



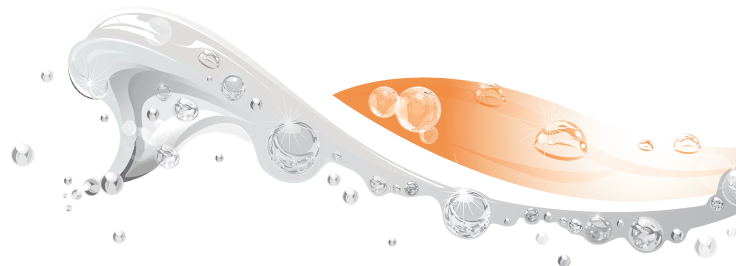
## Distribution Network and System Operator Information (DNO/DSO)

The UK's long term strategy for decarbonisation of heat relies heavily on large scale roll out of heat pumps to domestic and non-domestic properties.

Modern heat pumps such as Mitsubishi Electric's Ecodan can modulate to provide the level of output the building needs to keep its owners warm, which means many of the fixed speed, direct on-line compressors with high starting currents have become a thing of the past.

This product information sheet produced in collaboration with the Energy Networks Association (ENA) provides all the electrical characteristics of our heat pumps. The information is used by the installers to notify the DNO of the electrical load changes being made to the property.

All of the products listed meet the strict Electromagnetic Capability (EMC) testing criteria to conform to EN61000 3-2 and 3-3 or EN61000 3-11 and 3-12, all require less than 40Amps making them ideal for applications across the country.



# Heating

## Product Information

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Making a World of Difference



MODEL		QUHZ-W40VHA 4kW Ecodan	PUHZ-W50VHA2 5kW Ecodan	PUHZ-W85VAA 8.5kW Ecodan	PUHZ-W112VAA 11.2kW Ecodan	PUHZ-HW140VHA2 14kW Ecodan	PUHZ-HW140YHA2 14kW 3ph Ecodan
	Max power consumed (kVA)	3.67	3.05	5.06	6.44	8.21	9.34
	Maximum current (A)	12	13	22	28	35	13
	Power factor	96%	97%	97%	95%	97%	93%
ELECTRICAL SUPPLY	Voltage	230V, 50Hz	230V, 50Hz	230V, 50Hz	230V, 50Hz	230V, 50Hz	415V, 50Hz
	Phase	1 Phase	1 Phase	1 Phase	1 Phase	1 Phase	3 Phase
SUPPLEMENTARY INFORMATION	Booster heater	None	None	None	None	None	None
	Backup heater	None	None	None	None	None	None
	Starting current (A)	2	2	2	2	2	2
	Compressor type	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Starts per hr	6	6	6	6	6	6
ELECTROMAGNETIC COMPATABILITY DIRECTIVE	EN61000 3-2 compliant	✓	✓	✓	-	✓	✓
	EN61000 3-3 compliant	✓	✓	✓	-	✓	✓
	EN61000 3-11 compliant	-	-	-	✓	-	-
	EN61000 3-12 compliant	-	-	-	✓	-	-
DECLARATION OF CONFORMITY (DOC)		✓	✓	✓	✓	✓	✓
ENERGY NETWORKS ASSOCIATION (ENA) FORM A (J1)		✓	✓	✓	-	✓	✓
ENERGY NETWORKS ASSOCIATION (ENA) FORM B (J2)		-	-	-	✓	-	-

✓ = YES.



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**Note:** The fuse rating is for guidance only. Please refer to the relevant databook for detailed specification. It is the responsibility of a qualified electrician/electrical engineer to select the correct cable size and fuse rating based on current regulation and site specific conditions. Mitsubishi Electric's air conditioning equipment and heat pump systems contain a fluorinated greenhouse gas, R410A (GWP:2088), R32 (GWP:675), R407C (GWP:1774) or R134a (GWP:1430). \*These GWP values are based on Regulation (EU) No 517/2014 from IPCC 4th edition. In case of Regulation (EU) No.626/2011 from IPCC 3rd edition, these are as follows: R410A (GWP:1975), R32 (GWP: 550), R407C (GWP:1650) or R134a (GWP:1300).



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