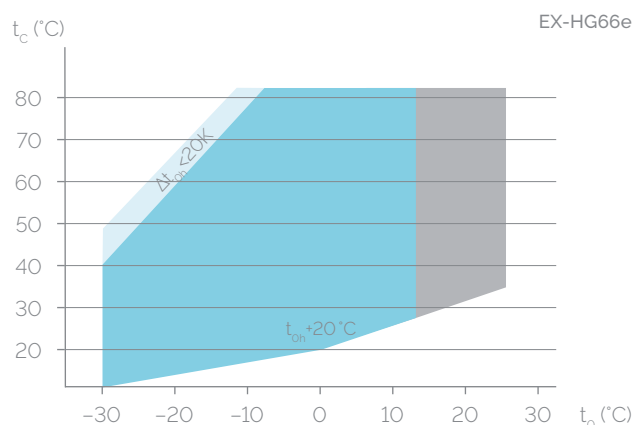
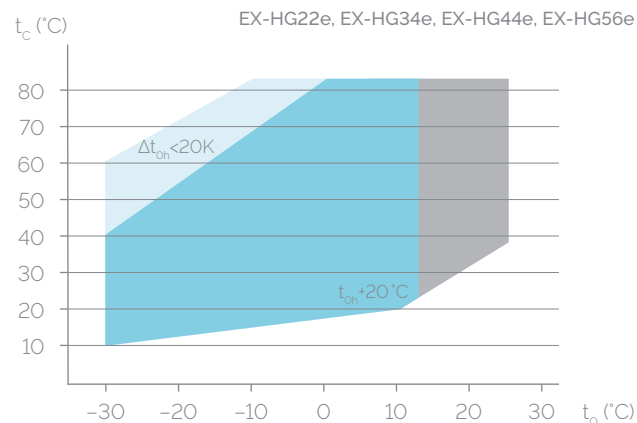
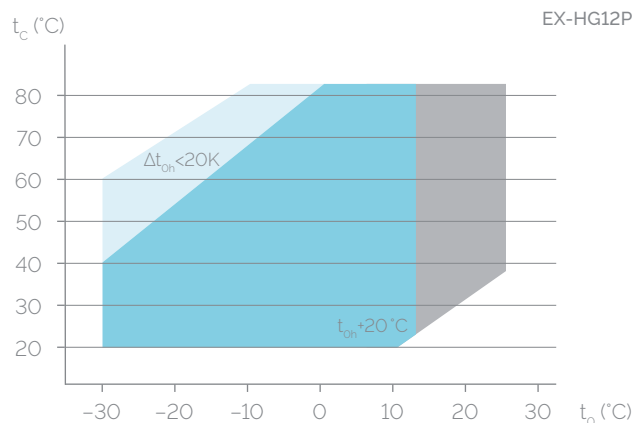


EX-HG, EX-HG... HC

Type	Number of cylinders	Displacement 50 / 60 Hz (1.450 / 1.740 rpm) m³/h	Voltage ¹⁾	Electrical data			Weight kg	Connections ⁵⁾		Oil-charge Ltr.
				Max. working current ²⁾	Max. power consumption ²⁾	Starting current (rotor locked)		Discharge line DV	Suction line SV	
				A (Y)	kW	A (Y)		mm inch	mm inch	
EX-HG12P/60-4 S (HC)	2	5.40 / 6.40	3 ¹⁾	3.9	2.2	23	48.0	12 1/2	16 5/8	0.8
EX-HG12P/75-4 (HC)	2	6.70 / 8.10	3 ¹⁾	4.1	2.3	23	48.0	12 1/2	16 5/8	0.8
EX-HG12P/75-4 S (HC)	2	6.70 / 8.10	3 ¹⁾	4.6	2.6	25	49.0	12 1/2	16 5/8	0.8
EX-HG12P/90-4 (HC)	2	8.00 / 9.60	3 ¹⁾	4.9	2.8	25	49.0	12 1/2	16 5/8	0.8
EX-HG12P/90-4 S (HC)	2	8.00 / 9.60	3 ¹⁾	5.3	3.0	26	49.0	12 1/2	16 5/8	0.8
EX-HG12P/110-4 (HC)	2	9.40 / 11.30	3 ¹⁾	5.3	3.1	25	48.0	12 1/2	16 5/8	0.8
EX-HG12P/110-4 S (HC)	2	9.40 / 11.30	3 ¹⁾	6.1	3.6	26	48.0	12 1/2	16 5/8	0.8
EX-HG22e/125-4 (HC)	2	11.10 / 13.30	3 ¹⁾	5.4	3.0	40	73.0	16 5/8	22 7/8	0.9
EX-HG22e/125-4 S (HC)	2	11.10 / 13.30	3 ¹⁾	6.2	3.6	40	74.0	16 5/8	22 7/8	0.9
EX-HG22e/160-4 (HC)	2	13.70 / 16.40	3 ¹⁾	6.5	3.8	40	74.0	16 5/8	22 7/8	0.9
EX-HG22e/160-4 S (HC)	2	13.70 / 16.40	3 ¹⁾	7.6	4.5	50	75.0	16 5/8	22 7/8	0.9
EX-HG22e/190-4 (HC)	2	16.50 / 19.80	3 ¹⁾	8.0	4.8	40	74.0	16 5/8	22 7/8	0.9
EX-HG22e/190-4 S (HC)	2	16.50 / 19.80	3 ¹⁾	9.4	5.6	50	75.0	16 5/8	22 7/8	0.9
EX-HG34e/215-4 (HC)	4	18.80 / 22.60	3 ¹⁾	8.1	4.8	50	94.0	22 7/8	28 1 1/8	11
EX-HG34e/215-4 S (HC)	4	18.80 / 22.60	3 ¹⁾	10.5	6.0	76	96.0	22 7/8	28 1 1/8	11
EX-HG34e/255-4 (HC)	4	22.10 / 26.60	3 ¹⁾	9.8	6.0	50	94.0	22 7/8	28 1 1/8	11
EX-HG34e/255-4 S (HC)	4	22.10 / 26.60	3 ¹⁾	12.2	7.2	76	96.0	22 7/8	28 1 1/8	11
EX-HG34e/315-4 (HC)	4	27.30 / 32.80	3 ¹⁾	12.2	7.4	64	93.0	22 7/8	28 1 1/8	11
EX-HG34e/315-4 S (HC)	4	27.30 / 32.80	3 ¹⁾	14.7	8.9	76	96.0	22 7/8	28 1 1/8	11
EX-HG34e/380-4 (HC)	4	33.10 / 39.70	3 ¹⁾	15.1	9.3	64	91.0	22 7/8	28 1 1/8	11
EX-HG34e/380-4 S (HC)	4	33.10 / 39.70	3 ¹⁾	18.0	11.1	76	94.0	22 7/8	28 1 1/8	11



