

Pendle^o

Refrigeration Wholesale Limited

Price List 2015



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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)
						Nr		
Designation:		E	E+	W	HG			
Fan	List Price	List Price	List Price	List Price	List Price			
Ø 300								
FRM 148	£813	£937	£1,202	£939	£976	1	12	23
FRM-165	£890	£1,013	£1,278	£1,020	£1,054	1	12	24
FRM-235	£1,007	£1,160	£1,506	£1,145	£1,171	1	11	28
FRM-270	£1,249	£1,401	£1,743	£1,496	£1,462	2	14	38
FRM-310	£1,366	£1,516	£1,860	£1,622	£1,578	2	14	41
FRM-445	£1,564	£1,754	£2,202	£1,835	£1,776	2	13	48
FRM-500	£1,838	£2,019	£2,437	£2,220	£2,107	3	14	58
FRM-575	£2,148	£2,376	£2,927	£2,554	£2,417	3	14	69
Ø 400								
FRM-590	£2,373	£2,576	£3,065	£2,643	£2,614	2	14	71
FRM-840	£2,737	£3,019	£3,646	£3,025	£2,976	2	14	84
FRM-960	£3,276	£3,521	£4,125	£3,689	£3,582	3	15	102
FRM-1145	£3,847	£4,181	£4,949	£4,287	£4,153	3	15	120
Ø 500								
FRM-850	£2,674	£2,974	£3,630	£2,848	£2,958	1	17	89
FRM-950	£2,989	£3,362	£4,221	£3,172	£3,273	1	16	99
FRM-1290	£4,247	£4,614	£5,444	£4,638	£4,623	2	19	142
FRM-1780	£4,831	£5,291	£6,386	£5,239	£5,207	2	18	159
FRM-2430	£6,013	£6,461	£7,502	£6,559	£6,501	3	21	201
FRM-2750	£6,719	£7,280	£8,650	£7,291	£7,207	3	20	227
Ø 630								
FRM-2590	£6,467	£6,969	£8,176	£6,874	£6,892	2	32	224
FRM-3500	£7,258	£7,894	£9,423	£7,684	£7,683	2	31	251
FRM-4490	£9,101	£9,747	£11,325	£9,672	£9,661	3	33	322
FRM-4800	£10,242	£11,059	£13,055	£10,841	£10,802	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)
						Nr		
Designation:		E	E+	W	HG			
Fan	List Price	List Price	List Price	List Price	List Price			
Ø 300								
FRB-94	£809	£932	£1,197	£935	£973	1	12	23
FRB-110	£881	£1,004	£1,269	£1,011	£1,045	1	12	24
FRB-154	£998	£1,151	£1,497	£1,136	£1,162	1	11	28
FRB-175	£1,236	£1,388	£1,729	£1,482	£1,448	2	14	38
FRB-225	£1,353	£1,505	£1,846	£1,609	£1,565	2	14	41
FRB-297	£1,542	£1,731	£2,180	£1,813	£1,754	2	13	48
FRB-350	£1,816	£1,996	£2,414	£2,198	£2,084	3	14	58
FRB-435	£2,112	£2,340	£2,891	£2,518	£2,381	3	14	69
Ø 400								
FRB-445	£2,346	£2,549	£3,038	£2,616	£2,587	2	14	71
FRB-510	£2,697	£2,979	£3,605	£2,984	£2,937	2	14	84
FRB-580	£3,236	£3,480	£4,084	£3,648	£3,541	3	15	102
FRB-820	£3,784	£4,118	£4,886	£4,224	£4,090	3	15	120
Ø 500								
FRB-560	£2,643	£2,943	£3,599	£2,816	£2,927	1	17	89
FRB-650	£2,948	£3,321	£4,181	£3,132	£3,232	1	16	99
FRB-1050	£4,193	£4,560	£4,390	£4,584	£4,569	2	19	142
FRB-1450	£4,759	£5,219	£6,314	£5,168	£5,135	2	18	159
FRB-1730	£5,937	£6,385	£7,425	£6,483	£6,425	3	21	201
FRB-2250	£6,611	£7,172	£8,542	£7,183	£7,099	3	20	227
Ø 630								
FRB-2160	£6,382	£6,883	£8,091	£6,789	£6,807	2	32	224
FRB-2650	£7,141	£7,777	£9,306	£7,567	£7,567	2	31	251
FRB-3450	£8,975	£9,621	£11,199	£9,546	£9,535	3	33	322
FRB-3900	£10,072	£10,888	£12,884	£10,670	£10,632	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)
						Nr		
Designation:		E	E+	W	HG			
Fan	List Price	List Price	List Price	List Price	List Price			
Ø 300								
FRL-85	£804	£928	£1,193	£969	£969	1	12	23
FRL-100	£876	£1,000	£1,265	£1,007	£1,041	1	12	24
FRL-135	£989	£1,142	£1,488	£1,127	£1,153	1	11	28
FRL-160	£1,231	£1,383	£1,725	£1,478	£1,444	2	14	38
FRL-195	£1,344	£1,496	£1,837	£1,600	£1,556	2	14	41
FRL-275	£1,528	£1,718	£2,166	£1,800	£1,740	2	13	48
FRL-330	£1,802	£1,983	£2,401	£2,184	£2,071	3	14	58
FRL-420	£2,094	£2,322	£2,873	£2,500	£2,363	3	14	69
Ø 400								
FRL-425	£2,328	£2,531	£3,020	£2,598	£2,569	2	14	71
FRL-500	£2,674	£2,956	£35,883	£2,962	£2,915	2	14	84
FRL-550	£3,213	£3,458	£4,062	£3,626	£3,519	3	15	102
FRL-710	£3,753	£4,086	£4,855	£4,192	£4,058	3	15	120
Ø 500								
FRL-540	£2,620	£2,920	£3,577	£2,794	£2,904	1	17	89
FRL-600	£2,917	£3,290	£4,149	£3,100	£3,201	1	16	99
FRL-865	£4,157	£4,524	£5,354	£4,548	£4,533	2	19	142
FRL-1160	£4,710	£5,169	£6,265	£5,118	£5,086	2	18	159
FRL-1590	£5,879	£6,326	£7,367	£6,424	£6,367	3	21	201
FRL-1950	£6,535	£7,096	£8,465	£7,106	£7,023	3	20	227
Ø 630								
FRL-1795	£6,319	£6,821	£8,028	£6,726	£6,744	2	32	224
FRL-2340	£7,056	£7,696	£9,225	£7,487	£7,486	2	31	251
FRL-2960	£8,881	£9,527	£11,104	£9,451	£9,441	3	33	322
FRL-3850	£9,950	£10,767	£12,763	£10,549	£10,510	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

Cubic Evaporators - Ceiling Mounted

FRM - Stainless Steel - Fin Spacing 4.2 mm

Model	Standard	E	E+	W	HG
Fan	List Price	List Price	List Price	List Price	List Price
Ø 300					
FRM 148	£899	£1,022	£1,287	£1,025	£1,207
FRM-165	£1,061	£1,184	£1,449	£1,191	£1,369
FRM-235	£1,465	£1,618	£1,964	£1,604	£1,773
FRM-270	£1,546	£1,698	£2,040	£1,792	£1,887
FRM-310	£1,703	£1,855	£2,197	£1,960	£2,044
FRM-445	£2,067	£2,257	£2,706	£2,339	£2,408
FRM-500	£2,279	£2,459	£2,877	£2,661	£2,655
FRM-575	£3,510	£3,737	£4,288	£3,915	£3,887
Ø 400					
FRM-590	£2,885	£3,088	£3,577	£3,155	£3,244
FRM-840	£3,461	£3,743	£4,369	£3,748	£3,819
FRM-960	£3,968	£4,213	£4,817	£4,381	£4,369
FRM-1145	£4,620	£4,954	£5,722	£5,060	£5,021
Ø 500					
FRM-850	£3,739	£4,039	£4,696	£3,913	£4,110
FRM-950	£4,418	£4,791	£5,650	£4,601	£4,789
FRM-1290	£5,501	£5,868	£6,698	£5,892	£5,948
FRM-1780	£6,319	£6,778	£7,874	£6,727	£6,766
FRM-2430	£7,618	£8,065	£9,106	£8,163	£8,163
FRM-2750	£9,016	£9,576	£10,946	£9,587	£9,560

FRB - Stainless Steel - Fin Spacing 7 mm

Model	Standard	E	E+	W	HG
Fan	List Price	List Price	List Price	List Price	List Price
Ø 300					
FRB-94	£894	£1,018	£1,283	£1,020	£1,203
FRB-110	£1,052	£1,175	£1,440	£1,182	£1,360
FRB-154	£1,452	£1,604	£1,951	£1,590	£1,760
FRB-175	£1,537	£1,689	£2,031	£1,783	£1,878
FRB-225	£1,690	£1,842	£2,183	£1,946	£2,031
FRB-297	£2,045	£2,235	£2,683	£2,316	£2,386
FRB-350	£2,256	£2,437	£2,855	£2,638	£2,633
FRB-435	£3,474	£3,701	£4,252	£3,879	£3,851
Ø 400					
FRB-445	£2,858	£3,062	£3,550	£3,128	£3,217
FRB-510	£3,420	£3,702	£4,329	£3,708	£3,779
FRB-580	£3,928	£4,172	£4,777	£4,341	£4,328
FRB-820	£4,562	£4,895	£5,664	£5,001	£4,963
Ø 500					
FRB-560	£3,694	£3,995	£4,651	£3,868	£4,066
FRB-650	£4,359	£4,732	£5,592	£4,543	£4,731
FRB-1050	£5,425	£5,791	£6,622	£5,816	£5,871
FRB-1450	£6,220	£6,679	£7,775	£6,628	£6,667
FRB-1730	£7,505	£7,953	£8,994	£8,051	£8,050
FRB-2160	£8,867	£9,428	£10,798	£9,439	£9,412

FRL RANGE - Stainless Steel - 9 mm Fin Spacing

Model	Standard	E	E+	W	HG
Fan	List Price	List Price	List Price	List Price	List Price
Ø 300					
FRL-85	£890	£1,013	£1,278	£1,016	£1,198
FRL-100	£1,047	£1,170	£1,435	£1,178	£1,355
FRL-135	£1,447	£1,600	£1,946	£1,586	£1,755
FRL-160	£1,528	£1,680	£2,022	£1,774	£1,869
FRL-195	£1,681	£1,833	£2,174	£1,937	£2,022
FRL-275	£2,031	£2,221	£2,670	£2,303	£2,372
FRL-330	£2,243	£2,423	£2,841	£2,625	£2,619
FRL-420	£3,456	£3,684	£4,235	£3,861	£3,833

Model	Standard	E	E+	W	HG
Fan	List Price	List Price	List Price	List Price	List Price
Ø 400					
FRL-425	£2,840	£3,044	£3,533	£3,110	£3,199
FRL-500	£3,398	£3,680	£4,306	£3,685	£3,766
FRL-550	£3,906	£4,150	£4,754	£4,318	£4,306
FRL-710					
Ø 500					
FRL-540	£3,667	£3,968	£4,624	£3,841	£4,039
FRL-600	£4,324	£4,697	£5,556	£4,507	£4,695
FRL-865	£5,384	£5,751	£6,581	£5,775	£5,831
FRL-1160	£6,166	£6,625	£7,721	£6,574	£6,613
FRL-1590	£7,447	£7,895	£8,936	£7,993	£7,992
FRL-1795	£8,786	£9,347	£10,717	£9,358	£9,331

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
Ø 300	Ø 300	Ø 300								
FRM-148	FRB-94	FRL-85	1	020820	£204	2	1	020621	RS 55	£40
FRM-165	FRB-110	FRL-100	1	020820	£204	2	1	020621	RS 55	£40
FRM-235	FRB-154	FRL-135	1	020820	£204	3	1	020621	RS 55	£40
FRM-270	FRB-175	FRL-160	2	020820	£204	2	1	020639	RS 110	£55
FRM-310	FRB-225	FRL-195	2	020820	£204	2	1	020639	RS 110	£55
FRM-445	FRB-297	FRL-275	2	020820	£204	3	1	020639	RS 110	£55
FRM-500	FRB-350	FRL-330	3	020820	£204	2	1	020626	RS 170	£62
FRM-575	FRB-435	FRL-420	3	020820	£204	3	1	020626	RS 170	£62
Ø 400	Ø 400	Ø 400		New Model						
FRM-590	FRB-445	FRL-425	2	M4.40.M4.VR	£351	3	1	020625	RS 140	£55
FRM-840	FRB-510	FRL-500	2	M4.40.M4.VR	£351	4	1	020625	RS 140	£55
FRM-960	FRB-580	FRL-550	3	M4.40.M4.VR	£351	3	1	020628	RS 210	£70
FRM-1145	FRB-820	FRL-710	3	M4.40.M4.VR	£351	4	1	020628	RS 210	£70
Ø 500	Ø 500	Ø 500								
FRM-850	FRB-560	FRL-540	1	020860	£595	4	2	020624	RS 100	£49
FRM-950	FRB-650	FRL-600	1	020860	£595	6	2	020624	RS 100	£49
FRM-1290	FRB-1050	FRL-865	2	020860	£595	4	2	020626	RS 170	£62
FRM-1780	FRB-1450	FRL-1160	2	020860	£595	6	2	020626	RS 170	£62
FRM-2430	FRB-1730	FRL-1590	3	020860	£595	4	2	020629	RS 255	£79
FRM-2750	FRB-2250	FRL-1950	3	020860	£595	6	2	020629	RS 255	£79
Ø 630	Ø 630	Ø 630								
FRM-2590	FRB-2160	FRL-1795	2	020706	£949	6	2	020627	RS 200	£70
FRM-3500	FRB-2650	FRL-2340	2	020706	£949	8	2	020627	RS 200	£70
FRM-4490	FRB-3450	FRL-2960	3	020706	£949	6	2	020630	RS 300	£96
FRM-4800	FRB-3900	FRL-3850	3	020706	£949	8	2	020630	RS 300	£96

