

K Series

Fully featured, 60 Hz Scroll
Condensing Units



COPELAND





A key objective of launching K Series unit is to offer a competitive product that:

- Operates at 49 C+ ambient.
- Offers all required electrical: 230V or 380V – 3 Phase / 60 Hz.
- Allows compatibility with future, low GWP refrigerants.

الهدف الرئيسي من إطلاق وحدة سلسلة K هو تقديم منتج تنافسي يلبي المعايير التالية:

- تعمل عند درجة حرارة محيطية 49 درجة مئوية
- متطلبات الكورباء : يدعم جميع التكوينات الكوربائية اللازمة، تحديدا 230 فولت أو 380 فولت - 3 فاز / 60 هرتز.
- التوافق مع غازات التبريد المستقبليّة ؛ حيث أنّها مصممة لتكون متوافقة مع غازات التبريد ذات البصمة الحرارية المنخفضة (GWP).

Salient Benefits

- Compact, lightweight, slim profile – Easy handling with multiple mounting options
- Plug and play solution – reduces installation cost
- Low noise, ideal for residential installations
- Aesthetic appeal for End Users/ Retail Customers

أبرز المنافع:

- تصميم مدمج ، خفيف الوزن ، ونحيف – سهل التعامل مع خيارات التعليق المتعددة.
- حل جاهز للاستخدام – يقلل من تكلفة التركيب.
- ضوضاء منخفضة ، مثالية للمواقع السكنية.
- جاذبية جمالية للمستخدمين النهائيين / العملاء بالتجزئة.

Features

- Axial and radial compliant Copeland Scroll compressor
- Fully featured with user-friendly, unit controls

الميزات:

- ضاغط Copeland Scroll.
- مزود بالكامل بوحدات تحكم سهلة الاستخدام.

Capacity range:

R404a, 46 C Ambient Temperature
MT: 3.79 to 11.80 kW @ -5 C ET
LT: 2.84 to 6.35 kW @ -25 C ET

سعة تبريدية:

R404A درجة حرارة محيطية 46 درجة مئوية
درجات حرارة متوسطة : من 3.79 إلى 11.80 كيلوواط عند درجة حرارة تبريد -5 درجة مئوية
درجات حرارة منخفضة : من 2.84 إلى 6.35 كيلوواط عند درجة حرارة تبريد -25 درجة مئوية

Nomenclature

KMXA - 020 - TF7 - XXX

Family K-Series	Platform MXA	Revision No. 020	Nominal HP 2: 6 HP	Code TF7	Supply Voltage 380V ±10% 3-60Hz	Bill of Material Scope of Supply 512 Medium temperature 513 Low temperature
Code M L	Application Range Medium temperature Low temperature	Mention in second line below TF7: TFC 220/230V ±10% -3 ~ 60Hz)				

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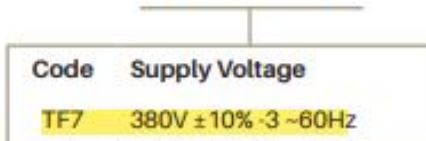
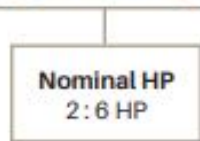


