



## CONDITIONING, IRRIGATION, WATER TRANSFER

Pumping of water or other liquids that are non aggressive, non explosive and free of solid or fibre particles. Specially suitable for pumping of glycol water mix for air conditioning systems.

**VERSATILE:** thanks to the use of the MCE 22/C inverter, performance is such as to allow automatic adaptation to meet the various system requirements, while maintaining constant differential pressure; also, thanks to the top quality construction materials and generously sized motors, the series KCE and KCVE can be used with a glycol percentage of 40% in the pumped liquid.

**RELIABLE:** all components have been sized to guarantee a lifetime of at least 50,000 operating hours (with the exception of the bearings and mechanical seals, guaranteed by the manufacturer for an average lifetime of 25,000 operating hours in heavy-duty operating conditions)

**RUST-PROOF:** all components in contact with the liquid are constructed in thermoplastic material (polypropylene or reinforced noryl) and the pump shaft in stainless steel (AISI 304).

**FLEXIBLE:** possibility of rotating the pump body through steps of 90° to increase flexibility of installation. Hydraulic assembly (pump, body, seal support flange,

impeller, diffuser) in fibre glass reinforced technopolymer, extension of shaft in contact with liquid in AISI 304 stainless steel.

Mechanical seal in silicon carbide/graphite, O-rings in EPDM. Asynchronous motor, continuous duty with external ventilation (S1), 2-pole.

Watertight ball bearings, resistant to water and humidity. Motor construction according to EN 60335-2-41 standards.

**Operating range:** from 3 to 45 m<sup>3</sup>/h.

**Maximum head:** 24 m.

**Liquid temperature range:** from -10 to +55°C.

**Pumped liquid:** clean, free of solid or abrasive substances, chemically neutral, close to the characteristics of water.