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

GR RANGE Industrial Ceiling Mounted Unit Evaporators

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
Ø 630						
GRM-2450	£7,492	£8,213	£7,930	£9,496	£7,939	£8,034
GRM-2600	£8,665	£9,544	£9,155	£11,281	£9,134	£9,207
GRM-3900	£10,768	£11,712	£11,326	£13,402	£11,468	£11,495
GRM-4600	£12,431	£13,588	£13,060	£15,885	£13,164	£13,157
GRM-4900	£13,928	£15,080	£14,598	£17,153	£14,809	£14,830
GRM-5500	£15,955	£17,370	£16,713	£20,194	£16,881	£16,857
GRM-6300	£16,876	£18,144	£17,610	£20,463	£17,939	£17,954
GRM-7500	£19,429	£20,987	£20,258	£24,149	£20,548	£20,507
Ø 800						
GRM-4750	£14,979	£14,136	£13,609	£16,433	£13,589	£13,850
GRM-6350	£17,505	£18,921	£18,264	£21,744	£18,309	£18,590
GRM-7400	£19,869	£21,549	£20,804	£25,123	£20,711	£20,954
GRM-8500	£24,274	£26,122	£25,297	£30,127	£25,319	£25,574

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
Ø 630						
GRB-1740	£7,141	£7,862	£7,579	£9,146	£7,588	£7,683
GRB-2300	£8,211	£9,090	£8,701	£10,827	£8,680	£8,753
GRB-3300	£10,247	£11,191	£10,805	£12,881	£10,946	£10,973
GRB-3850	£11,766	£12,923	£12,395	£15,219	£12,499	£12,492
GRB-4650	£13,240	£14,393	£13,911	£16,465	£14,121	£14,143
GRB-5200	£15,069	£16,485	£15,828	£19,308	£15,995	£15,972
GRB-5400	£16,027	£17,295	£16,760	£19,614	£17,090	£17,104
GRB-6500	£18,332	£19,891	£19,162	£25,052	£19,451	£19,410
Ø 800						
GRB-4000	£12,180	£13,336	£12,809	£15,633	£12,789	£13,050
GRB-5450	£16,440	£17,856	£17,199	£20,679	£17,244	£17,525
GRB-6450	£18,561	£20,241	£19,496	£23,815	£19,403	£19,646
GRB-8100	£22,647	£24,495	£23,670	£28,500	£23,692	£23,947

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 oleyester 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



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
Ø 630						
GRL-1600	£6,921	£7,642	£7,359	£8,926	£7,368	£7,463
GRL-1830	£7,937	£8,816	£8,427	£10,553	£8,406	£8,479
GRL-2600	£9,923	£10,867	£10,482	£12,557	£10,623	£10,650
GRL-3450	£11,357	£12,514	£11,986	£14,810	£12,090	£12,083
GRL-4100	£12,813	£13,966	£13,484	£16,038	£13,694	£13,716
GRL-5000	£14,539	£15,955	£15,298	£18,778	£15,465	£15,441
GRL-5150	£15,501	£16,769	£16,234	£19,088	£16,564	£16,579
GRL-6000	£17,676	£19,235	£18,506	£22,396	£18,795	£18,754
Ø 800						
GRL-3600	£11,726	£12,882	£12,355	£15,179	£12,335	£12,596
GRL-5350	£15,829	£17,245	£16,588	£20,068	£16,632	£16,914
GRL-6050	£17,829	£19,509	£18,764	£23,083	£18,670	£18,914
GRL-7700	£21,734	£23,582	£22,757	£27,588	£22,780	£23,035

GR Range of industrial unit coolers, nominal capacities between 31.8 and 155 Kw. Copper tubes.
GRL for low temperature rooks 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.

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
Ø 630						
GRX-1550	£6,773	£7,494	£7,211	£8,777	£7,220	£7,315
GRX-1790	£7,748	£8,627	£8,238	£10,364	£8,217	£8,290
GRX-2350	£9,703	£10,647	£10,261	£12,337	£10,402	£10,429
GRX-2950	£11,074	£12,231	£11,703	£14,527	£11,806	£11,800
GRX-3350	£12,526	£13,678	£13,196	£15,751	£13,406	£13,428
GRX-4550	£14,175	£15,591	£14,934	£18,414	£15,101	£15,077
GRX-4700	£15,141	£16,410	£15,875	£18,729	£16,205	£16,219
GRX-5800	£17,222	£18,781	£18,052	£21,942	£18,341	£18,300
Ø 800						
GRX-3000	£11,406	£12,563	£12,036	£14,860	£12,016	£12,277
GRX-5100	£15,402	£16,818	£16,161	£19,641	£16,205	£16,487
GRX-5850	£17,312	£18,992	£18,247	£22,566	£18,153	£18,397
GRX-7250	£21,096	£22,944	£22,119	£26,950	£22,142	£22,397



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
Ø 630										
GRM-2450	2	020706	£949	33	304	4	7	020640	RS 220	£74
GRM-2600	2	020706	£949	32	345	4	10	020640	RS 220	£74
GRM-3900	3	020706	£949	34	436	4	7	020641	RS 330	£101
GRM-4600	3	020706	£949	33	497	4	10	020641	RS 330	£101
GRM-4900	4	020706	£949	35	567	4	7	020643	RS 440	£130
GRM-5500	4	020706	£949	34	649	4	10	020643	RS 440	£130
GRM-6300	5	020706	£949	36	699	4	7	020647	RS 550	£142
GRM-7500	5	020706	£949	35	801	4	10	020647	RS 550	£142
Ø 800										
GRM-4750	2	020706	£949	28	573	4	10	020641	RS 330	£101
GRM-6350	3	020706	£949	29	760	4	10	020643	RS 440	£130
GRM-7400	3	020706	£949	29	858	4	13	020643	RS 440	£130
GRM-8500	4	020706	£949	30	1070	4	13	020647	RS 550	£142
Ø 630										
GRB-1740	2	020706	£949	34	304	4	7	020640	RS 220	£74
GRB-2300	2	020706	£949	33	345	4	10	020640	RS 220	£74
GRB-3300	3	020706	£949	35	436	4	7	020641	RS 330	£101
GRB-3850	3	020706	£949	34	497	4	10	020641	RS 330	£101
GRB-4650	4	020706	£949	36	567	4	7	020643	RS 440	£130
GRB-5200	4	020706	£949	35	649	4	10	020643	RS 440	£130
GRB-5400	5	020706	£949	37	699	4	7	020647	RS 550	£142
GRB-6500	5	020706	£949	36	801	4	10	020647	RS 550	£142
Ø 800										
GRB-4000	2	020706	£949	29	573	4	10	020641	RS 330	£101
GRB-5450	3	020706	£949	30	760	4	10	020643	RS 440	£130
GRB-6450	3	020706	£949	30	858	4	13	020643	RS 440	£130
GRB-8100	4	020706	£949	31	1070	4	13	020647	RS 550	£142

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
Ø 630										
GRL-1600	2	020706	£949	35	284	4	7	020640	RS 220	£74
GRL-1830	2	020706	£949	34	318	4	10	020640	RS 220	£74
GRL-2600	3	020706	£949	36	406	4	7	020641	RS 330	£101
GRL-3450	3	020706	£949	35	456	4	10	020641	RS 330	£101
GRL-4100	4	020706	£949	37	527	4	7	020643	RS 440	£130
GRL-5000	4	020706	£949	36	594	4	10	020643	RS 440	£130
GRL-5150	5	020706	£949	38	649	4	7	020647	RS 550	£142
GRL-6000	5	020706	£949	37	732	4	10	020647	RS 550	£142
Ø 800										
GRL-3600	2	020706	£949	29	519	4	10	020641	RS 330	£101
GRL-5350	3	020706	£949	30	689	4	10	020643	RS 440	£130
GRL-6050	3	020706	£949	30	767	4	13	020643	RS 440	£130
GRL-7700	4	020706	£949	31	956	4	13	020647	RS 550	£142
Ø 630										
GRX-1550	2	020706	£949	36	277	4	7	020640	RS 220	£74
GRX-1790	2	020706	£949	35	308	4	10	020640	RS 220	£74
GRX-2350	3	020706	£949	37	395	4	7	020641	RS 330	£101
GRX-2950	3	020706	£949	36	441	4	10	020641	RS 330	£101
GRX-3350	4	020706	£949	38	512	4	7	020643	RS 440	£130
GRX-4550	4	020706	£949	37	574	4	10	020643	RS 440	£130
GRX-4700	5	020706	£949	39	630	4	7	020647	RS 550	£142
GRX-5800	5	020706	£949	38	707	4	10	020647	RS 550	£142
Ø 800										
GRX-3000	2	020706	£949	30	502	4	10	020641	RS 330	£101
GRX-5100	3	020706	£949	31	665	4	10	020643	RS 440	£130
GRX-5850	3	020706	£949	31	738	4	13	020643	RS 440	£130
GRX-7250	4	020706	£949	32	919	4	13	020647	RS 550	£142

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



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.

Model	Off Cycle Defrost	Electric Defrost
Designation		E
Fan	List Price	List Price
Ø 300		
ECM 130	£589	£666
ECM 150	£683	£801
ECM 200	£809	£900
ECM 250	£899	£990
ECM 290	£989	£1,126
ECM 390	£1,218	£1,329
ECM 470	£1,357	£1,522
ECM 530	£1,613	£1,796
Ø 400		
ECM 330	£1,146	£1,284
ECM 460	£1,276	£1,447
ECM 585	£1,771	£1,935
ECM 830	£1,973	£2,179

ECB

7 mm Fin Spacing

Model	Off Cycle Defrost	Electric Defrost
Designation		E
Fan	List Price	List Price
Ø 300		
ECB 95	£674	£792
ECB 120	£800	£891
ECB 155	£890	£981
ECB 195	£975	£1,113
ECB 275	£1,204	£1,315
ECB 320	£1,339	£1,504
ECB 380	£1,591	£1,773
Ø 400		
ECB 240	£1,133	£1,270
ECB 310	£1,258	£1,429
ECB 420	£1,748	£1,913
ECB 470	£1,946	£2,152

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	£204	12	1	1	020661	RS-38	£38	15	
ECM 150	ECB 95	1	020820	£204	12	1	2	020661	RS-38	£38	17	16
ECM 200	ECB 120	2	020820	£204	13	1	1	020623	RS-85	£45	23	22
ECM 250	ECB 155	2	020820	£204	13	1	1	020623	RS-85	£45	26	25
ECM 290	ECB 195	2	020820	£204	13	1	2	020623	RS-85	£45	29	28
ECM 390	ECB 275	3	020820	£204	14	1	1	020625	RS-140	£55	39	38
ECM 470	ECB 320	3	020820	£204	14	1	2	020625	RS-140	£55	44	42
ECM 530	ECB 380	4	020820	£204	14	1	2	020626	RS-170	£62	54	52
Ø 400	Ø 400											
ECM 330	ECB 240	1	020665	£312	15	1	2	020623	RS-85	£43	35	34
ECM 460	ECB 310	1	020665	£312	15	1	3	020623	RS-85	£43	39	38
ECM 585	ECB 420	2	020665	£312	16	1	2	020626	RS-140	£60	57	55
ECM 830	ECB 470	2	020665	£312	16	1	3	020826	RS-140	£60	65	62

PIA Fin Spacing 2.8 mm

Model	Off Cycle Defrost	Normal Electric	Hot Gas
Designation		E	HG
Fan	List Price	List Price	List Price
Ø 300			
PIA-N 26	£1,034	£1,191	£1,173
PIA-N 29	£1,142	£1,299	£1,281
PIA-N 57	£1,591	£1,790	£1,782
PIA-N 67	£1,775	£1,974	£1,966
PIA-N 89	£2,153	£2,394	£2,405
PIA-N 96	£2,431	£2,672	£2,684
Ø 400			
PIA-N 112	£2,238	£2,454	£2,460
PIA-N 114	£2,571	£2,868	£2,793
PIA-N 150	£3,083	£3,346	£3,375
PIA-N 160	£3,595	£3,959	£3,888
PIA-N 205	£3,762	£4,056	£4,097
PIA-N 220	£4,324	£4,731	£4,659

