



Aquadomus is an integrated 'Plug&Play' system to manage water pressurization for domestic and residential applications. The electronic control (E-IPFC) manages the operation of the system in order to maintain the pressure constant even if the conditions of use change. It can be driven and monitored by a dedicated app "UnyConnect". It consists of a multistage pump, a permanent magnet synchronous motor, an electronic inverter control, an expansion tank, a no return valve, a pressure sensor, a cable with plug.

Construction features

Pump body	stainless steel AISI 304
Motor bracket	aluminum
Impellers, diffusers	Noryl®
Mechanical seal	ceramic-graphite-EPDM
Motor shaft	stainless steel AISI 303
Liquid temperature	-5 ÷ +35 °C
Rated pressure	max 7 bar
4 poles synchronous motor with permanent magnet	4200 rpm
Input voltage	1- 230V - 50Hz 1- 220V - 60Hz 1- 115V - 50/60Hz
Insulation class	F
Protection degree	IPX4
Max rated current	3,7 A
Max absorbed power P1	820W
Cable	H07 RNF 1,5 m



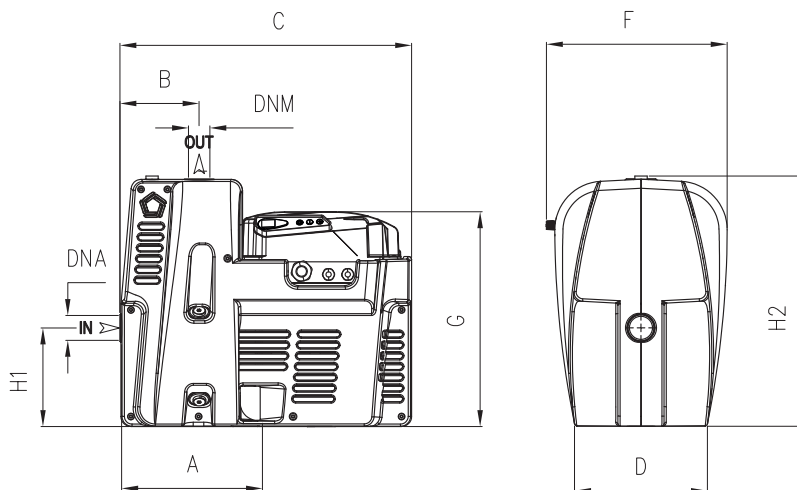
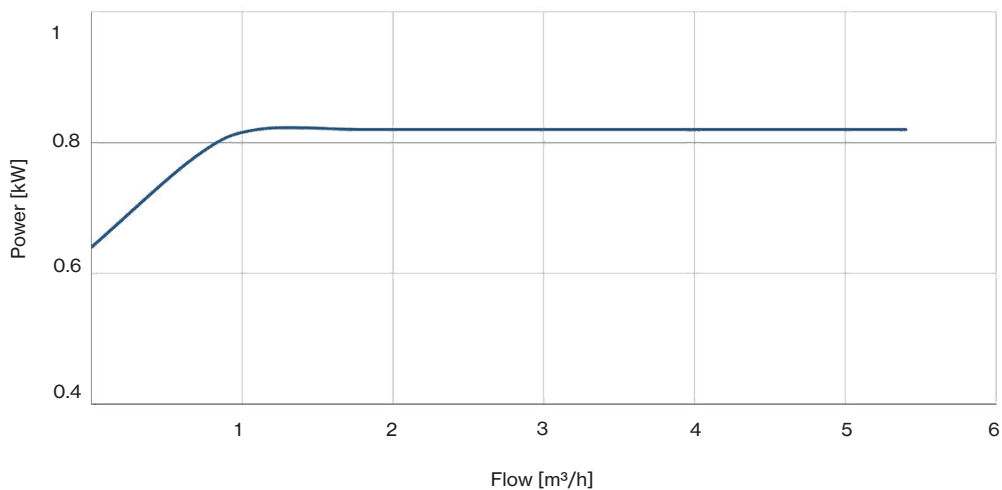
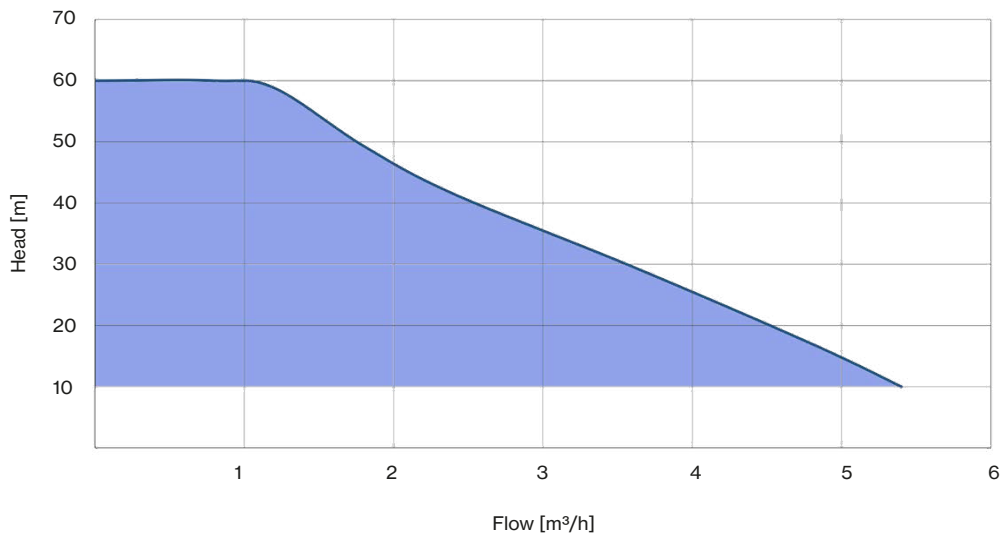
Constant pressure even if the conditions of use change



