

GAS ENGINE HEAT PUMP 3-PIPE

TECHNICAL DATA

EFZP ... JC			560	850	
Rated heating capacity ^{1,4)}	A7 DB / L20	kW	63	95	
Heating capacity ¹⁾	A-7 DB / L20	kW	67	95	
Rated cooling capacity ^{1,4)}	A35 / L27 DB (19 WB)	kW	56	85	
Dimensions ²⁾	H x W x D	mm	2,170 x 1,690 x 800	2,170 x 2,100 x 800	
Weight		kg	890	1,070	
Connectable indoor units ³⁾	Design factor IU to OU	%	50-130		
	Min. capacity IU	kW	2.2		
	Max. number IU		32	48	
Electrical connection	Power supply	V / Ph / Hz	230 / 1 / 50		
	Starting current	A	20	25	
	Operating current heating / cooling	A	4.40 / 4.73	7.21 / 7.93	
	Power consumption heating / cooling	kW	0.92 / 0.99	1.51 / 1.66	
Fuel data	Gas type		Natural gas group II		
	Rated gas consumption (LHV) heating / cooling	kW	39 / 41	60 / 61	
	Max. gas consumption (LHV)	kW	70	90	
	Gas supply pressure	mbar	17-25		
Engine	Type		YANMAR four-stroke engine, water-cooled		
	Cylinder		3	4	
	Cubic capacity	cm ³	1,642	2,190	
	Speed range	heating	1 / min	650-2,800	650-2,800
		Cooling	1 / min	650-2,200	650-2,300
	Lubricant oil	Type		YANMAR genuine GEHP oil	
Quantity		l	38	50	
Cooling water engine	Type		YANMAR genuine LLC		
	Quantity	l	23	29	
	Concentration	%	50		
Compressors	Type		Scroll		
	Quantity		2		
	Power transmission		Poly-V flat belt		
Refrigerant	Type		R410A		
	Quantity	kg	11.8		
Fans	Type		Axial		
	Quantity		2	3	
	Related air flow	m ³ / h	21,600	32,400	
	External pressure (max.)	Pa	5 (30)		
Sound pressure level ⁵⁾	Nominal	dB(A)	58	62	
	Quiet mode	dB(A)	55	59	
	Maximum (heating)	dB(A)	62	66	
Pipe connections	Refrigeration gas / hot gas / liquid pipe	mm	28 / 22 / 16	35 / 28 / 18	
	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		h	10,000 / 20,000		

1) Capacities, electrical characteristics and fuel consumptions are calculated for a standard indoor/outdoor unit combination with a 7.5 m piping length and 0 m level difference.

2) See accessories for dimensions with vibration dampers

3) When using the indoor unit and outdoor unit, the total of the performance index for the indoor units must be approximately as great or as small as the performance index of the outdoor unit. In light of this, the performance index must not exceed 130 %.

4) The operating noise levels shown above were 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.

5) Depending on working and operating conditions