PIM Fin Spacing 4.2 mm

Model	Off Cycle Defrost	Normal Electric	Hot Gas
Designation		E	HG
Fan	List Price	List Price	List Price
Ø 300			
PIM-N 18	£1,016	£1,173	£1,155
PIM-N 20	£1,115	£1,272	£1,254
PIM-N 40	£1,560	£1,758	£1,750
PIM-N 44	£1,726	£1,924	£1,919
PIM-N 55	£2,103	£2,344	£2,356
PIM-N 60	£2,360	£2,600	£2,612
Ø 400			
PIM-N 72	£2,175	£2,391	£2,397
PIM-N 80	£2,481	£2,778	£2,703
PIM-N 90	£2,993	£3,256	£3,285
PIM-N 115	£3,461	£3,824	£3,753
PIM-N 118	£3,649	£3,943	£3,985
PIM-N 125	£4,162	£4,569	£4,497

PIB Fin Spacing 7 mm

Model	Off Cycle Defrost	Normal Electric	Hot Gas
Designation		E	HG
Fan	List Price	List Price	List Price
Ø 300			
PIB-N 15	£1,011	£1,169	£1,151
PIB-N 17	£1,106	£1,263	£1,245
PIB-N 35	£1,546	£1,745	£1,737
PIB-N 41	£1,708	£1,906	£1,898
PIB-N 45	£2,085	£2,326	£2,338
PIB-N 53	£2,333	£2,573	£2,585
Ø 400			
PIB-N 58	£2,148	£2,364	£2,370
PIB-N 75	£2,440	£2,738	£2,662
PIB-N 82	£2,948	£3,211	£3,240
PIB-N 92	£3,398	£3,761	£3,690
PIB-N 119	£4,085	£4,492	£4,421

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	Hot Gas
Designation		E	HG
Fan	List Price	List Price	List Price
Ø 300			
PIA-N 26	£1,560	£1,717	£1,731
PIA-N 29	£1,789	£1,946	£1,960
PIA-N 57	£2,148	£2,347	£2,361
PIA-N 67	£2,593	£2,792	£2,806
PIA-N 89	£2,903	£3,144	£3,170
PIA-N 96	£3,479	£3,719	£3,746
Ø 400			
PIA-N 112	£3,061	£3,276	£3,302
PIA-N 114	£3,789	£4,086	£4,030
PIA-N 150	£4,139	£4,402	£7,136
PIA-N 160	£5,514	£5,878	£5,815
PIA-N 205	£5,492	£5,786	£5,828
PIA-N 220	£6,319	£6,726	£6,655

PIM Fin Spacing 4.2 mm

Model	Off Cycle Defrost	Normal Electric	Hot Gas
Designation		E	HG
Fan	List Price	List Price	List Price
Ø 300			
PIM-N 18	£1,537	£1,694	£1,709
PIM-N 20	£1,757	£1,915	£1,929
PIM-N 40	£2,108	£2,306	£2,321
PIM-N 44	£2,539	£2,738	£2,752
PIM-N 55	£2,840	£3,081	£3,107
PIM-N 60	£3,389	£3,630	£3,656
Ø 400			
PIM-N 72	£2,989	£3,204	£3,230
PIM-N 80	£3,685	£3,983	£3,926
PIM-N 90	£4,031	£4,294	£4,152
PIM-N 115	£5,357	£5,720	£5,657
PIM-N 118	£5,362	£5,656	£5,698
PIM-N 125	£6,126	£6,533	£6,462

PIB Fin Spacing 7 mm

Model	Off Cycle Defrost	Normal Electric	Hot Gas
Designation		E	HG
Fan	List Price	List Price	List Price
Ø 300			
PIB-N 15	£1,524	£1,681	£1,695
PIB-N 17	£1,744	£1,901	£1,915
PIB-N 35	£2,090	£2,288	£2,303
PIB-N 41	£2,512	£2,711	£2,725
PIB-N 45	£2,813	£3,054	£3,080
PIB-N 53	£3,348	£3,589	£3,615
Ø 400			
PIB-N 58	£2,957	£3,173	£3,198
PIB-N 75	£3,636	£3,933	£3,877
PIB-N 82	£3,982	£4,244	£4,282
PIB-N 92	£5,285	£5,648	£5,585
PIB-N 119	£6,040	£6,448	£6,376

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.



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
Ø 300										
PIA-N 26	1	020802	£204	1260	39	2	2	020647	RS 55	£55
PIA-N 29	1	020802	£204	1100	42	2	2	020647	RS 55	£55
PIA-N 57	2	020802	£204	2520	59	2	2	020639	RS 110	£50
PIA-N 67	2	020802	£204	2200	66	2	2	020639	RS 110	£50
PIA-N 89	3	020802	£204	3880	82	2	2	020626	RS 170	£62
PIA-N 96	3	020802	£204	3390	92	2	2	020626	RS 170	£62
Ø 400										
PIA-N 112	2	020722	£289	5450	88	2	2	020625	RS 140	£55
PIA-N 114	2	020722	£289	4800	102	4	2	020625	RS 140	£55
PIA-N 150	3	020722	£289	8175	123	2	2	020628	RS 210	£70
PIA-N 160	3	020722	£289	7200	142	4	2	020628	RS 210	£70
PIA-N 205	4	020722	£289	10300	149	2	2	020629	RS 255	£79
PIA-N 220	4	020722	£289	8970	173	4	2	020629	RS 255	£79
Ø 300										
PIM-N 18	1	020802	£204	1340	39	2	2	020647	RS 55	£55
PIM-N 20	1	020802	£204	1210	42	2	2	020647	RS 55	£55
PIM-N 40	2	020802	£204	2680	59	2	2	020639	RS 110	£50
PIM-N 44	2	020802	£204	2420	66	2	2	020639	RS 110	£50
PIM-N 55	3	020802	£204	4130	82	2	2	020626	RS 170	£62
PIM-N 60	3	020802	£204	3730	92	2	2	020626	RS 170	£62
Ø 400										
PIM-N 72	2	020722	£289	5800	88	2	2	020625	RS 140	£55
PIM-N 80	2	020722	£289	5250	102	4	2	020625	RS 140	£55
PIM-N 90	3	020722	£289	8700	123	2	2	020628	RS 210	£70
PIM-N 115	3	020722	£289	7875	142	4	2	020628	RS 210	£70
PIM-N 118	4	020722	£289	11100	149	2	2	020629	RS 255	£79
PIM-N 125	4	020722	£289	9850	173	4	2	020629	RS 255	£79
Ø 300										
PIB-N 15	1	020802	£204	1420	39	2	2	020647	RS 55	£55
PIB-N 17	1	020802	£204	1310	42	2	2	020647	RS 55	£55
PIB-N 35	2	020802	£204	2840	59	2	2	020639	RS 110	£50
PIB-N 41	2	020802	£204	2620	66	2	2	020639	RS 110	£50
PIB-N 45	3	020802	£204	4370	82	2	2	020626	RS 170	£62
PIB-N 53	3	020802	£204	4030	92	2	2	020626	RS 170	£62
Ø 400										
PIB-N 58	2	020722	£289	6000	88	2	2	020625	RS 140	£55
PIB-N 75	2	020722	£289	5700	102	4	2	020625	RS 140	£55
PIB-N 82	3	020722	£289	9000	123	2	2	020628	RS 210	£70
PIB-N 92	3	020722	£289	8550	142	4	2	020628	RS 210	£70
PIB-N 119	4	020722	£289	10900	173	4	2	020629	RS 255	£79

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	Hot Gas
Designation		E	HG
Fan	List Price	List Price	List Price
Ø 500			
PIM 900	£2,310	£2,591	£2,514
PIM 1300	£2,679	£3,027	£2,883
PIM 1700	£3,829	£4,200	£4,114
PIM 1900	£4,508	£4,972	£4,793
PIM 2400	£5,622	£6,068	£5,988
PIM 2850	£6,494	£7,053	£6,860
PIM 3100	£7,681	£8,332	£8,095

PIB Fin Spacing 7 mm

Model	Off Cycle Defrost	Normal Electric	Hot Gas
Designation		E	HG
Fan	List Price	List Price	List Price
Ø 500			
PIB 550	£2,283	£2,564	£2,487
PIB 750	£2,643	£2,991	£2,847
PIB 1000	£3,780	£4,151	£4,065
PIB 1350	£4,431	£4,896	£4,716
PIB 1550	£5,546	£5,992	£5,912
PIB 2150	£6,382	£6,941	£6,748
PIB 2600	£7,546	£8,197	£7,960

PIL Fin Spacing 9 mm

Model	Off Cycle Defrost	Normal Electric	Hot Gas
Designation		E	HG
Fan	List Price	List Price	List Price
Ø 500			
PIL 400	£2,270	£2,551	£2,474
PIL 650	£2,620	£2,969	£2,824
PIL 850	£3,753	£4,124	£4,038
PIL 1150	£4,386	£4,851	£4,671
PIL 1500	£5,501	£5,947	£5,867
PIL 1950	£6,319	£6,878	£6,685
PIL 2450	£7,470	£8,120	£7,884

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.

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.



PIM Fin Spacing 4.2 mm

Model	Off Cycle Defrost	Normal Electric	Hot Gas
Designation		E	HG
Fan	List Price	List Price	List Price
Ø 500			
PIM 900	£3,231	£3,513	£3,496
PIM 1300	£3,924	£4,272	£4,188
PIM 1700	£5,061	£5,432	£6,390
PIM 1900	£6,391	£6,856	£6,721
PIM 2400	£8,000	£8,446	£8,396
PIM 2850	£9,213	£9,772	£9,610
PIM 3100	£10,517	£11,167	£10,955

PIB Fin Spacing 7 mm

Model	Off Cycle Defrost	Normal Electric	Hot Gas
Designation		E	HG
Fan	List Price	List Price	List Price
Ø 500			
PIB 550	£3,200	£3,481	£3,464
PIB 750	£3,883	£4,232	£4,147
PIB 1000	£5,007	£5,378	£5,337
PIB 1350	£6,305	£6,770	£6,635
PIB 1550	£7,914	£8,360	£8,311
PIB 2150	£9,087	£9,647	£9,484
PIB 2600	£10,368	£11,019	£10,807

PIL Fin Spacing 9 mm

Model	Off Cycle Defrost	Normal Electric	Hot Gas
Designation		E	HG
Fan	List Price	List Price	List Price
Ø 500			
PIL 400	£3,182	£3,463	£3,446
PIL 650	£3,856	£4,205	£4,120
PIL 850	£4,971	£5,342	£5,301
PIL 1150	£6,256	£6,721	£6,586
PIL 1500	£7,865	£8,311	£8,261
PIL 1950	£9,011	£9,570	£9,407
PIL 2450	£10,283	£10,934	£10,722

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.



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

Model	Fans			Air Flow (m ³ /hr)	Weight (Kg)	Defrost Heaters (Electric Defrost Option)			
	Number	Part No.	List Price			Number	Part No.	Model Number	List Price
PIM 900	1	020859	£535	7000	83	6	020623	RS 85	£45
PIM 1300	1	020859	£535	6700	94	8	020623	RS 85	£45
PIM 1700	2	020859	£535	14000	141	6	020626	RS 170	£62
PIM 1900	2	020859	£535	13400	163	8	020626	RS 170	£62
PIM 2400	3	020859	£535	21000	199	6	020629	RS 255	£79
PIM 2850	3	020859	£535	20100	231	8	020629	RS 255	£79
PIM 3100	4	020859	£535	25400	277	8	020630	RS 300	£96
					PIB E				
PIB 550	1	020859	£535	7350	85	6	020623	RS 85	£45
PIB 750	1	020859	£535	7100	96	8	020623	RS 85	£45
PIB 1000	2	020859	£535	14700	144	6	020626	RS 170	£62
PIB 1350	2	020859	£535	14200	165	8	020626	RS 170	£62
PIB 1550	3	020859	£535	22050	203	6	020629	RS 255	£79
PIB 2150	3	020859	£535	21300	234	8	020629	RS 255	£79
PIB 2600	4	020859	£535	27200	280	8	020630	RS 300	£96
					PIL E				
PIL 400	1	020859	£535	7450	84	6	020623	RS 85	£45
PIL 650	1	020859	£535	7250	94	8	020623	RS 85	£45
PIL 850	2	020859	£535	14900	141	6	020626	RS 170	£62
PIL 1150	2	020859	£535	14500	162	8	020626	RS 170	£62
PIL 1500	3	020859	£535	22350	199	6	020629	RS 255	£79
PIL 1950	3	020859	£535	21750	229	8	020629	RS 255	£79
PIL 2450	4	020859	£535	28000	274	8	020630	RS 300	£96

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	£7,914	£8,424	£8,394
TTM 3000	£9,389	£10,127	£9,869
TTM 3700	£11,209	£11,860	£11,815
TTM 4700	£12,741	£13,685	£13,348
TTM 6000	£16,916	£17,990	£17,645
Ø 710			
TTM 2550	£11,132	£11,642	£11,612
TTM 3850	£12,508	£13,246	£12,988
TTM 4400	£15,887	£16,538	£16,494
TTM 5200	£17,703	£18,647	£18,310
TTM 7600	£23,150	£24,223	£23,879



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.