Dedicated UnyConnect App for programming and monitoring (compatible with ios and Android)



Bluetooth smart pump



TYPE - 50 Hz	DIMENSIONS (mm)										Kg
	A	B	C	D	F	G	H1	H2	DNA	DNM	
Aquadomus	166,8	103	377	173	235	280	128	325	1" G	1" G	11

TYPE	LOTS			
	TRUCK		CONTAINER	
	PALLET (cm)	N° pumps	PALLET (cm)	N° pumps
Aquadomus	80×120×150	36	80×120×185	45



SUPERDOMUS

Booster sets



Fixed speed booster sets with one pump and membrane tank

DESCRIPTION

Compact, built-in, fully automatic pressurization units consisting of a single pump, membrane tank, pressure switch, pressure gauge, connectors and cable with plug. They are ready for installation and suitable for pressure boosting in water systems for domestic use and industrial applications.

FUNCTIONING

The pump switches on automatically when the pressure drops below the minimum set value. When water demand ends, the pump will fill up the tank and then it turns off when the pressure reaches the maximum set value.

TYPE - 50 Hz		P2		P1		Pipe		Tank capacity						
1~	3~	HP	kW	1~	3~	Suction	Delivery	8 L		20-24 L		50 L		100 L
				kW				cylindrical	spherical	cylindrical	inox	cylindrical	cylindrical	
CP 45	-	0,5	0,37	0,5	-	1" G	1" G	■	■	-	-	-	-	
CP 75	-	1	0,74	1,1	-	1" G	1" G	■	■	-	-	-	-	
PM 45	-	0,5	0,37	0,5	-	1" G	1" G	■	■	-	-	-	-	
PM 80	-	1	0,74	1,1	-	1" G	1" G	■	■	■	-	-	-	
CAM 50N	-	0,6	0,44	0,7	-	1" G	1" G	■	-	■	-	-	-	
CAM 75N	-	0,8	0,59	0,82	-	1" G	1" G	■	-	■	-	■	-	
CAM 100N	-	1	0,74	1,04	-	1" G	1" G	-	■	■	-	■	-	
CAM 120	-	1,2	0,88	1,14	-	1" G	1" G	-	■	■	-	■	-	
CAM 140	-	1,5	1,1	1,3	-	1" G	1" G	-	■	■	-	■	-	
CAM 150	CAMT 150	2	1,5	1,9	1,8	1½" G	1¼" G	-	-	-	-	-	■	
CAM 200	CAMT 200	2,5	1,85	2,3	2,2	1½" G	1¼" G	-	-	-	-	-	■	
CAM 300	CAMT 300	3	2,2	2,7	2,6	1½" G	1¼" G	-	-	-	-	-	■	
INOX 100N	-	1	0,74	1,04	-	1" G	1" G	-	-	■	■	-	-	
INOX 120	-	1,2	0,88	1,14	-	1" G	1" G	-	-	■	■	■	-	
INOX 140	-	1,5	1,1	1,3	-	1" G	1" G	-	-	■	■	■	-	
CAB 150	CABT 150	2	1,5	1,8	1,7	1½" G	1" G	-	-	■	-	■	-	
CAB 200	CABT 200	2,5	1,85	2,2	2,1	1½" G	1" G	-	-	-	-	■	■	
CAB 300	CABT 300	3	2,2	2,8	2,6	1½" G	1" G	-	-	-	-	-	■	
AP 75	-	0,8	0,59	0,8	-	1¼" G	1" G	-	-	■	-	-	-	
AP 100	-	1	0,74	1,02	-	1¼" G	1" G	-	-	■	-	-	-	
AP 150	APT 150	2	1,5	1,8	1,7	1¼" G	1" G	-	-	■	-	■	-	
AP 200	APT 200	2,5	1,85	2,2	2,1	1¼" G	1" G	-	-	-	-	■	-	
MPX 100	-	1	0,74	1,07	-	1" G	1" G	-	-	■	■	-	-	
MPX 120	-	1,2	0,88	1,27	-	1" G	1" G	-	-	■	■	-	-	
U 3A-90/4	U 3A-90/4T	0,9	0,66	0,9	0,88	1" G	1" G	-	-	■	■	■	■	
U 3A-100/5	U 3A-100/5T	1	0,75	1,06	1,01	1" G	1" G	-	-	■	■	■	■	
U 5A-120/4	U 5A-120/4T	1,2	0,9	1,13	1,13	1" G	1" G	-	-	■	■	■	■	
U 5A-150/5	U 5A-150/5T	1,5	1,1	1,47	1,39	1" G	1" G	-	-	■	■	■	■	
U 3SA-90/4	U 3SA-90/4T	0,9	0,66	0,83	0,8	1" G	1" G	-	-	■	■	■	■	
U 3SA-100/5	U 3SA-100/5T	1	0,75	0,99	0,92	1" G	1" G	-	-	■	■	■	■	
U 5SA-120/4	U 5SA-120/4T	1,2	0,9	1,09	1,08	1" G	1" G	-	-	■	■	■	■	
U 5SA-150/5	U 5SA-150/5T	1,5	1,1	1,39	1,31	1" G	1" G	-	-	■	■	■	■	



