

10kW



Model

HPID10R32

ErP Rating* (Heating)	A+++
Height (mm)	882
Width (mm)	874
Depth (mm)	405
Weight (Full) (kg)	71.8
SCOP average climate conditions*	5.20
Sound pressure level at 1 m (dBA)	53

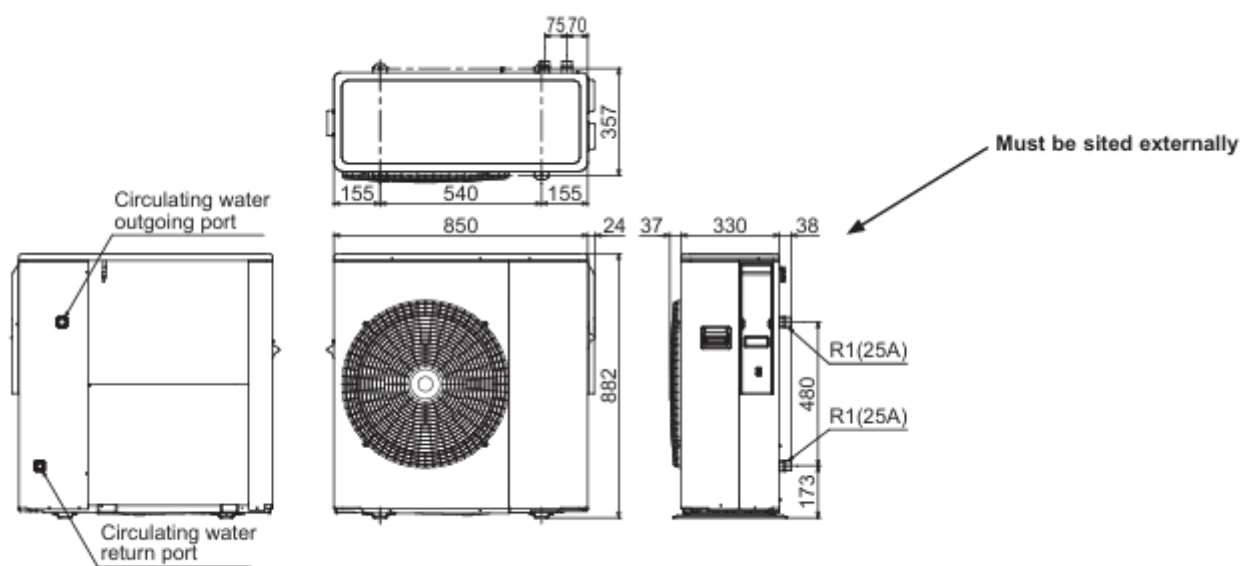


Figure 2-2: HPID10R32 heat pump dimensions

2.1 HEAT PUMP TECHNICAL DATA

Table 2-1: Technical data

	Unit	Model			
		HPID6R32	HPID10R32	HPID13R32	HPID17R32
Heating capacity (BS EN 14511 - air: 7°C / water: 35°C)	kW	6.92	11.1	13.6	18.0
COP (BS EN 14511 - air: 7°C / water: 35°C)		4.91	5.28	5.25	4.79
SCOP (average climate conditions) - 35°C		4.61	5.20	5.40	4.54
Heating capacity (BS EN 14511 - air: 7°C / water: 55°C)	kW	6.24	10.5	11.4	15.3
COP (BS EN 14511 - air: 7°C / water: 55°C)		3.04	3.12	3.23	3.15
SCOP - average climate conditions (BS EN 14825 - water: 55°C)		3.29	3.47	3.72	3.57
Power supply		~230V 50Hz			
Effective power input (BS EN 14511 - air: 7°C / water: 35°C)	kW	1.41	2.10	2.59	3.77
Effective power input (BS EN 14511 - air: 7°C / water: 55°C)	kW	2.05	3.36	3.53	4.87
Mechanical protection		IPX4			
Compressor		DC twin rotary inverter driven			
Pressure (maximum)	MPa	4.2			
Refrigerant		R32			
Mass of R32	kg	0.80	1.55	2.20	2.80
Circulating pump	m head	10	6	12	12
Rated air flow (BS EN 14511 - air: 7°C / water: 35°)	m³/h	2,082	2,664	4,464	4,464
Rated air flow (BS EN 14511 - air: 7°C / water: 55°)	m³/h	2,082	2,664	4,664	4,464
Power input of fan (BS EN 14511 - air: 7°C / water: 35°)	kW	-	-	-	-
Power input of fan (BS EN 14511 - air: 7°C / water: 55°)	kW	-	-	-	-
Power input of circulating pump (BS EN 14511 - air: 7°C / water: 35°)	kW	-	-	-	-
Power input of circulating pump (BS EN 14511 - air: 7°C / water: 55°)	kW	-	-	-	-
Flow rate (minimum)	litres/min	5	10	15	15
Rated flow rate (BS EN 14511 - air: 7°C / water: 35°)	litres/min	20.22	32.16	40.68	50.88
Rated flow rate (BS EN 14511 - air: 7°C / water: 55°)	litres/min	11.34	19.26	20.76	27.90
Outdoor temperature	°C	-20 to 43			
Maximum inlet water temperature (not operating)	°C	70			
Water pressure (system)	MPa (bar)	0.1 to 0.3 (1 to 3 bar)			
Sound power level at 1 metre (external)	dB(A)	65.2	64	60.8	61.6
Sound pressure level at 1 metre (external) (Q=1)	dB(A)	54.2	53	49.8	50.6
Water connections	BSPF	¾"	1"	1½"	1½"
Weight (empty)	kg	51	70	99	118
Weight (full)	kg	52.8	71.8	101	120
Water content	litres	1.8	1.8	2.0	2.0
Heat pump casing volume	m³	0.167	0.247	0.468	0.468
ErP rating (low temperature: 35°C flow) - heating		A++ (A+++ from September 2019)			
ErP rating (low temperature: 55°C flow) - heating		A++ (HPID13R32 will be A+++ from September 2019)			