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	£7,771	£8,280	£8,251
TTB 2350	£9,177	£9,915	£9,657
TTB 2800	£10,989	£11,639	£11,595
TTB 3800	£12,427	£13,371	£13,033
TTB 5250	£16,499	£17,572	£17,227
Ø 710			
TTB 2100	£10,971	£11,480	£11,451
TTB 3100	£12,283	£13,021	£12,763
TTB 3350	£15,649	£16,300	£16,256
TTB 4800	£17,375	£18,319	£17,982
TTB 6100	£22,714	£23,787	£23,443

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	£7,694	£8,204	£8,174
TTL 2150	£9,065	£9,803	£9,545
TTL 2500	£10,876	£11,527	£11,483
TTL 3600	£12,265	£13,209	£12,872
TTL 5050	£16,283	£17,356	£17,012
Ø 710			
TTL 1700	£10,894	£11,404	£11,374
TTL 2650	£12,171	£12,908	£12,651
TTL 2850	£15,532	£16,183	£16,139
TTL 4200	£17,204	£18,148	£17,811
TTL 5800	£22,489	£23,563	£23,218

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	£7,807	£8,316	£8,287
TTX 1750	£9,150	£9,888	£9,630
TTX 2000	£11,105	£11,756	£11,712
TTX 2900	£12,876	£13,820	£13,483
TTX 4000	£16,386	£17,459	£17,115
Ø 710			
TTX 1600	£10,872	£11,381	£11,352
TTX 2200	£12,215	£12,953	£12,695
TTX 2450	£15,703	£16,354	£16,310
TTX 3400	£17,474	£18,418	£18,081
TTX 5300	£22,615	£23,688	£23,344

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

Model	Fans				Air Flow (m ³ /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	£1,009	32500	6	2	020627	RS 200	£70	312
TTM 3000		2	020705	£1,009	31400	10	2	020627	RS 200	£70	354
TTM 3700		3	020705	£1,009	48750	6	2	020630	RS 300	£96	438
TTM 4700		3	020705	£1,009	47100	10	2	020630	RS 300	£96	500
TTM 6000		4	020705	£1,009	62800	10	2	020642	RS 400	£112	650
TTM 2550	Ø 710	2	020712	£2,326	46600	6	2	020627	RS 200	£70	405
TTM 3850		2	020712	£2,326	45000	10	2	020627	RS 200	£70	445
TTM 4400		3	020712	£2,326	69900	6	2	020630	RS 300	£96	576
TTM 5200		3	020712	£2,326	67500	10	2	020630	RS 300	£96	640
TTM 7600		4	020712	£2,326	90000	10	2	020642	RS 400	£112	830
TTB 1650	Ø 630	2	020705	£1,009	33800	6	2	020627	RS 200	£70	303
TTB 2350		2	020705	£1,009	32800	10	2	020627	RS 200	£70	340
TTB 2800		3	020705	£1,009	50700	6	2	020630	RS 300	£96	425
TTB 3800		3	020705	£1,009	49200	10	2	020630	RS 300	£96	480
TTB 5250		4	020705	£1,009	65600	10	2	020642	RS 400	£112	622
TTB 2100	Ø 710	2	020712	£2,326	48800	6	2	020627	RS 200	£70	395
TTB 3100		2	020712	£2,326	47400	10	2	020627	RS 200	£70	433
TTB 3350		3	020712	£2,326	73200	6	2	020630	RS 300	£96	563
TTB 4800		3	020712	£2,326	71100	10	2	020630	RS 300	£96	620
TTB 6100		4	020712	£2,326	94800	10	2	020642	RS 400	£112	805
TTL 1500	Ø 630	2	020705	£1,009	26000	6	2	020627	RS 200	£70	300
TTL 2150		2	020705	£1,009	25600	10	2	020627	RS 200	£70	333
TTL 2500		3	020705	£1,009	39000	6	2	020630	RS 300	£96	417
TTL 3600		3	020705	£1,009	38400	10	2	020630	RS 300	£96	470
TTL 5050		4	020705	£1,009	51200	10	2	020642	RS 400	£112	605
TTL 1700	Ø 710	2	020712	£2,326	37400	6	2	020627	RS 200	£70	390
TTL 2650		2	020712	£2,326	36000	10	2	020627	RS 200	£70	425
TTL 2850		3	020712	£2,326	56100	6	2	020630	RS 300	£96	555
TTL 4200		3	020712	£2,326	54000	10	2	020630	RS 300	£96	610
TTL 5800		4	020712	£2,326	72000	10	2	020642	RS 400	£112	790
TTX 1250	Ø 630	2	020705	£1,009	26000	6	2	020627	RS 200	£70	305
TTX 1750		2	020705	£1,009	25500	10	2	020627	RS 200	£70	345
TTX 2000		3	020705	£1,009	39000	6	2	020630	RS 300	£96	428
TTX 2900		3	020705	£1,009	38250	10	2	020630	RS 300	£96	485
TTX 4000		4	020705	£1,009	51000	10	2	020642	RS 400	£112	627
TTX 1600	Ø 710	2	020712	£2,326	37400	6	2	020627	RS 200	£70	397
TTX 2200		2	020712	£2,326	36000	10	2	020627	RS 200	£70	435
TTX 2450		3	020712	£2,326	56100	6	2	020630	RS 300	£96	565
TTX 3400		3	020712	£2,326	54000	10	2	020630	RS 300	£96	625
TTX 5300		4	020712	£2,326	72000	10	2	020642	RS 400	£112	810

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	£4,688	£5,061	£5,026
MRB 1050	£6,503	£6,874	£6,957
MRB 1450	£7,128	£7,593	£7,582
MRB 2150	£9,577	£10,136	£10,168
Ø 630			
MRB 2950	£11,137	£11,772	£11,803
MRB 3750	£13,712	£14,363	£14,605
MRB 4100	£15,078	£15,887	£15,971
Ø 710			
MRB 5300	£22,413	£23,222	£23,499
MRB 6400	£24,305	£25,249	£25,391

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	£4,656	£5,029	£4,995
MRL 865	£6,463	£6,834	£6,917
MRL 1160	£7,079	£7,543	£7,532
MRL 1800	£9,501	£10,060	£10,091
Ø 630			
MRL 2550	£11,042	£11,678	£11,709
MRL 3300	£13,609	£14,259	£14,501
MRL 4000	£14,939	£15,748	£15,832
Ø 710			
MRL 5100	£22,265	£23,074	£23,351
MRL 5900	£24,107	£25,051	£25,193

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	£4,517	£4,890	£4,856
MRX 710	£6,274	£6,645	£6,728
MRX 960	£6,831	£7,296	£7,285
MRX 1300	£9,123	£9,682	£9,714
Ø 630			
MRX 1720	£10,764	£11,399	£11,430
MRX 2300	£13,276	£13,927	£14,169
MRX 2850	£14,503	£15,312	£15,396
Ø 710			
MRX 3450	£21,788	£22,597	£22,874
MRX 4850	£23,492	£24,435	£24,577

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	£595	6850	2	6	020624	RS 100	£49	167
MRB 1050		2	020860	£595	13400	2	4	020626	RS 170	£62	245
MRB 1450		2	020860	£595	13000	2	6	020626	RS 170	£62	262
MRB 2150		3	020860	£595	19500	2	6	020629	RS 255	£79	372
MRB 2950	Ø 630	2	020706	£949	27000	2	8	020627	RS 200	£70	425
MRB 3750		3	020706	£949	42000	2	6	020630	RS 300	£96	558
MRB 4100		3	020706	£949	40500	2	8	020630	RS 300	£96	603
MRB 5300	Ø 710	3	020713	£2,326	66600	2	8	020630	RS 300	£96	810
MRB 6400		3	020713	£2,326	63900	2	10	020630	RS 300	£96	873
MRL 600	Ø 500	1	020860	£595	7050	2	6	020624	RS 100	£49	167
MRL 865		2	020860	£595	13700	2	4	020626	RS 170	£62	245
MRL 1160		2	020860	£595	13400	2	6	020626	RS 170	£62	262
MRL 1800		3	020860	£595	20100	2	6	020629	RS 255	£79	372
MRL 2550	Ø 630	2	020706	£949	28200	2	8	020627	RS 200	£70	425
MRL 3300		3	020706	£949	43800	2	6	020630	RS 300	£96	558
MRL 4000		3	020706	£949	42300	2	8	020630	RS 300	£96	603
MRL 5100	Ø 710	3	020713	£2,326	68400	2	8	020630	RS 300	£96	810
MRL 5900		3	020713	£2,326	66000	2	10	020630	RS 300	£96	873
MRX 520	Ø 500	1	020860	£595	7500	2	6	020624	RS 100	£49	162
MRX 710		2	020860	£595	14600	2	4	020626	RS 170	£62	238
MRX 960		2	020860	£595	14000	2	6	020626	RS 170	£62	253
MRX 1300		3	020860	£595	21000	2	6	020629	RS 255	£79	358
MRX 1720	Ø 630	2	020706	£949	28600	2	8	020627	RS 200	£70	415
MRX 2300		3	020706	£949	44250	2	6	020630	RS 300	£96	545
MRX 2850		3	020706	£949	42900	2	8	020630	RS 300	£96	587
MRX 3450	Ø 710	3	020713	£2,326	70500	2	8	020630	RS 300	£96	793
MRX 4850		3	020713	£2,326	68100	2	10	020630	RS 300	£96	850

MV Range

Mini Vap Unit Coolers

MVP Fin Spacing 4 mm

Model	Off Cycle Defrost	Electric Defrost
Designation		E
Fan	List Price	List Price
Ø 230		
MVP 22	£279	£309
MVP 41	£310	£344
MVP 63	£463	£503
MVP 84	£539	£580
MVP 100	£724	£769

MVG Fin Spacing 4 mm

Model	Off Cycle Defrost	Electric Defrost
	List Price	List Price
Fan		
Ø 230		
MVG 30	306	336
MVG 45	351	385
MVG 70	553	593
MVG 85	602	643
MVG 125	804	849

MVM Fin Spacing 4.2 mm

Model	Off Cycle Defrost	Normal Electric
Designation		E
Fan	List Price	List Price
Ø 230		
MVM 35	£503	£581
MVM 55	£562	£672
MVM 75	£737	£828
MVM 115	£831	£962
MVM 125	£1,029	£1,140
MVM 160	£1,222	£1,346
MVM 190	£1,393	£1,569
Ø 300		
MVM 150	£1,335	£1,445
MVM 180	£1,425	£1,589
MVM 210	£1,595	£1,801
MVM 250	£1,924	£2,121
MVM 340	£2,175	£2,423

MVB Fin Spacing 7 mm

Model	Off Cycle Defrost	Electric Defrost
		E
Fan	List Price	List Price
Ø 230		
MVB 35	£499	576
MVB 55	£557	668
MVB 75	£728	819
MVB 115	£818	948
MVB 125	£1,016	1126
MVB 160	£1,178	1285
MVB 190	£1,348	1512
Ø 300		
MVB 150	£1,321	1432
MVB 180	£1,411	1576
MVB 210	£1,573	1779
MVB 250	£1,901	2099
MVB 340	£2,144	2392