SUPERDOMUS+VSD

Booster sets



Variable speed booster sets with one pump and membrane tank

DESCRIPTION

SUPERDOMUS+VSD are single-phase automatic booster sets consisting of a horizontal pump operated and controlled by EPIC variable speed drive. They provide constant pressure regardless of changes on flow demand, making them suitable for low or missing pressure in domestic systems and small industrial applications.

FEATURES

- Variable speed drive EPIC (1~ 230V-in, 3~ 230V-out)
- Three-phase horizontal pump
- Stainless steel 5-way connector with built-in non return valve
- Pressure sensor
- Pressure gauge
- 8 liters membrane tank
- Cable with plug

FUNCTIONING

If the pressure in the network drops the pump will start and gradually speeds up to provide with the set pressure. When the water demand decreases, the pressure will rise causing the pump speed to slow down and eventually to stop the pump if demand ceases. The pump will remain on standby waiting to start at the next water demand.

SELECTION

The table below shows the pump series available as SUPERDOMUS+VSD. Consult the catalog at the relative pump series for specifics and characteristic curves.

VSD	HORIZONTAL 3- PUMP TYPE	max P2	
		HP	kW
EPIC	CAM	2	1,5
	CAB	2	1,5
	INOX	1,5	1,1
	MPX	1,2	0,88
	CM	2	1,5
	CB	2	1,5
	MB	2	1,5
	U 3, U 3S	1,5	1,1
	U 5, U 5S	2	1,5
	U 7, U 7S	2,5	1,85
	U 9, U 9S	2	1,5
	U 18, U 18S	2	1,5





Fixed speed and variable speed booster sets with two self-priming pumps

DESCRIPTION

Pressurisation units with 2 self-priming horizontal axis pumps fitted on a single skid and connected in parallel by suction and delivery manifolds. These systems are specifically designed for domestic use as well as small civil or industrial applications. They can be equipped with EPIC inverters, which ensures that they can meet the constant pressure demands for modern systems. The key characteristics of these systems are their reliability, user-friendly operation, and low maintenance needs. To ensure proper operation of the booster set, pressure tanks of adequate capacity are required depending on constant or variable speed, pumps type, and applications.

