73200	6	2	020630	RS 300	£112	563
TTB 4800		3	020712	£2,662	71100	10	2	020630	RS 300	£112	620
TTB 6100		4	020712	£2,662	94800	10	2	020642	RS 400	£132	805
TTL 1500	Ø 630	2	020705	£1,155	26000	6	2	020627	RS 200	£82	300
TTL 2150		2	020705	£1,155	25600	10	2	020627	RS 200	£82	333
TTL 2500		3	020705	£1,155	39000	6	2	020630	RS 300	£112	417
TTL 3600		3	020705	£1,155	38400	10	2	020630	RS 300	£112	470
TTL 5050		4	020705	£1,155	51200	10	2	020642	RS 400	£132	605
TTL 1700	Ø 710	2	020712	£2,662	37400	6	2	020627	RS 200	£82	390
TTL 2650		2	020712	£2,662	36000	10	2	020627	RS 200	£82	425
TTL 2850		3	020712	£2,662	56100	6	2	020630	RS 300	£112	555
TTL 4200		3	020712	£2,662	54000	10	2	020630	RS 300	£112	610
TTL 5800		4	020712	£2,662	72000	10	2	020642	RS 400	£132	790
TTX 1250	Ø 630	2	020705	£1,155	26000	6	2	020627	RS 200	£82	305
TTX 1750		2	020705	£1,155	25500	10	2	020627	RS 200	£82	345
TTX 2000		3	020705	£1,155	39000	6	2	020630	RS 300	£112	428
TTX 2900		3	020705	£1,155	38250	10	2	020630	RS 300	£112	485
TTX 4000		4	020705	£1,155	51000	10	2	020642	RS 400	£132	627
TTX 1600	Ø 710	2	020712	£2,662	37400	6	2	020627	RS 200	£82	397
TTX 2200		2	020712	£2,662	36000	10	2	020627	RS 200	£82	435
TTX 2450		3	020712	£2,662	56100	6	2	020630	RS 300	£112	565
TTX 3400		3	020712	£2,662	54000	10	2	020630	RS 300	£112	625
TTX 5300		4	020712	£2,662	72000	10	2	020642	RS 400	£132	810

## MR Range

## Floor Standing Unit Evaporators

### MRB Fin Spacing 7 mm

Model	Off Cycle Defrost	Normal Electric	Hot Gas
Designation		E	HG
Fan	List Price	List Price	List Price
Ø 500			
MRB 650	£5,358	£5,744	£5,759
MRB 1050	£7,316	£7,702	£7,844
MRB 1450	£7,988	£8,476	£8,516
MRB 2150	£10,463	£11,246	£11,335
Ø 630			
MRB 2950	£12,376	£13,038	£13,191
MRB 3750	£15,194	£15,897	£16,299
MRB 4100	£16,663	£17,514	£17,768
Ø 710			
MRB 5300	£24,426	£25,277	£25,758
MRB 6400	£26,457	£27,507	£27,788

### MRL Fin Spacing 9 mm

Model	Off Cycle Defrost	Normal Electric	Hot Gas
Designation		E	HG
Fan	List Price	List Price	List Price
Ø 500			
MRL 600	£5,324	£5,710	£5,725
MRL 865	£7,273	£7,659	£7,801
MRL 1160	£7,936	£8,423	£8,464
MRL 1800	£10,562	£11,165	£11,254
Ø 630			
MRL 2550	£12,275	£12,937	£13,091
MRL 3300	£15,084	£15,787	£16,189
MRL 4000	£16,510	£17,360	£17,615
Ø 710			
MRL 5100	£24,268	£25,118	£25,599
MRL 5900	£26,246	£27,296	£27,577

### MRX Fin Spacing 12 mm

Model	Off Cycle Defrost	Normal Electric	Hot Gas
Designation		E	HG
Fan	List Price	List Price	List Price
Ø 500			
MRX 520	£5,166	£5,552	£5,567
MRX 710	£7,057	£7,443	£7,585
MRX 960	£7,657	£8,145	£8,185
MRX 1300	£10,139	£10,742	£10,831
Ø 630			
MRX 1720	£11,959	£12,620	£12,774
MRX 2300	£14,705	£15,407	£15,810
MRX 2850	£16,030	£16,880	£17,135
Ø 710			
MRX 3450	£23,716	£24,566	£25,047
MRX 4850	£25,549	£26,600	£26,881

**MR Range** of floor standing, unit evaporators with nominal capacities between 10.5 and 128.5 kW. Specifically designed for freezing tunnels requiring a good air distribution and an efficient use of the available space.

**MRB** - Medium temperatures

**MRL** - Low temperatures

**MRX** - Ultra low temperatures

Standard options, off cycle, electric or hot gas defrost.

High cooling efficiency coil, delivered with sealed circuit with pressured air inside with valve for manometer connection. Finned coil sections separated and independent for each fan. Casing made of aluminium and galvanised sheet coated in a corrosion resistant white polyester RAL- 9002.

**Special custom-made evaporators adapted to the dimensions of the tunnel can also be manufactured on request.**



## Details of Fan Motors and Defrost Heaters (if fitted) for the MR range of Floor Standing Evaporators

Model	Fans				Air Flow (m³/hr)	Defrost Heaters (Electric Defrost Option)					Weight (Kg)
	Size	Number	Part No.	List Price		Coil	Tray	Part No.	Model Number	List Price	
MRB 650	Ø 500	1	020860	£681	6850	2	6	020624	RS 100	£57	167
MRB 1050		2	020860	£681	13400	2	4	020626	RS 170	£72	245
MRB 1450		2	020860	£681	13000	2	6	020626	RS 170	£72	262
MRB 2150		3	020860	£681	19500	2	6	020629	RS 255	£92	372
MRB 2950	Ø 630	2	020706	£1,087	27000	2	8	020627	RS 200	£82	425
MRB 3750		3	020706	£1,087	42000	2	6	020630	RS 300	£112	558
MRB 4100		3	020706	£1,087	40500	2	8	020630	RS 300	£112	603
MRB 5300	Ø 710	3	020713	£2,662	66600	2	8	020630	RS 300	£112	810
MRB 6400		3	020713	£2,662	63900	2	10	020630	RS 300	£112	873
MRL 600	Ø 500	1	020860	£681	7050	2	6	020624	RS 100	£57	167
MRL 865		2	020860	£681	13700	2	4	020626	RS 170	£72	245
MRL 1160		2	020860	£681	13400	2	6	020626	RS 170	£72	262
MRL 1800		3	020860	£681	20100	2	6	020629	RS 255	£92	372
MRL 2550	Ø 630	2	020706	£1,087	28200	2	8	020627	RS 200	£82	425
MRL 3300		3	020706	£1,087	43800	2	6	020630	RS 300	£112	558
MRL 4000		3	020706	£1,087	42300	2	8	020630	RS 300	£112	603
MRL 5100	Ø 710	3	020713	£2,662	68400	2	8	020630	RS 300	£112	810
MRL 5900		3	020713	£2,662	66000	2	10	020630	RS 300	£112	873
MRX 520	Ø 500	1	020860	£681	7500	2	6	020624	RS 100	£57	162
MRX 710		2	020860	£681	14600	2	4	020626	RS 170	£72	238
MRX 960		2	020860	£681	14000	2	6	020626	RS 170	£72	253
MRX 1300		3	020860	£681	21000	2	6	020629	RS 255	£92	358
MRX 1720	Ø 630	2	020706	£1,087	28600	2	8	020627	RS 200	£82	415
MRX 2300		3	020706	£1,087	44250	2	6	020630	RS 300	£112	545
MRX 2850		3	020706	£1,087	42900	2	8	020630	RS 300	£112	587
MRX 3450	Ø 710	3	020713	£2,662	70500	2	8	020630	RS 300	£112	793
MRX 4850		3	020713	£2,662	68100	2	10	020630	RS 300	£112	850

## MV Range

## Ceiling Mounted Mini Vap Panel Coolers

### MVP Fin Spacing 4 mm

Model	Off Cycle Defrost	Electric Defrost
Designation		E
Fan	List Price	List Price
Ø 230		
MVP 22	£312	£352
MVP 41	£350	£397
MVP 63	£518	£570
MVP 84	£600	£652
MVP 100	£802	£858

### MVG Fin Spacing 4 mm

Model	Off Cycle Defrost	Electric Defrost
		E
Fan	List Price	List Price
Ø 230		
MVG 30	346	386
MVG 45	394	440
MVG 70	614	666
MVG 85	667	719
MVG 125	893	950

### MVM Fin Spacing 4.2 mm

Model	Off Cycle Defrost	Normal Electric
Designation		E
Fan	List Price	List Price
Ø 230		
MVM 35	£562	£653
MVM 55	£629	£751
MVM 75	£816	£923
MVM 115	£922	£1,065
MVM 125	£1,143	£1,270
MVM 160	£1,349	£1,491
MVM 190	£1,541	£1,734
Ø 300		
MVM 150	£1,488	£1,616
MVM 180	£1,589	£1,762
MVM 210	£1,771	£1,989
MVM 250	£2,146	£2,355
MVM 340	£2,420	£2,711

### MVB Fin Spacing 7 mm

Model	Off Cycle Defrost	Electric Defrost
		E
Fan	List Price	List Price
Ø 230		
MVB 35	£557	648
MVB 55	£624	746
MVB 75	£807	913
MVB 115	£907	1,050
MVB 125	£1,128	1,256
MVB 160	£1,335	1,477
MVB 190	£1,517	1,710
Ø 300		
MVB 150	£1,474	1,602
MVB 180	£1,570	1,743
MVB 210	£1,747	1,965
MVB 250	£2,117	2,326
MVB 340	£2,381	2,673

**MV Range** of mini-vap unit coolers, mainly designed for commercial refrigerating cabinets and small cold rooms where height restrictions occur. Size is kept to a minimum, particularly height, and nominal capacities vary between 0.4 and 9 kW. For preserving fresh or frozen food in medium to low temperatures. The evaporating coil is built with internally grooved copper tube and corrugated aluminium fins, spacing as shown opposite. The casing is made from a corrosion resistant aluminium and the evaporators have a hinged drip tray at the bottom and an intermediate tray under the coil to allow the water drainage and to fasten the defrost heaters. There are galvanized steel supports to fix the evaporator to the ceiling.