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 (m ³ /hr)	Weight (Kg)	Defrost Heaters (Electric Defrost Option)				
	Number	Part No.	List Price			Number	Part No.	Model Number	List Price	
Ø 230										
MVP 22	1	020800	£42	300	7	1		020600	R 60	£32
MVP 41	1	020800	£42	440	8	1		020602	R 62	£36
MVP 63	2	020800	£42	720	12	1		020603	R 63	£46
MVP 84	2	020800	£42	880	14	1		020604	R 64	£45
MVP 100	3	020800	£42	1320	20	1		020605	R 65	£50
Ø 230										
MVG 30	1	020800	£42	410	8	1		020600	R 60	£32
MVG 45	1	020800	£42	560	10	1		020602	R 62	£36
MVG 70	2	020800	£42	950	14	1		020603	R 63	£46
MVG 85	2	020800	£42	1120	16	1		020604	R 64	£45
MVG 125	3	020800	£42	1680	23	1		020605	R 65	£50
Ø 230						Coil	Tray			
MVM 35	1	020801	£56	540	1	1	1	020661	RS 38	£38
MVM 55	1	020801	£56	480	1	2	1	020661	RS 38	£38
MVM 75	2	020801	£56	1120	2	1	1	020623	RS 85	£45
MVM 115	2	020801	£56	990	2	2	1	020623	RS 85	£45
MVM 125	3	020801	£56	1780	3	1	1	020625	RS 140	£55
MVM 160	4	020801	£56	2240	4	1	1	020626	RS 170	£62
MVM 190	4	020801	£56	1980	4	2	1	020626	RS 170	£62
Ø 300										
MVM 150	2	020802	£204	2760	2	1	1	020625	RS 140	£55
MVM 180	2	020802	£204	2620	2	2	1	020625	RS 140	£55
MVM 210	2	020802	£204	2350	2	3	1	020625	RS 140	£55
MVM 250	3	020802	£204	3930	3	2	1	020628	RS 210	£70
MVM 340	3	020802	£204	3525	3	3	1	020628	RS 210	£70
Ø 230						Coil	Tray			
MVB 35	1	020801	£56	600	1	1	1	020661	RS 38	£38
MVB 55	1	020801	£56	560	1	2	1	020661	RS 38	£38
MVB 75	2	020801	£56	1200	2	1	1	020623	RS 85	£45
MVB 115	2	020801	£56	1120	2	2	1	020623	RS 85	£45
MVB 125	3	020801	£56	1875	3	1	1	020625	RS 140	£55
MVB 160	4	020801	£56	2400	4	1	1	020626	RS 170	£62
MVB 190	4	020801	£56	2240	4	2	1	020626	RS 170	£62
Ø 300										
MVB 150	2	020802	£204	2900	2	1	1	020625	RS 140	£55
MVB 180	2	020802	£204	2780	2	2	1	020625	RS 140	£55
MVB 210	2	020802	£204	2580	2	3	1	020625	RS 140	£55
MVB 250	3	020802	£204	4170	3	2	1	020628	RS 210	£70
MVB 340	3	020802	£204	3870	3	3	1	020628	RS 210	£70

FBV Range

Fin Spacing 4.2 mm

Unit Coolers with very low Air Velocity

Model Designation	Off Cycle Defrost	Normal Electric E	Hot Gas HG	Air Flow (m³/hr)	Weight (Kg)	Defrost Heaters (Electric Defrost Option)				Fans*		
						Number	Part No.	Model Number	List Price	Number	Part No.	List Price
Fan	List Price	List Price	List Price									
Ø 230												
FBV 15	£1,065	£1,162	£1,201	1350	39	2	020623	RS 85	£45	2	020801	£56
FBV 25	£1,281	£1,457	£1,417	1290	46	4	020623	RS 85	£45	2	020801	£56
Ø 300												
FBV 42	£1,712	£1,928	£1,883	2090	59	4	020625	RS 140	£55	2	020823	£182
FBV 47	£2,054	£2,295	£2,245	2110	72	4	020626	RS 170	£62	2	020823	£182
FBV 61	£2,099	£2,361	£2,316	3315	76	4	020628	RS 210	£70	2	020806	£182
FBV 69	£2,557	£2,851	£2,804	3325		4	020629	RS 255	£79	2	020806	£182

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 white 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, Cubic Unit Evaporators with Centrifugal Fans

Model Designation	Off Cycle Defrost	Normal Electric E	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
	List Price	List Price										
FCM 950	£3,739	£4,112	5670	154	6	2	020624	RS 100	£49	1	020684	£623
FCM 1290	£5,618	£5,989	11220	228	4	2	020626	RS 170	£62	2	020684	£623
FCM 1780	£6,171	£6,635	10540	245	6	2	020626	RS 170	£62	2	020684	£623
FCM 2430	£8,094	£8,540	16830	320	4	2	020629	RS 255	£79	3	020684	£623
FCM 2550	£8,755	£9,314	15810	346	6	2	020629	RS 255	£79	3	020684	£623
FCM 3850	£11,820	£12,484	21640	461	6	2	020636	RS 360	£100	4	020684	£623

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 Designation	Off Cycle Defrost List Price	Normal Electric E List Price
SN 20	355	413
SN 30	£494	£591
SN 40	£611	£714
SN 50	£769	£912
SN 60	£899	£1,062
SN 70	£1,002	£1,165
SN 80	£1,137	£1,313
SN 90	£1,407	£1,634
SN 100	£1,560	£1,805

Weight (Kg)	Defrost Heaters (Electric Defrost Option)			
	Number	Part No.	Model Number	List Price
12	1	R 723	020620	£51
18	2	R 723	020620	£51
22	2	R 745	020616	55
30	3	R 745	020616	55
36	3	R 767	020617	63
42	3	R 767	020617	63
48	3	R 789	020618	70
54	4	R 789	020618	70
60	4	R 710	020619	76



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 Designation	Off Cycle Defrost List Price	Normal Electric E List Price
EG 38	£1,227	£1,390
EG 44	£1,362	£1,538
EG 55	£1,640	£1,868
EG 63	£1,793	£2,039
EG 75	£2,036	£2,338
EG 94	£2,409	£2,786
EG 118	£2,890	£3,337

Weight (Kg)	Defrost Heaters (Electric Defrost Option)			
	Number	Part No.	Model Number	List Price
45	3	020617	R 767	63
52	3	020618	R 789	70
62	4	020618	R 789	70
70	4	020619	R 710	76
82	5	020619	R 710	76
101	5	020612	R 730	102
124	6	020612	R 730	102



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	£8,836	£9,557	£9,274	£10,840	£9,282	£9,427
GNHM-2600	£10,220	£11,099	£10,710	£12,836	£10,811	£10,689
GNHM-3900	£12,117	£13,060	£12,675	£14,750	£12,816	£12,867
GNHM-4600	£14,269	£15,426	£14,899	£17,723	£15,002	£15,020
GNHM-4900	£15,465	£16,617	£16,135	£18,690	£16,346	£16,357
GNHM-5500	£18,054	£19,469	£18,812	£22,293	£18,979	£18,946
GNHM-6300	£19,689	£20,958	£20,423	£23,277	£20,753	£20,724
GNHM-7500						
Ø 800						
GNHM-4750	£15,047	£16,204	£15,676	£18,500	£15,656	£15,947
GNHM-6350	£19,865	£21,280	£20,623	£24,104	£20,668	£20,944
GNHM-7400	£22,624	£24,304	£23,559	£27,878	£23,466	£23,704
GNHM-8500	£29,051	£30,899	£30,074	£34,904	£30,096	£30,310

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	£8,526	£9,247	£8,963	£10,530	£8,972	£9,117
GNHB-2300	£9,811	£10,690	£10,301	£12,427	£10,280	£10,402
GNHB-3300	£11,658	£12,602	£12,216	£14,292	£12,357	£12,409
GNHB-3850	£13,663	£14,819	£14,292	£17,116	£14,395	£14,413
GNHB-4650	£14,854	£16,006	£15,524	£18,079	£15,734	£15,746
GNHB-5200	£17,249	£18,665	£18,008	£21,488	£18,175	£18,142
GNHB-5400	£18,925	£20,194	£19,659	£22,513	£19,989	£19,960
GRB-6500	£21,820	£23,378	£22,649	£26,540	£22,939	£22,854
Ø 800						
GNHB-4000	£14,328	£15,485	£14,957	£17,781	£14,937	£15,228
GNHB-5450	£18,912	£20,328	£19,671	£23,151	£19,716	£19,991
GNHB-6450	£21,438	£23,118	£22,373	£26,692	£22,279	£22,517
GNHB-8100	£27,568	£29,416	£28,591	£33,421	£28,613	£28,827

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		E1	E0	E+	W	HG
Fan	List Price	List Price	List Price	List Price	List Price	List Price
Ø 630						
GNHL-1600	£8,386	£9,107	£8,824	£10,391	£8,833	£8,978
GNHL-1830	£9,631	£10,510	£10,121	£12,247	£10,100	£10,223
GNHL-2600	£114,451	£12,395	£12,010	£14,085	£12,151	£12,202
GNHL-3450	£13,393	£14,550	£14,022	£16,846	£14,126	£14,144
GNHL-4100	£14,584	£15,736	£15,255	£17,809	£15,465	£15,477
GNHL-5000	£16,899	£18,314	£17,657	£21,138	£17,824	£17,791
GNHL-5150	£18,588	£19,857	£19,322	£22,176	£19,652	£19,623
GNHL-6000	£21,379	£22,938	£22,209	£26,099	£22,498	£22,414
Ø 800						
GNHL-3600	£14,013	£15,170	£14,642	£17,467	£14,623	£14,913
GNHL-5350	£18,489	£19,905	£19,248	£22,729	£19,293	£19,569
GNHL-6050	£20,916	£22,596	£21,851	£26,170	£21,758	£21,996
GNHL-7700	£26,916	£28,764	£27,939	£32,770	£27,962	£28,176

GNHL / GNHX Range are industrial air coolers for ammonia NH3 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.

GNHX

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
Ø 630						
GNHX-1550	£8,283	£9,004	£8,721	£10,287	£8,730	£8,874
GNHX-1790	£9,492	£10,371	£9,982	£12,108	£9,961	£10,083
GNHX-2350	£11,294	£12,238	£11,852	£13,928	£11,993	£12,045
GNHX-2950	£13,186	£14,343	£13,815	£16,640	£13,919	£13,937
GNHX-3350	£14,373	£15,525	£15,043	£17,598	£15,254	£15,265
GNHX-4550	£16,620	£18,036	£17,379	£20,859	£17,546	£17,512
GNHX-4700	£18,328	£19,596	£19,061	£21,915	£19,391	£19,362
GNHX-5800	£21,033	£22,592	£21,863	£25,753	£22,152	£22,068
Ø 800						
GNHX-3000	£13,766	£14,923	£14,395	£17,219	£14,375	£14,666
GNHX-5100	£18,161	£19,577	£18,920	£22,400	£18,965	£19,241
GNHX-5850	£20,512	£22,192	£21,447	£25,766	£21,591	£21,353
GNHX-7250	£26,408	£28,256	£27,431	£32,262	£27,454	£27,668



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
Ø 630										
GNHM-2450	2	020706	£949	33	307	4	7	020640	RS 220	£74
GNHM-2600	2	020706	£949	32	350	4	10	020640	RS 220	£74
GNHM-3900	3	020706	£949	34	441	4	7	020641	RS 330	£101
GNHM-4600	3	020706	£949	33	504	4	10	020641	RS 330	£101
GNHM-4900	4	020706	£949	35	575	4	7	020643	RS 440	£130
GNHM-5500	4	020706	£949	34	659	4	10	020643	RS 440	£130
GNHM-6300	5	020706	£949	36	708	4	7	020647	RS 550	£142
GNHM-7500	5	020706	£949	35	813	4	10	020647	RS 550	£142
Ø 800										
GNHM-4750	2	020706	£949	28	582	4	10	020641	RS 330	£101
GNHM-6350	3	020706	£949	29	772	4	10	020643	RS 440	£130
GNHM-7400	3	020706	£949	29	873	4	13	020643	RS 440	£130
GNHM-8500	4	020706	£949	30	1088	4	13	020647	RS 550	£142
Ø 630										
GNHB-1740	2	020706	£949	34	297	4	7	020640	RS 220	£74
GNHB-2300	2	020706	£949	33	335	4	10	020640	RS 220	£74
GNHB-3300	3	020706	£949	35	425	4	7	020641	RS 330	£101
GNHB-3850	3	020706	£949	34	482	4	10	020641	RS 330	£101
GNHB-4650	4	020706	£949	36	553	4	7	020643	RS 440	£130
GNHB-5200	4	020706	£949	35	628	4	10	020643	RS 440	£130
GNHB-5400	5	020706	£949	37	681	4	7	020647	RS 550	£142
GRB-6500	5	020706	£949	36	775	4	10	020647	RS 550	£142
Ø 800										
GNHB-4000	2	020706	£949	29	551	4	10	020641	RS 330	£101
GNHB-5450	3	020706	£949	30	730	4	10	020643	RS 440	£130
GNHB-6450	3	020706	£949	30	819	4	13	020643	RS 440	£130
GNHB-8100	4	020706	£949	31	1021	4	13	020647	RS 550	£142