FEATURES

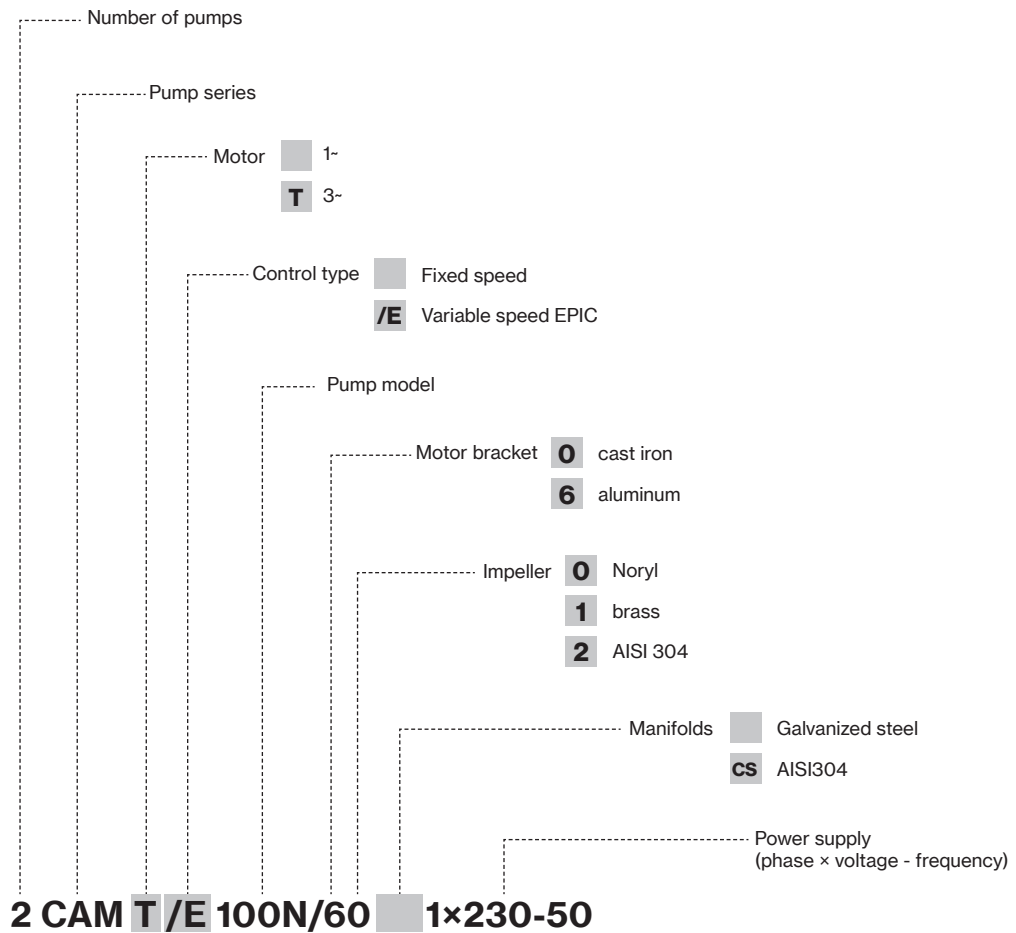
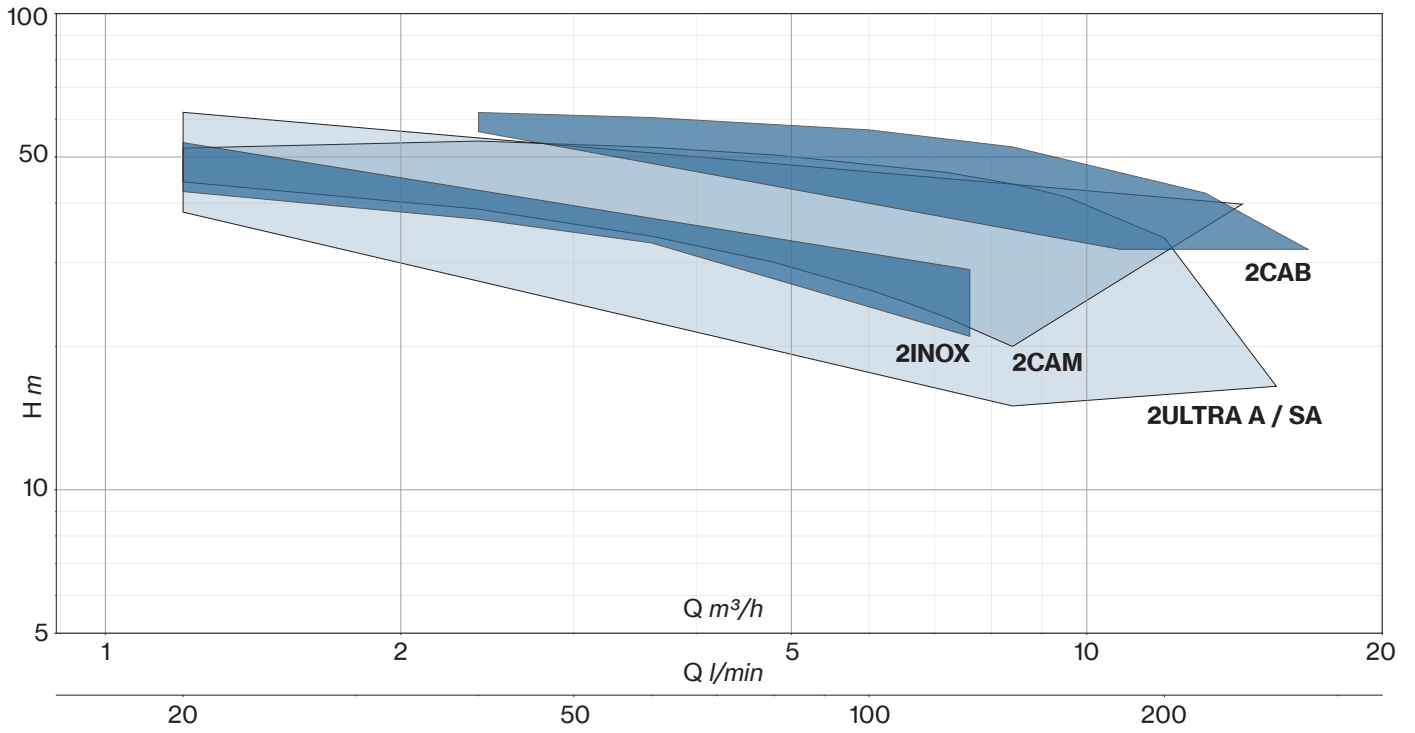
- Two self-priming horizontal axis pumps
- Cast iron pump body for CAM and CAB pumps series
- Stainless steel pump body for INOX, ULTRA A, ULTRA SA series
- Suction manifold in galvanized steel with non-return and isolation valves
- Delivery manifold in galvanized steel with pressure gauge and isolation valves
- Base frame in galvanized steel
- Electronic control panel EQ2SM(T) and two pressure switches for fixed speed version
- Inverter EPIC on each pump and two pressure sensors for the variable speed version
- Pressure tanks available on request, as accessory