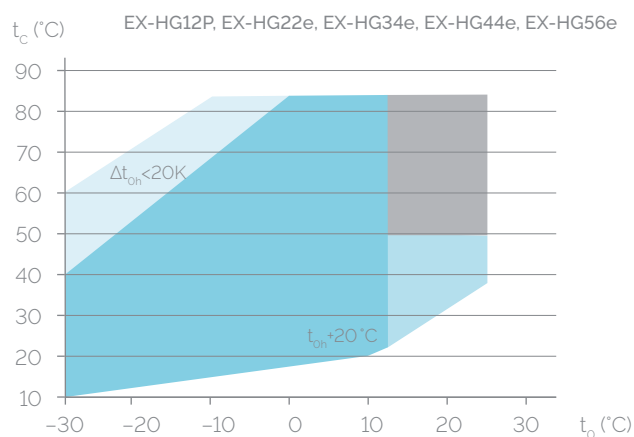
t_o Evaporating temperature (°C)
 t_c Condensing temperature (°C)
 Δt_{oh} Suction gas superheat (K)
 t_{oh} Suction gas temperature (°C)

Max. permissible operating pressure (LP/HP)¹⁾: 19/28 bar

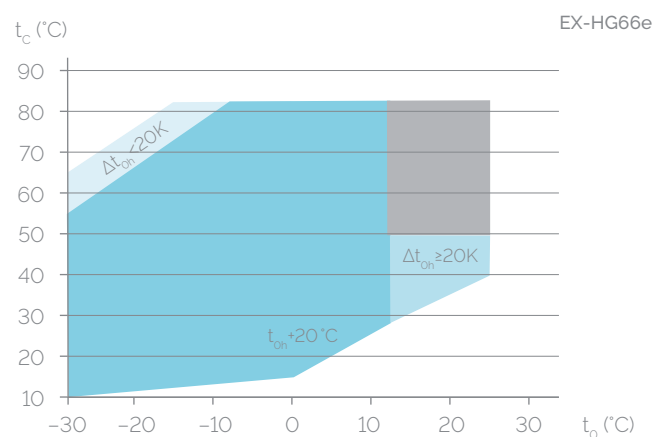
¹⁾ LP = low pressure, HP = high pressure

- Unlimited application range
- Motor version -S- (more powerful motor)
- Reduced suction gas temperature

R513A



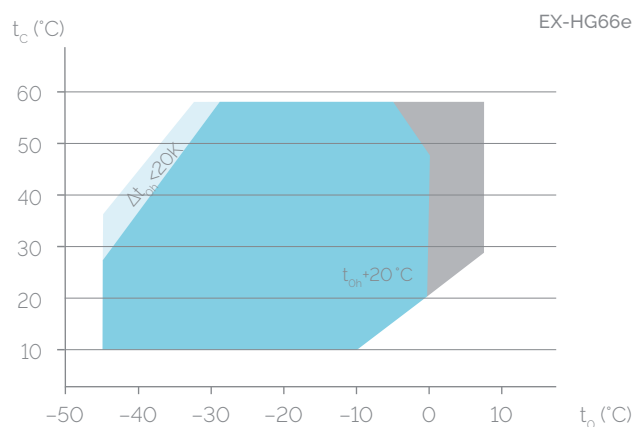
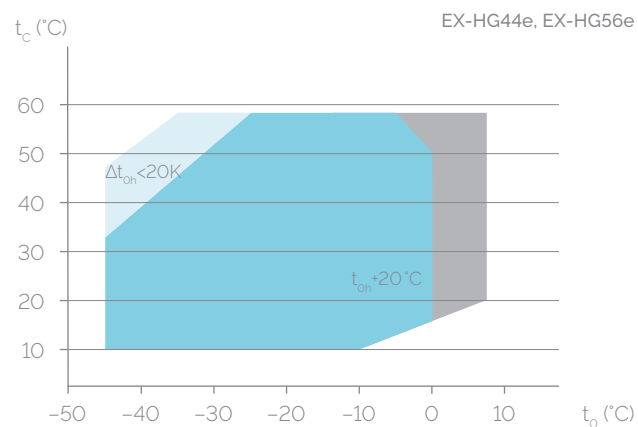
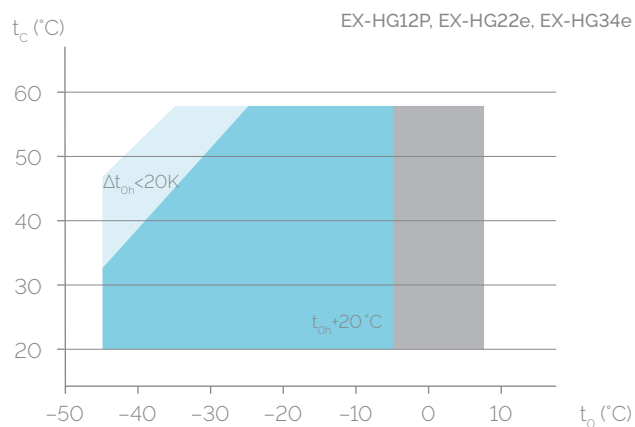
t_o Evaporating temperature (°C)
 t_c Condensing temperature (°C)
 Δt_{oh} Suction gas superheat (K)
 t_{oh} Suction gas temperature (°C)



