

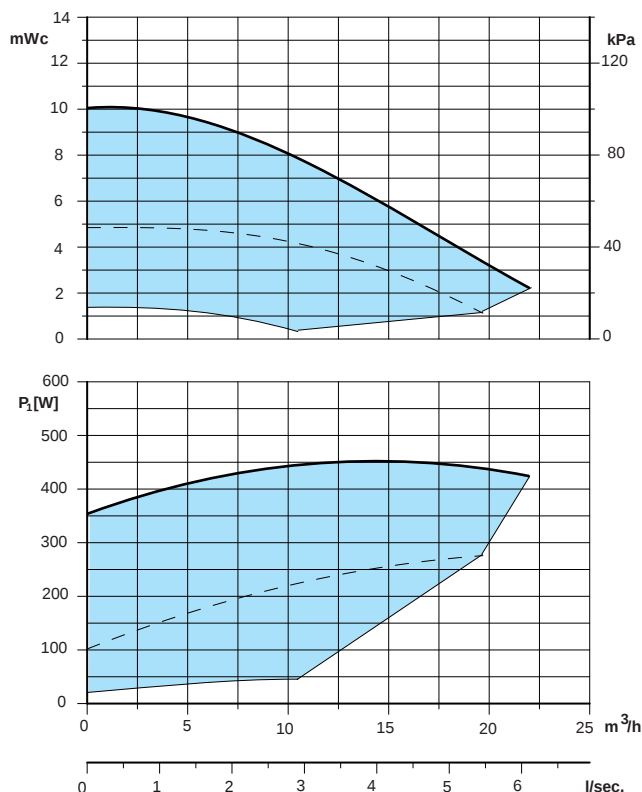
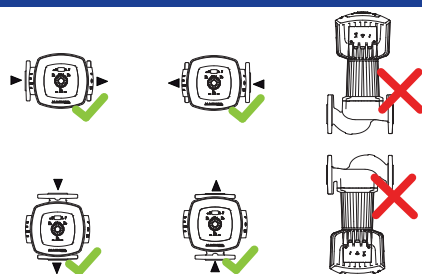
Ix230 V, 50Hz, IEC38	PI [W]	I [A]
Auto min.	25	0,30
Auto max.	450	3,0

Temperature Range (TF 110 - CEN 335-2-51)

Water temp max. [°C]	110	
Water temp min. [°C]	-10	
Ambient temp max. [°C]	40	

NPSH [bar]	80°C - 0,5	95°C - 1,5
Kg. (net)	21	

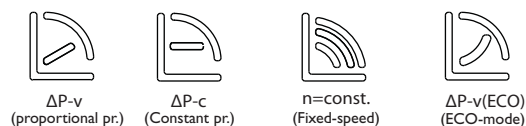
Installation



Electrical connection

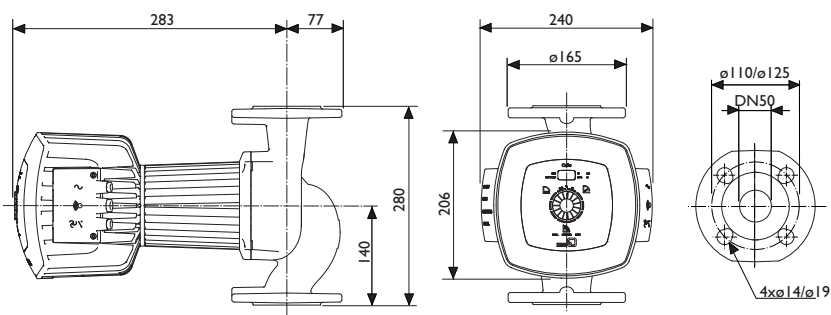
Function	Symbol	Terminal Pair	Terminal cross section	Terminal ID
Power supply 1~230 VAC, 50/60 Hz		1 2 3 Power	1.5 mm²	3 - PE 2 - N 1 - L
General fault message		1 2 3 Alarm	1.5 mm²	3 - NO 2 - COM 1 - NC
External analog signal 0 - 10 VDC	0-10V	1 2 0-10V	1.5 mm²	1 - 0 2 - Uin
External signal for start/stop of pump (terminal pair supplied bridged)	RUN	1 2 RUN	1.5 mm²	1 - 0 2 - R
Modbus	COM	1 2 3 COM	1.5 mm²	3 - G 2 - A 1 - B
Multi pump operation	DUAL	1 2 3 DUAL	1.5 mm²	3 - G 2 - A 1 - B
Service relay		1 2 3 Status	1.5 mm	3 - NO 2 - COM 1 - NC

