

The compressor is the heart of any air conditioning system. So, we decided to bring to you the 5.5 TR Carrier and 8.5 TR Danfoss Scroll compressors, the best technology that guarantees high volumetric efficiency and low friction losses. They also have low sound and vibration, compared to reciprocating and rotary compressors.

These technological marvels are manufactured in world-class facilities using the latest machining, assembly, process control techniques and are tested and subjected to abusive test conditions. So that they match the stringent quality standards you have set for yourself as a professional. Now, take a close look and get to the heart of client satisfaction.

#### Ducted Units with Carrier Scroll Compressor

Ideal for residential and commercial applications, these Scroll compressors are manufactured in a world-class production facility, using the latest state-of-the-art machining, assembly, and process control techniques.

As a result while designing the compressors, careful consideration is given to maintaining high standards of reliability and process control.

Giving these compressors an edge in efficiency, low sound, and high reliability over competition.

These units are available in 5.5TR and 11TR

#### Ducted Units with Danfoss Scroll Compressor

The best in scroll compressor technology with built-in compressor protection offers higher efficiency, minimal noise, enhanced reliability/fault tolerance, easy installation and longer service life. Its patented design ensures that it uses 20% less power than conventional air conditioning systems.

These units are available in 8.5TR and 17.0TR.

Now all the units are available with LCD programmable thermostat (Optional)



- 4 Set Point per Day
- Weekly Programmable
- Backlit LCD Display
- Filter Clean Indication
- PID Control of Two Stage Cool & Two Stage Heat

Carrier



Indoor Unit



The indoor unit houses the Expansion Valve which does not allow the liquid refrigerant to feed into the compressor, thus increasing the longevity of the unit. It also houses the Distributor and Microprocessor based controls which increases the cooling efficiency and ensures trouble-free functioning of the unit.

OUTDOOR UNIT

The outdoor condensing unit houses the Carrier Scroll Compressor. It gives a wide range of comfort features especially suited for Indian conditions wide operating voltage, silent operation, economical running and unmatched reliability.

It has a unique refrigerant liquid filter drier which absorbs unwanted moisture and also traps contamination for reliable running. And a liquid indicator which gives accessibility to analyse the amount and quality of refrigerant in the system and also increases the serviceability of the machine.

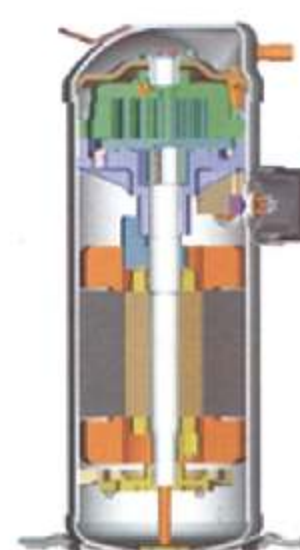


Efficiency

Even distribution of liquid refrigerant in the evaporator coil results in optimum utilization of evaporator surface area. Which in turn, increases the cooling capacity of the machine. Moreover, superior condenser air quality management and higher condenser air quantity decreases the discharge pressure of the compressor. And at lower discharge pressure the capacity delivered by the compressor is more, resulting in less power consumption and also thereby increasing the cooling efficiency of the unit.

Reliability

The compression chamber is machined to zero tolerance, which makes the compressor function better with minimal variation in performance. Hence making it the most reliable machine.



Microprocessor Protection

Microprocessor-based controls gives the compressor protection. So that in case of reverse voltage, it never allows the unit to run. Also, it never allows the unit to run in case of single phase supply. If three faults occur within half an hour during running, the microprocessor unit logs into the memory to lock the compressor till repairs can be carried out. Thereby, ensuring longer life and trouble-free functioning of the unit.

