

KIRBY® DROP-IN Packaged Refrigeration Units

Our 'plug and play' systems
come ready to run and
easy to install

Exclusively distributed by

KIRBY
A BEIJER REF Company

KIRBY® DROP-IN

Packaged Refrigeration Units

Introduction

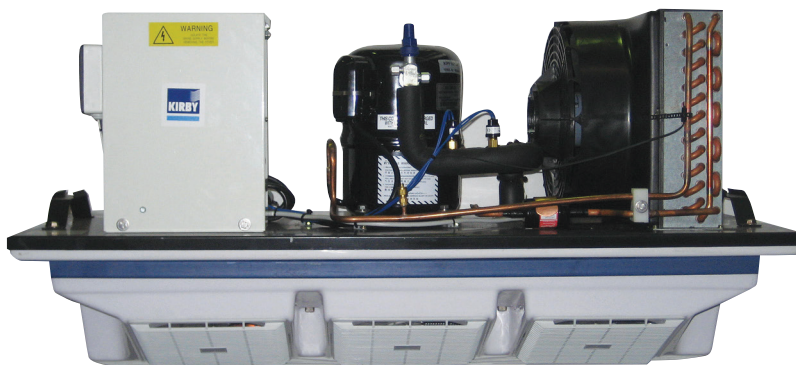
The Kirby® Drop-in unit range will make it easier for you to install and complete your job. These 'plug and play', feature-packed systems are supplied complete – ready to run and easy to install.

It means the hard work is taken out of the job, so you can be on your way, sooner. Now supplied with a Dixell control installed as standard on all models.

Features & Benefits

The Kirby® Drop-In Packaged Refrigeration Units offer:

- Evaporator coil corrosion protection, liquid line dryer, capillary tube refrigerant control, pressure control & Dixell electronic control on all units
- Medium Temperature Units feature off cycle defrost only
- Low Temperature Units feature electric defrost with temperature switch termination and a pressure safety switch
- Fully wired with 3-pin domestic cable plug for all units
- All models use CFC-free foam insulation
- New and improved, slimline electrical box
- Units are ready to install straight from the box
- Encapsulated pressure controls
- 3 different temperature probes (one for the evaporator coil, one for the condenser coil, and one for the room temperature)
- All tubes in the top half of the drop-in units have been modified and re-modelled
- Tube support and saddles for the drier to reduce vibration and noise
- All low temperature units are fitted with a suction accumulator
- All models come with a high efficiency internal float oil separator



Kirby® Drop-In Packaged Refrigeration Units – Nomenclature

KS	C	1800	4
Unit Type KP Low Profile Series KS Standard Profile Series		Application C = Cool Room Range, M/T F = Freezer Room Range, L/T	Release Number
		Unit Capacity (Watts) R134a for M/T & R404A for L/T eg: 1800 = 1800 Watts	

DROP-IN PACKAGED REFRIGERATION UNITS

R134a Medium Temperature Performance Data

PRODUCT NUMBER	AMBIENT TEMP. (°C)	CAPACITY (W)						REFRIGER- ANT CHARGE (gm)	AIR FLOW (l/s)	HORSE- POWER
		AIR ON TEMPERATURE								
		0	2	4	6	8	10			
MEDIUM TEMPERATURE APPLICATION – LOW PROFILE										
KPC800-6	35	690	750	810	870	940	1,010	910	165	1/3
	45	570	630	680	740	800	870			
KPC1000-6	35	920	990	1,080	1,160	1,260	1,360	1,000	235	3/8
	45	760	840	920	1,000	1,090	1,180			
KPC1400-6	35	1,270	1,370	1,480	1,590	1,710	1,830	1,190	270	5/8
	45	1,090	1,180	1,280	1,380	1,490	1,600			
KPC1700-6	35	1,470	1,570	1,690	1,810	1,950	2,090	1,190	270	3/4
	45	1,260	1,360	1,460	1,570	1,700	1,820			
MEDIUM TEMPERATURE APPLICATION – STANDARD										
KSC2000-6	35	1,870	2,010	2,170	2,310	2,500	2,690	1,710	388	1
	45	1,600	1,740	1,890	2,050	2,210	2,380			
KSC2700-6	35	2,380	2,580	2,800	3,030	3,260	3,510	1,990	750	1-1/4
	45	1,980	2,170	2,380	2,590	2,810	3,040			
KSC3500-6	35	3,030	3,290	3,550	3,830	4,120	4,420	2,420	760	1-1/2
	45	2,570	2,800	3,040	3,300	3,580	3,860			