## Details of Fan Motors and Defrost Heaters (if fitted) for the MV range of Ceiling Mounted Mini-Vaps

Model	Fans			Air Flow (m³/hr)	Weight (Kg)	Defrost Heaters (Electric Defrost Option)				
	Number	Part No.	List Price			Number		Part No.	Model Number	List Price
Ø 230										
MVP 22+A1A10	1	020800	£45	300	7	1		020600	R 60	£37
MVP 41	1	020800	£45	440	8	1		020602	R 62	£41
MVP 63	2	020800	£45	720	12	1		020603	R 63	£54
MVP 84	2	020800	£45	880	14	1		020604	R 64	£53
MVP 100	3	020800	£45	1320	20	1		020605	R 65	£59
Ø 230										
MVG 30	1	020800	£45	410	8	1		020600	R 60	£37
MVG 45	1	020800	£45	560	10	1		020602	R 62	£41
MVG 70	2	020800	£45	950	14	1		020603	R 63	£48
MVG 85	2	020800	£45	1120	16	1		020604	R 64	£53
MVG 125	3	020800	£45	1680	23	1		020605	R 65	£59
Ø 230						Coil	Tray			
MVM 35	1	020801	£60	540	1	1	1	020661	RS 38	£44
MVM 55	1	020801	£60	480	1	2	1	020661	RS 38	£44
MVM 75	2	020801	£60	1120	2	1	1	020623	RS 85	£53
MVM 115	2	020801	£60	990	2	2	1	020623	RS 85	£53
MVM 125	3	020801	£60	1780	3	1	1	020625	RS 140	£64
MVM 160	4	020801	£60	2240	4	1	1	020626	RS 170	£72
MVM 190	4	020801	£60	1980	4	2	1	020626	RS 170	£72
Ø 300										
MVM 150	2	020802	£233	2760	2	1	1	020625	RS 140	£64
MVM 180	2	020802	£233	2620	2	2	1	020625	RS 140	£64
MVM 210	2	020802	£233	2350	2	3	1	020625	RS 140	£64
MVM 250	3	020802	£233	3930	3	2	1	020628	RS 210	£82
MVM 340	3	020802	£233	3525	3	3	1	020628	RS 210	£82
Ø 230						Coil	Tray			
MVB 35	1	020801	£60	600	1	1	1	020661	RS 38	£44
MVB 55	1	020801	£60	560	1	2	1	020661	RS 38	£44
MVB 75	2	020801	£60	1200	2	1	1	020623	RS 85	£53
MVB 115	2	020801	£60	1120	2	2	1	020623	RS 85	£53
MVB 125	3	020801	£60	1875	3	1	1	020625	RS 140	£64
MVB 160	4	020801	£60	2400	4	1	1	020626	RS 170	£72
MVB 190	4	020801	£60	2240	4	2	1	020626	RS 170	£72
Ø 300										
MVB 150	2	020802	£233	2900	2	1	1	020625	RS 140	£64
MVB 180	2	020802	£233	2780	2	2	1	020625	RS 140	£64
MVB 210	2	020802	£233	2580	2	3	1	020625	RS 140	£64
MVB 250	3	020802	£233	4170	3	2	1	020628	RS 210	£82
MVB 340	3	020802	£233	3870	3	3	1	020628	RS 210	£82

**FBV Range**

Fin Spacing 4.2 mm

Unit Coolers with very low Air Velocity

Model	Off Cycle Defrost	Normal Electric	Hot Gas	Air Flow (m³/hr)	Weight (Kg)	Defrost Heaters (Electric Defrost Option)				Fans*		
						Number	Part No.	Model Number	List Price	Number	Part No.	List Price
Designation		E	HG									
Fan	List Price	List Price	List Price									
Ø 230												
FBV 15	£1,205	£1,194	N/A	1350	39	2	020623	RS 85	£53	2	020801	£60
FBV 25	£1,440	£1,631	N/A	1290	46	4	020623	RS 85	£53	2	020801	£60
Ø 300												
FBV 42	£1,930	£2,163	N/A	2090	59	4	020625	RS 140	£64	2	020823	£207
FBV 47	£2,304	£2,566	N/A	2110	72	4	020626	RS 170	£72	2	020823	£207
FBV 61	£2,362	£2,669	N/A	3315	76	4	020628	RS 210	£82	2	020806	£207
FBV 69	£2,876	£3,218	N/A	3325		4	020629	RS 255	£92	2	020806	£207

**FBV Range** of ceiling mounted evaporators with very low air velocity, nominal capacities from 2.5 to 8.6 kW. They are specially recommended for preserving delicate goods such as flowers, cheese, meat, fruits, vegetables, dough retarding etc or for air conditioning laboratories, joining rooms in meat industries etc because of their low noise level and gentle air flow. Evaporating coil is built with inner grooved copper tube and corrugated aluminium fins with 4.2 mm fin spacing and the casing is made of aluminium sheet cooled in a corrosion resistant whit polyester RAL-9002.

\* Fan part numbers apply to models manufactured before 2011. Please contact us for the correct part number for more recent models.

**FC Range**

Fin Spacing 4.2 mm

Ceiling Mounted, Centrifugal Unit Evaporators

Model	Off Cycle Defrost	Normal Electric
Designation		E
	List Price	List Price
FCM 950	£4,316	£4,707
FCM 1290	£6,251	£6,640
FCM 1780	£6,927	£7,419
FCM 2430	£8,963	£9,434
FCM 2550	£9,774	£10,381
FCM 3850	£13,212	£14,055

Air Flow (m³/hr)	Weight (Kg)	Defrost Heaters (Electric Defrost Option)					Fans		
		Coil	Tray	Part No.	Model Number	List Price	Number	Part No.	List Price
5670	154	6	2	020624	RS 100	£57	1	020684	£713
11220	228	4	2	020626	RS 170	£72	2	020684	£713
10540	245	6	2	020626	RS 170	£72	2	020684	£713
16830	320	4	2	020629	RS 255	£92	3	020684	£713
15810	346	6	2	020629	RS 255	£92	3	020684	£713
21640	461	6	2	020636	RS 360	£116	4	020684	£713

**FCM Range** of ceiling mounted, cubic evaporators with centrifugal fans and nominal capacities between 17.7 and 66.8 kW. For use in freezing or working rooms above 0°C. Cold manufactured with 1/2" OD internally grooved copper tube and corrugated aluminium fins. Finned coil sections separated and independent for each fan. Casing made of aluminium and galvanised sheet coated in a corrosion resistant white polyester RAL-9002. **Lateral pannels easily removable to allow access to the inside for cleaning and maintenance.**



**SN Range**

Fin Spacing 10 mm

Gravity Evaporator Coils

Model	Off Cycle Defrost	Normal Electric
Designation		E
	List Price	List Price
SN 20	£418	£482
SN 30	£571	£686
SN 40	£691	£812
SN 50	£855	£1,021
SN 60	£1,003	£1,190
SN 70	£1,114	£1,300
SN 80	£1,272	£1,474
SN 90	£1,570	£1,829
SN 100	£1,738	£2,016

Weight (Kg)	Defrost Heaters (Electric Defrost Option)			
	Number	Part No.	Model Number	List Price
12	1	020620	R 723	£60
18	2	020620	R 723	£60
22	2	020616	R 745	£64
30	3	020616	R 745	£64
36	3	020617	R 767	£73
42	3	020617	R 767	£73
48	3	020618	R 789	£82
54	4	020618	R 789	£82
60	4	020619	R 710	£89



**SN Range** gravity evaporator coils with nominal capacities between 0.5 and 3.6 kW designed for cold storage rooms between 0 and - 10°C for preserving delicate products which need a constant temperature and hygrometric content.

The coil is built with copper tube arranged in a staggered position and corrugated aluminium fins arranged with single 10 mm spacing for greater efficiency. Single circuit for models SN-20 to SN-80 and double refrigerated circuit for the other two models SN-90 and SN-100.

The drip tray is specially constructed from PVC

**EG Range**

Fin Spacing 10 mm

Gravity Evaporator Coils

Model	Off Cycle Defrost	Normal Electric
Designation		E
	List Price	List Price
EG 38	£1,387	£1,574
EG 44	£1,541	£1,743
EG 55	£1,843	£2,103
EG 63	£2,021	£2,300
EG 75	£2,290	£2,630
EG 94	£2,722	£3,142
EG 118	£3,250	£3,770

Weight (Kg)	Defrost Heaters (Electric Defrost Option)			
	Number	Part No.	Model Number	List Price
45	3	020617	R 767	£73
52	3	020618	R 789	£82
62	4	020618	R 789	£82
70	4	020619	R 710	£89
82	5	020619	R 710	£89
101	5	020612	R 730	£118
124	6	020612	R 730	£118



**FCM Range** of ceiling mounted, cubic evaporators with centrifugal fans and nominal capacities between 17.7 and 66.8 kW. For use in freezing or working rooms above 0°C.

Cold manufactured with 1/2" OD internally grooved copper tube and corrugated aluminium fins. Finned coil sections separated and independent for each fan. Casing made of aluminium and galvanised sheet coated in a corrosion resistant white polyester RAL-9002.

**Lateral pannels easily removable to allow access to the inside for cleaning and maintenance.**

## GNHM

Fin Spacing 4.2 mm

Model	Off Cycle Defrost	Normal Electric	Reduced Electric	High Efficiency Electric	Water	Hot Gas
Designation		E1	E0	E+	W	HG
Fan	List Price	List Price	List Price	List Price	List Price	List Price
Ø 630						
GNHM-2450	£9,760	£10,553	£10,380	£11,687	£10,402	£10,293
GNHM-2600	£11,272	£12,250	£11,950	£13,787	£11,914	£11,829
GNHM-3900	£13,375	£14,454	£14,223	£15,907	£14,167	£14,215
GNHM-4600	£15,732	£17,080	£16,657	£19,052	£16,524	£16,610
GNHM-4900	£17,076	£18,448	£18,123	£20,176	£18,003	£18,128
GNHM-5500	£19,909	£21,568	£21,051	£23,983	£20,835	£21,008
GNHM-6300	£21,738	£23,378	£22,993	£25,186	£22,782	£23,005
GNHM-7500	£25,165	£27,154	£26,536	£29,703	£26,210	£26,490
Ø 800						
GNHM-4750	£16,548	£17,896	£17,473	£19,868	£17,513	£17,278
GNHM-6350	£21,738	£23,378	£22,993	£25,186	£22,782	£23,005
GNHM-7400	£24,839	£26,774	£26,198	£29,890	£25,976	£25,833
GNHM-8500	£31,877	£34,236	£33,517	£37,504	£33,167	£33,106

## GNHB

Fin Spacing 6 mm

Model	Off Cycle Defrost	Normal Electric	Reduced Electric	High Efficiency Electric	Water	Hot Gas
Designation		E1	E0	E+	W	HG
Fan	List Price	List Price	List Price	List Price	List Price	List Price
Ø 630						
GNHB-1740	£9,414	£10,207	£10,034	£11,341	£10,057	£9,947
GNHB-2300	£10,821	£11,798	£11,499	£13,335	£11,463	£11,378
GNHB-3300	£12,866	£13,945	£13,714	£15,398	£13,658	£13,706
GNHB-3850	£15,060	£16,408	£15,984	£18,380	£15,852	£15,938
GNHB-4650	£16,399	£17,771	£17,446	£19,500	£17,326	£17,451
GNHB-5200	£19,016	£20,675	£20,158	£23,090	£19,942	£20,115
GNHB-5400	£20,888	£22,528	£22,143	£24,337	£21,933	£22,155
GRB-6500	£24,052	£26,040	£25,423	£28,589	£25,096	£25,377
Ø 800						
GNHB-4000	£15,756	£17,105	£16,681	£19,076	£16,721	£16,486
GNHB-5450	£20,768	£22,415	£21,898	£24,839	£21,905	£21,723
GNHB-6450	£23,528	£25,463	£24,888	£28,580	£24,665	£24,522
GNHB-8100	£30,235	£32,594	£31,875	£35,862	£31,525	£31,464

**GNHM / GNHB Range** are industrial air coolers for ammonia NH3 with nominal capacities between 35 and 168 kW. For use in rooms preserving fresh goods between 0 and +2°C or preserving frozen products up to -20°C. Coil is built in stainless steel with corrugated aluminium fins for high efficiency and an aluminium casing coated in corrosion resistant white polyester.

