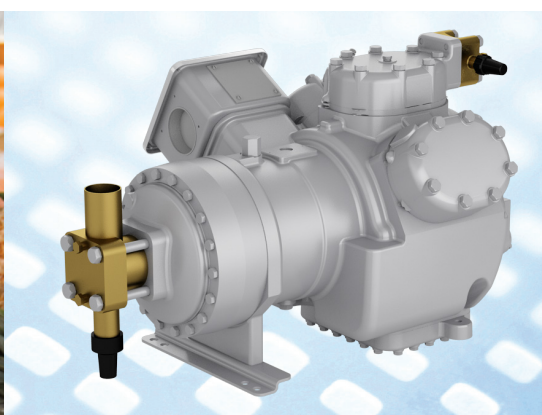


06D & 06E SEMI-HERMETIC RECIPROCATING COMPRESSORS

PERFORMANCE YOU DEMAND, QUALITY YOU RELY ON.

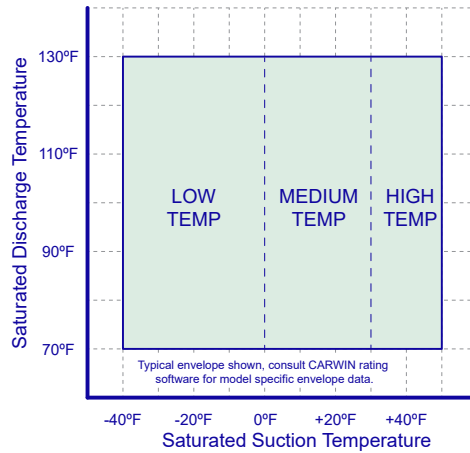


Every day around the world, **Carlyle 06D and 06E compressors** work quietly and efficiently in supermarkets, computer rooms, manufacturing plants, on board ships and over the road. Carlyle compressors consistently meet and exceed the demands of challenging environments, providing the most reliable refrigeration in the world.

Carlyle compressors are **more dependable and durable by design** even in critical applications where extreme conditions are frequently encountered.

Reciprocating compressors can be applied in **high, medium, and low-temperature applications**.

TYPICAL 06D & 06E OPERATING ENVELOPE



Carlyle's performance and level of reliability has made the 06D and 06E reciprocating compressor one of the industry's top choices. Throughout the years, customers have relied on Carlyle to deliver high efficiency, low operating costs and, of course, the toughness for which we have become famous.

While system requirements vary, they do share one thing in common – Carlyle is the name customers in each area turn to for **efficient, reliable compressor solutions**. Carlyle's advanced engineering efficiencies can save energy costs over the lifespan of the unit.

The Carlyle 06D & 06E reciprocating compressors offer an impressive list of advantages:

- **Flexibility in Advanced Capacity Control Options**

The 06D and 06E compressors can be factory configured with or without mechanical cylinder head unloaders. Four-cylinder models can unload to 50% while six-cylinder models can unload to 33% of full load. With variable speed drives the speed can be varied between 30 Hz and 60Hz. Or, with Carlyle's patented PWM technology down to 20% of full load.

- **Reliability by Design**

The crankcase venting system, combined with an oversized oil sump, results in equalized internal start-up pressures to eliminate nuisance oil trips and assures oil return to the compressor. The positive displacement oil lubrication system extends across the full range and combines high flow oil pump with an oil pressure regulator. This assures reliable lubrication with minimum oil circulation in the system.

- **Serviceability**

The 06D and 06E reciprocating compressors are fully serviceable, unlike a scroll. In the unlikely event that the compressor sustains damage, the 06D and 06E can often be repaired on site with minimal downtime. The semi-hermetic design can also be remanufactured, making it a more sustainable choice than the unreparable scroll.

Carlyle 06D and 06E semi-hermetic compressors are ideally suited for commercial refrigeration, air conditioning, process cooling, and environmental chambers.