DROP-IN PACKAGED REFRIGERATION UNITS

R404A Low Temperature Low Profile Performance Data

PRODUCT NUMBER	AMBIENT TEMPERATURE (°C)	CAPACITY (W)				REFRIGERANT CHARGE (gm)	AIR FLOW (l/s)	HORSE-POWER
		AIR ON TEMPERATURE						
		-25	-20	-15	-10			
LOW TEMPERATURE APPLICATION – LOW PROFILE								
KPF1000-4	35	455	645	870	1,060	975	235	3/4
	43	290	460	680	905			
KPF1200-4	35	555	790	1,065	1,295	820	235	1
	43	355	565	830	1,110			
KSF1500-4	35	735	1,050	1,410	1,720	1,450	530	1-1/4
	43	470	745	1,100	1,470			
KSF2000-4	35	950	1,355	1,820	2,220	1,500	750	1-1/2
	43	610	965	1,420	1,900			

DROP-IN PACKAGED REFRIGERATION UNITS

Technical Data

PRODUCT NUMBER	ELECTRICAL DATA				DIMENSIONS			WEIGHT (kg)
	SUPPLY	LRA	RLA	MCC	HEIGHT	WIDTH	DEPTH	
	(V/Ph)	(A/Ph)	(A/Ph)	(A/Ph)	(mm)			
MEDIUM TEMPERATURE – LOW PROFILE								
KPC800-6	240 / 1	13.9	3.9	4.9	500	890	500	35
KPC1000-6	240 / 1	14.4	4.4	5.4	577	1,117	507	50
KPC1400-6	240 / 1	31.9	4.6	5.5	577	1,117	507	65
KPC1700-6	240 / 1	35.9	6.4	8	577	1,117	507	65
MEDIUM TEMPERATURE – STANDARD								
KSC2000-6	240 / 1	35.8	5.8	7.5	950	705	595	112
KSC2700-6	240 / 1	44.8	8.7	11.2	996	1,150	730	145
KSC3500-6	240 / 1	44.8	9.7	12.5	1,057	1,150	730	177
LOW TEMPERATURE – LOW PROFILE								
KPF1000-4	240 / 1	30.0	4.2	7.7	577	1,117	507	48
KPF1200-4	240 / 1	36.0	6.7	8.9	577	1,117	507	60
KSF1500-4	240 / 1	43.0	7.9	10.9	964	705	595	108
KSF2000-4	240 / 1	43.0	10.6	14.1	996	1,150	730	155

DROP-IN PACKAGED REFRIGERATION UNITS

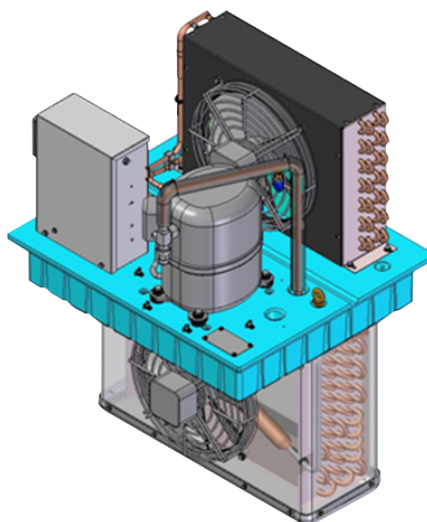
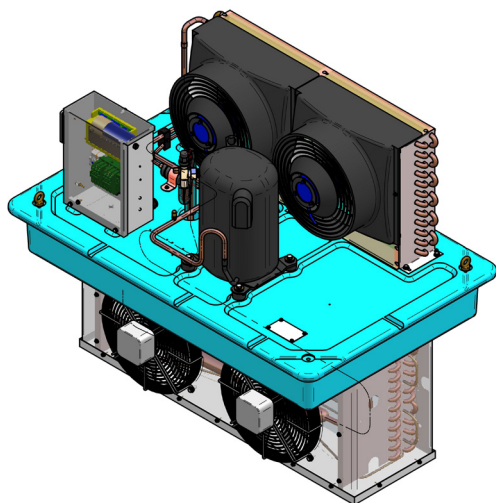
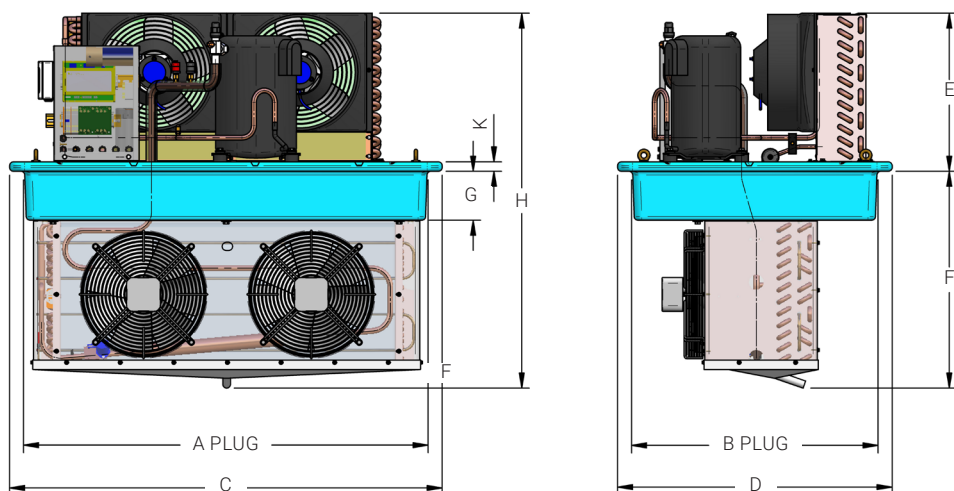
Physical Data