All coolers are available in six options as shown. Off cycle defrost is the standard model, with normal electric, reduced electric, electric of high efficiency, water and hot gas defrost all being alternative possibilities. To identify a particular version, simply add the designation to the standard model, eg GNHM-2450 E1 or E+ etc.



**GNHL**

Fin Spacing 9 mm

Model	Off Cycle Defrost	Normal Electric	Reduced Electric	High Efficiency Electric	Water	Hot Gas
Designation Fan	List Price	E1 List Price	E0 List Price	E+ List Price	W List Price	HG List Price
<b>Ø 630</b>						
GNHL-1600	£9,261	£10,054	£9,766	£11,072	£9,788	£9,678
GNHL-1830	£10,619	£11,597	£11,297	£13,134	£11,262	£11,176
GNHL-2600	£1,264	£13,719	£13,488	£15,172	£13,432	£13,480
GNHL-3450	£14,762	£16,110	£15,687	£18,082	£15,554	£15,641
GNHL-4100	£16,097	£17,469	£17,143	£19,197	£17,023	£17,148
GNHL-5000	£18,627	£20,286	£19,769	£22,702	£19,553	£19,726
GNHL-5150	£20,513	£22,153	£21,740	£23,962	£21,558	£21,781
GNHL-6000	£23,562	£25,550	£24,933	£28,100	£24,607	£24,887
<b>Ø 800</b>						
GNHL-3600	£15,405	£16,754	£16,330	£18,726	£16,370	£16,135
GNHL-5350	£20,302	£21,949	£21,432	£24,373	£21,439	£21,258
GNHL-6050	£22,957	£24,892	£24,317	£28,008	£24,094	£23,951
GNHL-7700	£29,515	£31,874	£31,155	£35,142	£30,805	£30,744

**GNHX**

Fin Spacing 12 mm

Model	Off Cycle Defrost	Normal Electric	Reduced Electric	High Efficiency Electric	Water	Hot Gas
Designation Fan	List Price	E1 List Price	E0 List Price	E+ List Price	W List Price	HG List Price
<b>Ø 630</b>						
GNHX-1550	£9,145	£9,938	£9,766	£11,072	£9,788	£9,678
GNHX-1790	£10,466	£11,443	£11,143	£12,980	£11,108	£11,022
GNHX-2350	£12,463	£13,542	£13,311	£14,995	£13,255	£13,303
GNHX-2950	£14,532	£15,880	£15,456	£17,852	£15,324	£15,410
GNHX-3350	£15,866	£17,238	£16,913	£18,967	£16,793	£16,918
GNHX-4550	£18,324	£19,983	£19,467	£22,399	£19,251	£19,424
GNHX-4700	£20,221	£21,861	£21,476	£23,669	£21,265	£21,488
GNHX-5800	£23,183	£25,171	£24,554	£27,720	£24,227	£24,508
<b>Ø 800</b>						
GNHX-3000	£15,137	£16,485	£16,061	£18,457	£16,102	£15,866
GNHX-5100	£19,942	£21,589	£21,072	£24,013	£21,079	£20,898
GNHX-5850	£22,511	£24,445	£23,870	£27,562	£23,647	£23,504
GNHX-7250	£28,958	£31,317	£30,598	£34,585	£30,248	£30,187

**GNHL / GNHX Range** are industrial air coolers for ammonia NH<sub>3</sub> with nominal capacities between 35 and 168 kW. For use in low temperature rooms between -20 and -30°C or for fast freezing tunnels up to -40°C. Coil is built in stainless steel with corrugated aluminium fins for high efficiency and an aluminium casing coated in corrosion resistant white polyester.

All coolers are available in six options as shown. Off cycle defrost is the standard model, with normal electric, reduced electric, electric of high efficiency, water and hot gas defrost all being alternative possibilities. To identify a particular version, simply add the designation to the standard model, eg GNHL-1600 E1 or E+ etc.





## Fan Motors and Heaters (where fitted) for the GNHM and GNHB Models

Model	Fans			Air Throw (M)	Weight (Kg)	Defrost Heaters (If Fitted) *				
	Number	Part No.	List Price			Tray	Coil	Part No.	Model Number	List Price
<b>Ø 630</b>										
<b>GNHM-2450</b>	2	020706	£1,087	33	307	4	7	020640	RS 220	£85
<b>GNHM-2600+A</b>	2	020706	£1,087	32	350	4	10	020640	RS 220	£85
<b>GNHM-3900</b>	3	020706	£1,087	34	441	4	7	020641	RS 330	£117
<b>GNHM-4600</b>	3	020706	£1,087	33	504	4	10	020641	RS 330	£117
<b>GNHM-4900</b>	4	020706	£1,087	35	575	4	7	020643	RS 440	£152
<b>GNHM-5500</b>	4	020706	£1,087	34	659	4	10	020643	RS 440	£152
<b>GNHM-6300</b>	5	020706	£1,087	36	708	4	7	020647	RS 550	£166
<b>GNHM-7500</b>	5	020706	£1,087	35	813	4	10	020647	RS 550	£166
<b>Ø 800</b>										
<b>GNHM-4750</b>	2	020706	£1,087	28	582	4	10	020641	RS 330	£117
<b>GNHM-6350</b>	3	020706	£1,087	29	772	4	10	020643	RS 440	£152
<b>GNHM-7400</b>	3	020706	£1,087	29	873	4	13	020643	RS 440	£152
<b>GNHM-8500</b>	4	020706	£1,087	30	1088	4	13	020647	RS 550	£166
<b>Ø 630</b>										
<b>GNHB-1740</b>	2	020706	£1,087	34	297	4	7	020640	RS 220	£85
<b>GNHB-2300</b>	2	020706	£1,087	33	335	4	10	020640	RS 220	£85
<b>GNHB-3300</b>	3	020706	£1,087	35	425	4	7	020641	RS 330	£117
<b>GNHB-3850</b>	3	020706	£1,087	34	482	4	10	020641	RS 330	£117
<b>GNHB-4650</b>	4	020706	£1,087	36	553	4	7	020643	RS 440	£152
<b>GNHB-5200</b>	4	020706	£1,087	35	628	4	10	020643	RS 440	£152
<b>GNHB-5400</b>	5	020706	£1,087	37	681	4	7	020647	RS 550	£166
<b>GRB-6500</b>	5	020706	£1,087	36	775	4	10	020647	RS 550	£166
<b>Ø 800</b>										
<b>GNHB-4000</b>	2	020706	£1,087	29	551	4	10	020641	RS 330	£117
<b>GNHB-5450</b>	3	020706	£1,087	30	730	4	10	020643	RS 440	£152
<b>GNHB-6450</b>	3	020706	£1,087	30	819	4	13	020643	RS 440	£152
<b>GNHB-8100</b>	4	020706	£1,087	31	1021	4	13	020647	RS 550	£166

### Notes

\* These are the numbers required for the standard electric defrost (E1) version. Different quantities are used in the E0 (Reduced) ranges. Further details are available in the Frimetal technical catalogue which can be downloaded from our website.

## Fan Motors and Heaters (where fitted) for the GNHL and GNHX Models

Model	Fans			Air Throw (M)	Weight (Kg)	Defrost Heaters (If Fitted) *				
	Number	Part No.	List Price			Tray	Coil	Part No.	Model Number	List Price
<b>Ø 630</b>										
<b>GNHL-1600</b>	2	020706	£1,087	35	288	4	7	020640	RS 220	£85
<b>GNHL-1830</b>	2	020706	£1,087	34	323	4	10	020640	RS 220	£85
<b>GNHL-2600</b>	3	020706	£1,087	36	411	4	7	020641	RS 330	£117
<b>GNHL-3450</b>	3	020706	£1,087	35	463	4	10	020641	RS 330	£117
<b>GNHL-4100</b>	4	020706	£1,087	37	535	4	7	020643	RS 440	£152
<b>GNHL-5000</b>	4	020706	£1,087	36	604	4	10	020643	RS 440	£152
<b>GNHL-5150</b>	5	020706	£1,087	38	658	4	7	020647	RS 550	£166
<b>GNHL-6000</b>	5	020706	£1,087	37	744	4	10	020647	RS 550	£166
<b>Ø 800</b>										
<b>GNHL-3600</b>	2	020706	£1,087	29	528	4	10	020641	RS 330	£117
<b>GNHL-5350</b>	3	020706	£1,087	30	700	4	10	020643	RS 440	£152
<b>GNHL-6050</b>	3	020706	£1,087	30	782	4	13	020643	RS 440	£152
<b>GNHL-7700</b>	4	020706	£1,087	31	974	4	13	020647	RS 550	£166
<b>Ø 630</b>										
<b>GNHX-1550</b>	2	020706	£1,087	36	281	4	7	020640	RS 220	£85
<b>GNHX-1790</b>	2	020706	£1,087	35	313	4	10	020640	RS 220	£85
<b>GNHX-2350</b>	3	020706	£1,087	37	400	4	7	020641	RS 330	£117
<b>GNHX-2950</b>	3	020706	£1,087	36	448	4	10	020641	RS 330	£117
<b>GNHX-3350</b>	4	020706	£1,087	38	520	4	7	020643	RS 440	£152
<b>GNHX-4550</b>	4	020706	£1,087	37	584	4	10	020643	RS 440	£152
<b>GNHX-4700</b>	5	020706	£1,087	39	639	4	7	020647	RS 550	£166
<b>GNHX-5800</b>	5	020706	£1,087	38	719	4	10	020647	RS 550	£166
<b>Ø 800</b>										
<b>GNHX-3000</b>	2	020706	£1,087	30	510	4	10	020641	RS 330	£117
<b>GNHX-5100</b>	3	020706	£1,087	31	677	4	10	020643	RS 440	£134
<b>GNHX-5850</b>	3	020706	£1,087	31	752	4	13	020643	RS 440	£152
<b>GNHX-7250</b>	4	020706	£1,087	32	937	4	13	020647	RS 550	£166

### Notes

\* These are the numbers required for the standard electric defrost (E1) version. Different quantities are used in the E0 (Reduced) ranges. Further details are available in the Frimetal technical catalogue which can be downloaded from our website.

