

# Bock Selection Tool VAP

New in version **VAP 11.12.2**

New **UL-HG CO<sub>2</sub>** compressor series **C<sup>®</sup> RU<sup>®</sup> US**



# BOCK

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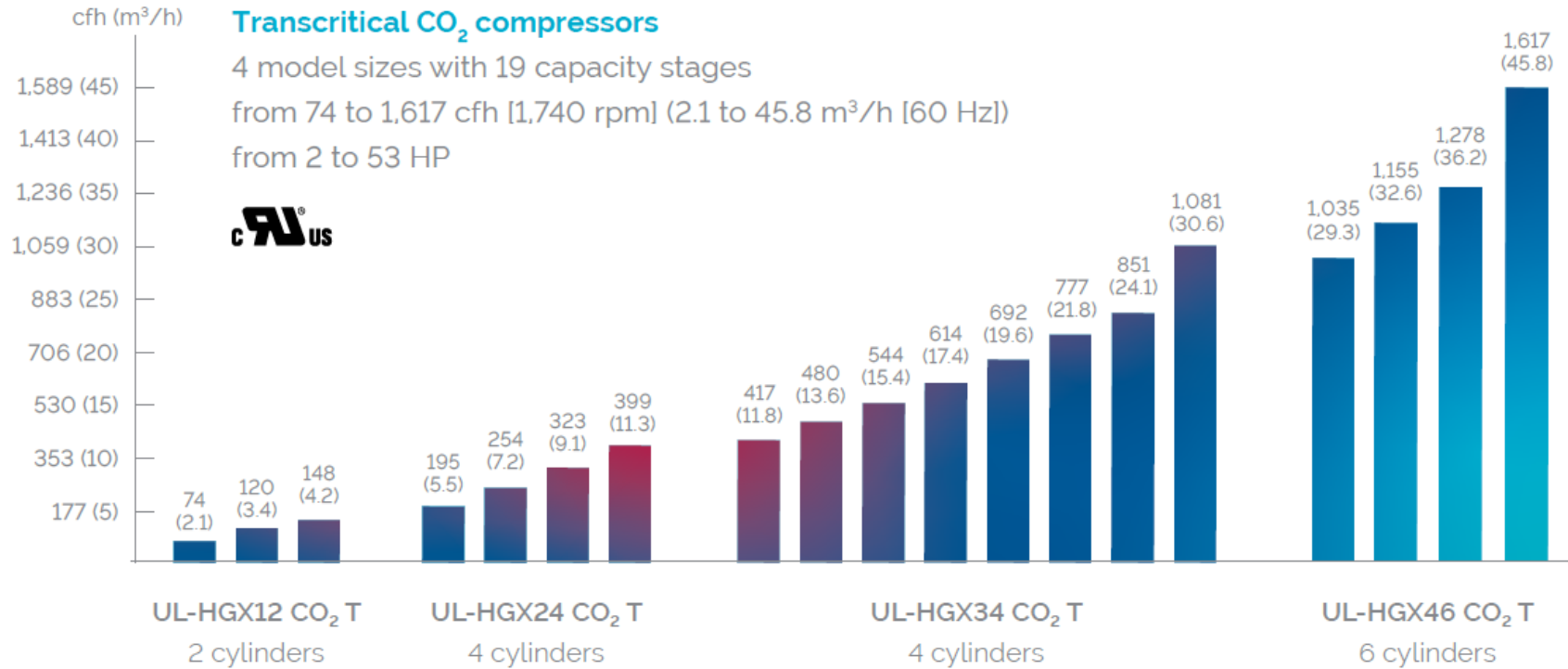
# BOCK UL-HG CO<sub>2</sub> Compressor Ranges

- The new UL-HG CO<sub>2</sub> series includes all transcritical and subcritical compressors in 2-, 4- and 6-cylinder versions including the efficiency-enhanced transcritical compressor series with LSPM (Line Start Permanent Magnet) motors for use in mobile and stationary applications.



**Serial start  
UL-HG CO<sub>2</sub>:  
12.09.2022**

# UL-HG CO<sub>2</sub> T (+LSPM) Transcritical product program



UL-HGX24 CO<sub>2</sub> T, UL-HGX34 CO<sub>2</sub> T and UL-HGX46 CO<sub>2</sub> T available also with high efficient LSPM (line start permanent magnet) motors.