Danfoss



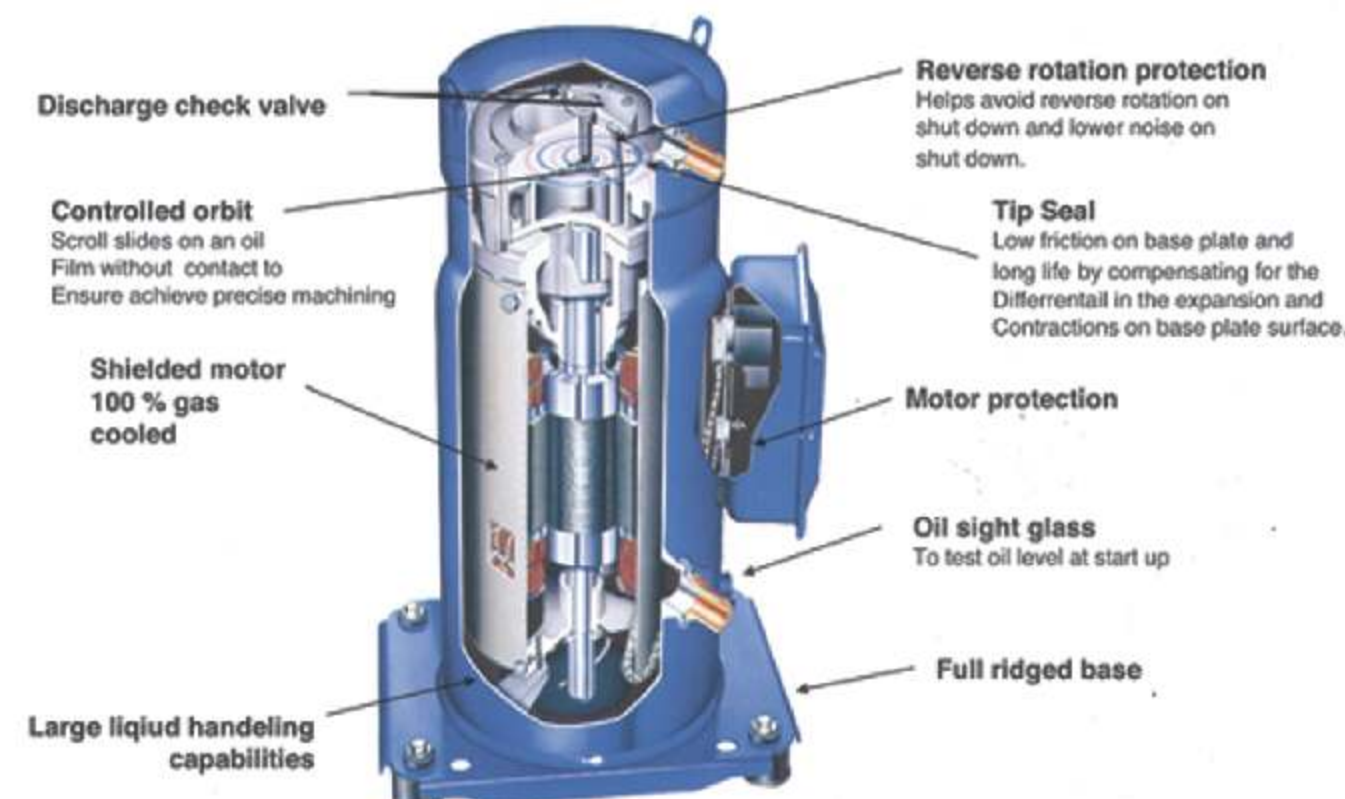
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Model	INDOOR UNITS (DUCTED)				OUTDOOR UNITS (DUCTED)			
	48L2099	48L2100	48L2101	48L2102	48L2103	48L2104	48L2105	48L2106
Nominal Cooling Capacity*	5.5 TR	8.5 TR	11.0 TR	17.0 TR	8.5 TR	11.0 TR	17.0 TR	17.0 TR
Btu/hr	6000	9200	12000	18000	9200	12000	18000	18000
Kcal/hr	1650	2500	3300	5000	2500	3300	5000	5000
No. Of Units	1	1	1	1	1	1	1	1
Nominal Air Quantity	220	340	440	680	340	440	680	680
CFM	370	570	740	1150	570	740	1150	1150
CMH	-	-	-	-	-	-	-	-
Power Supply (V-ph-Hz)	230 v±10% - 1 - 50				400 v±10% - 3 - 50			
Fan**	Direct Driven DEDW Forward Curved Centrifugal Fan				Propeller			
Type	Direct Driven DEDW Forward Curved Centrifugal Fan				Propeller			
Qty.	2				2			
Discharge	Horizontal / Vertical**				Horizontal			
Fan Motor	Permanent Split Capacitor Type				Totally Enclosed Fan Cooled (TEFC)			
Type	Permanent Split Capacitor Type				Totally Enclosed Fan Cooled (TEFC)			
Qty.	2				2			
Power Hp. (watt)	1/2 (370)				1/2 (370)			
Speed RPM	Hi 900				Hi 900			
Med 800	Med 800				Med 800			
Lo 800	Lo 800				Lo 800			
Control Type	Microprocessor with digital display							
Overall Width	1143	1646	1946	1946	1250	982	1250	982
Height	480	480/480**	535	684	684	1082	845	1082
Depth (mm)	633	700/670**	800	970	970	714	600	714
Cabinet Depth	607	670	800	970	970	600	600	600
Width	1144	1630	1866	1866	1200	978	1200	978
Compressor Type	Microprocessor with digital display							
Make	Carrier				Danfoss			
Qty.	1				1			
Model	48L2103				48L2104			
Net Weight (kg)	66	91	155	182	190	150	225	225
Refrigerant	R410A							
Expansion Device	Thermostatic Expansion Valve							

\* Cooling Capacities Under IS Test Conditions  
\*\* Horizontal/Vertical  
\*\*\* AMCA Certified  
\*\*\*\* Outdoor unit of Model 48L2103/104 is same as 48L2102/101.

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Carrier

Turn to the Experts

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Carrier

Turn to the Experts

Presenting the next generation heart for air-conditioners: Ducted Units with Scroll Compressors.