Settings

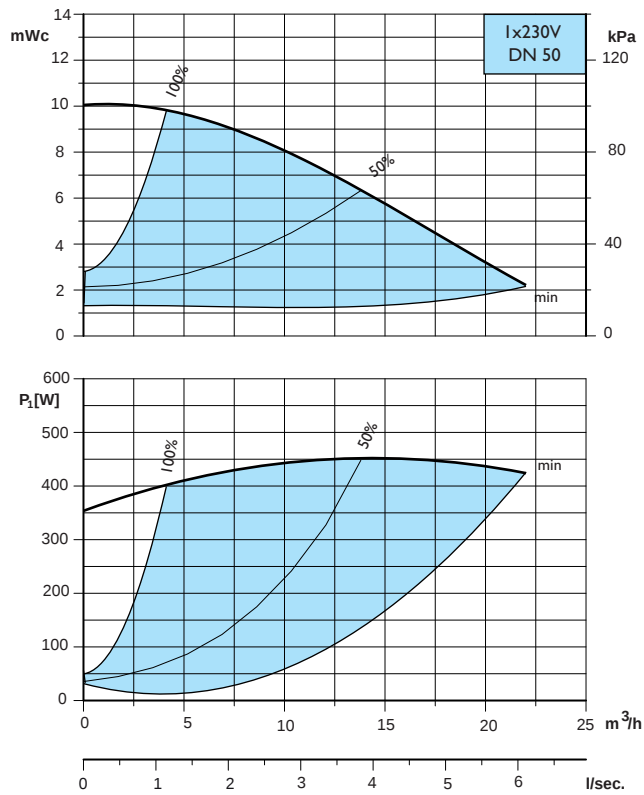


Multiple pump operation	DUAL	POWER	PE N L	Supply voltage 1~230 V
Modbus	MODBUS	ALARM	NO COM NC	General fault message
External start/stop	RUN	STATUS	NO COM NC	Service relay
External 0-10V	0-10			

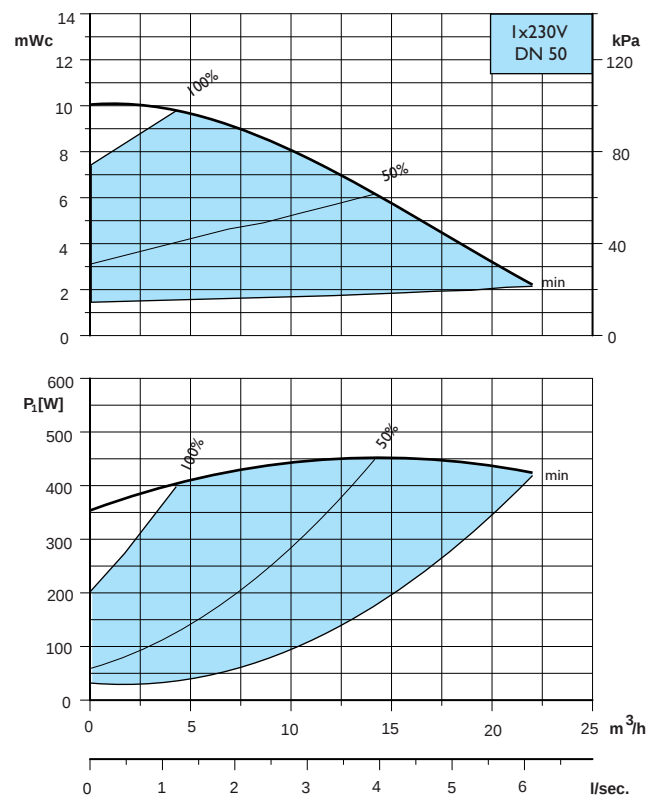
Dimensions



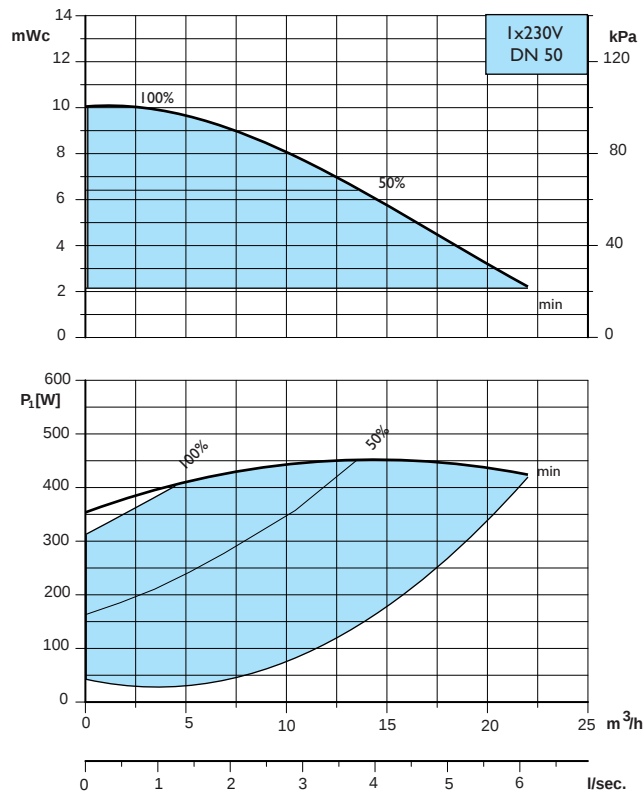
Calio 50-100, ECO



Calio 50-100, Δ pv



Calio 50-100, Δ pc



Calio 50-100, Boost