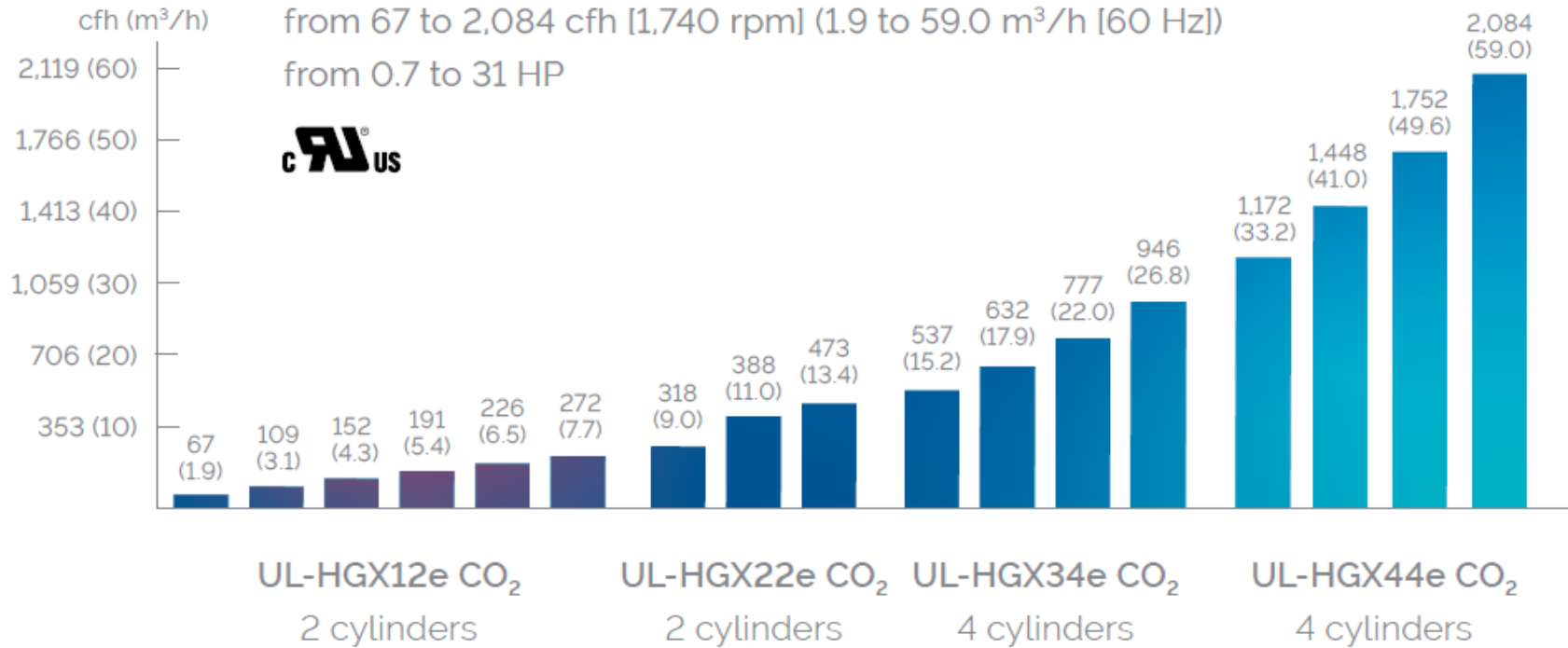
# UL-HG CO<sub>2</sub> Subcritical product program

## Subcritical CO<sub>2</sub> compressors (LP 435 psi [30 bar])

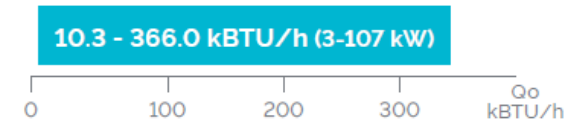
4 model sizes with 17 capacity stages

from 67 to 2,084 cfh [1,740 rpm] (1.9 to 59.0 m<sup>3</sup>/h [60 Hz])

from 0.7 to 31 HP



### Cooling capacity



Evaporating temperature at 60 Hz: -31 °F (-35 °C),  
Condensing temperature: 23 °F (-5 °C),  
suction gas superheat: 18 R (10 K), subcooling: 0 R (0 K)



# UL-HG CO<sub>2</sub> LT

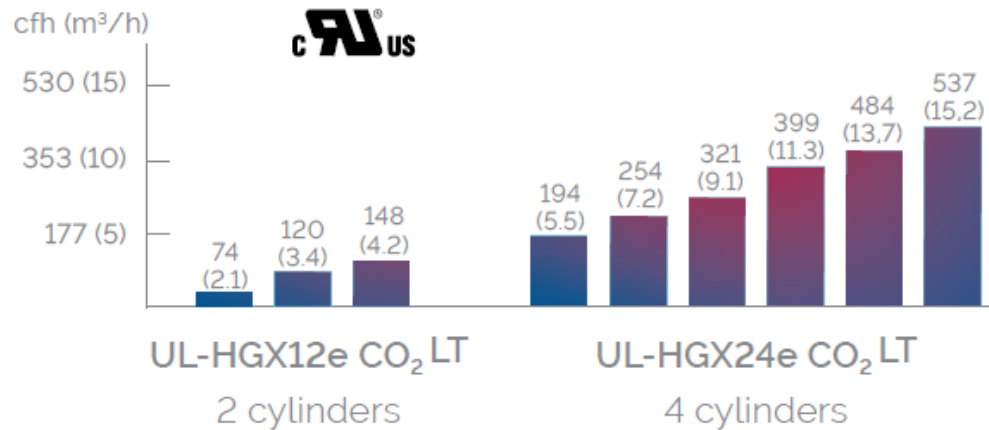
## Subcritical product program

Subcritical CO<sub>2</sub> compressors (LT range – LP 1450 psi [100 bar])