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
Ø 630										
GNHL-1600	2	020706	£949	35	288	4	7	020640	RS 220	£74
GNHL-1830	2	020706	£949	34	323	4	10	020640	RS 220	£74
GNHL-2600	3	020706	£949	36	411	4	7	020641	RS 330	£101
GNHL-3450	3	020706	£949	35	463	4	10	020641	RS 330	£101
GNHL-4100	4	020706	£949	37	535	4	7	020643	RS 440	£130
GNHL-5000	4	020706	£949	36	604	4	10	020643	RS 440	£130
GNHL-5150	5	020706	£949	38	658	4	7	020647	RS 550	£142
GNHL-6000	5	020706	£949	37	744	4	10	020647	RS 550	£142
Ø 800										
GNHL-3600	2	020706	£949	29	528	4	10	020641	RS 330	£101
GNHL-5350	3	020706	£949	30	700	4	10	020643	RS 440	£130
GNHL-6050	3	020706	£949	30	782	4	13	020643	RS 440	£130
GNHL-7700	4	020706	£949	31	974	4	13	020647	RS 550	£142
Ø 630										
GNHX-1550	2	020706	£949	36	281	4	7	020640	RS 220	£74
GNHX-1790	2	020706	£949	35	313	4	10	020640	RS 220	£74
GNHX-2350	3	020706	£949	37	400	4	7	020641	RS 330	£101
GNHX-2950	3	020706	£949	36	448	4	10	020641	RS 330	£101
GNHX-3350	4	020706	£949	38	520	4	7	020643	RS 440	£130
GNHX-4550	4	020706	£949	37	584	4	10	020643	RS 440	£130
GNHX-4700	5	020706	£949	39	639	4	7	020647	RS 550	£142
GNHX-5800	5	020706	£949	38	719	4	10	020647	RS 550	£142
Ø 800										
GNHX-3000	2	020706	£949	30	510	4	10	020641	RS 330	£101
GNHX-5100	3	020706	£949	31	677	4	10	020643	RS 440	£130
GNHX-5850	3	020706	£949	31	752	4	13	020643	RS 440	£130
GNHX-7250	4	020706	£949	32	937	4	13	020647	RS 550	£142

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 Designation	Off Cycle Defrost	Normal Electric E	Hot Gas HG	Air Flow (m³/hr)	Weight (Kg)	Defrost Heaters (Electric Defrost Option)					Fans*		
						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	£9,451	£9,961	£10,022	32200	312	6	2	020627	RS-200	£70	2	020705	£1,009
TNHM-3000	£11,586	£12,324	£12,157	31300	354	10	2	020627	RS-200	£70	2	020705	£1,009
TNHM-3700	£13,056	£13,707	£13,735	48300	438	6	2	020630	RS-300	£96	3	020705	£1,009
TNHM-4700	£15,685	£16,629	£16,364	46950	500	10	2	020630	RS-300	£96	3	020705	£1,009
TNHM-6000	£20,018	£21,091	£20,799	62600	650	10	2	020642	RS-400	£112	4	020705	£1,009
Ø 710													
TNHM-2550	£12,548	£13,058	£13,119	45700	405	6	2	020627	RS-200	£70	2	020712	£2,326
TNHM-3850	£14,687	£15,425	£15,258	43800	445	10	2	020627	RS-200	£70	2	020712	£2,326
TNHM-4400	£17,707	£18,358	£18,386	68550	576	6	2	020630	RS-300	£96	3	020712	£2,326
TNHM-5200	£20,337	£21,280	£21,015	65700	640	10	2	020630	RS-300	£96	3	020712	£2,326
TNHM-7600	£26,372	£27,446	£27,154	87600	830	10	2	020642	RS-400	£112	4	020712	£2,326

TNHB

Fin Spacing 7 mm

Model Designation	Off Cycle Defrost	Normal Electric E	Hot Gas HG	Air Flow (m³/hr)	Weight (Kg)	Defrost Heaters (Electric Defrost Option)					Fans*		
						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	£9,191	£9,700	£9,762	33500	303	6	2	020627	RS-200	£70	2	020705	£1,009
TNHB-2350	£11,204	£11,942	£11,775	32500	340	10	2	020627	RS-200	£70	2	020705	£1,009
TNHB-2800	£12,669	£13,320	£13,348	50250	425	6	2	020630	RS-300	£96	3	020705	£1,009
TNHB-3800	£15,119	£16,063	£15,797	48750	480	10	2	020630	RS-300	£96	3	020705	£1,009
TNHB-5250	£19,263	£20,336	£20,044	65000	622	10	2	020642	RS-400	£112	4	020705	£1,009
Ø 710													
TNHB-2100	£12,283	£12,793	£12,854	48200	395	6	2	020627	RS-200	£70	2	020712	£2,326
TNHB-3100	£14,296	£15,034	£14,867	46000	433	10	2	020627	RS-200	£70	2	020712	£2,326
TNHB-3350	£17,307	£17,958	£17,986	72300	563	6	2	020630	RS-300	£96	3	020712	£2,326
TNHB-4800	£19,757	£20,701	£20,436	69000	620	10	2	020630	RS-300	£96	3	020712	£2,326
TNHB-6100	£25,599	£26,673	£26,381	92000	805	10	2	020642	RS-400	£112	4	020712	£2,326

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 TNH M / TNH B 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

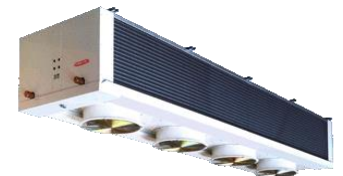
Model Designation	Off Cycle Defrost	Normal Electric E	Hot Gas HG	Air Flow (m³/hr)	Weight (Kg)	Defrost Heaters (Electric Defrost Option)					Fans*		
						Tray	Coil	Part No.	Model Number	List Price	Number	Part No.	List Price
Fan	List Price	List Price	List Price	At 0 Pa									
Ø 630													
TNHL-1500	£9,034	£9,543	£9,604	34000	300	6	2	020627	RS-200	£70	2	020705	£1,009
TNHL-2150	£10,971	£11,709	£11,541	33200	333	10	2	020627	RS-200	£70	2	020705	£1,009
TNHL-2500	£12,436	£13,086	£13,114	51000	417	6	2	020630	RS-300	£96	3	020705	£1,009
TNHL-3600	£14,773	£15,717	£15,451	49800	470	10	2	020630	RS-300	£96	3	020705	£1,009
TNHL-5050	£18,804	£19,877	£19,585	66400	605	10	2	020642	RS-400	£112	4	020705	£1,009
Ø 710													
TNHL-1700	£12,117	£12,626	£12,687	49000	390	6	2	020627	RS-200	£70	2	020712	£2,326
TNHL-2650	£14,054	£14,792	£14,624	47500	425	10	2	020627	RS-200	£70	2	020712	£2,326
TNHL-2850	£17,065	£17,716	£17,743	73500	555	6	2	020630	RS-300	£96	3	020712	£2,326
TNHL-4200	£19,402	£20,346	£20,080	71250	610	10	2	020630	RS-300	£96	3	020712	£2,326
TNHL-5800	£25,128	£26,201	£25,909	95000	790	10	2	020642	RS-400	£112	4	020712	£2,326

TNHX

Fin Spacing 12 mm

Model Designation	Off Cycle Defrost	Normal Electric E	Hot Gas HG	Air Flow (m³/hr)	Weight (Kg)	Defrost Heaters (Electric Defrost Option)					Fans*		
						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													
TNHX-1250	£8,764	£9,256	£9,335	34200	305	6	2	020627	RS-200	£70	2	020705	£1,009
TNHX-1750	£10,535	£11,240	£11,105	33500	345	10	2	020627	RS-200	£70	2	020705	£1,009
TNHX-2000	£11,982	£12,619	£12,650	51300	428	6	2	020630	RS-300	£96	3	020705	£1,009
TNHX-2900	£14,157	£15,070	£14,825	50250	485	10	2	020630	RS-300	£96	3	020705	£1,009
TNHX-4000	£18,004	£19,057	£18,765	67000	627	10	2	020642	RS-400	£112	4	020705	£1,009
Ø 710													
TNHX-1600	£11,415	£11,908	£11,986	49600	397	6	2	020627	RS-200	£70	2	020712	£2,326
TNHX-2200	£13,186	£13,892	£13,757	48600	435	10	2	020627	RS-200	£70	2	020712	£2,326
TNHX-2450	£15,964	£16,601	£16,632	74400	565	6	2	020630	RS-300	£96	3	020712	£2,326
TNHX-3400	£18,130	£19,043	£18,798	72900	625	10	2	020630	RS-300	£96	3	020712	£2,326
TNHX-5300	£23,559	£24,612	£24,319	97200	810	10	2	020642	RS-400	£112	4	020712	£2,326

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.**



CB Range

Axial Fans Air Cooled Condensers

CBN

R-404A

Model	List Price	Fans			Air Flow (m³/hr)	Weight (Kg)
		Number	Part No.	List Price		
Designation						
Fan					1000rpm	
Ø 500						
CBN-22	£1,484	1	020700	£498	5050	60
CBN-25	£1,605	1	020700	£498	4800	65
CBN-29	£1,826	1	020700	£498	4450	73
CBN-45	£2,483	2	020700	£498	10100	109
CBN-51	£2,680	2	020700	£498	9600	116
CBN-57	£3,062	2	020700	£498	8900	133
CBN-67	£3,434	3	020700	£498	15150	156
CBN-76	£3,721	3	020700	£498	14400	168
CBN-86	£4,292	3	020700	£498	13350	197
Ø 630						
CBN-94	£4,435	2	020706	£949	21800	192
CBN-107	£4,803	2	020706	£949	21000	208
CBN-121	£5,545	2	020706	£949	20000	242
CBN-140	£6,233	3	020706	£949	32700	278
CBN-160	£6,880	3	020706	£949	31500	304
CBN-181	£7,923	3	020706	£949	30000	354
CBN-189	£8,422	4	020706	£949	41600	404
CBN-210	£9,285	4	020706	£949	40500	453
Ø 800						
CBN-123	£5,829	2	020710	£1,221.00	29200	305
CBN-137	£6,386	2	020710	£1,221.00	27000	338
CBN-185	£8,292	3	020710	£1,221.00	43800	445
CBN-206	£9,137	3	020710	£1,221.00	40500	496
CBN-247	£10,309	4	020710	£1,221.00	58400	585
CBN-274	£11,567	4	020710	£1,221.00	54000	653
CBN-309	£12,753	5	020710	£1,221.00	73000	726
CBN-343	£14,142	5	020710	£1,221.00	67500	811
CBN-380	£15,228	6	020710	£1,221.00	90000	907
CBN-424	£16,980	6	020710	£1,221.00	83400	1,015
CBN-506	£19,550	8	020710	£1,221.00	120000	1,197
CBN-566	£22,058	8	020710	£1,221.00	111200	1,340
CBN-638	£26,413	8	020710	£1,221.00	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



CBS

Silent

Model	List Price	Fans			Air Flow (m³/hr)	Weight (Kg)
Designation Fan		Number	Part No.	List Price	1000rpm	
Ø 500						
New Model						
CBS-13	£1,484	1	MB.50.T8	£498	2660	56
CBS-14	£1,605	1	MB.50.T8	£498	2500	60
CBS-26	£1,826	2	MB.50.T8	£498	5320	100
CBS-29	£2,483	2	MB.50.T8	£498	5000	108
CBS-40	£2,680	3	MB.50.T8	£498	7980	142
CBS-43	£3,062	3	MB.50.T8	£498	7500	155
Ø 630						
CBS-51	£4,435	2	020704	£787	13820	176
CBS-58	£4,803	2	020704	£787	12900	193
CBS-61	£5,545	2	020704	£787	11620	226
CBS-77	£6,233	3	020704	£787	20730	254
CBS-86	£6,880	3	020704	£787	19350	280
CBS-92	£7,923	3	020704	£787	17430	330
CBS-104	£8,422	4	020704	£787	24700	373
CBS-113	£9,285	4	020704	£787	22850	421
Ø 800						
CBS-73	£5,829	2	020709	£1,221	11780	293
CBS-78	£6,386	2	020709	£1,221	10930	327
CBS-110	£8,292	3	020709	£1,221	17670	428
CBS-117	£9,137	3	020709	£1,221	16395	479
CBS-146	£10,309	4	020709	£1,221	23560	562
CBS-156	£11,567	4	020709	£1,221	21860	630
CBS-183	£12,753	5	020709	£1,221	29450	698
CBS-195	£14,142	5	020709	£1,221	27325	783
CBS-226	£15,228	6	020709	£1,221	36060	874
CBS-243	£16,980	6	020709	£1,221	33540	981
CBS-301	£19,550	8	020709	£1,221	48080	1,152
CBS-324	£22,058	8	020709	£1,221	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 Frimetal technical catalogue which can be downloaded from our website.