Nomenclature

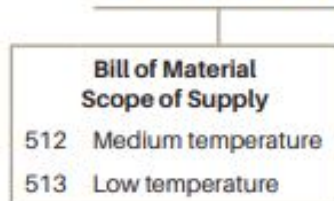
K M X A - 0 2 0 - T F 7 - X X X



Code	Application Range
M	Medium temperature
L	Low temperature



TFC 220 / 230V ± 10% - 3 ~60Hz



Performance data

Low temperature

R404a



HIRICI

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Condensing Unit Model Number of fans	Ambient (°C)	Capacity (kW)							Total Power Input (kW)						
		Evaporating Temperature (°C)													
		-40	-35	-30	-25	-20	-15	-10	-40	-35	-30	-25	-20	-15	-10
KLXB-020-TF7 1	32	1.51	2.10	2.71	3.37	4.08	4.88	5.77	1.88	1.97	2.05	2.13	2.19	2.25	2.30
	38	1.40	1.96	2.54	3.15	3.83	4.59	5.44	2.07	2.18	2.27	2.36	2.43	2.50	2.56
	43	1.30	1.82	2.37	2.96	3.60	4.33	5.15	2.27	2.38	2.49	2.58	2.67	2.74	2.81
	46	1.23	1.74	2.27	2.84	3.47	4.17	4.97	2.40	2.53	2.64	2.74	2.83	2.91	2.98
	49	1.15	1.65	2.16	2.72	3.33	4.02	4.80	2.55	2.69	2.80	2.91	3.00	3.09	3.17
KLXB-030-TF7 2	32	2.76	3.09	3.71	4.58	5.64	6.85	8.17	2.29	2.41	2.52	2.62	2.72	2.84	2.98
	38	2.72	3.02	3.58	4.37	5.32	6.41	7.57	2.62	2.77	2.89	2.99	3.09	3.20	3.33
	43	2.72	3.00	3.51	4.22	5.08	6.05	7.08	2.94	3.11	3.25	3.37	3.48	3.60	3.72
	46	2.70	2.96	3.44	4.10	4.90	5.80	6.74	3.21	3.40	3.56	3.69	3.81	3.93	4.06
	49	2.62	2.87	3.32	3.94	4.68	5.50	6.36	3.59	3.79	3.96	4.11	4.24	4.38	4.51
KLXB-040-TF7 2	32	2.92	3.73	4.61	5.59	6.71	7.98	9.44	2.85	2.92	3.02	3.15	3.28	3.41	3.53
	38	2.78	3.53	4.36	5.29	6.34	7.55	8.94	3.28	3.36	3.47	3.60	3.75	3.89	4.02
	43	2.66	3.36	4.14	5.01	6.01	7.16	8.48	3.71	3.79	3.91	4.05	4.20	4.35	4.50
	46	2.60	3.27	4.01	4.84	5.80	6.91	8.19	4.01	4.09	4.21	4.35	4.51	4.67	4.82
	49	2.55	3.18	3.88	4.68	5.60	6.66	7.89	4.34	4.42	4.54	4.68	4.85	5.01	5.17
KLXB-050-TF7 2	32	3.96	4.88	5.96	7.19	8.58	10.15	11.85	3.30	3.43	3.61	3.80	4.01	4.22	4.41
	38	3.79	4.67	5.68	6.83	8.14	9.60	11.20	3.72	3.86	4.04	4.25	4.48	4.71	4.94
	43	3.65	4.48	5.44	6.53	7.75	9.13	10.65	4.14	4.29	4.48	4.71	4.96	5.22	5.47
	46	3.57	4.38	5.30	6.35	7.53	8.85	10.30	4.44	4.59	4.79	5.03	5.30	5.57	5.85
	49	3.50	4.28	5.17	6.17	7.30	8.57	9.98	4.79	4.95	5.15	5.40	5.68	5.98	6.28
KLXB-020-TFC 1	32	1.90	2.49	3.09	3.74	4.45	5.24	6.12	1.88	1.98	2.06	2.14	2.21	2.27	2.32
	38	1.79	2.34	2.92	3.53	4.20	4.95	5.79	2.08	2.20	2.30	2.38	2.46	2.53	2.60
	43	1.68	2.21	2.75	3.33	3.97	4.69	5.50	2.29	2.41	2.52	2.62	2.71	2.79	2.86
	46	1.61	2.12	2.65	3.21	3.83	4.53	5.33	2.43	2.56	2.68	2.78	2.88	2.97	3.04
	49	1.54	2.03	2.54	3.09	3.70	4.38	5.16	2.59	2.73	2.85	2.97	3.07	3.16	3.24
KLXB-030-TFC 2	32	2.52	3.23	3.99	4.83	5.77	6.84	8.06	2.40	2.50	2.59	2.69	2.79	2.88	2.98
	38	2.45	3.13	3.86	4.65	5.54	6.56	7.71	2.69	2.78	2.89	2.99	3.10	3.22	3.33
	43	2.40	3.05	3.74	4.49	5.33	6.29	7.39	2.95	3.06	3.17	3.29	3.41	3.53	3.66
	46	2.36	2.99	3.66	4.38	5.19	6.11	7.17	3.13	3.24	3.36	3.48	3.61	3.74	3.88
	49	2.32	2.93	3.56	4.26	5.03	5.92	6.93	3.32	3.43	3.56	3.69	3.82	3.96	4.11
KLXB-040-TFC 2	32	3.01	3.85	4.77	5.80	6.97	8.29	9.81	2.88	2.95	3.05	3.17	3.29	3.42	3.53
	38	2.86	3.64	4.51	5.48	6.58	7.84	9.29	3.29	3.36	3.46	3.59	3.72	3.86	3.98
	43	2.73	3.47	4.28	5.19	6.23	7.43	8.81	3.68	3.76	3.87	4.00	4.14	4.28	4.42
	46	2.67	3.37	4.14	5.02	6.02	7.18	8.51	3.95	4.03	4.14	4.27	4.42	4.57	4.72
	49	2.62	3.28	4.01	4.85	5.80	6.92	8.20	4.25	4.33	4.44	4.58	4.73	4.89	5.04
KLXB-050-TFC 2	32	4.07	5.03	6.15	7.43	8.87	10.50	12.30	3.35	3.48	3.65	3.83	4.03	4.23	4.42
	38	3.90	4.81	5.86	7.06	8.41	9.92	11.60	3.75	3.88	4.06	4.26	4.48	4.70	4.92
	43	3.75	4.62	5.61	6.74	8.01	9.44	11.00	4.15	4.29	4.48	4.69	4.93	5.18	5.43
	46	3.67	4.50	5.46	6.55	7.78	9.15	10.65	4.44	4.58	4.77	5.00	5.25	5.52	5.79
	49	3.60	4.40	5.33	6.37	7.55	8.86	10.30	4.76	4.91	5.11	5.35	5.62	5.90	6.19

