

OPERATION CAPACITY



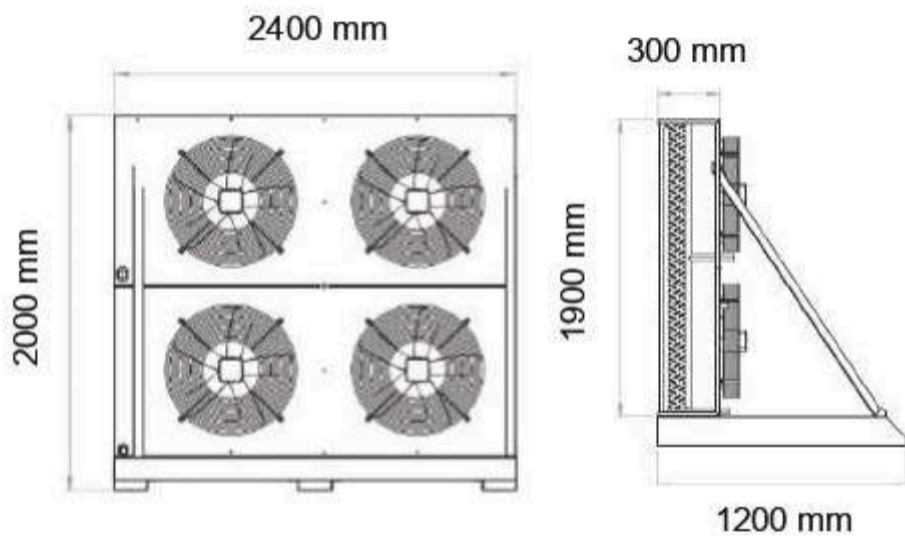
Qc (Kw): 59.3

Pi (Kw): 29.6

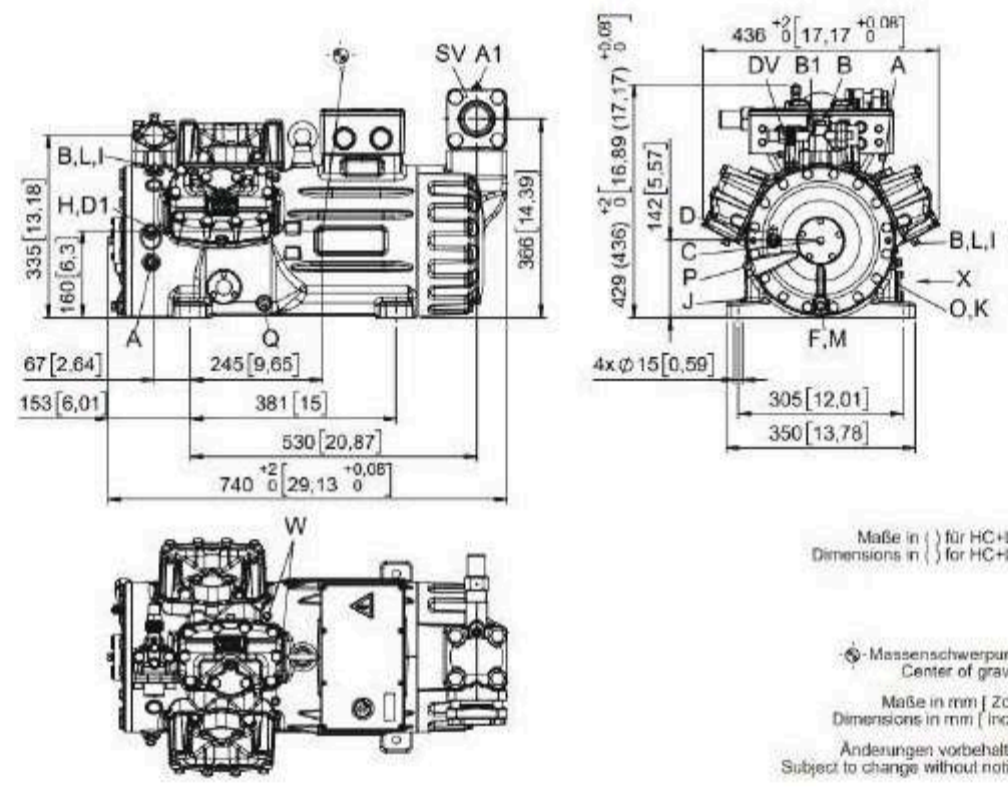
Qc: Cooling Capacity at Te = -8 °C and Tc = +50 °C