## TNHM

Fin Spacing 4.2 mm

Model	Off Cycle Defrost	Normal Electric	Hot Gas	Air Flow (m³/hr)	Weight (Kg)	Defrost Heaters (Electric Defrost Option)					Fans*		
Designation		E	HG			Tray	Coil	Part No.	Model Number	List Price	Number	Part No.	List Price
Fan	List Price	List Price	List Price	At 0 Pa									
Ø 630													
TNHM-2440	£10,518	£11,240	£11,147		312	6	2	020627	RS-200	£82	2	020705	£1,155
TNHM-3000	£12,852	£13,807	£13,480	31300	354	10	2	020627	RS-200	£82	2	020705	£1,155
TNHM-3700	£14,556	£15,526	£15,306	48300	438	6	2	020630	RS-300	£112	3	020705	£1,155
TNHM-4700	£17,427	£18,745	£18,177	46950	500	10	2	020630	RS-300	£112	3	020705	£1,155
TNHM-6000	£22,295	£23,820	£23,164	62600	650	10	2	020642	RS-400	£132	4	020705	£1,155
Ø 710													
TNHM-2550	£13,970	£14,692	£14,599	45700	405	6	2	020627	RS-200	£82	2	020712	£2,662
TNHM-3850	£16,303	£17,259	£16,932	43800	445	10	2	020627	RS-200	£82	2	020712	£2,662
TNHM-4400	£19,736	£20,706	£20,487	68550	576	6	2	020630	RS-300	£112	3	020712	£2,662
TNHM-5200	£22,607	£23,925	£23,357	65700	640	10	2	020630	RS-300	£112	3	020712	£2,662
TNHM-7600	£29,313	£30,839	£30,183	87600	830	10	2	020642	RS-400	£132	4	020712	£2,662

## TNHB

Fin Spacing 7 mm

Model	Off Cycle Defrost	Normal Electric	Hot Gas	Air Flow (m³/hr)	Weight (Kg)	Defrost Heaters (Electric Defrost Option)					Fans*		
Designation		E	HG			Tray	Coil	Part No.	Model Number	List Price	Number	Part No.	List Price
Fan	List Price	List Price	List Price	At 0 Pa									
Ø 630													
TNHB-1650	£10,226	£10,948	£10,854	33500	303	6	2	020627	RS-200	£82	2	020705	£1,155
TNHB-2350	£12,424	£13,380	£13,053	32500	340	10	2	020627	RS-200	£82	2	020705	£1,155
TNHB-2800	£14,124	£15,094	£14,875	50250	425	6	2	020630	RS-300	£112	3	020705	£1,155
TNHB-3800	£16,793	£18,111	£17,544	48750	480	10	2	020630	RS-300	£112	3	020705	£1,155
TNHB-5250	£21,450	£22,975	£22,319	65000	622	10	2	020642	RS-400	£132	4	020705	£1,155
Ø 710													
TNHB-2100	£13,668	£14,390	£14,297	48200	395	6	2	020627	RS-200	£82	2	020712	£2,662
TNHB-3100	£15,862	£16,817	£16,490	46000	433	10	2	020627	RS-200	£82	2	020712	£2,662
TNHB-3350	£19,280	£20,250	£20,031	72300	563	6	2	020630	RS-300	£112	3	020712	£2,662
TNHB-4800	£21,954	£23,272	£22,730	69000	620	10	2	020630	RS-300	£112	3	020712	£2,662
TNHB-6100	£28,439	£29,965	£29,309	92000	805	10	2	020642	RS-400	£132	4	020712	£2,662

**TNH Range** of dual discharge evaporators for ammonia are designed for use in fast cooling tunnels for fruit and vegetables or freezing tunnels where high air pressure is required, together with perfect air distribution through the product located on the pallets. Nominal Capacities between 33.4 and 163 kW with series TNHM / TNHB used for medium temperatures. Coil is built in stainless steel with corrugated aluminium fins for high efficiency and an aluminium casing coated in corrosion resistant white polyester.

All coolers are available in three options as shown. Off cycle defrost is the standard model, electric and hot gas defrost all being alternatives.



## TNHL

Fin Spacing 9 mm

Model	Off Cycle Defrost	Normal Electric	Hot Gas	Air Flow (m³/hr)	Weight (Kg)	Defrost Heaters (Electric Defrost Option)					Fans*		
Designation		E	HG			Tray	Coil	Part No.	Model Number	List Price	Number	Part No.	List Price
Fan	List Price	List Price	List Price	At 0 Pa									
<b>Ø 630</b>													
TNHL-1500	£10,053	£10,775	£10,682	34000	300	6	2	020627	RS-200	£82	2	020705	£1,155
TNHL-2150	£12,170	£13,125	£12,799	33200	333	10	2	020627	RS-200	£82	2	020705	£1,155
TNHL-2500	£13,864	£14,835	£14,615	51000	417	6	2	020630	RS-300	£112	3	020705	£1,155
TNHL-3600	£16,414	£17,732	£17,164	49800	470	10	2	020630	RS-300	£112	3	020705	£1,155
TNHL-5050	£20,946	£22,471	£21,815	66400	605	10	2	020642	RS-400	£132	4	020705	£1,155
<b>Ø 710</b>													
TNHL-1700	£13,485	£14,207	£14,114	49000	390	6	2	020627	RS-200	£82	2	020712	£2,662
TNHL-2650	£15,602	£16,558	£16,231	47500	425	10	2	020627	RS-200	£82	2	020712	£2,662
TNHL-2850	£19,011	£19,982	£19,762	73500	555	6	2	020630	RS-300	£112	3	020712	£2,662
TNHL-4200	£21,565	£22,883	£22,316	71250	610	10	2	020630	RS-300	£112	3	020712	£2,662
TNHL-5800	£27,926	£29,451	£28,796	95000	790	10	2	020642	RS-400	£132	4	020712	£2,662

## TNHX

Fin Spacing 12 mm

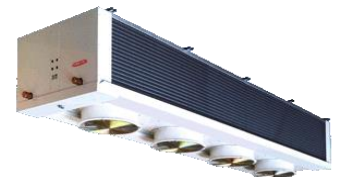
Model	Off Cycle Defrost	Normal Electric	Hot Gas	Air Flow (m³/hr)	Weight (Kg)	Defrost Heaters (Electric Defrost Option)					Fans*		
Designation		E	HG			Tray	Coil	Part No.	Model Number	List Price	Number	Part No.	List Price
Fan	List Price	List Price	List Price	At 0 Pa									
<b>Ø 630</b>													
TNHX-1250	£9,942	£10,664	£10,571	34200	305	6	2	020627	RS-200	£82	2	020705	£1,155
TNHX-1750	£12,016	£12,972	£12,645	33500	345	10	2	020627	RS-200	£82	2	020705	£1,155
TNHX-2000	£13,706	£14,677	£14,457	51300	428	6	2	020630	RS-300	£112	3	020705	£1,155
TNHX-2900	£16,188	£17,506	£16,939	50250	485	10	2	020630	RS-300	£112	3	020705	£1,155
TNHX-4000	£20,648	£22,174	£21,518	67000	627	10	2	020642	RS-400	£132	4	020705	£1,155
<b>Ø 710</b>													
TNHX-1600	£13,370	£14,092	£13,999	49600	397	6	2	020627	RS-200	£82	2	020712	£2,662
TNHX-2200	£15,439	£16,394	£16,067	48600	435	10	2	020627	RS-200	£82	2	020712	£2,662
TNHX-2450	£18,843	£19,814	£19,594	74400	565	6	2	020630	RS-300	£112	3	020712	£2,662
TNHX-3400	£21,325	£22,643	£22,076	72900	625	10	2	020630	RS-300	£112	3	020712	£2,662
TNHX-5300	£27,609	£29,135	£28,479	97200	810	10	2	020642	RS-400	£132	4	020712	£2,662

**TNH Range** of dual discharge evaporators for ammonia are designed for use in fast cooling tunnels for fruit and vegetables or freezing tunnels where high air pressure is required, together with perfect air distribution through the product located on the pallets.

Nominal Capacities between 33.4 and 163 kW with series TNHL used for low temperatures and series TNHX used for ultra low temperatures. Coil is built in stainless steel with corrugated aluminium fins for high efficiency and an aluminium casing coated in corrosion resistant white polyester.

All coolers are available in three options as shown. Off cycle defrost is the standard model, electric and hot gas defrost all being alternatives.

**Please note the TNHX range is currently being updated so please contact the office for the latest price and availability.**



## CBN

R-404A

Model	List Price	Fans			Air Flow (m³/hr)	Weight (Kg)
		Number	Part No.	List Price		
Fan					1000rpm	
Ø 500						
CBN-22	£1,653	1	020700	£548	5050	60
CBN-25	£1,788	1	020700	£548	4800	65
CBN-29	£2,037	1	020700	£548	4450	73
CBN-45	£2,765	2	020700	£548	10100	109
CBN-51	£2,981	2	020700	£548	9600	116
CBN-57	£3,413	2	020700	£548	8900	133
CBN-67	£3,816	3	020700	£548	15150	156
CBN-76	£4,142	3	020700	£548	14400	168
CBN-86	£4,776	3	020700	£548	13350	197
Ø 630						
CBN-94	£4,932	2	020706	£1,087	21800	192
CBN-107	£5,345	2	020706	£1,087	21000	208
CBN-121	£6,176	2	020706	£1,087	20000	242
CBN-140	£6,930	3	020706	£1,087	32700	278
CBN-160	£7,646	3	020706	£1,087	31500	304
CBN-181	£8,812	3	020706	£1,087	30000	354
CBN-189	£9,373	4	020706	£1,087	41600	404
CBN-210	£10,328	4	020706	£1,087	40500	453
Ø 800						
CBN-123	£6,522	2	020710	£1,397	29200	305
CBN-137	£7,151	2	020710	£1,397	27000	338
CBN-185	£9,275	3	020710	£1,397	43800	445
CBN-206	£10,221	3	020710	£1,397	40500	496
CBN-247	£11,542	4	020710	£1,397	58400	585
CBN-274	£12,944	4	020710	£1,397	54000	653
CBN-309	£14,270	5	020710	£1,397	73000	726
CBN-343	£15,825	5	020710	£1,397	67500	811
CBN-380	£17,039	6	020710	£1,397	90000	907
CBN-424	£18,997	6	020710	£1,397	83400	1,015
CBN-506	£21,872	8	020710	£1,397	120000	1,197
CBN-566	£24,680	8	020710	£1,397	111200	1,340
CBN-638	£29,544	8	020710	£1,397	107200	1,624

**CBN Series** are air cooled condensers with axial fans for R404A with nominal capacities between 11 and 638 kW and 2.1mm fin spacing. Coil is built with a combination of copper tube and aluminium fins specially designed for condensation that provides an optimized coefficient of heat exchange.

Supported casing by means of a "floating" system avoids any kind of contact between the copper tubes and supporting end plates, assuring a long life for the condenser without leaks. External rotor axial fans, three phase motors 400V 50Hz two speed.