Max. permissible operating pressure (LP/HP)¹⁾: 19/28 bar

¹⁾ LP = low pressure, HP = high pressure

- Unlimited application range
- Motor version -S- (more powerful motor)
- Reduced suction gas temperature
- Required minimum superheating $\Delta t_{oh} = 20K$

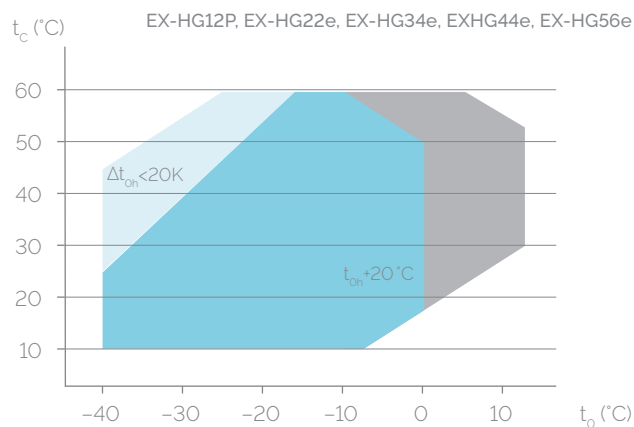


t_o Evaporating temperature (°C)
 t_c Condensing temperature (°C)
 Δt_{oh} Suction gas superheat (K)
 t_{oh} Suction gas temperature (°C)

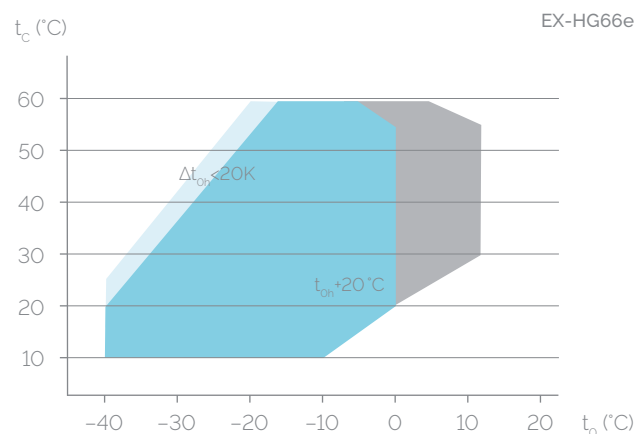
Max. permissible operating pressure (LP/HP)¹⁾: 19/28 bar

¹⁾ LP = low pressure, HP = high pressure

- Unlimited application range
- Motor version -S- (more powerful motor)
- Reduced suction gas temperature



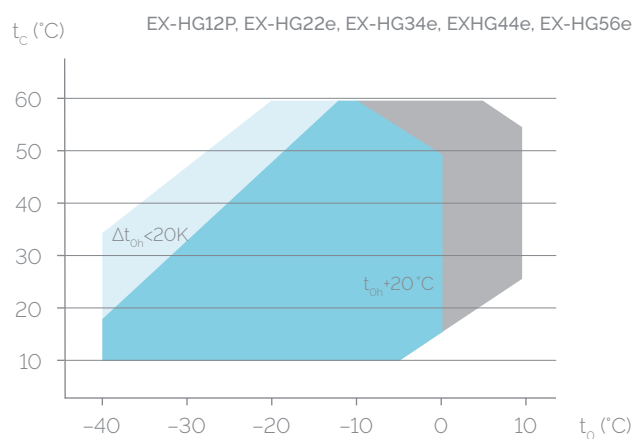
t_o Evaporating temperature (°C)
 t_c Condensing temperature (°C)
 Δt_{oh} Suction gas superheat (K)
 t_{oh} Suction gas temperature (°C)