FUNCTIONING

In the fixed speed version as soon as pressure drops below the minimum set value on the pressure switch the first pump starts automatically. If water demand further increases, the second pump will run until the pressure rises above the maximum set value. When demand ends, the last pump turns off. All the pumps follow cycling changeover for equal work distribution. In case of one pump failure, the other pumps would continue to operate.

In the variable speed version when the system pressure drops below the desired level, the sensors detect it giving an input to the inverter to start the first pump at controlled speed. If the flow rate is not sufficient, the pressure continues to drop causing the second pump to start. As soon as the flow demand decreases, the pressure rises again and the second pump stop. The first pump continues to modulate its speed in order to regulate and maintain the set pressure until it turns off when the flow demand ends. Based on working hours, the inverters will alternate the starting order of pumps to ensure better wear distribution. Continuity of operation is ensured in the event of one pump or one inverter failure.

SELF-PRIMING BOOSTER SETS



SELF-PRIMING BOOSTER SETS

TARGET 2U		TYPE - 50 Hz			P2 (x2)		Q (m³/h - l/min)												
		FIXED SPEED		VARIABLE SPEED			0	1,2	2,4	3,6	4,8	7,2	8,4	9,6	12,0	14	15,6		
		1- 230V	3- 400V	1- 230V-in 3- 230V-out			0	20	40	60	80	120	140	153,4	160	200	233	260	
l/min	bar				HP	kW	H (m)												
80	3	2U3A-90/4	2U3A-90/4T	2U3A/E-90/4T	0,9	0,66	40,8	38,3	35,1	31,8	29,9	19,8	15,0						
		2U3SA-90/4	2U3SA-90/4T	2U3SA/E-90/4T			43,0	41,0	38,3	35,0	31,3	22,3	17,2	13,5					
100		2U3A-100/5	2U3A-100/5T	2U3A/E-100/5T	1	0,75	52,2	48,9	45,1	40,8	36,0	25,4	19,8	15,0					
		2U3SA-100/5	2U3SA-100/5T	2U3SA/E-100/5T			54,0	52,1	48,8	44,9	40,2	29,0	22,0	16,8					
160		2U5A-120/4	2U5A-120/4T	2U5A/E-120/4T	1,2	0,9	45,3	44,2	42,8	41,3	39,6	35,6	33,4	31,7	30,8	24,0	15,0		
		2U5SA-120/4	2U5SA-120/4T	2U5SA/E-120/4T			44,5	43,3	42,1	41,0	40,0	36,4	34,3	32,8	32,0	26,2	18,5	13,5	
200	2U5A-150/5	2U5A-150/5T	2U5A/E-150/5T	1,5	1,1	56,8	55,9	54,6	53,0	51,0	46,1	43,2	41,2	40,1	33,0	24,0	15,0		
	2U5SA-150/5	2U5SA-150/5T	2U5SA/E-150/5T			56,0	52,2	54,0	52,4	50,5	46,4	43,9	42,0	41,0	33,8	23,8	16,5		