**Position options can be V: vertical or H: horizontal. Please specify when ordering.**

**Notes:** Further details are available in the Frimetal technical catalogue



Model	List Price	Fans			Air Flow (m³/hr)	Weight (Kg)
		Number	Part No.	List Price		
Fan					1000rpm	
Ø 500			New Model			
CBS-13	£1,653	1	MB.50.T8	£548	2660	56
CBS-14	£1,788	1	MB.50.T8	£548	2500	60
CBS-15	£2,037	1	MB.50.T8	£548	2500	68
CBS-26	£2,765	2	MB.50.T8	£548	5320	100
CBS-29	£2,981	2	MB.50.T8	£548	5000	108
CBS-30	£3,413	2	MB.50.T8	£548	5000	124
CBS-40	£3,816	3	MB.50.T8	£548	7980	142
CBS-43	£4,142	3	MB.50.T8	£548	7500	155
CBS-45	£4,776	3	MB.50.T8	£548	7500	180
Ø 630						
CBS-51	£4,932	2	020704	£900	13820	176
CBS-58	£5,345	2	020704	£900	12900	193
CBS-61	£6,176	2	020704	£900	11620	226
CBS-77	£6,930	3	020704	£900	20730	254
CBS-86	£7,646	3	020704	£900	19350	280
CBS-92	£8,812	3	020704	£900	17430	330
CBS-104	£9,373	4	020704	£900	24700	373
CBS-113	£10,328	4	020704	£900	22850	421
Ø 800						
CBS-73	£6,522	2	020709	£1,397	11780	293
CBS-78	£7,151	2	020709	£1,397	10930	327
CBS-110	£9,275	3	020709	£1,397	17670	428
CBS-117	£10,221	3	020709	£1,397	16395	479
CBS-146	£11,542	4	020709	£1,397	23560	562
CBS-156	£12,944	4	020709	£1,397	21860	630
CBS-183	£14,270	5	020709	£1,397	29450	698
CBS-195	£15,825	5	020709	£1,397	27325	783
CBS-226	£17,039	6	020709	£1,397	36060	874
CBS-243	£18,997	6	020709	£1,397	33540	981
CBS-301	£21,872	8	020709	£1,397	48080	1,152
CBS-324	£24,680	8	020709	£1,397	44720	1,295

**CBS Series** are silent air cooled condensers with axial fans with nominal capacities between 11 and 638 kW and 2.1mm fin spacing. Coil is built with a combination of copper tube and aluminium fins specially designed for condensation that provides an optimized coefficient of heat exchange.

Supported casing by means of a "floating" system avoids any kind of contact between the copper tubes and supporting end plates, assuring a long life for the condenser without leaks. External rotor axial fans, three phase motors 400V 50Hz two speed.

**Position options can be V: vertical or H: horizontal. Please specify when ordering.**

**Notes:** Further details are available in the Frimetel technical catalogue which can be downloaded from our website.





## VCN

R-404A

Model	List Price	Fans			Air Flow (m³/hr)	Weight (Kg)
		Number	Part No.	List Price		
Fan					1000rpm	
Ø 800						
VCN-154	£7,491	2	020710	£1,397	33400	335
VCN-172	£8,389	2	020710	£1,397	32000	380
VCN-231	£10,724	3	020710	£1,397	50100	485
VCN-258	£12,111	3	020710	£1,397	48000	560
VCN-276	£13,398	4	020710	£1,397	66800	645
VCN-307	£13,837	4	020710	£1,397	66800	645
VCN-308	£14,843	4	020710	£1,397	59200	770
VCN-344	£15,474	4	020710	£1,397	64000	745
VCN-385	£16,831	5	020710	£1,397	83500	795
VCN-430	£19,059	5	020710	£1,397	80000	920
VCN-461	£19,819	6	020710	£1,397	100200	955
VCN-413	£18,876	6	020710	£1,397	93000	1,020
VCN-463	£21,186	6	020710	£1,397	88800	1,100
VCN-515	£22,469	6	020710	£1,397	96000	1,105
VCN-551	£25,403	8	020710	£1,397	124000	1,330
VCN-617	£27,765	8	020710	£1,397	118400	1,430
VCN-689	£30,943	10	020710	£1,397	155000	1,630
VCN-771	£34,424	10	020710	£1,397	148000	1,760
VCN-827	£36,465	12	020710	£1,397	186000	1,930
VCN-925	£40,579	12	020710	£1,397	177600	2,090

**VCN Series** are air cooled condensers with axial fans of diameter Ø800 mm and coils forming a "v". Nominal capacities are between 73 and 925 kW and 2.1mm fin spacing.

Coil is built with a combination of copper tube and aluminium fins specially designed for condensation that provides an optimized coefficient of heat exchange.

Supported casing by means of a "floating" system avoids any kind of contact between the copper tubes and supporting end plates, assuring a long life for the condenser without leaks. External rotor axial fans, three phase motors 400V 50Hz two speed.

**Notes:** Further details are available in the Frimetal technical catalogue which can be downloaded from our website.



Model	List Price	Fans			Air Flow (m³/hr)	Weight (Kg)
		Number	Part No.	List Price		
Fan					1000rpm	
Ø 800						
VCS-89	£7,491	2	020709	£1,397	13300	325
VCS-95	£8,389	2	020709	£1,397	12600	370
VCS-134	£10,724	3	020709	£1,397	19950	470
VCS-143	£12,111	3	020709	£1,397	18900	545
VCS-162	£13,398	4	020709	£1,397	24700	700
VCS-174	£14,843	4	020709	£1,397	23200	750
VCS-178	£13,837	4	020709	£1,397	26600	625
VCS-191	£15,474	4	020709	£1,397	25200	725
VCS-223	£16,831	5	020709	£1,397	33250	770
VCS-239	£19,059	5	020709	£1,397	31500	895
VCS-244	£18,876	6	020709	£1,397	37050	990
VCS-262	£21,186	6	020709	£1,397	34800	1,070
VCS-267	£19,819	6	020709	£1,397	39900	925
VCS-286	£22,469	6	020709	£1,397	37800	1,075
VCS-325	£25,403	8	020709	£1,397	49400	1,290
VCS-349	£27,765	8	020709	£1,397	46400	1,390
VCS-406	£30,943	10	020709	£1,397	61750	1,580
VCS-436	£34,424	10	020709	£1,397	58000	1,710
VCS-487	£36,465	12	020709	£1,397	74100	1,870
VCS-523	£40,579	12	020709	£1,397	69600	2,030

**VCS Series** are silent air cooled condensers with axial fans of diameter Ø800 mm and coils forming a "V". Nominal capacities are between 73 and 925 kW and 2.1mm fin spacing.

Coil is built with a combination of copper tube and aluminium fins specially designed for condensation that provides an optimized coefficient of heat exchange.

Supported casing by means of a "floating" system avoids any kind of contact between the copper tubes and supporting end plates, assuring a long life for the condenser without leaks. External rotor axial fans, three phase motors 400V 50Hz two speed.

**Notes:** Further details are available in the Frimetal technical catalogue which can be downloaded from our website.



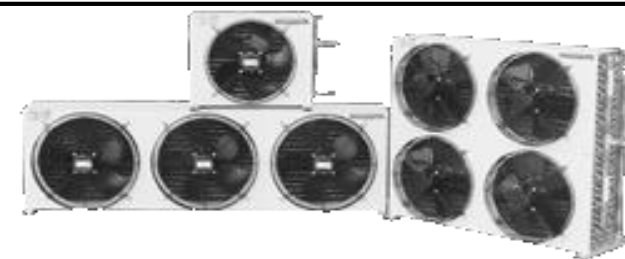
**CPN Range****COPPER TUBE Fin Spacing 2.1 mm****Compact Condensers with Axial Fans**

Model	List Price	Weight (Kg)	Fans		
			Number	Part No.	List Price
<b>Fan</b>					
<b>Ø 300</b>					
CPN-42	£504	12	1	020820	£233
CPN-54	£667	15	1	020820	£233
CPN-83	£807	21	2	020820	£233
CPN-109	£979	26	2	020820	£233
<b>Ø 400</b>					
CPN-153	£1,320	29	2	020822	£330
CPN-209	£1,560	36	2	020822	£330
CPN-283	£1,949	47	3	020822	£330
CPN-313	£2,117	53	3	020822	£330
CPN-377	£2,472	61	4	020822	£330
CPN-418	£2,669	69	4	020822	£330

**CPN Range** are compact condensers with axial fans and nominal capacities between 4.2 and 41.8 kW. The coil is built with a combination of copper tube and aluminium fins specially designed for condensation that provides an optimized coefficient of heat exchange, stainless steel stubes are optional.

The axial fans are single-phase 230v 50 hz, fitted with external rotor with IP-44 protection and incorporated thermal protector. The fact of being single-phase allows ther easy speed regulation for condensation control.

All models can be supplied in double version, with two rows of fans or in a single unit, with single inlet and outlet headers.

**NCF Range****COPPER TUBE Fin Spacing 4 mm****Air Cooled Condensers for Hermetic Compressors**

Model	Standard	Condensing Coil Only	No Shell / Fan Duct
	List Price	S List Price	T List Price
NCF-72	£61	£53	£60
NCF-82	£69	£60	£67
NCF-83	£90	£81	£87
NCF-84	£109	£100	£108
NCF-93	£104	£93	£101
NCF-94	£128	£117	£124
NCF-104	£146	£134	£142
NCF-114	£195	£182	£190
NCF-124	£217	£204	£212
NCF-144	£264	£248	£257
NCF-164	£320		
NCF 94-D	£226	£207	£220
NCF 104-D	£258	£238	£252
NCF 114-D	£295	£272	£286
NCF 124-D	£333	£307	£323
NCF 144-D	£417	£386	£403

**NCF Range** are air cooled condensers supplied without fans for hermetic compressors and have nominal capacities between 770 and 10390W.

Manufactured with copper tube with corrugated aluminium fins and the normal version consists of a shell of galvanised steel.

Options include -D for double models, -T for modes without neither shell nor fan duct, having only a roof over the top, or -S for models with the condensing coil only.

**Notes:** Further details are available in the Frimetal technical catalogue which can be downloaded from



**KC Range**

Fin Spacing 2.1 mm

**Air Cooled Condensers with Centrifugal Fans**
**KCN**

R-404A

Model	List Price	Fans			Air Flow (m³/hr)	Weight (Kg)
		Number	Part No.	List Price		
<b>Fan</b>						
<b>9/9</b>					<b>1,300 rpm</b>	
KCN-12	£1,805	0	020681	£521	4470	46
KCN-14	£1,887	1	020681	£521	4330	49
KCN-17	£2,050	1	020681	£521	4100	54
KCN-25	£2,970	2	020681	£521	8940	86
KCN-29	£3,109	2	020681	£521	8660	91
KCN-33	£3,354	2	020681	£521	8200	100
KCN-37	£4,108	3	020681	£521	13410	126
KCN-43	£4,296	3	020681	£521	12990	132
KCN-50	£4,637	3	020681	£521	12300	146
<b>12/12</b>					<b>900 rpm</b>	
KCN-24	£2,640	1	020684	£713	7560	78
KCN-27	£2,770	1	020684	£713	7390	83
KCN-31	£3,015	1	020684	£713	7000	92
KCN-48	£4,327	2	020684	£713	15120	146
KCN-55	£4,561	2	020684	£713	14780	154
KCN-63	£5,009	2	020684	£713	14000	171
KCN-71	£6,062	3	020684	£713	22680	213
KCN-82	£6,398	3	020684	£713	22170	225
KCN-94	£7,003	3	020684	£713	21000	251
KCN-110	£8,278	4	020684	£713	29560	297
KCN-125	£9,046	4	020684	£713	28000	330
<b>18/18</b>					<b>686 rpm</b>	
KCN-134	£10,181	2	020685	£950	41800	570
KCN-153	£10,791	2	020685	£950	40500	604
KCN-201	£14,335	3	020685	£950	62700	850
KCN-229	£15,343	3	020685	£950	60750	900
KCN-268	£19,252	4	020685	£950	83600	1,115
KCN-306	£20,490	4	020685	£950	81000	1,180
KCN-335	£23,550	5	020685	£950	104500	1,390
KCN-382	£25,034	5	020685	£950	101250	1,470
KCN-458	£29,634	6	020685	£950	121500	1,755
KCN-527	£33,086	6	020685	£950	118200	1,950

**KCN Series** are air cooled condensers with centrifugal fans to be installed in the compressor room and with the possibility of connecting ducts to carry the air towards the outside.