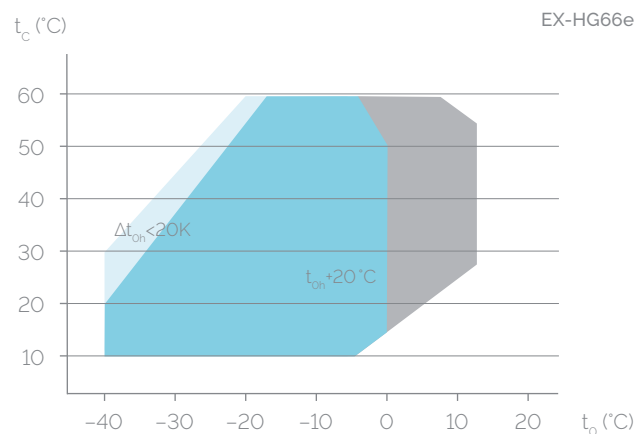
Max. permissible operating pressure (LP/HP)¹⁾: 19/28 bar
¹⁾ LP = low pressure, HP = high pressure

● Unlimited application range
 ● Motor version -S- (more powerful motor)
 ● Reduced suction gas temperature

R407A

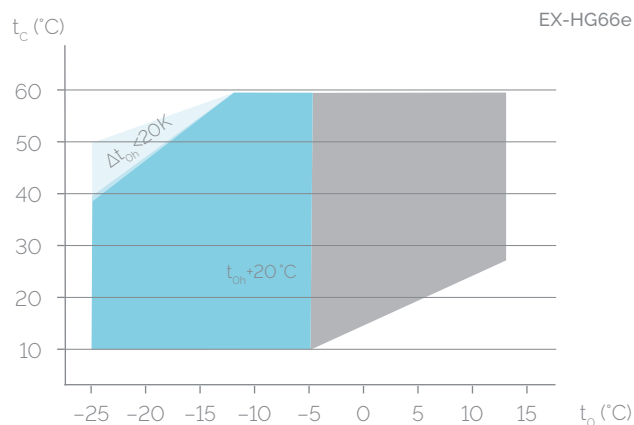
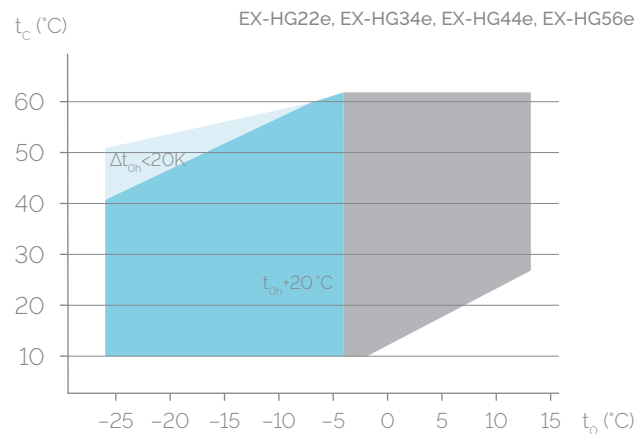
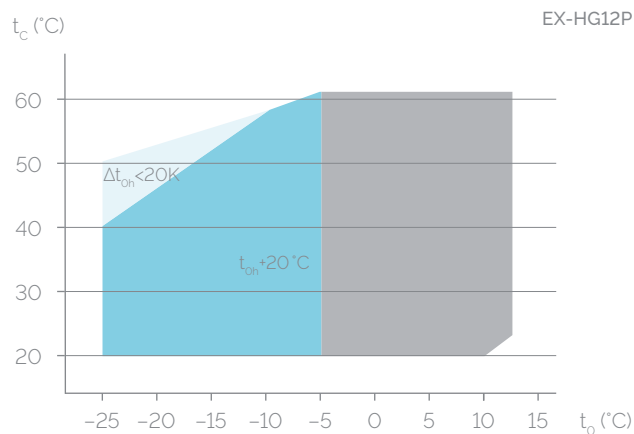


t_o Evaporating temperature (°C)
 t_c Condensing temperature (°C)
 Δt_{oh} Suction gas superheat (K)
 t_{oh} Suction gas temperature (°C)



Max. permissible operating pressure (LP/HP)¹⁾: 19/28 bar
¹⁾ LP = low pressure, HP = high pressure

● Unlimited application range
 ● Motor version -S- (more powerful motor)
 ● Reduced suction gas temperature