PRODUCT NUMBER	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	K (mm)
MEDIUM TEMPERATURE									
KPC800-6	810	420	890	500	290	210	60	500	20
KPC1000-6	1,030	420	1,117	507	351	226	35	577	33
KPC1400-6	1,030	420	1,117	507	351	226	35	577	33
KPC1700-6	1,030	420	1,117	507	351	226	35	577	33
KSC2000-6	645	535	705	595	436	566	105	1,013	20
KSC2700-6	1,070	645	1,150	730	420	576	130	996	25
KSC3500-6	1,070	645	1,150	730	420	637	130	1,057	25
LOW TEMPERATURE									
KPF1000-4	1,030	420	1,117	507	351	226	35	577	33
KPF1200-4	1,030	420	1,117	507	351	226	35	577	33
KSF1500-4	645	535	705	595	385	579	105	964	20
KSF2000-4	1,070	645	1,150	730	420	576	130	996	25
KSFT2600-4	1,070	645	1,150	730	430	637	130	1,067	25

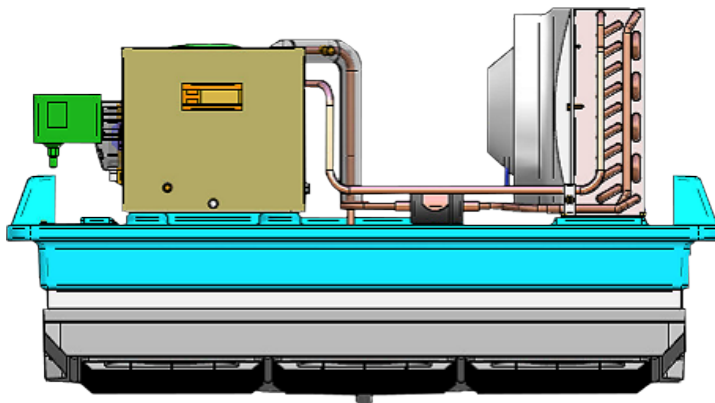
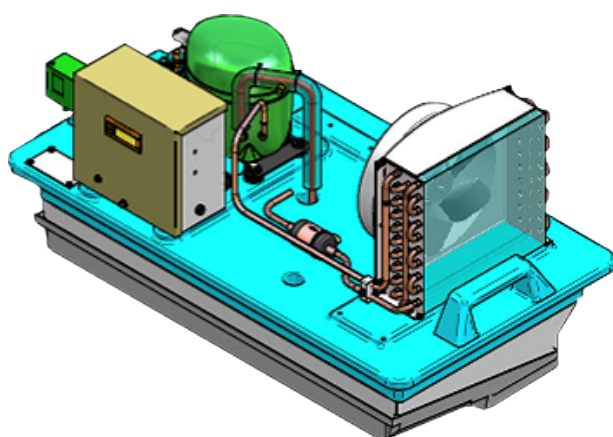
DROP-IN PACKAGED REFRIGERATION UNITS

Physical Data

Standard



Low Profile





13 23 50
kirbyhvacr.com.au

Exclusively distributed by

KIRBY
A **BEIJER REF** Company

The contents of this brochure are copyright protected and may not be reproduced in any form without the written consent of Kirby HVAC&R Pty Ltd (T/A Kirby). Recommendations and advice regarding the use of the products described in this publication are to be taken as a guide only and are given without liability on the part of the company or its employees. As Kirby continually improves its product range and processes, Kirby reserves the right to change product specifications without any prior notification. Please refer to the kirbyhvacr.com.au website for the latest version of this publication. The purchaser should independently determine the suitability of the product for the intended use and application and that the product complies with relevant standards. Kirby accepts no responsibility for loss or damage (direct or indirect and including consequential loss, loss of profits or opportunity and economic loss) however arising which results from any errors or omissions in the information contained in this publication or arising from the use or application of the information contained herein.

Kirby HVAC&R Pty Ltd continually strives to improve products and processes. We reserve the right to modify product features without notice. Information is correct at time of printing.

© Copyright 2021 Kirby HVAC&R Pty Ltd
Information is correct at time of printing.