Nominal capacities are between 10 and 527 kW

Coil is built with a combination of copper tube and aluminium fins specially designed for condensation that provides an optimized coefficient of heat exchange.

Supported casing by means of a "floating" system avoids any kind of contact between the copper tubes and supporting end plates, assuring a long life for the condenser without leaks

Centrifugal fans type 9/9, 10/10 and 12/12 are direct driven with external rotor motor three phase 230/400V 50/60Hz and protection IP-54.

Condensers with fans type 18/18 have the motor placed on a frame outside the centrifugal fan and the drive is made by means of belts and pulleys.

**Notes:** Further details are available in the Frimetel technical catalogue which can be downloaded from our website.



Model	List Price	Fans			Air Flow (m³/hr)	Weight (Kg)
		Number	Part No.	List Price		
<b>Fan</b>						
<b>9/9</b>					<b>900 rpm</b>	
KCS-10	£1,719	1	020682	£469	3070	43
KCS-11	£1,805	1	020682	£469	3010	46
KCS-13	£1,973	1	020682	£469	2840	41
KCS-20	£2,773	2	020682	£469	6140	80
KCS-23	£2,917	2	020682	£469	6020	85
KCS-25	£3,176	2	020682	£469	5680	94
KCS-30	£3,796	3	020682	£469	9210	117
KCS-33	£3,993	3	020682	£469	9030	123
KCS-38	£4,348	3	020682	£469	8520	137
<b>10/10</b>					<b>900 rpm</b>	
KCS-17	£2,405	1	020683	£602	4910	71
KCS-19	£2,544	1	020683	£602	4840	76
KCS-22	£2,813	1	020683	£602	4700	85
KCS-34	£3,775	2	020683	£602	9820	132
KCS-39	£4,030	2	020683	£602	9680	140
KCS-44	£4,519	2	020683	£602	9400	157
KCS-51	£5,198	3	020683	£602	14730	192
KCS-58	£5,563	3	020683	£602	14520	204
KCS-65	£6,226	3	020683	£602	14100	230
KCS-78	£7,141	4	020683	£602	19360	169
KCS-87	£7,986	4	020683	£602	18800	302
<b>18/18</b>					<b>493 rpm</b>	
KCS-107	£8,928	2	020687	£558	107	520
KCS-120	£9,538	2	020687	£558	120	554
KCS-161	£12,453	3	020687	£558	161	775
KCS-180	£13,466	3	020687	£558	180	825
KCS-214	£16,751	4	020687	£558	214	1,015
KCS-240	£17,989	4	020687	£558	240	1,080
KCS-268	£20,420	5	020687	£558	268	1,265
KCS-300	£21,909	5	020687	£558	300	1,345
KCS-359	£25,880	6	020687	£558	359	1,605
KCS-400	£29,327	6	020687	£558	400	1,800

**KCS Series** are silent air cooled condensers with centrifugal fans to be installed in the compressor room and with the possibility of connecting ducts to carry the air towards the outside.

Nominal capacities are between 10 and 527 kW

Coil is built with a combination of copper tube and aluminium fins specially designed for condensation that provides an optimized coefficient of heat exchange.

Supported casing by means of a "floating" system avoids any kind of contact between the copper tubes and supporting end plates, assuring a long life for the condenser without leaks

Centrifugal fans type 9/9, 10/10 and 12/12 are direct driven with external rotor motor three phase 230/400V 50/60Hz and protection IP-54.

Condensers with fans type 18/18 have the motor placed on a frame outside the centrifugal fan and the drive is made by means of belts and pulleys.

**Notes:** Further details are available in the Frimetel technical catalogue which can be downloaded from our website.





**CBE Range**

Fin Spacing 2.1 mm

**Air Cooled Condensers with Electronic EC Axial Fans**

Model	List Price	Fans			Air Flow (m³/hr)	Weight (Kg)
		Number	Part No.	List Price		
<b>Fan</b>					<b>1610 rpm</b>	
<b>Ø 500</b>			<b>New Model</b>			
<b>CBE-26</b>	£2,831	1	EC.50.T.VR1	£1,728	8700	55
<b>CBE-30</b>	£2,994	1	EC.50.T.VR1	£1,728	8350	59
<b>CBE-35</b>	£3,301	1	EC.50.T.VR1	£1,728	7700	68
<b>CBE-53</b>	£4,997	2	EC.50.T.VR1	£1,728	17400	96
<b>CBE-61</b>	£5,299	2	EC.50.T.VR1	£1,728	16700	104
<b>CBE-70</b>	£5,875	2	EC.50.T.VR1	£1,728	15400	121
<b>CBE-79</b>	£7,191	3	EC.50.T.VR1	£1,728	26100	137
<b>CBE-91</b>	£7,576	3	EC.50.T.VR1	£1,728	25050	149
<b>CBE-105</b>	£8,296	3	EC.50.T.VR1	£1,728	23100	174
<b>Ø 800</b>			<b>New Model</b>			
<b>CBE-77</b>	£6,161	1	EC.80.T.VR1	£2,496	22400	188
<b>CBE-87</b>	£6,641	1	EC.80.T.VR1	£2,496	21350	206
<b>CBE-152</b>	£10,718	2	EC.80.T.VR1	£2,496	44800	334
<b>CBE-173</b>	£11,616	2	EC.80.T.VR1	£2,496	42700	370
<b>CBE-228</b>	£15,343	3	EC.80.T.VR1	£2,496	67200	488
<b>CBE-259</b>	£16,663	3	EC.80.T.VR1	£2,496	64050	541
<b>CBE-304</b>	£20,005	4	EC.80.T.VR1	£2,496	89600	635
<b>CBE-345</b>	£21,771	4	EC.80.T.VR1	£2,496	85400	705
<b>CBE-389</b>	£27,012	6	EC.80.T.VR1	£2,496	122400	821
<b>CBE-443</b>	£29,378	6	EC.80.T.VR1	£2,496	115200	903
<b>CBE-518</b>	£35,524	8	EC.80.T.VR1	£2,496	163200	1,073
<b>CBE-591</b>	£38,314	8	EC.80.T.VR1	£2,496	153600	1,183
<b>CBE-661</b>	£43,652	8	EC.80.T.VR1	£2,496	139200	1,402

**CBE Series** are air cooled condensers with electronic EC axial fans with nominal capacities between 76 and 661 kW

Coil is built with a combination of copper tube and aluminium fins specially designed for condensation that provides an optimized coefficient of heat exchange. Axial fan motors are EC type and electronically communicated with IP-54 protection, three phase connection from 380 to 480V adn 50/60Hz.

Programmable speed control through a DC inlet of 0-10V or 4-20mA.

Supported casing by means of a "floating" system avoids any kind of contact between the copper tubes and supporting end plates, assuring a long life for the condenser without leaks.

Options include horizontal or vertical position, three phase AC fan motors in both normal or silent.

**Notes:** Further details are available in the Frimetel technical catalogue which can be downloaded from our website.





## VCE Range

Fin Spacing 2.1 mm

## Air Cooled Condensers with Electronic EC Axial Fans

Model	List Price	Fans			Air Flow (m³/hr)	Weight (Kg)
		Number	Part No.	List Price		
Fan					1025 rpm	
Ø 800			New Model			
VCE-164	£10,979	2	EC.80.T.VR1	£2,496	45600	369
VCE-187	£11,939	2	EC.80.T.VR1	£2,496	43700	407
VCE-246	£16,157	3	EC.80.T.VR1	£2,496	68400	530
VCE-280	£17,646	3	EC.80.T.VR1	£2,496	65550	587
VCE-328	£20,582	4	EC.80.T.VR1	£2,496	91200	691
VCE-373	£22,396	4	EC.80.T.VR1	£2,496	87400	767
VCE-410	£25,371	5	EC.80.T.VR1	£2,496	114000	852
VCE-466	£27,829	5	EC.80.T.VR1	£2,496	109250	946
Ø 800			New Model			
VCE-294	£19,756	4	EC.80.T.VR1	£2,496	86000	726
VCE-335	£21,364	4	EC.80.T.VR1	£2,496	81500	789
VCE-441	£29,130	6	EC.80.T.VR1	£2,496	129000	1,039
VCE-502	£31,569	6	EC.80.T.VR1	£2,496	122250	1,134
VCE-588	£38,149	8	EC.80.T.VR1	£2,496	172000	1,352
VCE-670	£41,193	8	EC.80.T.VR1	£2,496	163000	1,478
VCE-735	£47,179	10	EC.80.T.VR1	£2,496	215000	1,665
VCE-837	£21,082	10	EC.80.T.VR1	£2,496	203750	1,822
Ø 910			New Model			
VCE-211	£12,285	2	EC.91.T.VR1	£3,168	59700	426
VCE-240	£13,519	2	EC.91.T.VR1	£3,168	57000	474
VCE-316	£18,145	3	EC.91.T.VR1	£3,168	89550	614
VCE-360	£20,017	3	EC.91.T.VR1	£3,168	85500	685
VCE-422	£23,136	4	EC.91.T.VR1	£3,168	119400	802
VCE-480	£25,450	4	EC.91.T.VR1	£3,168	114000	896
VCE-527	£28,698	5	EC.91.T.VR1	£3,168	149250	990
VCE-599	£31,717	5	EC.91.T.VR1	£3,168	142500	1,107
Ø 910			New Model			
VCE-401	£22,970	4	EC.91.T.VR1	£3,168	116060	906
VCE-457	£25,328	4	EC.91.T.VR1	£3,168	110400	993
VCE-601	£34,140	6	EC.91.T.VR1	£3,168	174090	1,305
VCE-686	£37,452	6	EC.91.T.VR1	£3,168	165600	1,435
VCE-801	£44,526	8	EC.91.T.VR1	£3,168	232120	1,705
VCE-914	£48,842	8	EC.91.T.VR1	£3,168	220800	1,877

**VCE Series** are air cooled condensers with electronic EC axial fans and coils forming a "V". Nominal capacities are between 164 and 914 kW and 2.1mm fin spacing.

Coil is built with a combination of copper tube and aluminium fins specially designed for condensation that provides an optimized coefficient of heat exchange. Axial fan motors are EC type and electronically communicated with IP-54 protection, three phase connection from 380 to 480V adn 50/60Hz.