2 model size with 9 capacity stages

from 74 to 537 cfh [1,740 rpm] (2.1 to 15.2 m<sup>3</sup>/h [60 Hz])

from 0.7 to 9 HP\*



LP:  
1450 psi

\* For higher capacities in low temperature applications with standstill pressures up to LP 1450 psi (100 bar), the HGX34 CO<sub>2</sub> T and HGX46 CO<sub>2</sub> T are available in the ML version with 12 displacement stages.

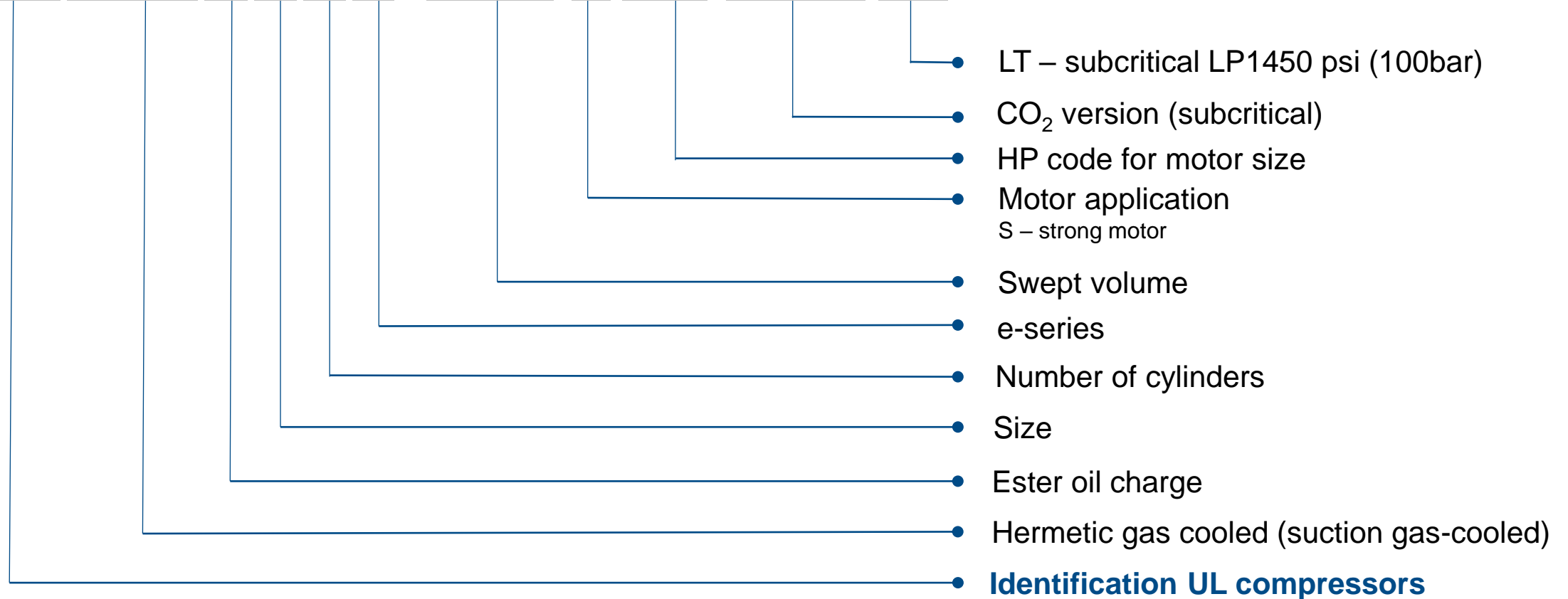
# Type Key for transcritical UL-CO<sub>2</sub> compressors

**UL**-HG X34/210 SP 31 CO<sub>2</sub> T

- T – Transcritical
- CO<sub>2</sub> version
- HP code for motor size
- (LSPM (Line Start Permanent Magnet) Motor)
- Motor application  
S – strong motor e.g. AC, VSD; ML – motor for MT and LT;  
SH strong motor e.g. heat pump, other oil filling
- Swept volume
- Number of cylinders
- Size
- Ester oil charge
- Hermetic gas cooled (suction gas-cooled)
- **Identification UL compressors**

# Type Key for subcritical UL-CO<sub>2</sub> compressors

**UL**-HG X34e/210 S 31 CO<sub>2</sub> LT





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**Bock GmbH** . Benzstr. 7 . 72636 Frickenhausen . Germany . Tel +49 7022 9454-0 . Fax +49 7022 9454-137 . [info@bock.de](mailto:info@bock.de) . bock.de