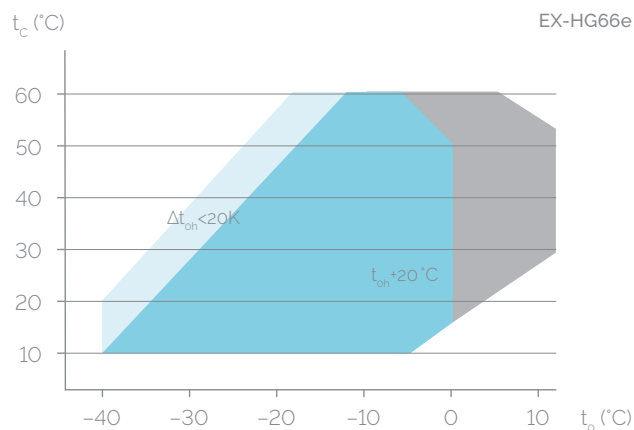
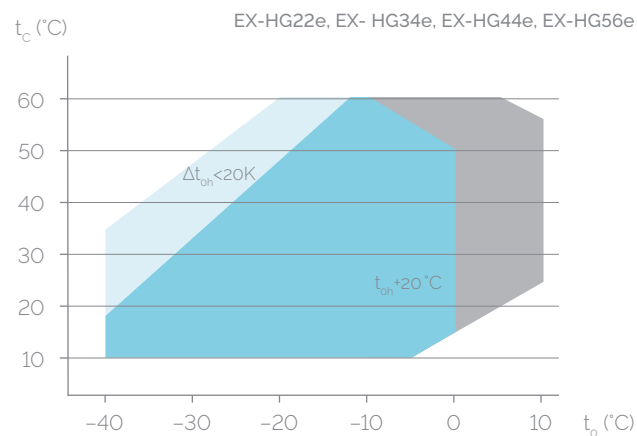
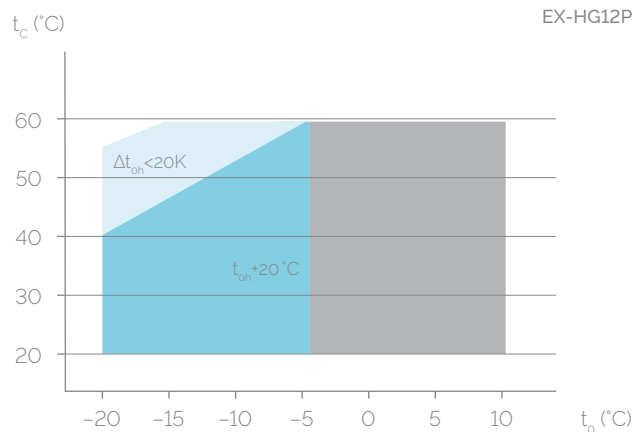


t_o Evaporating temperature (°C)
 t_c Condensing temperature (°C)
 Δt_{oh} Suction gas superheat (K)
 t_{oh} Suction gas temperature (°C)

Max. permissible operating pressure (LP/HP)¹⁾: 19/28 bar

¹⁾ LP = low pressure, HP = high pressure

- Unlimited application range
- Motor version -S- (more powerful motor)
- Reduced suction gas temperature



t_o Evaporating temperature (°C)

t_c Condensing temperature (°C)

Δt_{oh} Suction gas superheat (K)

t_{oh} Suction gas temperature (°C)

Max. permissible operating pressure (LP/HP)¹⁾: 19/28 bar

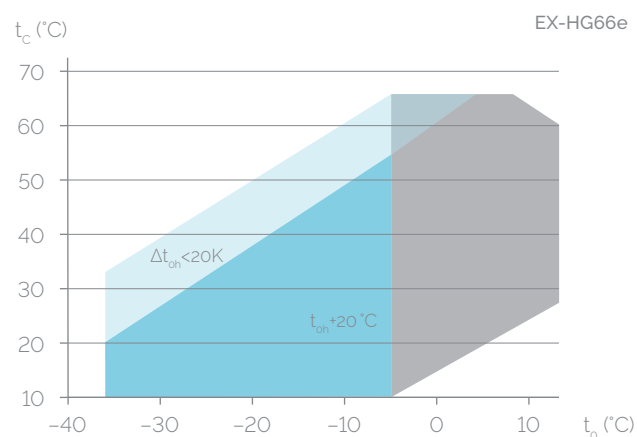
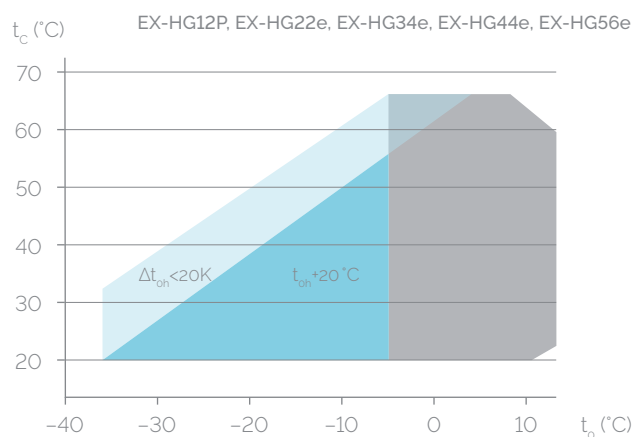
¹⁾ LP = low pressure, HP = high pressure

● Unlimited application range

● Motor version -S- (more powerful motor)

● Reduced suction gas temperature

R22



t_o Evaporating temperature (°C)

t_c Condensing temperature (°C)

Δt_{oh} Suction gas superheat (K)

t_{oh} Suction gas temperature (°C)

Max. permissible operating pressure (LP/HP)¹⁾: 19/28 bar

¹⁾ LP = low pressure, HP = high pressure

● Unlimited application range

● Motor version -S- (more powerful motor)