**Max. ambient temperature:** +40°C.

**Maximum glycol percentage:** up to 40%.

**Maximum operating pressure:** 6.5 bar.

**Motor protection rating:** IP 55.

**Insulation class:** F (copper wire to insulation class H).

**Voltage as standard:** single phase 1x220-240 V / 50-60 Hz.

**Special version available on request:** three-phase 3x400V / 50 Hz or three-phase 3x460V / 60 Hz.

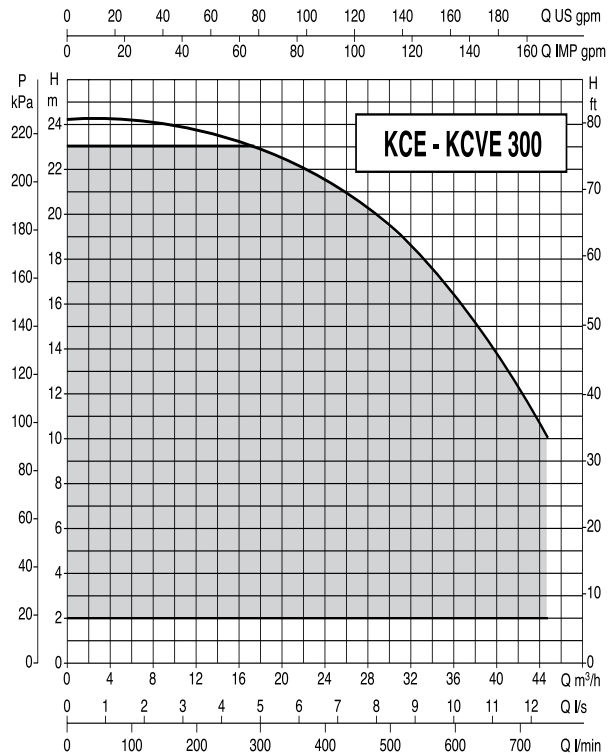
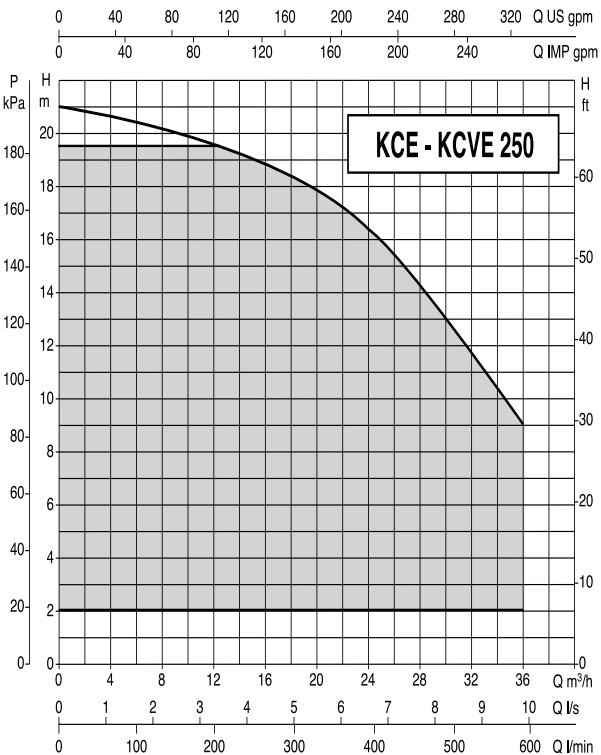
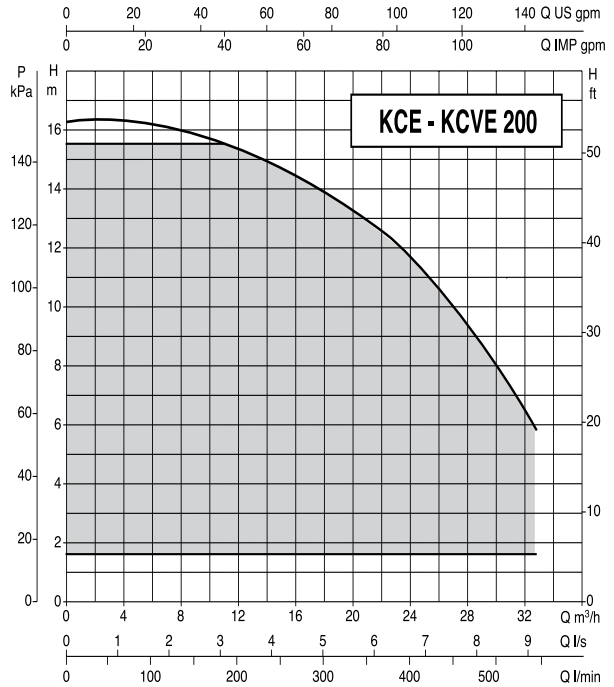
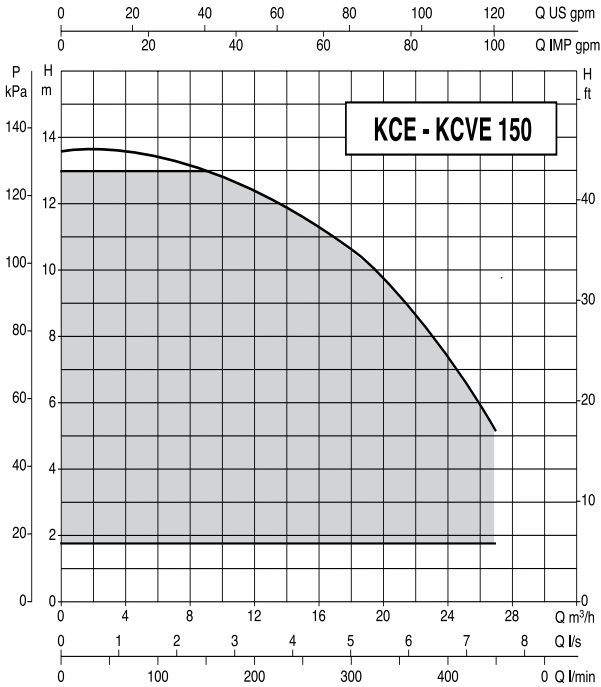
## TECHNICAL DATA

MODEL	CODE	ELECTRICAL DATA				
		VOLTAGE 50 Hz	P1 MAX kW	P2 (W)	In A	PUMP CONFIGURATION
KCE 150 M MCE11/C*	60143338	1x220-240 V~	1,19	1,00	9,54	230D
KCE 200 M MCE15/C*	60143339	1x220-240 V~	1,19	1,00	9,54	230D
KCE 250 M MCE22/C*	60143340	1x220-240 V~	1,71	1,70	12,87	230D
KCE 300 M MCE22/C*	60143341	1x220-240 V~	1,71	1,70	12,87	230D
KCVE 150 M MCE11/C*	60143342	1x220-240 V~	2,67	2,50	19,01	230D
KCVE 200 M MCE15/C*	60143343	1x220-240 V~	2,67	2,50	19,01	230D
KCVE 250 M MCE22/C*	60143344	1x220-240 V~	3,45	3	7,7	230D
KCVE 300 M MCE22/C*	60143345	1x220-240 V~	3,45	3	7,7	230D

\*Three-phase versions available on request.