Note: 1. Operating Conditions: 20°C Suction Gas Return Temperature and 0K Sub Cooling
2. Stated power values are inclusive of fan power

Performance data

Medium temperature **R134a**



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Condensing Unit Model Number of fans	Ambient (°C)	Capacity (kW)							Total Power Input (kW)						
		Evaporating Temperature (°C)													
		-15	-10	-5	0	5	7	10	-15	-10	-5	0	5	7	10
KMXA-020-TF7 1	32	2.09	2.63	3.27	4.01	4.86	5.23	5.81	1.18	1.20	1.24	1.27	1.31	1.32	1.36
	38	1.94	2.45	3.05	3.75	4.55	4.90	5.45	1.32	1.34	1.38	1.42	1.46	1.48	1.51
	43	1.80	2.29	2.86	3.52	4.28	4.61	5.14	1.44	1.48	1.52	1.56	1.60	1.62	1.65
	46		2.19	2.74	3.38	4.12	4.44	4.95		1.56	1.60	1.64	1.70	1.72	1.74
	49		2.10	2.62	3.24	3.95	4.26	4.76		1.66	1.70	1.74	1.79	1.82	1.84
KMXA-030-TF7 1	32	3.02	3.80	4.72	5.78	7.00	7.52	8.36	1.62	1.66	1.70	1.76	1.82	1.84	1.88
	38	2.80	3.53	4.40	5.40	6.54	7.04	7.83	1.81	1.86	1.90	1.96	2.03	2.06	2.10
	43	2.61	3.30	4.12	5.07	6.16	6.63	7.38	2.00	2.04	2.10	2.16	2.23	2.26	2.31
	46		3.16	3.95	4.87	5.92	6.38	7.10		2.16	2.22	2.29	2.36	2.39	2.44
	49		3.02	3.78	4.66	5.68	6.12	6.82		2.29	2.36	2.43	2.50	2.54	2.59
KMXA-040-TF7 2	32	4.08	5.12	6.33	7.73	9.35	10.05	11.20	2.21	2.25	2.31	2.37	2.44	2.48	2.53
	38	3.76	4.74	5.89	7.21	8.74	9.42	10.50	2.49	2.53	2.59	2.65	2.73	2.76	2.82
	43	3.48	4.42	5.51	6.77	8.22	8.86	9.88	2.74	2.79	2.85	2.92	2.99	3.03	3.08
	46		4.22	5.27	6.49	7.90	8.52	9.51		2.96	3.02	3.09	3.17	3.20	3.26
	49		4.02	5.04	6.22	7.58	8.18	9.13		3.14	3.20	3.27	3.35	3.39	3.44
KMXA-050-TF7 2	32	5.04	6.35	7.88	9.66	11.70	12.55	13.95	2.77	2.83	2.91	3.00	3.10	3.15	3.22
	38	4.67	5.90	7.34	9.02	10.90	11.75	13.10	3.10	3.17	3.26	3.35	3.46	3.51	3.59
	43	4.35	5.52	6.88	8.47	10.30	11.05	12.30	3.40	3.48	3.58	3.68	3.80	3.85	3.93
	46		5.28	6.60	8.13	9.88	10.65	11.85		3.69	3.79	3.90	4.02	4.08	4.16
	49		5.04	6.31	7.78	9.47	10.20	11.40		3.91	4.02	4.13	4.26	4.31	4.40
KMXA-060-TF7 2	32	6.16	7.70	9.51	11.60	14.00	15.05	16.75	3.13	3.21	3.30	3.40	3.52	3.57	3.65
	38	5.67	7.13	8.83	10.80	13.10	14.10	15.70	3.52	3.61	3.71	3.82	3.95	4.00	4.09