● Reduced suction gas temperature

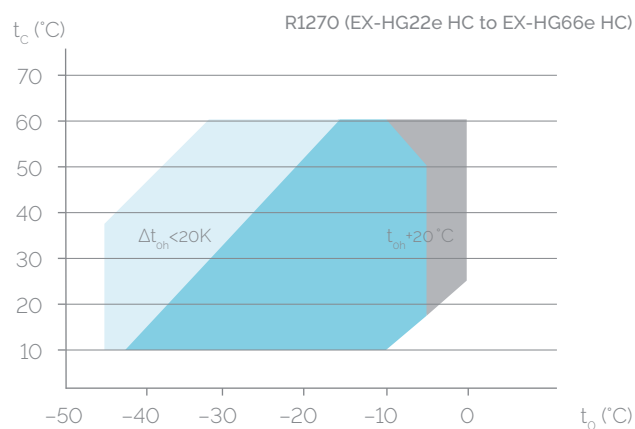
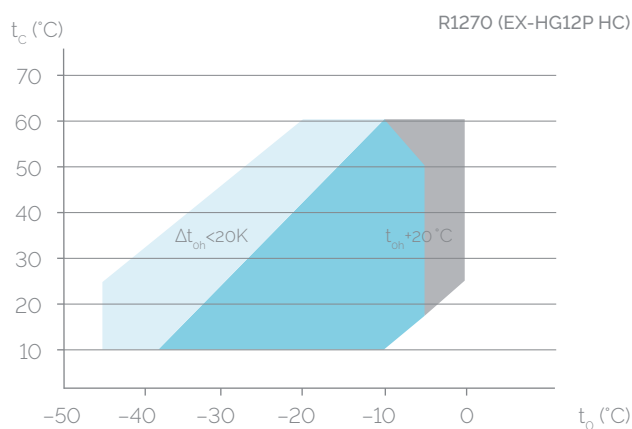
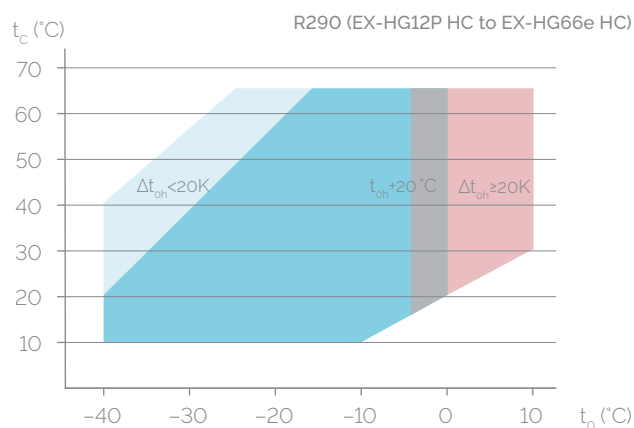
Notes

Operating limits

Compressor operation is possible within the limits shown on the application diagrams. Please note the colored areas. Compressor application limits should not be chosen for

design purposes or continuous operation.

Operating limits: hydrocarbons



Design for other ranges on request

The use of other hydrocarbons is permitted only following prior written approval from Bock

t_o Evaporating temperature (°C)
 t_c Condensing temperature (°C)
 Δt_{oh} Suction gas superheat (K)
 t_{oh} Suction gas temperature (°C)

- Required minimum superheating $\Delta t_{oh} \geq 20$ K
- Motor version -S- (more powerful motor)
- Required minimum superheating $\Delta t_{oh} \geq 20$ K
- Required minimum superheating $\Delta t_{oh} \geq 20$ K, the suction gas temperature must be adapted accordingly
- Reduced suction gas temperature ($\Delta t_{oh} < 20$ K)

Max. permissible operating pressure (LP/HP)¹⁾: 19/28 bar
¹⁾ LP = low pressure, HP = high pressure

Notes

Operating limits

The compressor can be operated within the operating limits shown in the diagram. The meaning of the color-shaded areas should be observed. A minimum superheating of $\Delta t_{oh} = 20$ K

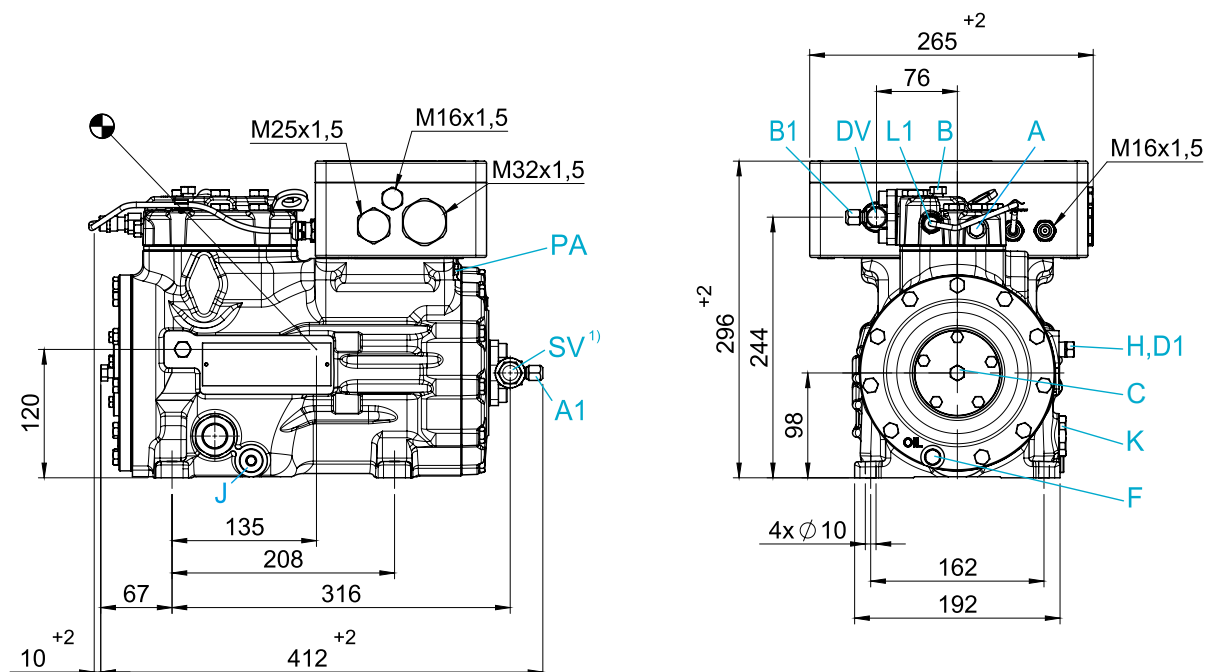
must be maintained for the dark-blue and gray application range. An internal IHX heat exchanger must be provided for this, if necessary. Thresholds should not be selected as the design point or the continuous operating point.

