COMPACT GAS ENGINE HEAT PUMP

TECHNICAL DATA

TÜV certified

ECWP … J				710
Rated heating capacity	A7 / W35 [1]		kW	82
Heating capacity	A-10 / W45 [1]		kW	67
Rated cooling capacity	A35 / W7 [1]		kW	71
Cooling capacity	A35 / W15 [1]		kW	84
Dimensions [2]	L x W x H		mm	2,170 x 2,100 x 800
Weight (with optional heat recovery)			kg	1,080
Electrical characteristics	Power supply		V / Ph / Hz	230 / 1 / 50
	Starting current		A	25
	Operation current heating / cooling		A	7.21 / 7.93
	Power consumption heating / cooling		kW	1.51 / 1.66
Fuel data	Gas type			Natural gas group II
	Rated gas consumption (LHV) heating / cooling		kW	53 / 61
	Max. gas consumption (LHV)		kW	79
	Gas supply pressure		mbar	17–25
Engine	Type			YANMAR four-stroke engine, water-cooled
	Cylinder			4
	Cubic capacity		cm^3	2,190
	Speed range	Heating	1 / min	650–2,800
		Cooling	1 / min	650–2,300
	Lubricant oil	Type		YANMAR genuine GEHP oil
		Quantity	l	50
Cooling water engine	Type			YANMAR genuine LLC
	Quantity		l	30.5
	Concentration		%	50
Compressors	Type			Scroll
	Quantity			2
	Power transmission			Poly-V flat belt
Refrigerant	Type			R410A
	Quantity		kg	11.8
Water	Nominal volume flow		m^3/h	12.2
	Water content		l	10.4
	Nominal pressure loss		kPa	24
Fans	Type			Axial
	Quantity			3
	Related air flow		m^3/h	34,200
	External pressure (max.)		Pa	5 (30)
Sound pressure level [3]	Nominal		dB(A)	62
	Quiet mode		dB(A)	59
	Maximum (heating mode)		dB(A)	66
Pipe connections	Water pipes		Inch	2
	Exhaust pipe (outside diameter)		mm	60.5
	Fuel gas pipe		Inch	R 3 / 4
	Drain pipe (inside diameter)		mm	15
	Exhaust drain pipe (inside diameter)		mm	15
Maintenance interval engine / engine oil [4]			h	10,000 / 20,000
Heating capacity heat recovery (optional, in cooling mode)			kW	30

1) These are water outlet temperatures.
2) See accessories for dimensions with vibration dampers.
3) The operating noise levels shown above where measured at a distance of 1 m to the front face of each unit and at a height of 1.5 m and then converted into an anechoic room equivalent level. The noise level of the actually installed unit is usually higher than the indicated value due to influences of ambient noise and echo.
4) Depending on working and operating conditions.