	43	5.25	6.63	8.25	10.15	12.30	13.25	14.75	3.89	3.98	4.09	4.21	4.35	4.41	4.50
	46		6.33	7.89	9.71	11.80	12.75	14.20		4.23	4.35	4.47	4.61	4.67	4.77
	49		6.03	7.53	9.28	11.30	12.20	13.65		4.50	4.62	4.75	4.90	4.96	5.06
KMXA-020-TFC 1	32	2.09	2.63	3.27	4.01	4.86	5.23	5.81	1.18	1.20	1.24	1.27	1.31	1.32	1.36
	38	1.94	2.45	3.05	3.75	4.55	4.90	5.45	1.32	1.34	1.38	1.42	1.46	1.48	1.51
	43	1.80	2.29	2.86	3.52	4.28	4.61	5.14	1.44	1.48	1.52	1.56	1.60	1.62	1.65
	46		2.19	2.74	3.38	4.12	4.44	4.95		1.56	1.60	1.64	1.70	1.72	1.74
	49		2.10	2.62	3.24	3.95	4.26	4.76		1.66	1.70	1.74	1.79	1.82	1.84
KMXA-030-TFC 1	32	3.02	3.80	4.72	5.78	7.00	7.52	8.36	1.62	1.66	1.70	1.76	1.82	1.84	1.88
	38	2.80	3.53	4.40	5.40	6.54	7.04	7.83	1.81	1.86	1.90	1.96	2.03	2.06	2.10
	43	2.61	3.30	4.12	5.07	6.16	6.63	7.38	2.00	2.04	2.10	2.16	2.23	2.26	2.31
	46		3.16	3.95	4.87	5.92	6.38	7.10		2.16	2.22	2.29	2.36	2.39	2.44
	49		3.02	3.78	4.66	5.68	6.12	6.82		2.29	2.36	2.43	2.50	2.54	2.59
KMXA-040-TFC 2	32	4.10	5.17	6.42	7.86	9.49	10.20	11.35	2.27	2.31	2.36	2.42	2.49	2.52	2.58
	38	3.78	4.80	5.98	7.34	8.89	9.56	10.65	2.56	2.60	2.65	2.72	2.79	2.83	2.89
	43	3.48	4.47	5.60	6.89	8.36	9.00	10.00	2.84	2.88	2.94	3.00	3.08	3.12	3.18
	46		4.26	5.36	6.62	8.04	8.66	9.65		3.07	3.13	3.19	3.27	3.31	3.37
	49		4.04	5.11	6.33	7.71	8.32	9.27		3.28	3.33	3.39	3.47	3.51	3.57
KMXA-050-TFC 2	32	5.04	6.35	7.88	9.66	11.70	12.55	13.95	2.77	2.83	2.91	3.00	3.10	3.15	3.22
	38	4.67	5.90	7.34	9.02	10.90	11.75	13.10	3.10	3.17	3.26	3.35	3.46	3.51	3.59
	43	4.35	5.52	6.88	8.47	10.30	11.05	12.30	3.40	3.48	3.58	3.68	3.80	3.85	3.93
	46		5.28	6.60	8.13	9.88	10.65	11.85		3.69	3.79	3.90	4.02	4.08	4.16
	49		5.04	6.31	7.78	9.47	10.20	11.40		3.91	4.02	4.13	4.26	4.31	4.40
KMXA-060-TFC 2	32	6.16	7.70	9.51	11.60	14.00	15.05	16.75	3.13	3.21	3.30	3.40	3.52	3.57	3.65
	38	5.67	7.13	8.83	10.80	13.10	14.10	15.70	3.52	3.61	3.71	3.82	3.95	4.00	4.09
	43	5.25	6.63	8.25	10.15	12.30	13.25	14.75	3.89	3.98	4.09	4.21	4.35	4.41	4.50
	46		6.33	7.89	9.71	11.80	12.75	14.20		4.23	4.35	4.47	4.61	4.67	4.77
	49		6.03	7.53	9.28	11.30	12.20	13.65		4.50	4.62	4.75	4.90	4.96	5.06