EX-HG12P

» EX-HG12P/60-4 S » EX-HG12P/75-4 » EX-HG12P/75-4 S » EX-HG12P/90-4

EX-HG12P... HC

» EX-HG12P/90-4 S » EX-HG12P/110-4 » EX-HG12P/110-4 S

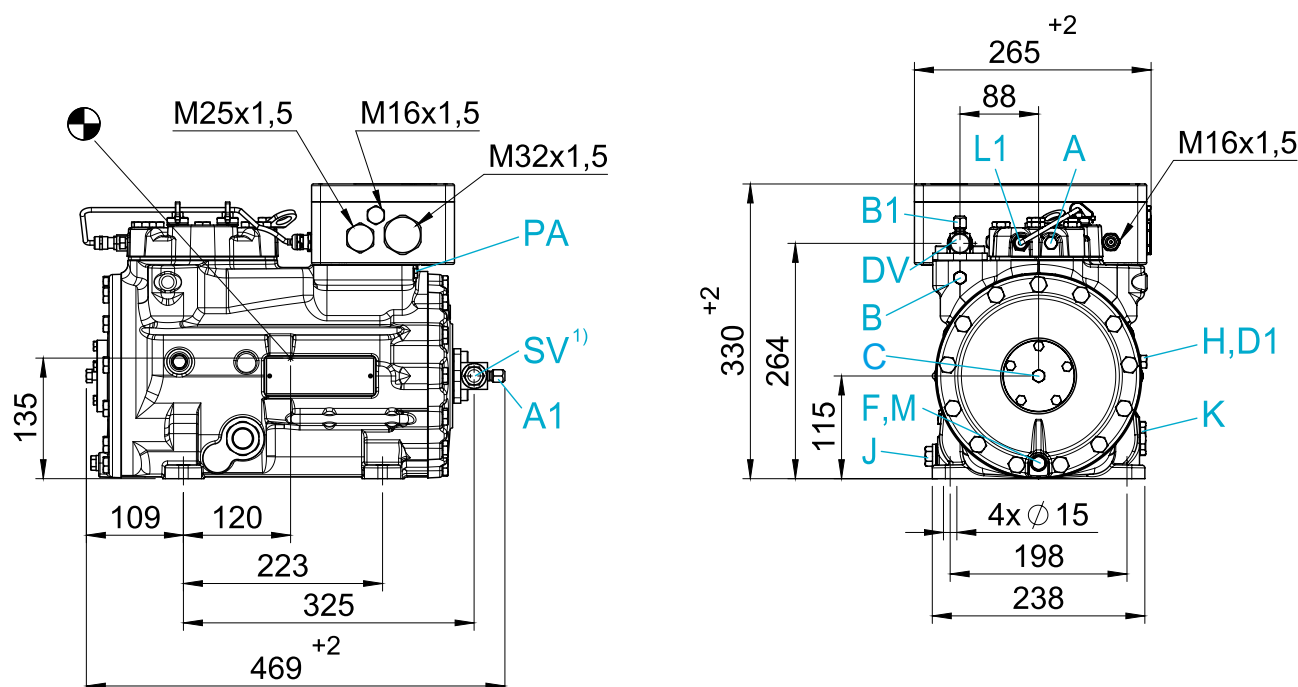


EX-HG22e

» EX-HG22e/125-4 » EX-HG22e/125-4 S » EX-HG22e/160-4

EX-HG22e... HC

» EX-HG22e/160-4 S » EX-HG22e/190-4 » EX-HG22e/190-4 S



Dimensions in mm

1) Position SV see table on page 29

☉ Center of gravity

For connections see page 30

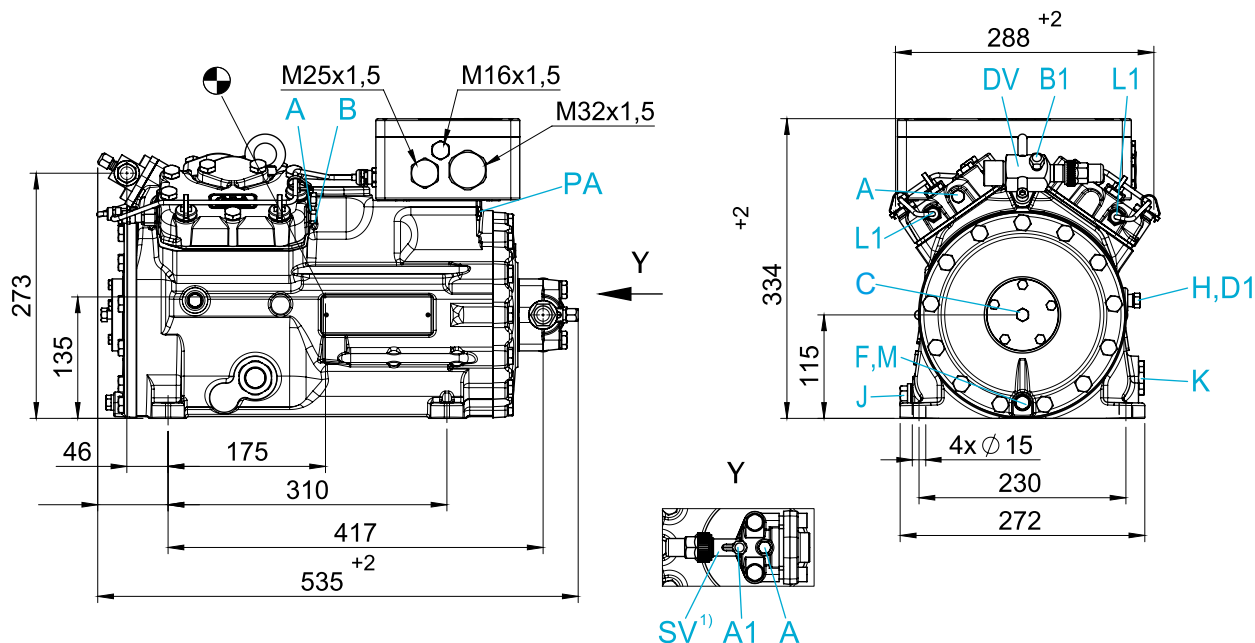
Dimensions for anti-vibration pad, see page 29

EX-HG34e

» EX-HG34e/215-4 » EX-HG34e/215-4 S » EX-HG34e/255-4 » EX-HG34e/255-4 S