06D & 06E at a glance:

- Air Conditioning Duty
- Refrigeration Duty - Low and Medium Temperature
- Variable frequency drive capable from 30 Hz to 60 Hz
- Optimized for R-448A, R-449A, R-450A, R-452A, and R-513A, in addition to the former refrigerants, such as R-134a, R-404A, R-407A, R-407C, R-407F, R-507, and R-22.
- Optional factory-installed oil pressure protection
- Factory installed motor protection in all 06D models




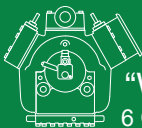
Carlyle 06D and 06E reciprocating compressors

THE RELIABLE AND EFFICIENT APPROACH.

Efficient Performance by Design

The **06D** design begins with an "in line" 2-cylinder model from 2 to 3HP and quickly increases to a 4-cylinder "V" configuration from 3 to 6 1/2 HP and then a 6-cylinder "W" configuration from 6 1/2 to 15HP. The **06E** design begins with a 4-cylinder "V" configuration from 15 to 20 HP and then a 6-cylinder "W" configuration from 20 to 40HP.

The piston movement in these "V" and "W" configurations are designed to improve balance and lower sound & vibration as well as internal operating temperatures.

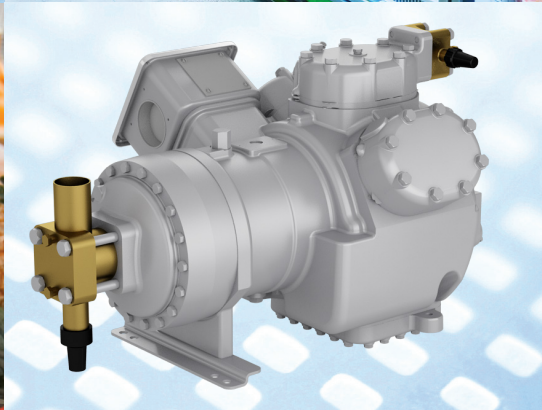
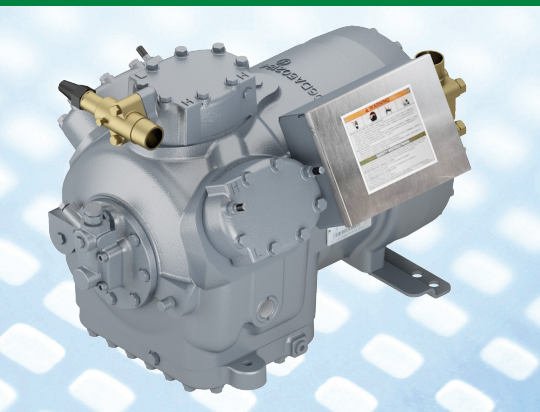
		APPLICATION RANGE			60HZ CFM		
NOMINAL HP	LOW TEMP	MEDIUM TEMP	HIGH TEMP				
06D	2	06DR109			9	 IN-LINE 2 CYL	06D
	3	06DR013	06DM808		8		
	5	06DR316	06DM313		13		
			06DM316		16	 "V" 4 CYL	
		06DR718	06DA818		18		
	6½		06DR820		20	 "W" 6 CYL	
		06DR725			25		
	7½		06DA825		28		
		06DR228	06DA328		37		
	10	06DR337	06DM337	06DA537	41		
	15	06DR541			50		
		06ER*50	06EM*50		65		
20		06EA*50		75	 "W" 6 CYL		
	06ER*65	06EA*65		99			
25	06ER*75	06EM*75					
		06EA*75					
30	06ER*99	06EM*99					
35			06EA*99				
40							
06E						06E	

VOLTAGES AVAILABLE	
208/230v-3-60Hz	200v-3-50Hz
460v-3-60Hz	400v-3-50Hz
575v-3-60Hz	

Performance data available using Carlyle's CARWIN™ Selection Software at carwin.carlylecompressor.com



Our **06D** and **06E** family provides countless benefits, Carlyle's innovative design makes it the compressor of choice.



For more information or to find a distributor in your area,
please visit us online at www.carlylecompressor.com



06D



06E



Carlyle Compressor | P.O. Box 4808 | Syracuse, NY 13221