Programmable speed control through a DC inlet of 0-10V or 4-20mA. Supported casing by means of a "floating" system avoids any kind of contact between the copper tubes and supporting end plates, assuring a long life for the condenser without leaks.

**Notes:** Further details are available in the Frimetal technical catalogue which can be downloaded from our website.



## VRE Range

Model	List Price	Air Flow (m³/hr)	Weight (Kg)
Fan		1300 rpm	
Ø 630			
VRE-55	£6,728	14860	250
VRE-63	£7,126	14700	264
VRE-74	£8,139	14400	291
VRE-109	£12,059	29720	453
VRE-127	£12,890	29400	479
VRE-147	£14,359	28800	532
VRE-190	£18,660	44100	694
VRE-221	£20,797	43200	773
VRE-253	£23,558	58800	927
VRE-294	£26,218	57600	1,032

## Air Cooled Condensers with Electronic EC Axial Fans

**VRE Series** are air cooled condensers with electronic EC radial fans. Nominal capacities are between 55 and 294 kW and 2.1mm fin spacing. Coil is built with a combination of copper tube and aluminium fins specially designed for condensation that provides an optimized coefficient of heat exchange. Radial fan motors are EC type and electronically communicated with IP-54 protection, three phase connection from 380 to 480V adn 50/60Hz.

Programmable speed control through a DC inlet of 0-10V or 4-20mA. Supported casing by means of a "floating" system avoids any kind of contact between the copper tubes and supporting end plates, assuring a long life for the condenser without leaks.

**Notes:** Further details are available in the Frimetal technical catalogue which can be downloaded from our website.



## ALN

Model	List Price	Fans			Air Flow (m³/hr)	Weight (Kg)
		Number	Part No.	List Price		
Fan					1310 rpm	
<b>Ø 630</b>						
ALN-94	£4,932	2	020706	£1,087	28000	197
ALN-107	£5,345	2	020706	£1,087	27000	214
ALN-121	£6,176	2	020706	£1,087	25500	248
ALN-140	£6,930	3	020706	£1,087	42000	285
ALN-160	£7,646	3	020706	£1,087	40500	312
ALN-181	£8,812	3	020706	£1,087	38250	363
ALN-210	£10,328	4	020706	£1,087	51600	465
ALN-230	£12,153	4	020706	£1,087	49200	563
<b>Ø 800</b>						
ALN-123	£6,522	2	020710	£1,397	38400	307
ALN-137	£7,151	2	020710	£1,397	36200	341
ALN-185	£9,275	3	020710	£1,397	57600	449
ALN-206	£10,221	3	020710	£1,397	54300	500
ALN-247	£11,542	4	020710	£1,397	76800	589
ALN-274	£12,944	4	020710	£1,397	72400	659
ALN-309	£14,270	5	020710	£1,397	96000	749
ALN-343	£15,825	5	020710	£1,397	90500	818
ALN-380	£17,039	6	020710	£1,397	118800	915
ALN-424	£18,997	6	020710	£1,397	111600	1,024
ALN-506	£21,872	8	020710	£1,397	158400	1,208
ALN-566	£24,680	8	020710	£1,397	148800	1,351
ALN-638	£29,544	8	020710	£1,397	140800	1,639

**ALN Series** are liquid / dry coolers with axial and nominal capacities between 34.5 and 548 kW and 2.1mm fin spacing. Coil is built with a combination of copper tube and aluminium fins specially designed for condensation that provides an optimized coefficient of heat exchange.

Supported casing by means of a "floating" system avoids any kind of contact between the copper tubes and supporting end plates, assuring a long life for the condenser without leaks. External rotor axial fans, three phase motors 400V 50Hz two speed.

**Position options can be V: vertical or H: horizontal. Please specify when ordering.**

**Notes:** Further details are available in the Frimetal technical catalogue



Model	List Price	Fans			Air Flow (m³/hr) 850 rpm	Weight (Kg)
		Number	Part No.	List Price		
<b>Ø 630</b>						
ALS-51	£4,932	2	020704	£900	18000	181
ALS-58	£5,345	2	020704	£900	17100	198
ALS-61	£6,176	2	020704	£900	15700	232
ALS-77	£6,930	3	020704	£900	27000	261
ALS-86	£7,646	3	020704	£900	25650	288
ALS-92	£8,812	3	020704	£900	23550	339
ALS-113	£10,328	4	020704	£900	30900	432
ALS-120	£12,153	4	020704	£900	27350	482
<b>Ø 800</b>						
ALS-73	£6,522	2	020709	£1,397	15890	296
ALS-78	£7,151	2	020709	£1,397	14700	330
ALS-110	£9,275	3	020709	£1,397	23835	432
ALS-117	£10,221	3	020709	£1,397	22050	488
ALS-146	£11,542	4	020709	£1,397	31780	567
ALS-156	£12,944	4	020709	£1,397	29400	636
ALS-183	£14,270	5	020709	£1,397	39725	704
ALS-195	£15,825	5	020709	£1,397	36750	790
ALS-226	£17,039	6	020709	£1,397	48660	881
ALS-243	£18,997	6	020709	£1,397	45150	990
ALS-301	£21,872	8	020709	£1,397	64880	1,163
ALS-324	£24,680	8	020709	£1,397	60200	1,306
ALS-350	£29,544	8	020709	£1,397	53550	1,593

**ALS Series** are silent liquid / dry coolers with axial and nominal capacities between 34.5 and 548 kW and 2.1mm fin spacing.

Coil is built with a combination of copper tube and aluminium fins specially designed for condensation that provides an optimized coefficient of heat exchange.

Supported casing by means of a "floating" system avoids any kind of contact between the copper tubes and supporting end plates, assuring a long life for the condenser without leaks. External rotor axial fans, three phase motors 400V 50Hz two speed.

**Position options can be V: vertical or H: horizontal. Please specify when ordering.**

**Notes:** Further details are available in the Frimetel technical catalogue which can be downloaded from our website.



**VL Range**
**Fin Spacing 2.1 mm**
**Axial Fans Liquid Coolers**
**VLN**
**R-404A**

Model	List Price	Fans			Air Flow (m³/hr)	Weight (Kg)
		Number	Part No.	List Price		
Fan					1000rpm	
Ø 800						
VLN-154	£7,491	2	020710	£1,397	43600	342
VLN-172	£8,389	2	020710	£1,397	42000	388
VLN-231	£10,724	3	020710	£1,397	65400	495
VLN-258	£12,111	3	020710	£1,397	63000	571
VLN-276	£13,398	4	020710	£1,397	80800	720
VLN-307	£13,837	4	020710	£1,397	87200	658
VLN-308	£14,843	4	020710	£1,397	77200	770
VLN-344	£15,474	4	020710	£1,397	84000	760
VLN-385	£16,831	5	020710	£1,397	109000	811
VLN-430	£19,059	5	020710	£1,397	105000	938
VLN-413	£18,876	6	020710	£1,397	121200	1,020
VLN-461	£19,819	6	020710	£1,397	130800	974
VLN-463	£21,186	6	020710	£1,397	115800	1,100
VLN-515	£22,469	6	020710	£1,397	126000	1,127
VLN-551	£25,403	8	020710	£1,397	161600	1,330
VLN-617	£27,765	8	020710	£1,397	154400	1,430
VLN-689	£30,943	10	020710	£1,397	202000	1,630
VLN-771	£34,424	10	020710	£1,397	193000	1,760
VLN-827	£36,465	12	020710	£1,397	242400	1,930
VLN-925	£40,579	12	020710	£1,397	231600	2,090

**VLN Series** are liquid / dry coolers with axial fans of diameter Ø800 mm and coils forming a "V". Nominal capacities are between 57.4 and 706 kW. Coil is built with a combination of copper tube and aluminium fins specially designed for condensation that provides an optimized coefficient of heat exchange.

Supported casing by means of a "floating" system avoids any kind of contact between the copper tubes and supporting end plates, assuring a long life for the condenser without leaks. External rotor axial fans, three phase motors 400V 50Hz two speed. Option available with connection flanges.

**Notes:** Further details are available in the Frimetel technical catalogue which can be downloaded from our website.





Model	List Price	Fans			Air Flow (m³/hr)	Weight (Kg)
		Number	Part No.	List Price		
Fan					1000rpm	
Ø 800						
VLS-89	£7,491	2	020709	£1,397	18000	332
VLS-95	£8,389	2	020709	£1,397	17000	377
VLS-134	£10,724	3	020709	£1,397	27000	480
VLS-143	£12,111	3	020709	£1,397	25500	556
VLS-162	£13,398	4	020709	£1,397	33400	700
VLS-174	£14,843	4	020709	£1,397	31200	750
VLS-178	£13,837	4	020709	£1,397	36000	638
VLS-191	£15,474	4	020709	£1,397	34000	740
VLS-223	£16,830	5	020709	£1,397	45000	785
VLS-239	£19,059	5	020709	£1,397	42500	913
VLS-244	£18,876	6	020709	£1,397	50100	990
VLS-262	£21,186	6	020709	£1,397	46800	1,070
VLS-267	£19,819	6	020709	£1,397	54000	944
VLS-286	£22,469	6	020709	£1,397	51000	1,097
VLS-325	£25,403	8	020709	£1,397	66800	1,290
VLS-349	£27,765	8	020709	£1,397	62400	1,390
VLS-406	£30,943	10	020709	£1,397	83500	1,580
VLS-436	£34,424	10	020709	£1,397	78000	1,710
VLS-487	£36,465	12	020709	£1,397	100200	1,870
VLS-523	£40,579	12	020709	£1,397	93600	2,030

**VLS Series** are silent liquid / dry coolers with axial fans of diameter Ø800 mm and coils forming a "v". Nominal capacities are between 57.4 and 706 kW.

Coil is built with a combination of copper tube and aluminium fins specially designed for condensation that provides an optimized coefficient of heat exchange.

Supported casing by means of a "floating" system avoids any kind of contact between the copper tubes and supporting end plates, assuring a long life for the condenser without leaks. External rotor axial fans, three phase motors 400V 50Hz two speed. Option available with connection flanges.

**Notes:** Further details are available in the Frimetel technical catalogue which can be downloaded from our website.





## ALE Range

Fin Spacing 2.1 mm

Model	List Price	Fans			Air Flow (m³/hr)	Weight (Kg)
		Number	Part No.	List Price		
Fan					1025 rpm	
Ø 800						
			New Model			
ALE-77	£6,161	1	EC.80.T.VR1	£2,496	22400	203
ALE-87	£6,641	1	EC.80.T.VR1	£2,496	21350	221
ALE-152	£10,718	2	EC.80.T.VR1	£2,496	44800	354
ALE-173	£11,616	2	EC.80.T.VR1	£2,496	42700	389
ALE-228	£15,343	3	EC.80.T.VR1	£2,496	67200	514
ALE-259	£16,663	3	EC.80.T.VR1	£2,496	64050	567
ALE-304	£20,005	4	EC.80.T.VR1	£2,496	89600	660
ALE-345	£21,771	4	EC.80.T.VR1	£2,496	85400	742
ALE-389	£27,012	6	EC.80.T.VR1	£2,496	122400	857
ALE-443	£29,378	6	EC.80.T.VR1	£2,496	115200	950
ALE-518	£35,524	8	EC.80.T.VR1	£2,496	163200	1,120
ALE-591	£38,314	8	EC.80.T.VR1	£2,496	153600	1,230
ALE-661	£43,652	8	EC.80.T.VR1	£2,496	139200	1,467

## Liquid Coolers with Electronic EC Axial Fans

**ALE Series** are liquid coolers with electronic EC axial fans with nominal capacities between 34 and 340 kW

Coil is built with a combination of copper tube and aluminium fins specially designed for condensation that provides an optimized coefficient of heat exchange. Axial fan motors are EC type and electronically communicated with IP-54 protection, three phase connection from 380 to 480V adn 50/60Hz.

