

OPERATION CAPACITY



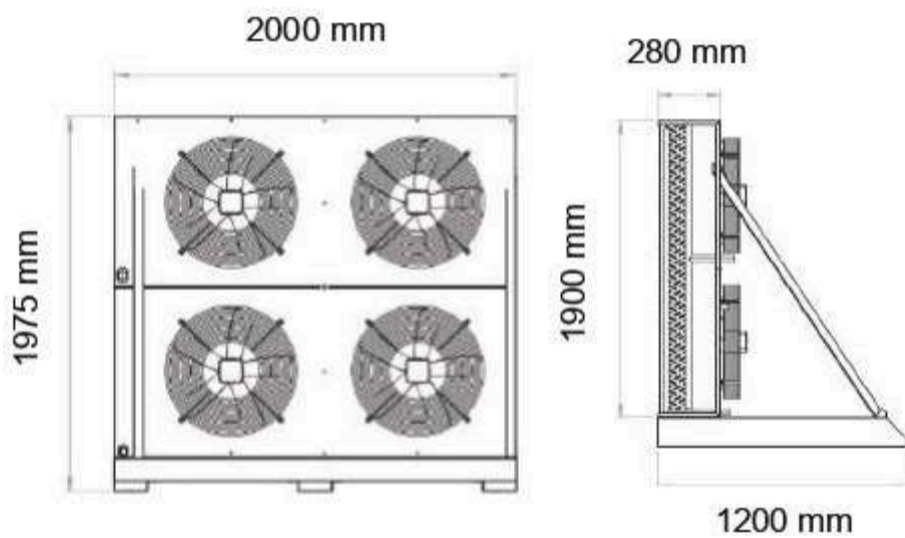
Qc (kw): 39.5

Pi (kw): 19.0

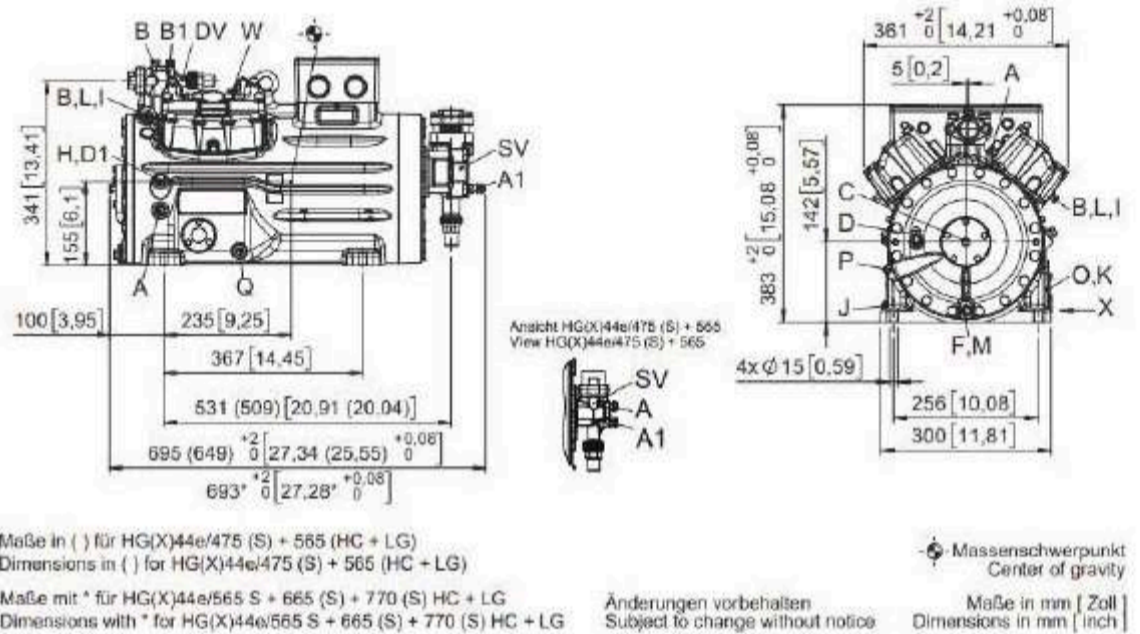
Qc: Cooling Capacity at Te = -8 °C and Tc = +50 °C

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

Model No. : KAL-077S6-HGX44e/770-4S



Unit Model	(Tc)	Cooling Power	(Te) Evaporating Temperature °C					
			+5	0	-5	-10	-15	-20
KAL077S6-HGX44e/770-4S	30	Q	92100	77300	64300	53000	43200	34800
		P	15.2	15.4	15.2	14.6	13.8	12.8
	35	Q	85500	71600	59500	48900	39800	32000
		P	17.4	17.2	16.6	15.7	14.6	13.4
	40	Q	78800	65900	54600	44800	36300	29100
		P	19.3	18.7	17.8	16.7	15.4	13.9
	45	Q	72100	60100	49600	40600	32800	26200
		P	21.1	20.2	19	17.5	16	14.3
	50	Q	65300	54200	44600	36300	29300	23300
		P	22.7	21.4	20	18.3	16.5	14.7
	55	Q	58400	48200	39500	32100	25700	20300
		P	24.2	22.6	20.9	19	17.1	15.1



Condenser Specification

Condenser Model	KC 077
Fan	
Qty.	4
Diameter (mm)	630
Air Flow (m3/h)	49600
Electrical	
supply	440-480V/3Ph/60Hz
Power Input (W)	650 x 4
Condenser Coil	
Internal Volume (l)	34.9
Heat Transfer Area (m2)	202.0
Headers	
Inlet (Inch)	1-5/8"
Outlet (Inch)	1-1/8"