Note: 1. Operating Conditions: 11K Suction Superheat and 0K Sub Cooling
 2. Stated power values are inclusive of fan power

Performance data

Medium temperature **R404a**



Hassounah Refrigeration حاسوبة للتبريد

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Condensing Unit Model	Ambient (°C)	Capacity (kW)							Total Power Input (kW)						
		Evaporating Temperature (°C)													
		-20	-15	-10	-5	0	5	7	-20	-15	-10	-5	0	5	7
KMXA-020-TF7 1	32	2.97	3.64	4.38	5.19	6.07	7.02	7.42	2.07	2.07	2.08	2.08	2.10	2.13	2.15
	38	2.59	3.21	3.88	4.61	5.40	6.26	6.61	2.43	2.42	2.41	2.40	2.40	2.42	2.44
	43	2.25	2.82	3.44	4.11	4.82	5.59	5.92	2.81	2.79	2.75	2.72	2.70	2.71	2.72
	46	2.02	2.57	3.16	3.79	4.46	5.19	5.49	3.08	3.04	2.99	2.94	2.91	2.90	2.91
	49		2.31	2.87	3.46	4.09	4.77	5.05		3.32	3.25	3.19	3.14	3.12	3.11
KMXA-030-TF7 1	32	4.41	5.29	6.31	7.43	8.64	9.93	10.45	2.83	2.92	2.99	3.07	3.15	3.25	3.29
	38	3.97	4.77	5.68	6.69	7.79	8.95	9.43	3.22	3.30	3.38	3.46	3.55	3.66	3.71
	43	3.60	4.33	5.16	6.07	7.07	8.13	8.56	3.56	3.65	3.74	3.82	3.92	4.03	4.08
	46	3.38	4.06	4.84	5.70	6.63	7.63	8.04	3.78	3.87	3.96	4.05	4.15	4.26	4.31
	49		3.80	4.52	5.32	6.20				4.10	4.19	4.28	4.38		
KMXA-040-TF7 2	32	6.17	7.42	8.82	10.35	12.05	13.90	14.65	3.66	3.75	3.85	3.95	4.05	4.16	4.21
	38	5.58	6.72	7.98	9.38	10.90	12.60	13.30	4.14	4.23	4.33	4.43	4.54	4.65	4.70
	43	5.06	6.10	7.26	8.54	9.94	11.45	12.10	4.59	4.68	4.78	4.89	4.99	5.11	5.15
	46	4.73	5.71	6.81	8.01	9.34	10.80	11.40	4.89	4.98	5.08	5.18	5.29	5.40	5.44
	49		5.31	6.34	7.48	8.72				5.29	5.39	5.49	5.60		
KMXA-050-TF7 2	32	7.71	9.26	11.00	12.90	14.95	17.20	18.15	4.60	4.72	4.86	5.00	5.14	5.29	5.35
	38	6.96	8.37	9.93	11.65	13.55	15.60	16.45	5.21	5.34	5.47	5.62	5.76	5.92	5.98
	43	6.30	7.59	9.01	10.60	12.30	14.15	14.95	5.79	5.92	6.05	6.19	6.34	6.49	6.56
	46	5.89	7.10	8.44	9.92	11.55	13.30	14.05	6.17	6.29	6.43	6.57	6.71	6.87	6.93
	49		6.59	7.85	9.25	10.75				6.69	6.82	6.96	7.11		
KMXA-060-TF7 2	32	9.16	11.00	13.05	15.30	17.80	20.50	21.60	5.31	5.46	5.61	5.78	5.95	6.12	6.19
	38	8.28	9.95	11.80	13.85	16.10	18.50	19.55	6.03	6.18	6.33	6.50	6.67	6.85	6.92
	43	7.49	9.02	10.70	12.60	14.65	16.85	17.80	6.70	6.85	7.01	7.17	7.34	7.52	7.59