TARGET 2CAM		TYPE - 50 Hz			P2 (x2)		Q (m³/h - l/min)												
		FIXED SPEED		VARIABLE SPEED			0	1,2	2,4	3,6	4,8	6	6,6	7,2	8,4	9,6	12	14,4	
		1- 230V	3- 400V	1- 230V-in 3- 230V-out			0	20	40	60	80	100	110	120	140	160	200	240	
l/min	bar				HP	kW	H (m)												
80	3	2CAM100N	2CAMT100N	2CAMT/E100N	1	0,74	50,9	44,3	38,9	34,1	30,1	26,3	24,6	23,0	20,0				
100	3	2CAM120	2CAMT120	2CAMT/E120	1,2	0,88	55,1	48,5	42,6	37,8	33,5	29,7	27,9	26,2	23,0				
120	3	2CAM140	2CAMT140	2CAMT/E140	1,5	1,1	62,5	55,7	49,4	44,2	39,5	35,5	33,5	31,6	28,1				
140	3,5	2CAM150	2CAMT150	2CAMT/E150	2	1,5	54,8	51,8	48,9	46,2	43,6	41,1	40,0	38,8	36,6	34,5	30,6	26,8	
160	4	2CAM200	2CAMT200	-	2,5	1,85	62,7	59,7	56,8	54,0	51,5	49,1	47,9	46,8	44,6	42,4	38,4	34,8	
180	4,5	2CAM300	2CAMT300	-	3	2,2	70,0	66,9	63,9	61,0	58,3	55,8	54,6	53,5	51,3	49,2	45,1	41,6	

TARGET 2INOX		TYPE - 50 Hz			P2 (x2)		Q (m³/h - l/min)											
		FIXED SPEED		VARIABLE SPEED			0	1,2	2,4	3,6	4,8	6	7,2	7,6				
		1- 230V	3- 400V	1- 230V-in 3- 230V-out			0	20	40	60	80	100	120	126,6				
l/min	bar				HP	kW	H (m)											
80	3	2INOX100N	2INOXT100N	2INOXT/E100N	1	0,74	48,0	42,3	37,0	33,0	29,6	26,2	22,7	21,0				
100		2INOX120	2INOXT120	2INOXT/E120	1,2	0,88	53,4	47,4	41,9	37,5	33,7	29,9	26,0	24,3				
120		2INOX140	2INOXT140	2INOXT/E140	1,5	1,1	60,2	53,6	47,8	42,4	38,0	34,4	30,5	29,0				

TARGET 2CAB		TYPE - 50 Hz			P2 (x2)		Q (m³/h - l/min)										
		FIXED SPEED		VARIABLE SPEED			0	2,4	3,6	6,0	8,4	10,8	13,2	15,6			
		1- 230V	3- 400V	1- 230V-in 3- 230V-out			0	40	60	100	140	180	220	260,0			
l/min	bar				HP	kW	H (m)										
140	4	2CAB150	2CABT150	2CABT/E150	1,5	1,1	61,5	57,2	54,7	48,5	40,9	30,8					
180		2CAB200	2CABT200	2CABT/E200	2	1,5	62,8	60,0	58,5	54,7	50,1	44,5	38,7				
220		2CAB300	2CABT300	-	3	2,2	68,4	65,6	64,0	60,7	56,5	51,7	46,4	40,2			





Fixed speed and variable speed booster sets with two threaded centrifugal pumps

DESCRIPTION

Pressurisation units with 2 horizontal centrifugal pumps fitted on a single skid and connected in parallel by suction and delivery manifolds. These systems are extremely silent and designed for water supply, pressurization, heating and air conditioning and liquid transfer. They can be equipped with EPIC and EPIC-A inverters, which ensures that they can meet the constant pressure demands for modern systems. The key characteristics of these systems are their reliability, user-friendly operation, and low maintenance needs. To ensure proper operation of the booster set, pressure tanks of adequate capacity are required depending on constant or variable speed, pumps type, and applications.