Programmable speed control through a DC inlet of 0-10V or 4-20mA.

Supported casing by means of a "floating" system avoids any kind of contact between the copper tubes and supporting end plates, assuring a long life for the condenser without leaks.

Options include three phase AC fan motors in both normal or silent and available with connection flanges.

**Position options can be V: vertical or H: horizontal. Please specify when ordering.**

**Notes:** Further details are available in the Frimetel technical catalogue which can be downloaded from our website.



## VLE Range

Fin Spacing 2.1 mm

## Electronic EC Axial Fans Liquid Coolers

Model	List Price	Fans			Air Flow (m³/hr)	Weight (Kg)
		Number	Part No.	List Price		
Fan					1025 rpm	
<b>Ø 800</b>			<b>New Model</b>			
VLE-164	£10,979	2	EC.80.T.VR1	£2,496	45600	396
VLE-187	£11,939	2	EC.80.T.VR1	£2,496	43700	434
VLE-246	£16,157	3	EC.80.T.VR1	£2,496	68400	565
VLE-280	£17,646	3	EC.80.T.VR1	£2,496	65550	621
VLE-328	£20,582	4	EC.80.T.VR1	£2,496	91200	725
VLE-373	£22,396	4	EC.80.T.VR1	£2,496	87400	801
VLE-410	£25,371	5	EC.80.T.VR1	£2,496	114000	886
VLE-466	£27,829	5	EC.80.T.VR1	£2,496	109250	990
<b>Ø 800</b>			<b>New Model</b>			
VLE-294	£19,756	4	EC.80.T.VR1	£2,496	86000	767
VLE-335	£21,364	4	EC.80.T.VR1	£2,496	81500	830
VLE-441	£29,130	6	EC.80.T.VR1	£2,496	129000	1,093
VLE-502	£31,569	6	EC.80.T.VR1	£2,496	122250	1,187
VLE-588	£38,149	8	EC.80.T.VR1	£2,496	172000	1,401
VLE-670	£41,193	8	EC.80.T.VR1	£2,496	163000	1,550
VLE-735	£47,179	10	EC.80.T.VR1	£2,496	215000	1,738
VLE-837	£51,082	10	EC.80.T.VR1	£2,496	203750	1,894
<b>Ø 910</b>			<b>New Model</b>			
VLE-211	£12,285	2	EC.91.T.VR1	£3,168	59700	454
VLE-240	£13,519	2	EC.91.T.VR1	£3,168	57000	512
VLE-316	£18,145	3	EC.91.T.VR1	£3,168	89550	651
VLE-360	£20,017	3	EC.91.T.VR1	£3,168	85500	722
VLE-422	£23,136	4	EC.91.T.VR1	£3,168	119400	850
VLE-480	£25,450	4	EC.91.T.VR1	£3,168	114000	944
VLE-527	£28,698	5	EC.91.T.VR1	£3,168	149250	1,038
VLE-599	£31,717	5	EC.91.T.VR1	£3,168	142500	1,155
<b>Ø 910</b>			<b>New Model</b>			
VLE-401	£22,970	4	EC.91.T.VR1	£3,168	116060	948
VLE-457	£25,328	4	EC.91.T.VR1	£3,168	110400	1,048
VLE-601	£34,140	6	EC.91.T.VR1	£3,168	174090	1,356
VLE-686	£37,452	6	EC.91.T.VR1	£3,168	165600	1,511
VLE-801	£44,526	8	EC.91.T.VR1	£3,168	232120	1,782
VLE-914	£48,842	8	EC.91.T.VR1	£3,168	220800	1,954

**VLE Series** are liquid coolers with electronic EC axial fans and coils froming a "v". Nominal capacities are between 70 and 405 kW. Coil is built with a combination of copper tube and aluminium fins specially designed for condensation that provides an optimized coefficient of heat exchange. Axial fan motors are EC type and electronically communicated with IP-54 protection, three phase connection from 380 to 480V adn 50/60Hz. Programmable speed control through a DC inlet of 0-10V or 4-20mA. Supported casing by means of a "floating" system avoids any kind of contact between the copper tubes and supporting end plates, assuring a long life for the condenser without leaks. Option available with connection flanges.

**Notes:** Further details are available in the Frimetal technical catalogue which can be downloaded from our website.



## Spare Parts



MQ.M4.10 E Ø 230



MQ.M4.5 Ø 150  
MQ.M4.10 Ø 230



M2.30.M4.VH Ø 300  
M2.30.M6.VH Ø 300  
M1.40.M4.VH Ø 400  
M1.40.M6.VH Ø 400



M2.35.M4.AH Ø 350



M2.25.M4.VR Ø 250  
M2.25.M4.AR Ø 250  
M1.30.M4.VR Ø 300  
M1.30.M4.AR Ø 300  
M2.30.M6.AR Ø 300  
M2.35.M4.VR Ø 350  
M1.40.M4.VR Ø 400  
M1.40.M4.AR Ø 400  
M1.40.M6.AR Ø 400



MB.40.T4.VR2 Ø 400  
MB.45.T4.VR2 Ø 450  
MB.40.T8.VR2 Ø 450  
ME.50.T4.VR2 Ø 500  
ME.50.T4.AR2 Ø 500  
MC.56.T4.VR2 Ø 560  
MC.56.T8.VR2 Ø 560  
MC.63.T4.AR2 Ø 630  
MC.63.T6.VR2 Ø 630



ME.50.T4.VR1 Ø 500  
MB.50.T4.VR1 Ø 500  
MB.50.T8.VR1 Ø 500  
MC.63.T4.VR1 Ø 630  
MB.63.T8.VR1 Ø 630  
ME.80.T6.VR1 Ø 800  
ME.80.T12.VR1 Ø 800  
ME.10.T10.VR1 Ø 1000  
ME.10.T12.VR1 Ø 1000



MT.71.T4.VR1 Ø 710  
MT.71.T4.AR1 Ø 710

All technical information is given to the best of our knowledge and is subject to change by the manufacturers.

Fans shown in the price list are for current models. For older models please give us the full Frimetel evaporator or condenser model and serial number, plus the model number of the fan and the blade diameter. The illustrations above are intended to assist.

Where fans are not available for old models, they can be replaced with new versions either directly or by drilling new holes in the front plate.



**Our full range of products include:**

<b>BKW</b>	Spares
<b>CAEN</b>	Industrial Valves
<b>Carly</b>	Line Components
<b>Frimetal</b>	Condensers and Evaporators
<b>GEA-Bock</b>	Compressors and Condensing Units
<b>Siccom</b>	Condensate Pumps
<b>Yellow Jacket</b>	Recovery Equipment and Tools

Wide range of ancillary equipment, hermetic compressors and tools from ITE, Rothenberger and others

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### **TERMS AND CONDITIONS**

## Prices

Unless otherwise specifically agreed all goods are sold at the price currently quoted by us on the day of despatch. Any price alteration to those currently shown in our Price Lists may be done so without prior notice. Prices shown do not include VAT or carriage.

## Payment

Unless otherwise agreed, all goods are to be paid for by cash, cheque, debit card or credit card with order. Minimum purchase on debit or credit cards is £25.00.

## Credit

- a. Where credit is granted, payment shall be **30 days**, from date of invoice and must be strictly observed.
- b. We reserve the right to charge interest at the rate of 2% per month compound on all accounts in arrears and withhold credit facilities.

## Carriage and Packing

- a. All costs of carriage and packing are chargeable unless otherwise stated.
- b. Any damage in transit must be notified in writing within 3 days of receipt.

## Delivery

Whilst every effort is made to adhere to delivery times stated, liability for delay however caused and for loss howsoever arising therefrom is hereby excluded.

## Cancellations

Orders or part orders cannot be cancelled without prior agreement and written consent of the vendor. Returned material must be in new and unused condition and in the original packaging. A cancellation fee of 20% of the order value may be applied subject to our discretion when raising a credit for returned or cancelled items. Special orders cannot be cancelled nor can such items be returns.

## Exclusions

All liability of whatsoever nature in respect of any loss whatsoever howsoever caused arising out of or in respect of or in connection with the sale of any goods is hereby excluded. This in no way prejudices the purchaser's right under current legislation.

## Amendment

No employee or agent save for a Director has any authority to vary the terms of these conditions of trading whether by addition, subtraction, amendment, or by any other means whatsoever.

## Returns

No goods will be accepted back without prior agreement or without a covering letter stating reason for return.

## 10 Retention of Title

The goods supplied, unless otherwise agreed, remain the property of the vendor until all debts owing to the vendor or to be created in the future and arising out of any business transaction with the purchaser have been paid. In the event of bankruptcy or insolvency of the purchaser, the title of the goods shall remain with the vendor until all outstanding debts owed by the purchaser to the vendor have been discharged. Upon the happening of such an event the vendor shall have the right to enter upon the premises of the purchaser for the purpose of re-possessing any goods which he has supplied, and remove them at the purchaser's expense whether or not the goods have been mixed. Notwithstanding the foregoing, the goods shall be at the purchaser's risk on delivery.

## 11 Warranty

- a. The vendor warrants to the original buyer in respect of goods supplied by the vendor that as from the date of supply/invoice for a period of twelve months the vendor will replace or repair free of charge any part of or parts thereof proved to its satisfaction to be defective owing to faults in workmanship or materials. All labour, travel and carriage costs involved in effecting such replacement or repair will be borne by the buyer.
- b. The vendor reserves the right to supply and charge for goods pending the outcome of any manufacturer's investigations into the validity of a warranty claim.
- c. Any item returned under warranty must be accompanied by a copy of our invoice and a full description of the goods along with the reason for return. Description "faulty" will not be accepted.
- d. Warranties
  - i. Any defect which in the opinion of the vendor has arisen due to misuse, misapplication, neglect, accident, fair wear and tear, improper application, installation, servicing or repair, or alteration in any way not recommended by the manufacturer.
  - ii. Any goods installed outside the UK.
  - iii. Any defect not notified to the vendor by the buyer in writing within 7 days of it coming to or of when it should have come to the buyer's notice.
  - iv. Any goods which have not been paid in full.

## 12 Applicable Law

For the purpose of resolving any dispute arising out of a sale, the contract shall be governed by English Law.