VC Range

Axial Fans Air Cooled Condensers

VCN

R-404A

Model	List Price	Fans			Air Flow (m ³ /hr) 1000rpm	Weight (Kg)
		Number	Part No.	List Price		
Designation						
Fan						
Ø 800						
VCN-154	£6,839	2	020710	£1,221	33400	335
VCN-172	£7,657	2	020710	£1,221	32000	380
VCN-231	£9,797	3	020710	£1,221	50100	485
VCN-258	£11,060	3	020710	£1,221	48000	560
VCN-307	£12,597	4	020710	£1,221	66800	645
VCN-344	£14,090	4	020710	£1,221	64000	745
VCN-385	£15,340	5	020710	£1,221	83500	795
VCN-430	£17,367	5	020710	£1,221	80000	920
VCN-461	£18,077	6	020710	£1,221	100200	955
VCN-515	£20,490	6	020710	£1,221	96000	1,105
VCN-276	£12,155	4	020710	£1,221	62000	720
VCN-308	£13,468	4	020710	£1,221	59200	770
VCN-413	£17,137	6	020710	£1,221	93000	1,020
VCN-463	£19,240	6	020710	£1,221	88800	1,100
VCN-551	£23,033	8	020710	£1,221	124000	1,330
VCN-617	£25,177	8	020710	£1,221	118400	1,430
VCN-689	£28,071	10	020710	£1,221	155000	1,630
VCN-771	£31,231	10	020710	£1,221	148000	1,760
VCN-827	£33,097	12	020710	£1,221	186000	1,930
VCN-925	£36,832	12	020710	£1,221	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.



VCS

Silent

Model	List Price	Fans			Air Flow (m³/hr)	Weight (Kg)
		Number	Part No.	List Price		
Designation Fan					1000rpm	
Ø 800						
VCS-89	£6,839	2	020709	£1,221	13300	325
VCS-95	£7,657	2	020709	£1,221	12600	370
VCS-134	£9,797	3	020709	£1,221	19950	470
VCS-143	£11,060	3	020709	£1,221	18900	545
VCS-178	£12,597	4	020709	£1,221	26600	625
VCS-191	£14,090	4	020709	£1,221	25200	725
VCS-223	£15,340	5	020709	£1,221	33250	770
VCS-239	£17,367	5	020709	£1,221	31500	895
VCS-267	£18,077	6	020709	£1,221	39900	925
VCS-286	£20,490	6	020709	£1,221	37800	1,075
VCS-162	£12,155	4	020709	£1,221	24700	700
VCS-174	£13,468	4	020709	£1,221	23200	750
VCS-244	£17,137	6	020709	£1,221	37050	990
VCS-262	£19,240	6	020709	£1,221	34800	1,070
VCS-325	£23,033	8	020709	£1,221	49400	1,290
VCS-349	£25,177	8	020709	£1,221	46400	1,390
VCS-406	£28,071	10	020709	£1,221	61750	1,580
VCS-436	£31,231	10	020709	£1,221	58000	1,710
VCS-487	£33,097	12	020709	£1,221	74100	1,870
VCS-523	£36,832	12	020709	£1,221	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

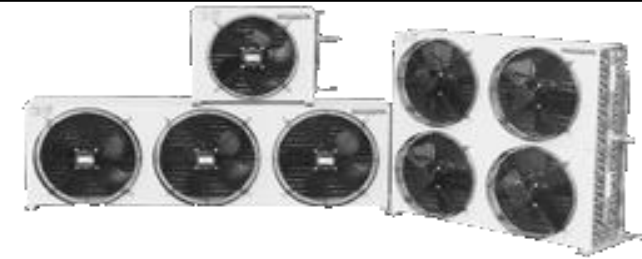
Compact Condensers with Axial Fans

Model Designation	List Price	Weight (Kg)	Fans		
			Number	Part No.	List Price
Fan					
Ø 300					
CPN-42	£445	12	1	020820	£204
CPN-54	£589	15	1	020820	£204
CPN-83	£710	21	2	020820	£204
CPN-109	£863	26	2	020820	£204
Ø 400					
CPN-153	£1,164	29	2	020822	£289
CPN-209	£1,375	36	2	020822	£289
CPN-283	£1,721	47	3	020822	£289
CPN-313	£1,870	53	3	020822	£289
CPN-377	£2,180	61	4	020822	£289
CPN-418	£2,355	69	4	020822	£289

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 their 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	£53	£45	£51
NCF-82	£59	£52	£58
NCF-83	£77	£69	£76
NCF-84	£94	£86	£93
NCF-93	£89	£81	£86
NCF-94	£110	£101	£107
NCF-104	£126	£116	£122
NCF-114	£168	£157	£164
NCF-124	£188	£176	£182
NCF-144	£228	£214	£222
NCF 94-D	£195	£179	£190
NCF 104-D	£223	£206	£217
NCF 114-D	£254	£236	£247
NCF 124-D	£287	£266	£278
NCF 144-D	£360	£333	£347

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)
Designation Fan		Number	Part No.	List Price		
9/9					1,300 rpm	
KCN-12	£1,559	1	020681	£456	4470	46
KCN-14	£1,631	1	020681	£456	4330	49
KCN-17	£1,770	1	020681	£456	4100	54
KCN-25	£2,554	2	020681	£456	8940	86
KCN-29	£2,662	2	020681	£456	8660	91
KCN-33	£2,895	2	020681	£456	8200	100
KCN-37	£3,533	3	020681	£456	13410	126
KCN-43	£3,695	3	020681	£456	12990	132
KCN-50	£3,996	3	020681	£456	12300	146
12/12					900 rpm	
KCN-24	£2,206	1	020684	£623	7560	78
KCN-27	£2,300	1	020684	£623	7390	83
KCN-31	£2,484	1	020684	£623	7000	92
KCN-48	£3,698	2	020684	£623	15120	146
KCN-55	£3,873	2	020684	£623	14780	154
KCN-63	£4,206	2	020684	£623	14000	171
KCN-71	£5,227	3	020684	£623	22680	213
KCN-82	£5,479	3	020684	£623	22170	225
KCN-94	£5,932	3	020684	£623	21000	251
KCN-110	£7,115	4	020684	£623	29560	297
KCN-125	£7,695	4	020684	£623	28000	330
18/18					686 rpm	
KCN-134	£9,016	2	020685	£828	41800	570
KCN-153	£9,619	2	020685	£828	40500	604
KCN-201	£12,768	3	020685	£828	62700	850
KCN-229	£13,757	3	020685	£828	60750	900
KCN-268	£17,096	4	020685	£828	83600	1,115
KCN-306	£18,310	4	020685	£828	81000	1,180
KCN-335	£20,951	5	020685	£828	104500	1,390
KCN-382	£22,417	5	020685	£828	101250	1,470
KCN-458	£26,600	6	020685	£828	121500	1,755
KCN-527	£29,989	6	020685	£828	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.



KCS

Silent

Model	List Price	Fans			Air Flow (m³/hr)	Weight (Kg)
		Number	Part No.	List Price		
Designation Fan						
9/9					900 rpm	
KCS-10	£1,509	1	020682	£409	3070	43
KCS-11	£1,586	1	020682	£409	3010	46
KCS-13	£1,738	1	020682	£409	2840	41
KCS-20	£2,432	2	020682	£409	6140	80
KCS-23	£2,563	2	020682	£409	6020	85
KCS-25	£2,792	2	020682	£409	5680	94
KCS-30	£3,327	3	020682	£409	9210	117
KCS-33	£3,502	3	020682	£409	9030	123
KCS-38	£3,817	3	020682	£409	8520	137
10/10					900 rpm	
KCS-17	£2,152	1	020683	£526	4910	71
KCS-19	£2,278	1	020683	£526	4840	76
KCS-22	£2,516	1	020683	£526	4700	85
KCS-34	£3,379	2	020683	£526	9820	132
KCS-39	£3,608	2	020683	£526	9680	140
KCS-44	£4,044	2	020683	£526	9400	157
KCS-51	£4,652	3	020683	£526	14730	192
KCS-58	£4,980	3	020683	£526	14520	204
KCS-65	£5,573	3	020683	£526	14100	230
KCS-78	£6,392	4	020683	£526	19360	169
KCS-87	£7,147	4	020683	£526	18800	302
18/18					493 rpm	
KCS-107	£7,884	2	020687	£488	107	520
KCS-120	£8,486	2	020687	£488	120	554
KCS-161	£11,060	3	020687	£488	161	775
KCS-180	£12,058	3	020687	£488	180	825
KCS-214	£14,822	4	020687	£488	214	1,015
KCS-240	£16,036	4	020687	£488	240	1,080
KCS-268	£18,111	5	020687	£488	268	1,265
KCS-300	£19,567	5	020687	£488	300	1,345
KCS-359	£23,184	6	020687	£488	359	1,605
KCS-400	£26,582	6	020687	£488	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 Frimetal technical catalogue which can be downloaded from our website.



Model	List Price	Fans			Air Flow (m ³ /hr) 1610 rpm	Weight (Kg)
Designation Fan		Number	Part No.	List Price		
Ø 500			New Model			
CBE-26	£2,693	1	EC.50.T.VR1	£1,753	8700	55
CBE-30	£2,832	1	EC.50.T.VR1	£1,753	8350	59
CBE-35	£3,097	1	EC.50.T.VR1	£1,753	7700	68
CBE-53	£4,800	2	EC.50.T.VR1	£1,753	17400	96
CBE-61	£5,065	2	EC.50.T.VR1	£1,753	16700	104
CBE-70	£5,568	2	EC.50.T.VR1	£1,753	15400	121
CBE-79	£6,943	3	EC.50.T.VR1	£1,753	26100	137
CBE-91	£7,275	3	EC.50.T.VR1	£1,753	25050	149
CBE-105	£7,905	3	EC.50.T.VR1	£1,753	23100	174
Ø 800			New Model			
CBE-77	£5,505	1	EC.80.T.VR1	£2,562	22400	188
CBE-87	£5,932	1	EC.80.T.VR1	£2,562	21350	206
CBE-152	£9,665	2	EC.80.T.VR1	£2,562	44800	334
CBE-173	£10,469	2	EC.80.T.VR1	£2,562	42700	370
CBE-228	£13,764	3	EC.80.T.VR1	£2,562	67200	488
CBE-259	£14,887	3	EC.80.T.VR1	£2,562	64050	541
CBE-304	£17,868	4	EC.80.T.VR1	£2,562	89600	635
CBE-345	£19,450	4	EC.80.T.VR1	£2,562	85400	705
CBE-389	£24,124	6	EC.80.T.VR1	£2,562	122400	821
CBE-443	£26,249	6	EC.80.T.VR1	£2,562	115200	903
CBE-518	£31,727	8	EC.80.T.VR1	£2,562	163200	1,073
CBE-591	£34,226	8	EC.80.T.VR1	£2,562	153600	1,183
CBE-661	£39,021	8	EC.80.T.VR1	£2,562	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 and 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.



Model	List Price	Fans			Air Flow (m ³ /hr)	Weight (Kg)
		Number	Part No.	List Price		
Designation Fan					1025 rpm	
Ø 800			New Model			
VCE-164	£9,837	2	EC.80.T.VR1	£2,562	45600	369
VCE-187	£10,725	2	EC.80.T.VR1	£2,562	43700	407
VCE-246	£14,423	3	EC.80.T.VR1	£2,562	68400	530
VCE-280	£15,797	3	EC.80.T.VR1	£2,562	65550	587
VCE-328	£18,371	4	EC.80.T.VR1	£2,562	91200	691
VCE-373	£20,047	4	EC.80.T.VR1	£2,562	87400	767
VCE-410	£22,593	5	EC.80.T.VR1	£2,562	114000	852
VCE-466	£24,859	5	EC.80.T.VR1	£2,562	109250	946
Ø 800			New Model			
VCE-294	£17,567	4	EC.80.T.VR1	£2,562	86000	726
VCE-335	£19,051	4	EC.80.T.VR1	£2,562	81500	789
VCE-441	£25,830	6	EC.80.T.VR1	£2,562	129000	1,039
VCE-502	£28,078	6	EC.80.T.VR1	£2,562	122250	1,134
VCE-588	£33,804	8	EC.80.T.VR1	£2,562	172000	1,352
VCE-670	£36,619	8	EC.80.T.VR1	£2,562	163000	1,478
VCE-735	£41,693	10	EC.80.T.VR1	£2,562	215000	1,665
VCE-837	£45,300	10	EC.80.T.VR1	£2,562	203750	1,822
Ø 910			New Model			
VCE-211	£11,991	2	EC.91.T.VR1	£3,173	59700	426
VCE-240	£13,101	2	EC.91.T.VR1	£3,173	57000	474
VCE-316	£17,695	3	EC.91.T.VR1	£3,173	89550	614
VCE-360	£19,389	3	EC.91.T.VR1	£3,173	85500	685
VCE-422	£22,661	4	EC.91.T.VR1	£3,173	119400	802
VCE-480	£24,746	4	EC.91.T.VR1	£3,173	114000	896
VCE-527	£28,143	5	EC.91.T.VR1	£3,173	149250	990
VCE-599	£30,862	5	EC.91.T.VR1	£3,173	142500	1,107
Ø 910			New Model			
VCE-401	£22,462	4	EC.91.T.VR1	£3,173	116060	906
VCE-457	£24,587	4	EC.91.T.VR1	£3,173	110400	993
VCE-601	£33,380	6	EC.91.T.VR1	£3,173	174090	1,305
VCE-686	£36,369	6	EC.91.T.VR1	£3,173	165600	1,435
VCE-801	£43,631	8	EC.91.T.VR1	£3,173	232120	1,705
VCE-914	£47,523	8	EC.91.T.VR1	£3,173	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 and 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