Compressor Specification

Unit Model	KAL-077S6-HGX44e/770-4S
Technical Data	
Condensing Unit Net Weight	483.0 kg
Displacement (1750 RPM 60Hz)	80.4 m3/hr
Max. Pressure (LP/HP)	19 / 28 bar
Connection Suction Line	42 mm - 1-5/8"
Connection Discharge Line	28 mm - 1-1/8"
Motor version	1
Motor Voltage	440-480V Y-3-60Hz
Max Operating Current	35.0 A
Max. Power Input	25.9 kW
Crankcase Heater	160 W PTC (Option)
Oil Type	E 55
Refrigerant	R404A

OPERATION CAPACITY



Qc (kw): 39.7

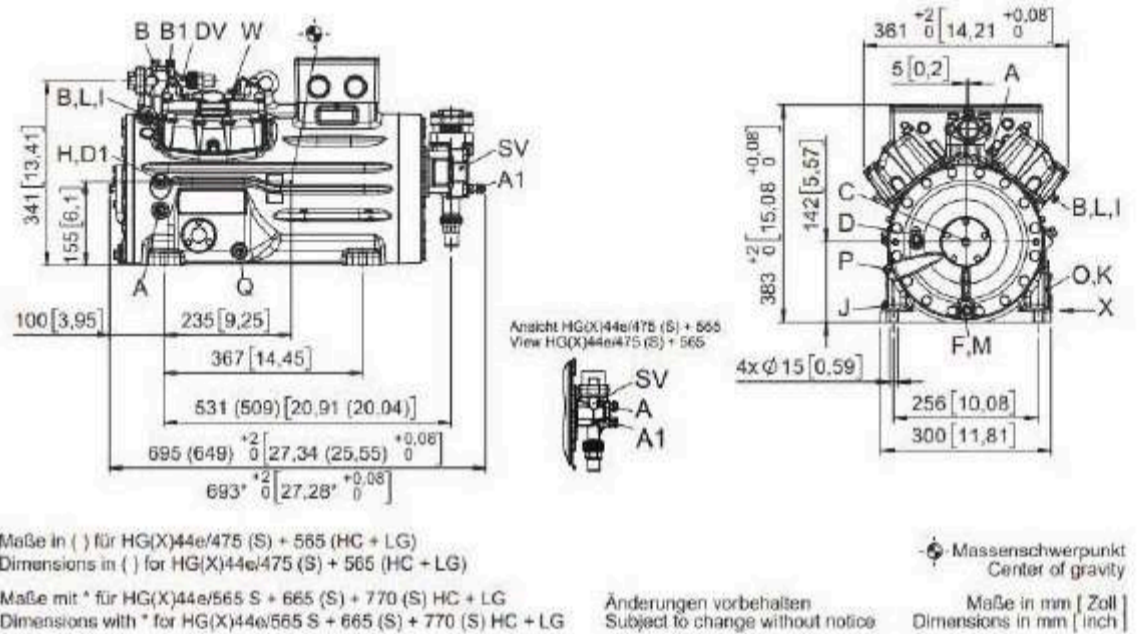
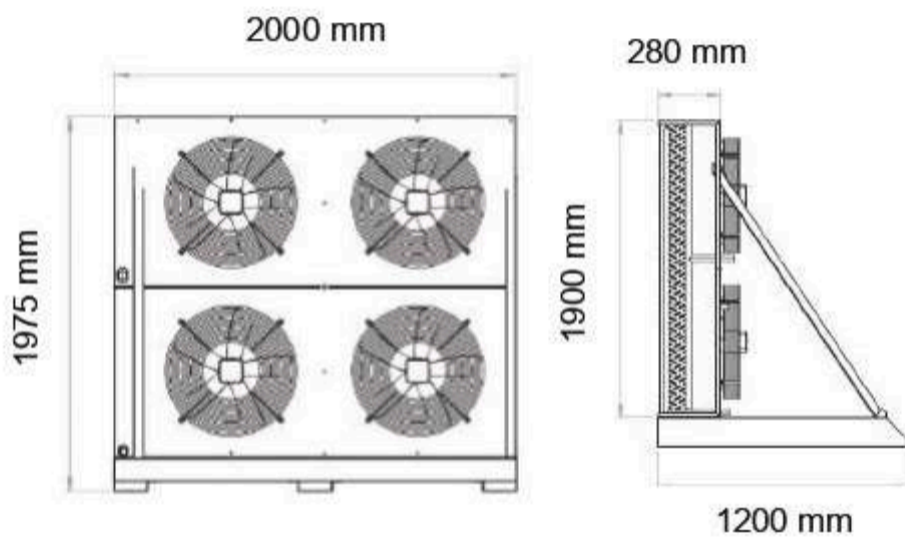
Pi (kw): 13.6

Unit Model	(Tc)	Cooling Power	(Te) Evaporating Temperature °C					
			+10	+5	0	-5	-10	-15
KAL077S6-HGX44e/770-4S	35	Q	64600	53300	43400	35000	27800	21700
		P	10.4	10.2	9.82	9.27	8.59	7.81
	40	Q	60500	49800	40600	32600	25800	20100
		P	11.5	11.1	10.6	9.9	9.08	8.18
	45	Q	56400	46400	37700	30300	23900	18500
		P	12.5	12	11.3	10.4	9.53	8.5
	50	Q	52400	43000	34900	27900	22000	16900
		P	13.6	12.9	12	11	9.92	8.76
	55	Q	48400	39700	32100	25600	20100	15400
		P	14.5	13.6	12.6	11.4	10.2	8.94
	60	Q	44400	36300	29300	23300	18100	13800
		P	15.4	14.3	13.1	11.8	10.4	9.02

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

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Refrigerant	R134A