FEATURES

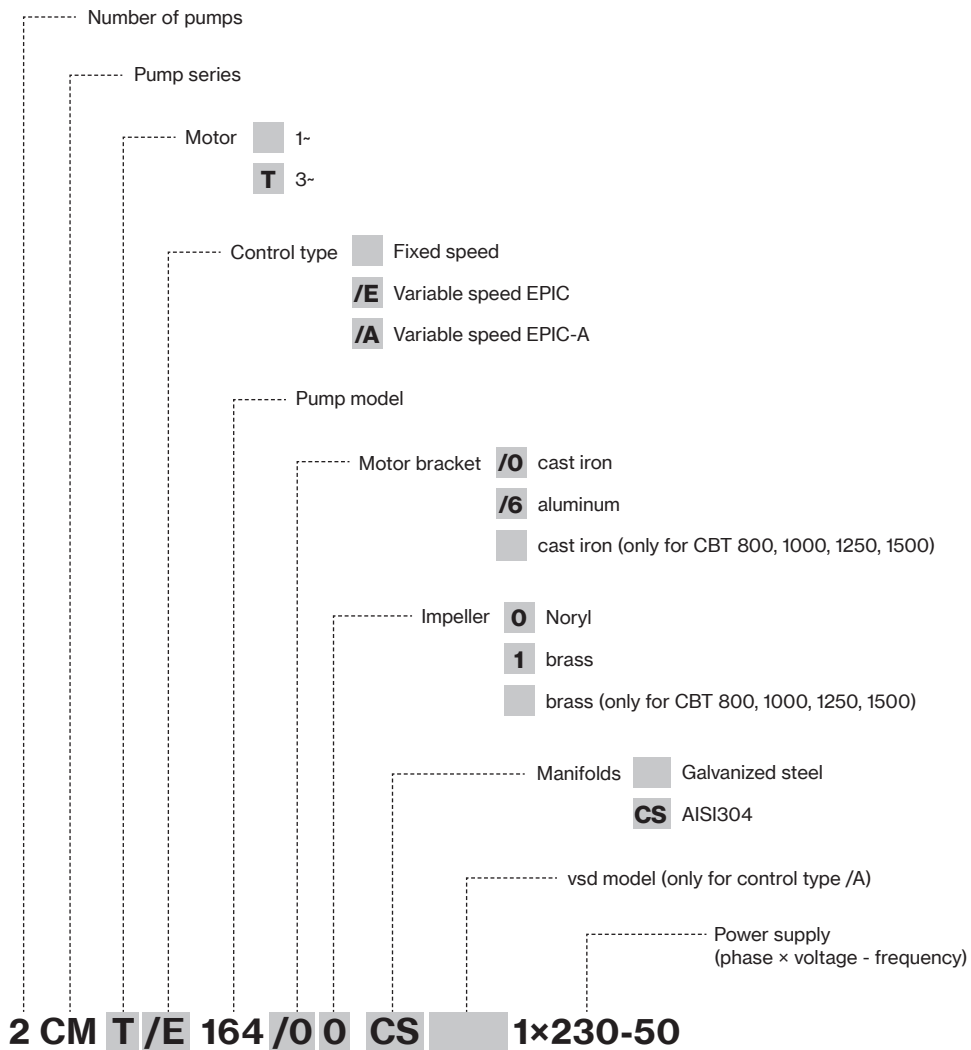
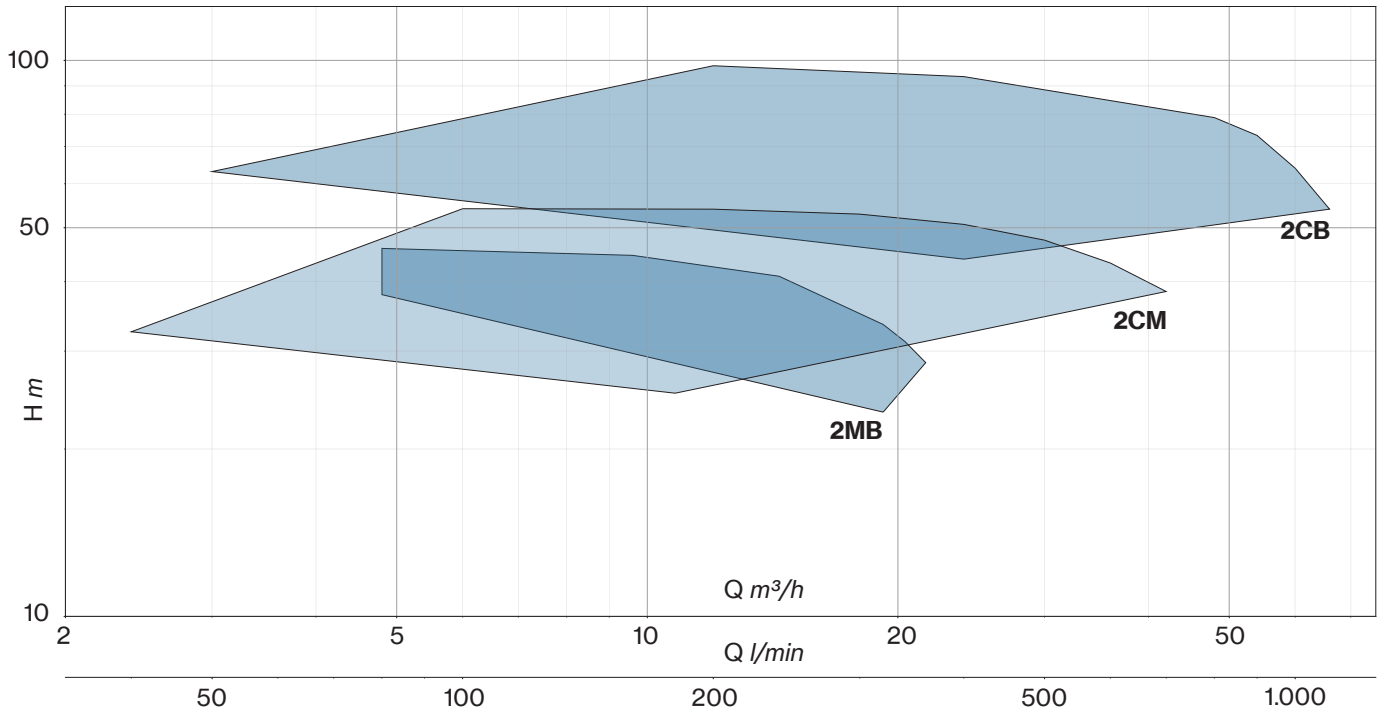
- Two horizontal axis pumps with single or double impeller
- Cast iron pump body
- Suction manifold in galvanized steel with non-return and isolation valves
- Delivery manifold in galvanized steel with pressure gauge and isolation valves
- Base frame in galvanized steel
- Electronic control panel EQ2SM(T) and two pressure switches for fixed speed version
- Inverter EPIC or EPIC-A on each pump and two pressure sensors for the variable speed version
- Pressure tanks available on request, as accessory