	46	7.00	8.44	10.05	11.80	13.75	15.85	16.70	7.14	7.29	7.44	7.61	7.78	7.95	8.03
	49		7.84	9.34	11.00	12.80				7.75	7.91	8.07	8.24		
KMXA-020-TFC 1	32	3.03	3.70	4.44	5.25	6.15	7.13	7.54	2.03	2.06	2.10	2.13	2.17	2.21	2.23
	38	2.69	3.31	3.98	4.72	5.53	6.42	6.79	2.32	2.35	2.39	2.42	2.46	2.50	2.51
	43	2.38	2.96	3.58	4.26	5.00	5.80	6.14	2.60	2.63	2.66	2.69	2.73	2.77	2.78
	46	2.18	2.74	3.33	3.97	4.67	5.43	5.75	2.78	2.81	2.84	2.87	2.91	2.94	2.95
	49		2.51	3.07	3.68	4.33	5.04			3.01	3.04	3.06	3.09	3.13	
KMXA-030-TFC 1	32	4.61	5.54	6.57	7.71	8.95	10.30	10.85	2.77	2.85	2.93	3.01	3.10	3.19	3.23
	38	4.17	5.01	5.94	6.97	8.10	9.32	9.83	3.15	3.22	3.30	3.39	3.48	3.58	3.61
	43	3.77	4.54	5.39	6.33	7.36	8.48	8.95	3.50	3.57	3.66	3.74	3.83	3.93	3.97
	46	3.52	4.25	5.05	5.93	6.90	7.96	8.40	3.73	3.80	3.89	3.97	4.06	4.15	4.19
	49		3.94	4.70	5.53	6.44				4.05	4.13	4.21	4.30		
KMXA-040-TFC 2	32	6.17	7.42	8.82	10.35	12.05	13.90	14.65	3.66	3.75	3.85	3.95	4.05	4.16	4.21
	38	5.58	6.72	7.98	9.38	10.90	12.60	13.30	4.14	4.23	4.33	4.43	4.54	4.65	4.70
	43	5.06	6.10	7.26	8.54	9.94	11.45	12.10	4.59	4.68	4.78	4.89	4.99	5.11	5.15
	46	4.73	5.71	6.81	8.01	9.34	10.80	11.40	4.89	4.98	5.08	5.18	5.29	5.40	5.44
	49		5.31	6.34	7.48	8.72				5.29	5.39	5.49	5.60		
KMXA-050-TFC 2	32	7.71	9.26	11.00	12.90	14.95	17.20	18.15	4.60	4.72	4.86	5.00	5.14	5.29	5.35
	38	6.96	8.37	9.93	11.65	13.55	15.60	16.45	5.21	5.34	5.47	5.62	5.76	5.92	5.98
	43	6.30	7.59	9.01	10.60	12.30	14.15	14.95	5.79	5.92	6.05	6.19	6.34	6.49	6.56
	46	5.89	7.10	8.44	9.92	11.55	13.30	14.05	6.17	6.29	6.43	6.57	6.71	6.87	6.93
	49		6.59	7.85	9.25	10.75				6.69	6.82	6.96	7.11		
KMXA-060-TFC 2	32	9.16	11.00	13.05	15.30	17.80	20.50	21.60	5.31	5.46	5.61	5.78	5.95	6.12	6.19
	38	8.28	9.95	11.80	13.85	16.10	18.50	19.55	6.03	6.18	6.33	6.50	6.67	6.85	6.92
	43	7.49	9.02	10.70	12.60	14.65	16.85	17.80	6.70	6.85	7.01	7.17	7.34	7.52	7.59
	46	7.00	8.44	10.05	11.80	13.75	15.85	16.70	7.14	7.29	7.44	7.61	7.78	7.95	8.03
	49		7.84	9.34	11.00	12.80				7.75	7.91	8.07	8.24		

Note: 1. Operating Conditions: 20°C Suction Gas Return Temperature and 0K Sub Cooling
2. Stated power values are inclusive of fan power