Pi: Power Input at Te = -8 °C and Tc = +50 °C

Model No. : KAL-100S6-HGX56e/1155-4S



Unit Model	(Tc)	Cooling Power	(Te) Evaporating Temperature °C					
			+5	0	-5	-10	-15	-20
KAL100S6-HGX56e/1155-4S	30	Q	139000	116000	96500	79500	64800	52200
		P	23.8	24.1	23.7	22.9	21.6	20
	35	Q	129000	108000	89200	73400	59700	47900
		P	27.1	26.8	25.9	24.6	22.9	20.9
	40	Q	119000	98900	81900	67200	54500	43600
		P	30.1	29.2	27.8	26.1	24	21.7
	45	Q	109000	90200	74500	60900	49200	39300
		P	32.8	31.4	29.6	27.4	25	22.4
	50	Q	98100	81400	67000	54600	43900	34900
		P	35.3	33.4	31.1	28.6	25.8	23.0
	55	Q	87800	72500	59400	48200	38600	30500
		P	37.5	35.2	32.5	29.6	26.6	23.6



Condenser Specification

Condenser Model	KC 100
Fan	
Qty.	4
Diameter (mm)	630
Air Flow (m3/h)	56400
Electrical	
supply	440-480V/3Ph/60Hz
Power Input (Watt)	900 x 4
Condenser Coil	
Internal Volume (l)	53.8
Heat Transfer Area (m2)	326.0
Headers	
Inlet (Inch)	1-5/8"
Outlet (Inch)	1-3/8"

Compressor Specification

Unit Model	KAL-100S6-HGX56e/1155-4S
Technical Data	
Condensing Unit Net Weight	626.0 kg
Displacement (1750 RPM 60Hz)	120.5 m3/hr
Max. Pressure (LP/HP)	19 / 28 bar
Connection Suction Line	54 mm - 2-1/8"
Connection Discharge Line	35 mm - 1-3/8"
Motor version	1
Motor Voltage	440-480V Y-3-60Hz
Max Operating Current	58.3 A
Max. Power Input	40.2 kW
Crankcase Heater	160 W PTC (Option)
Oil Type	E 55
Refrigerant	R404A