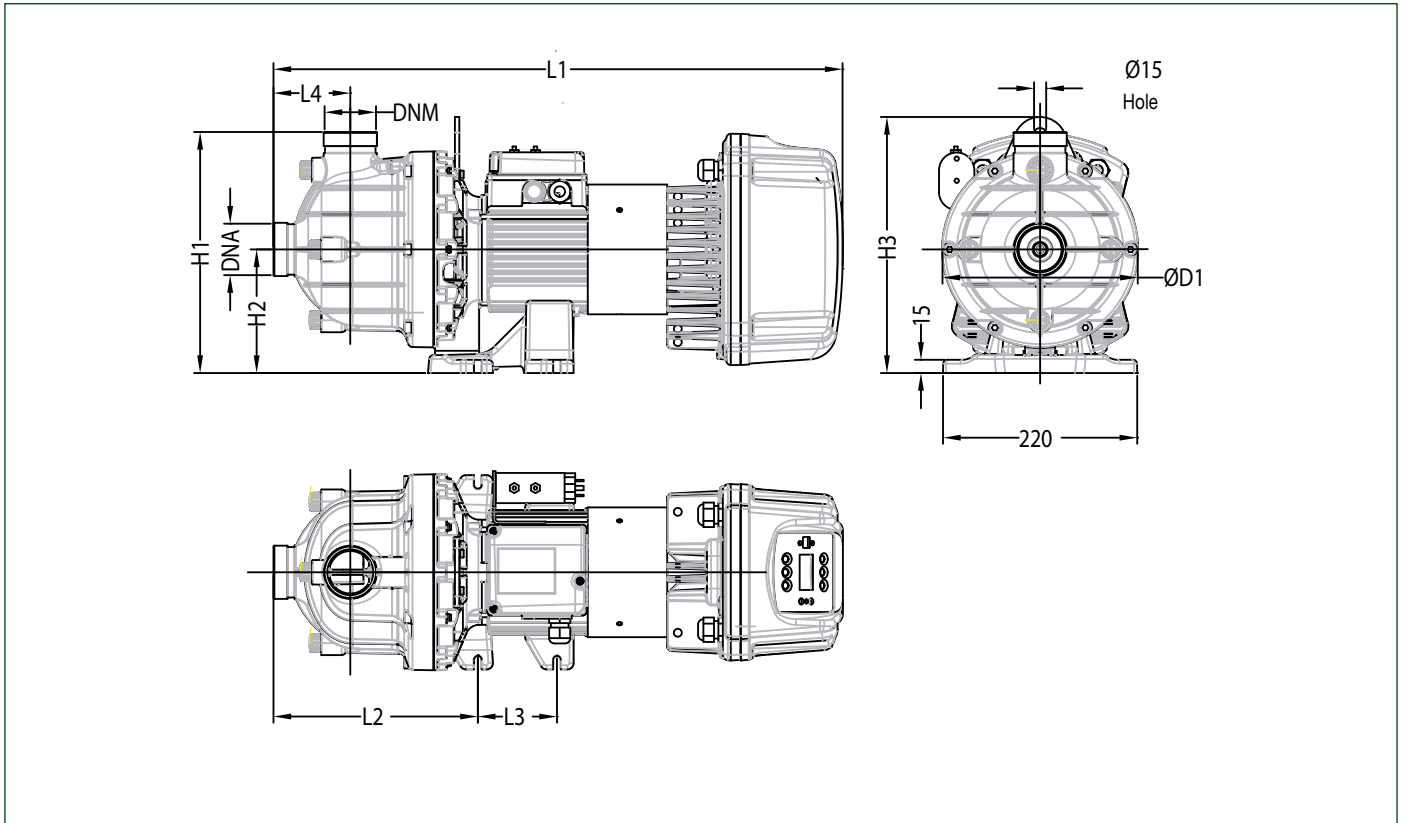
# KCE - KCVE

## ELECTRONIC CENTRIFUGAL PUMPS



The performance curves are based on the kinematic viscosity values = 1 mm<sup>2</sup>/s and density equal to 1000 kg/m<sup>3</sup>. Curve tolerance according to ISO 9906.

### DIMENSIONS AND WEIGHTS



MODEL	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	H1 [mm]	H2 [mm]	H3 [mm]	D1 [mm]	DNA	DNM	WEIGHT KG
<b>KCE 150 M MCE22/C</b>	639	231	90	87	273	140	290	222	2" m gas	2" m gas	19
<b>KCVE 150 M MCE22/C</b>	639	231	90	87	273	140	290	222	2" Victaulic	2" Victaulic	19
<b>KCE 200 M MCE22/C</b>	639	231	74	87	273	140	290	222	2" m gas	2" m gas	21
<b>KCVE 200 M MCE22/C</b>	639	231	74	87	273	140	290	222	2" Victaulic	2" Victaulic	21
<b>KCE 250 M MCE22/C</b>	713	231	74	87	273	140	290	222	2" m gas	2" m gas	23
<b>KCVE 250 M MCE22/C</b>	713	231	74	87	273	140	290	222	2" Victaulic	2" Victaulic	23
<b>KCE 300 M MCE22/C</b>	763	282	177	114	355	170	320	300	2" m gas	2" m gas	28
<b>KCVE 300 M MCE22/C</b>	763	282	177	114	355	170	320	300	2" Victaulic	2" Victaulic	28