



Copeland Fusion Semi-hermetic Scroll Compressor Condensing Units



LUCQ Series

Products features:

With Copeland Fusion Semi-hermetic Scroll Compressor
QF Series
Displacement: 19.3 m³/h to 36.9 m³/h
Refrigerant: R22, R404A
Application: Medium/Low Temperature
Open type Air Cooled Units

Copeland[®]

LUCQ SERIES

Copeland Fusion Semi-hermetic Scroll Compressor Condensing Units



Key Specifications/Special Features:

- Has outstanding intelligence, efficiency and versatility
- Constructed with majority of parts required in a refrigeration system
- Has multi-refrigerant capability with wide operating temperature range
- Includes 70% fewer moving parts to lessen wear and tear
- Quieter and more reliable with unparalleled efficiency levels
- Ensures convenient and low maintenance operation
- Guarantees precision temperature control for product storage and safety

LUCQ SERIES brings together the best best of both worlds:

the serviceability and strength of semi-hermetic construction
and the reliability and efficiency of scroll technology.

Similar to the previous mentioned scroll condensing unit,
it has 70% fewer moving parts.

One distinct feature is that the noise and vibration
it produces compared to other semi-hermetic compressors is akin
to a golf buggy driving next to a modified Honda Civic.

If you require a refrigeration system that is both reliable and extremely quiet,
the Fusion compressor powered condensing unit is the answer.

With CoreSense



Air cooled R22

Model		LUCQ-QF115A	LUCQ-QF125A	LUCQ-QF145A	LUCQ-QF175A	LUCQ-QF185A	LUCQ-QF205A
Compressor	Model	QF115A	QF125A	QF145A	QF175A	QF185A	QF205A
	HP	7.5HP	8.2HP	9HP	10HP	10HP	13.7HP
Temperature (°C)		10~-40℃					
Refrigerant		R22					
Power Supply		380V/3PH/50 HZ					
Condenser	Fan Qty *Dia	2*φ400	4*φ350	4*φ400	4*φ400	4*φ400	4*φ400
	Air Flow (m³/h)	2*3900	4*3110	4*3900	4*3900	4*3900	4*3900
	Input (W)	2*190	4*145	4*190	4*190	4*190	4*190
	Voltage (V)	380V/3PH/50 HZ					
Compressor Capacity	Temp 0℃	Capacity (KW)	14.0	15.6	17.2	18.8	21.1
		Input (KW)	5.8	6.5	7.0	8.2	9.5
	Temp -5℃	Capacity (KW)	11.8	13.1	14.5	15.9	18.1
		Input (KW)	5.7	6.2	6.8	7.9	9.2
	Temp -10℃	Capacity (KW)	7.5	8.2	9.0	10.0	11.8
		Input (KW)	4.7	5.0	5.5	6.2	7.4
	Temp -15℃	Capacity (KW)	5.5	5.8	6.5	8.2	8.8
		Input (KW)	4.6	4.8	5.2	6.0	7.0
Pipe	Suction inlet(inch)	1-1/8	1-1/8	1-1/8	1-1/8	1-1/8	1-1/8
	Liquid Dia (inch)	1	1	1	1	1	1
Overall Dimension (mm)		1050*870*700	1290*870*900		1050*870*1100		

Air cooled R404A

Model		LUCQ-QF115AE	LUCQ-QF125AE	LUCQ-QF145AE	LUCQ-QF175AE	LUCQ-QF185AE	LUCQ-QF205AE
Compressor	Model	QF115AE	QF125AE	QF145AE	QF175AE	QF185AE	QF205AE
	HP	7.5HP	8.2HP	9HP	10HP	10HP	13.7HP
Temperature (°C)		10~-40℃					
Refrigerant		R404A					
Power Supply		380V/3PH/50 HZ					
Condenser	Fan Qty *Dia	2*φ400	4*φ350	4*φ400	4*φ400	4*φ400	4*φ400
	Air Flow (m³/h)	2*3900	4*3110	4*3900	4*3900	4*3900	4*3900
	Input (W)	2*190	4*145	4*190	4*190	4*190	4*190
	Voltage (V)	380V/3PH/50 HZ					
Compressor Capacity	Temp 0℃	Capacity (KW)	14.2	16.3	18.1	21.9	22.3
		Input (KW)	6.7	7.3	7.8	8.9	10.0
	Temp -5℃	Capacity (KW)	12.1	13.9	15.4	18.3	19.0
		Input (KW)	6.5	7.1	7.5	8.5	9.7
	Temp -10℃	Capacity (KW)	8.2	9.4	10.2	11.1	12.4
		Input (KW)	5.3	6.5	6.2	6.9	7.8
	Temp -15℃	Capacity (KW)	6.0	7.0	7.9	8.2	9.5
		Input (KW)	5.1	6.3	6.0	6.6	7.5
Pipe	Suction inlet(inch)	1-1/8	1-1/8	1-1/8	1-1/8	1-1/8	1-1/8
	Liquid Dia (inch)	1	1	1	1	1	1
Overall Dimension (mm)		1050*870*700	1290*870*900		1050*870*1100		