Air Cooled Condensers with Electronic EC Axial Fans

Model	List Price	Air Flow (m ³ /hr)	Weight (Kg)
Designation Fan		1300 rpm	
Ø 630			
VRE-55	£6,031	14860	250
VRE-63	£6,386	14700	264
VRE-74	£7,299	14400	291
VRE-109	£10,810	29720	453
VRE-127	£11,560	29400	479
VRE-147	£12,882	28800	532
VRE-190	£16,730	44100	694
VRE-221	£18,654	43200	773
VRE-253	£21,120	58800	927
VRE-294	£23,520	57600	1,032

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 and 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 (m ³ /hr)	Weight (Kg)
Designation		Number	Part No.	List Price	1310 rpm	
Fan						
Ø 630						
ALN-94	£4,435	2	020706	£949	28000	197
ALN-107	£4,803	2	020706	£949	27000	214
ALN-121	£5,545	2	020706	£949	25500	248
ALN-140	£6,233	3	020706	£949	42000	285
ALN-160	£6,880	3	020706	£949	40500	312
ALN-181	£7,923	3	020706	£949	38250	363
ALN-210	£9,285	4	020706	£949	51600	465
ALN-230	£10,926	4	020706	£949	49200	563
Ø 800						
ALN-123	£5,829	2	020710	£1,221	38400	307
ALN-137	£6,386	2	020710	£1,221	36200	341
ALN-185	£8,292	3	020710	£1,221	57600	449
ALN-206	£9,137	3	020710	£1,221	54300	500
ALN-247	£10,309	4	020710	£1,221	76800	589
ALN-274	£11,567	4	020710	£1,221	72400	659
ALN-309	£12,753	5	020710	£1,221	96000	749
ALN-343	£14,142	5	020710	£1,221	90500	818
ALN-380	£15,228	6	020710	£1,221	118800	915
ALN-424	£16,980	6	020710	£1,221	111600	1,024
ALN-506	£19,550	8	020710	£1,221	158400	1,208
ALN-566	£22,058	8	020710	£1,221	148800	1,351
ALN-638	£26,413	8	020710	£1,221	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



ALS

Silent

Model	List Price	Fans			Air Flow	Weight (Kg)
Designation		Number	Part No.	List Price	(m³/hr)	
Fan					850 rpm	
Ø 630						
ALS-51	£4,435	2	020704	£787	18000	181
ALS-58	£4,803	2	020704	£787	17100	198
ALS-61	£5,545	2	020704	£787	15700	232
ALS-77	£6,233	3	020704	£787	27000	261
ALS-86	£6,880	3	020704	£787	25650	288
ALS-92	£7,923	3	020704	£787	23550	339
ALS-113	£9,285	4	020704	£787	30900	432
ALS-120	£10,926	4	020704	£787	27350	482
Ø 800						
ALS-73	£5,829	2	020709	£1,221	15890	296
ALS-78	£6,386	2	020709	£1,221	14700	330
ALS-110	£8,292	3	020709	£1,221	23835	432
ALS-117	£9,137	3	020709	£1,221	22050	488
ALS-146	£10,309	4	020709	£1,221	31780	567
ALS-156	£11,567	4	020709	£1,221	29400	636
ALS-183	£12,753	5	020709	£1,221	39725	704
ALS-195	£14,142	5	020709	£1,221	36750	790
ALS-226	£15,228	6	020709	£1,221	48660	881
ALS-243	£16,980	6	020709	£1,221	45150	990
ALS-301	£19,550	8	020709	£1,221	64880	1,163
ALS-324	£22,058	8	020709	£1,221	60200	1,306
ALS-350	£26,413	8	020709	£1,221	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



VLN

R-404A

Model	List Price	Fans			Air Flow (m³/hr)	Weight (Kg)
		Number	Part No.	List Price		
Designation						
Fan					1000rpm	
Ø 800						
VLN-154	£6,839	2	020710	£1,221	43600	342
VLN-172	£7,657	2	020710	£1,221	42000	388
VLN-231	£9,797	3	020710	£1,221	65400	495
VLN-258	£11,060	3	020710	£1,221	63000	571
VLN-307	£12,597	4	020710	£1,221	87200	658
VLN-344	£14,090	4	020710	£1,221	84000	760
VLN-385	£15,340	5	020710	£1,221	109000	811
VLN-430	£17,367	5	020710	£1,221	105000	938
VLN-461	£18,077	6	020710	£1,221	130800	974
VLN-515	£20,490	6	020710	£1,221	126000	1,127
VLN-276	£12,155	4	020710	£1,221	80800	720
VLN-308	£13,468	4	020710	£1,221	77200	770
VLN-413	£17,137	6	020710	£1,221	121200	1,020
VLN-463	£19,240	6	020710	£1,221	115800	1,100
VLN-551	£23,033	8	020710	£1,221	161600	1,330
VLN-617	£25,177	8	020710	£1,221	154400	1,430
VLN-689	£28,071	10	020710	£1,221	202000	1,630
VLN-771	£31,231	10	020710	£1,221	193000	1,760
VLN-827	£33,097	12	020710	£1,221	242400	1,930
VLN-925	£36,832	12	020710	£1,221	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 Frimetal technical catalogue which can be downloaded from our website.



VLS

Silent

Model	List Price	Fans			Air Flow (m³/hr)	Weight (Kg)
Designation		Number	Part No.	List Price	1000rpm	
Fan Ø 800						
VLS-89	£6,839	2	020709	£1,221	18000	332
VLS-95	£7,657	2	020709	£1,221	17000	377
VLS-134	£9,797	3	020709	£1,221	27000	480
VLS-143	£11,060	3	020709	£1,221	25500	556
VLS-178	£12,597	4	020709	£1,221	36000	638
VLS-191	£14,090	4	020709	£1,221	34000	740
VLS-223	£15,340	5	020709	£1,221	45000	785
VLS-239	£17,367	5	020709	£1,221	42500	913
VLS-267	£18,077	6	020709	£1,221	54000	944
VLS-286	£20,490	6	020709	£1,221	51000	1,097
VLS-162	£12,155	4	020709	£1,221	33400	700
VLS-174	£13,468	4	020709	£1,221	31200	750
VLS-244	£17,137	6	020709	£1,221	50100	990
VLS-262	£19,240	6	020709	£1,221	46800	1,070
VLS-325	£23,033	8	020709	£1,221	66800	1,290
VLS-349	£25,177	8	020709	£1,221	62400	1,390
VLS-406	£28,071	10	020709	£1,221	83500	1,580
VLS-436	£31,231	10	020709	£1,221	78000	1,710
VLS-487	£33,097	12	020709	£1,221	100200	1,870
VLS-523	£36,832	12	020709	£1,221	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 Frimetal technical catalogue



Model	List Price	Fans			Air Flow (m ³ /hr) 1025 rpm	Weight (Kg)
Designation Fan		Number	Part No.	List Price		
Ø 800			New Model			
ALE-77	£5,505	1	EC.80.T.VR1	£2,562	22400	203
ALE-87	£5,932	1	EC.80.T.VR1	£2,562	21350	221
ALE-152	£9,665	2	EC.80.T.VR1	£2,562	44800	354
ALE-173	£10,469	2	EC.80.T.VR1	£2,562	42700	389
ALE-228	£13,764	3	EC.80.T.VR1	£2,562	67200	514
ALE-259	£14,887	3	EC.80.T.VR1	£2,562	64050	567
ALE-304	£17,868	4	EC.80.T.VR1	£2,562	89600	660
ALE-345	£19,450	4	EC.80.T.VR1	£2,562	85400	742
ALE-389	£24,124	6	EC.80.T.VR1	£2,562	122400	857
ALE-443	£26,249	6	EC.80.T.VR1	£2,562	115200	950
ALE-518	£31,727	8	EC.80.T.VR1	£2,562	163200	1,120
ALE-591	£34,226	8	EC.80.T.VR1	£2,562	153600	1,230
ALE-661	£39,021	8	EC.80.T.VR1	£2,562	139200	1,467

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.



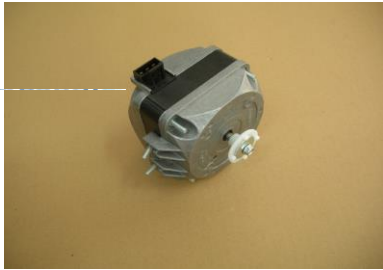
Model Designation Fan	List Price	Fans			Air Flow (m³/hr) 1025 rpm	Weight (Kg)
		Number	Part No.	List Price		
Ø 800						
New Model						
VLE-164	£9,837	2	EC.80.T.VR1	£2,562	45600	396
VLE-187	£10,725	2	EC.80.T.VR1	£2,562	43700	434
VLE-246	£14,423	3	EC.80.T.VR1	£2,562	68400	565
VLE-280	£15,797	3	EC.80.T.VR1	£2,562	65550	621
VLE-328	£18,371	4	EC.80.T.VR1	£2,562	91200	725
VLE-373	£20,047	4	EC.80.T.VR1	£2,562	87400	801
VLE-410	£22,593	5	EC.80.T.VR1	£2,562	114000	886
VLE-466	£24,859	5	EC.80.T.VR1	£2,562	109250	990
Ø 800						
New Model						
VLE-294	£17,567	4	EC.80.T.VR1	£2,562	86000	767
VLE-335	£19,051	4	EC.80.T.VR1	£2,562	81500	830
VLE-441	£25,830	6	EC.80.T.VR1	£2,562	129000	1,093
VLE-502	£28,078	6	EC.80.T.VR1	£2,562	122250	1,187
VLE-588	£33,804	8	EC.80.T.VR1	£2,562	172000	1,401
VLE-670	£36,619	8	EC.80.T.VR1	£2,562	163000	1,550
VLE-735	£41,693	10	EC.80.T.VR1	£2,562	215000	1,738
VLE-837	£45,300	10	EC.80.T.VR1	£2,562	203750	1,894
Ø 910						
New Model						
VLE-211	£11,991	2	EC.91.T.VR1	£3,173	59700	454
VLE-240	£13,101	2	EC.91.T.VR1	£3,173	57000	512
VLE-316	£17,695	3	EC.91.T.VR1	£3,173	89550	651
VLE-360	£19,389	3	EC.91.T.VR1	£3,173	85500	722
VLE-422	£22,661	4	EC.91.T.VR1	£3,173	119400	850
VLE-480	£24,746	4	EC.91.T.VR1	£3,173	114000	944
VLE-527	£28,143	5	EC.91.T.VR1	£3,173	149250	1,038
VLE-599	£30,862	5	EC.91.T.VR1	£3,173	142500	1,155
Ø 910						
New Model						
VLE-401	£22,462	4	EC.91.T.VR1	£3,173	116060	948
VLE-457	£24,587	4	EC.91.T.VR1	£3,173	110400	1,048
VLE-601	£33,380	6	EC.91.T.VR1	£3,173	174090	1,356
VLE-686	£36,369	6	EC.91.T.VR1	£3,173	165600	1,511
VLE-801	£43,631	8	EC.91.T.VR1	£3,173	232120	1,782
VLE-914	£47,523	8	EC.91.T.VR1	£3,173	220800	1,954

VLE Series are liquid coolers with electronic EC axial fans and coils forming 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.

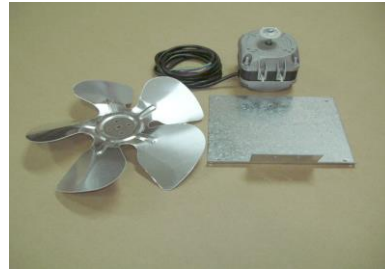
Notes: Further details are available in the Frimetal technical catalogue which can be downloaded from our website.



Spare Parts



MQ.M4.10 E Ø 230



MQ.M4.5 Ø 150
MQ.M4.10 Ø 230



M1.30.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 Frimetal 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:

BKW	Spares
CAEN	Industrial Valves
Carly	Line Components
Frimetal	Condensers and Evaporators
GEA-Bock	Compressors and Condensing Units
Siccom	Cndensate Pumps
Sinclair	Air Conditioning Equipment
Yellow Jacket	Recovery Equipment and Tools

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

You may also be interested in:-



Practical Refrigeration Training Centre Ltd

A training centre offering a wide range of short, practical, Refrigeration, Air Conditioning and Electrical courses. Longer, QCF RAC apprenticeships (level 2 or level 3) are also available.

For more information, follow the links from our website, go direct to www.prtc.co.uk or telephone 01282 452152



Controls UK Ltd

A specialist wholesaler selling ALRE and ML Electronics ranges of controls for pressure, temperature, humidity and flow in a wide range of applications.

For more information, follow the links from our website, go direct to www.controls-uk.co.uk or telephone 01282 433380

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 very 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 repossessing 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.