

Heat pump Manufacturer	Samsung
Heat pump Model number	AE160RXYDEG/EU
Heat pump type	Monobloc
Heat pump model name	Samsung EHS Generation 6 - 16kW



Capacity information:

Flow temp V						
Ext temp V	30°C	35°C	40°C	45°C	50°C	55°C
-10°C	14.37	14.39	13.96	13.8	13.77	13.73
-7°C	14.56	14.16	14.14	14.12	14.06	13.12
-2°C	14.01	13.48	13.14	12.67	12.28	11.63
2°C	13.58	12.94	12.05	11.03	10.58	10.03
7°C	16.8	16	15.7	15.4	15.2	15

Further information:

Dimensions	
Height	1420mm
Width	940mm
Depth	330mm
Weight (Net)	110kg

Efficiency		
MCS Listed SCOP @	35°C flow	4.35
	40°C flow	4.12
	45°C flow	3.88
	50°C flow	3.65
	55°C flow	3.42

MCS Certificate number(s)	
011-1W0446(4)	MIM-E03CN controller
011-1W0446(3)	200ltr Climate Hub Tank
011-1W0447(4)	260ltr Climate Hub Tank

Hydronics	
Minimum water content of system	50 Litres
Nominal flow-rate	46 l/min
Pressure drop after heat exchanger	25 kPa
Connection size	BSPP1" Male
Typical primary pipework size*	35mm
Integral expansion vessel capacity	N/A

Max sound power level	66dB(A)
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Flow temperature	PCDB index number
35°C	104385
45°C	104384
55°C	104383

Coastal location restriction
Requires treatment if installed within 500m of coast

Refrigerant	
Type	R-32
Quantity	2.2kg

ENA Info	
Connect and notify/apply to connect	Connect and Notify
ENA database reference	HP_0909

Electrical	
Breaker needed	35A Type B RCBO
Min isolator rating	35A

Acceptable antifreeze arrangement
Glycol

Warranty
2 years standard - 7 years if trained by Samsung