OPERATION CAPACITY



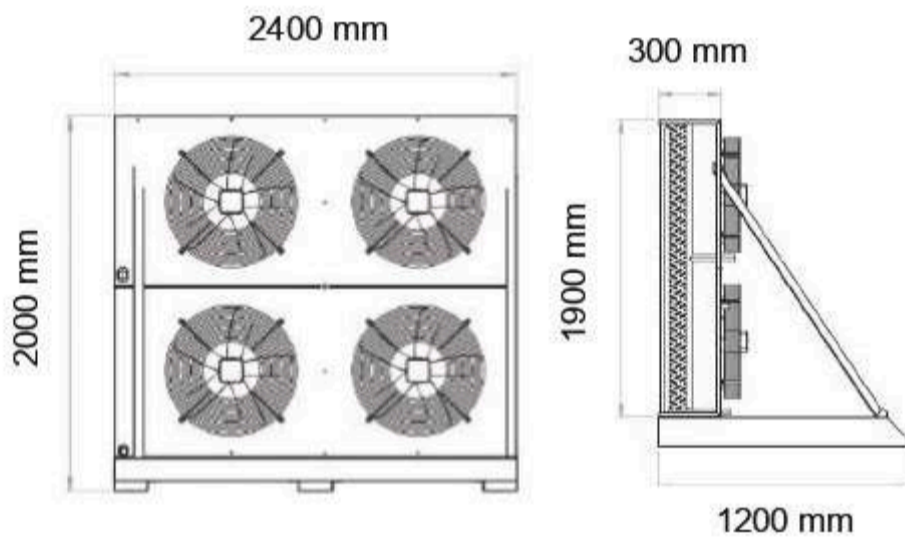
Qc (Kw): 59.7

Pi (Kw): 21.8

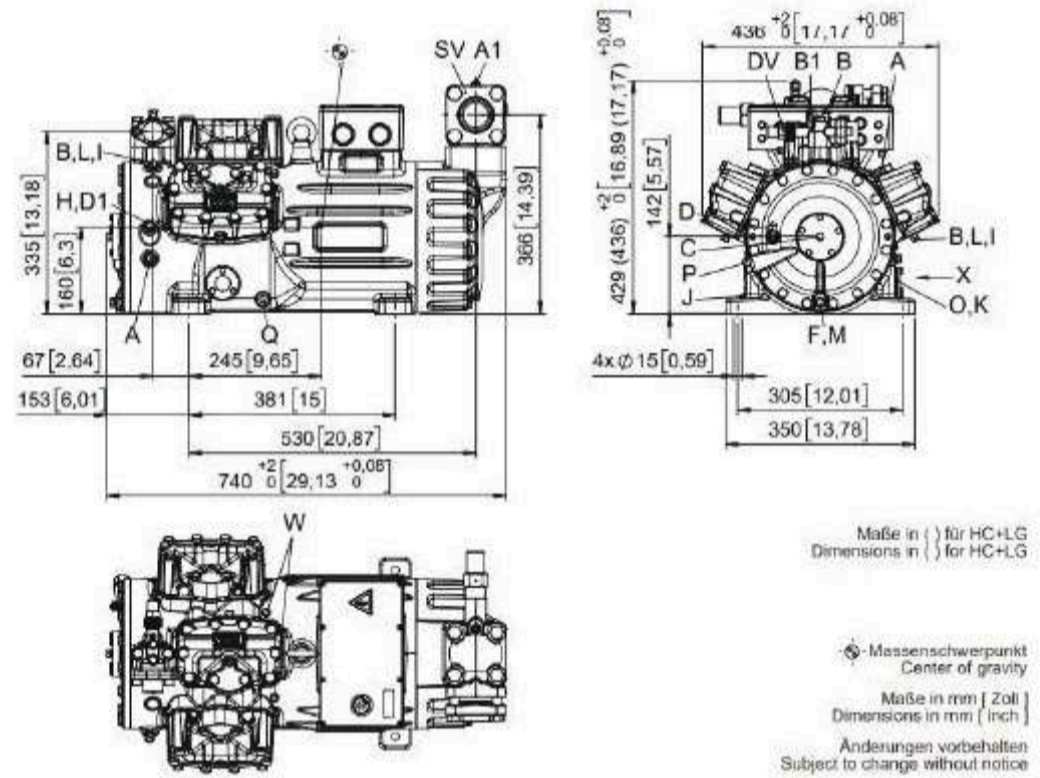
Qc: Cooling Capacity at Te = +5 °C and Tc = +55 °C

Pi: Power Input at Te = +5 °C and Tc = +55 °C

Model No. : KAL-100S6-HGX56e/1155-4S



Unit Model	(Tc)	Cooling Power	(Te) Evaporating Temperature °C					
			+10	+5	0	-5	-10	-15
KAL100S6-HGX56e/1155-4S	35	Q	97000	79300	64900	51900	40900	31600
		P	17.5	16.8	15.9	14.8	13.5	12.1
	40	Q	91100	74900	60700	48500	38100	29400
		P	19.1	18.2	17	15.7	14.2	12.6
	45	Q	85100	69300	56600	45100	35300	27100
		P	20.6	19.4	18.1	16.5	14.8	13.1
	50	Q	79000	64300	52300	41700	32500	24800
		P	22.1	20.7	19	17.3	15.4	13.4
	55	Q	73000	59700	48100	38200	29700	22500
		P	23.5	21.8	19.9	17.9	15.8	13.7
	60	Q	66900	54500	43900	34700	26900	20200
		P	24.8	22.8	20.7	18.5	16.1	13.8



Condenser Specification

Condenser Model	KC 100
Fan	
Qty.	4
Diameter (mm)	630
Air Flow (m3/h)	56400
Electrical	
Supply	440-480V/3Ph/60Hz
Power Input (Watt)	900 x 4
Condenser Coil	
Internal Volume (L)	53.8
Heat Transfer Area (m2)	326.0
Headers	
Inlet (Inch)	1-5/8"
Outlet (Inch)	1-3/8"

Compressor Specification

Unit Model	KAL-100S6-HGX56e/1155-4S
Technical Data	
Condensing Unit Net Weight	626.0 kg
Displacement (1750 RPM 60Hz)	120.5 m3/hr
Max. Pressure (LP/HP)	19 / 28 bar
Connection Suction Line	54 mm - 2-1/8"
Connection Discharge Line	35 mm - 1-3/8"
Motor version	1
Motor Voltage	440-480V Y-3-60Hz
Max Operating Current	58.3 A
Max. Power Input	40.2 kW
Crankcase Heater	160 W PTC (Option)
Oil Type	E 55
Refrigerant	R134A