EX-HG34e... HC

» EX-HG34e/315-4 » EX-HG34e/315-4 S » EX-HG34e/380-4 » EX-HG34e/380-4 S

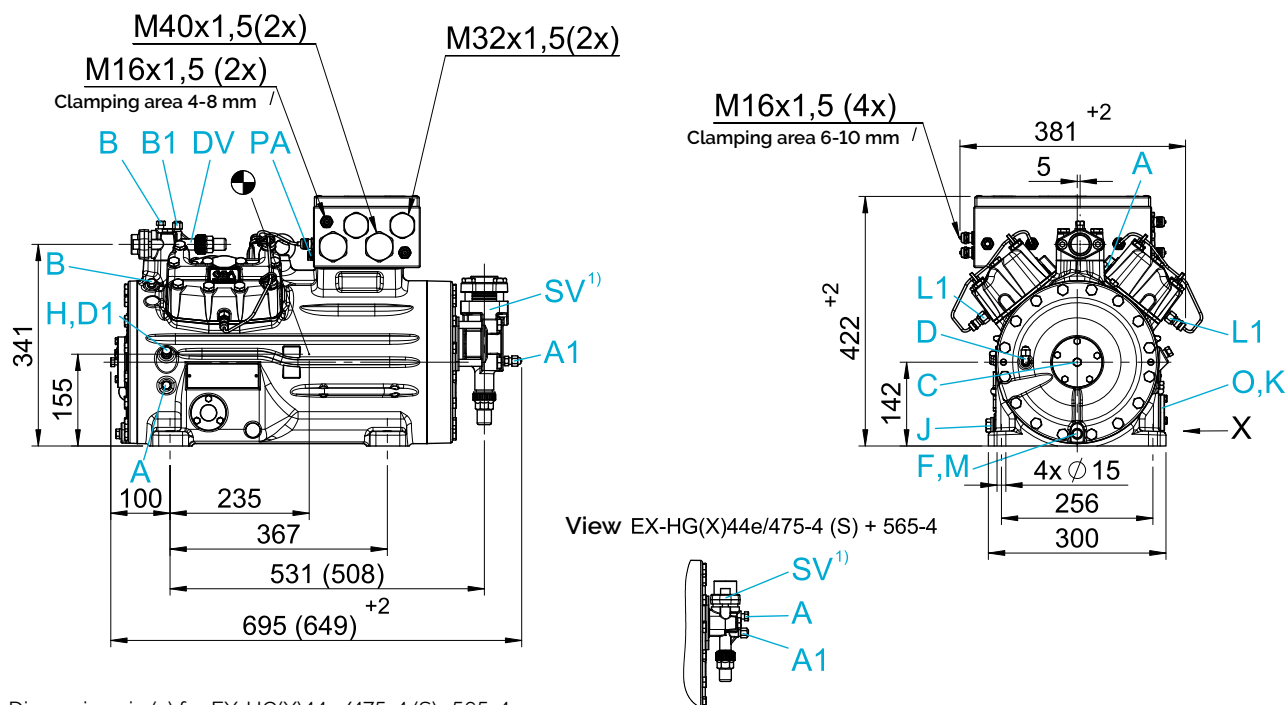


EX-HG44e

» EX-HG44e/475-4 » EX-HG44e/475-4 S » EX-HG44e/565-4 » EX-HG44e/565-4 S

EX-HG44e... HC

» EX-HG44e/665-4 » EX-HG44e/665-4 S » EX-HG44e/770-4 » EX-HG44e/770-4 S



Dimensions in () for EX-HG(X)44e/475-4 (S) +565-4

Dimensions in mm

1) Position SV see table on page 29

● Center of gravity

For connections see page 30

Dimensions for anti-vibration pad, see page 29

Dimensions for view X, see page 29