FUNCTIONING

In the fixed speed version as soon as pressure drops below the minimum set value on the pressure switch the first pump starts automatically. If water demand further increases, the second pump will run until the pressure rises above the maximum set value. When demand ends, the last pump turns off. All the pumps follow cycling changeover for equal work distribution. In case of one pump failure, the other pumps would continue to operate.

In the variable speed version when the system pressure drops below the desired level, the sensors detect it giving an input to the inverter to start the first pump at controlled speed. If the flow rate is not sufficient, the pressure continues to drop causing the second pump to start. As soon as the flow demand decreases, the pressure rises again and the second pump stop. The first pump continues to modulate its speed in order to regulate and maintain the set pressure until it turns off when the flow demand ends. Based on working hours, the inverters will alternate the starting order of pumps to ensure better wear distribution. Continuity of operation is ensured in the event of one pump or one inverter failure.

THREADED CENTRIFUGAL BOOSTER SETS



THREADED CENTRIFUGAL BOOSTER SETS

TARGET 2CM		TYPE - 50 Hz				P2 (x2)		Q (m³/h - l/min)											
		FIXED SPEED		VARIABLE SPEED				0	2,4	4,8	7,2	9,6	10,8	13,2	14,4	15,6			
		1- 230V	3- 400V	EPIC	EPIC-A														
l/min	bar			1- 230V-in 3- 230V-out	3- 400V-in 3- 400V-out	HP	kW	H (m)											
100	3	-	-	2CMT/E100	2CMT/A100-304	1	0,74	33,0	32,5	31,5	29,6	26,8	25,2						
150	3,5	2CMT164	2CMT164	2CMT/E164	2CMT/A164-304	2	1,5	39,4	39,1	38,6	37,2	35,2	33,8	27,2					
200	4	2CMT214	2CMT214	-	2CMT/A214-306	2,5	1,85	46,3	45,9	45,5	44,1	42,1	41,1	38,2	35,5				
	4,5	2CMT314	2CMT314	-	2CMT/A314-306	3	2,2	53,2	52,7	52,1	50,8	48,8	47,6	45,0	42,9	39,2			

TARGET 2CM		TYPE - 50 Hz				P2 (x2)		Q (m³/h - l/min)											
		FIXED SPEED		VARIABLE SPEED				0	6	12	18	24	30	36	42				
		1- 230V	3- 400V	EPIC	EPIC-A														
l/min	bar			1- 230V-in 3- 230V-out	3- 400V-in 3- 400V-out	HP	kW	H (m)											
400	4	-	2CMT400	-	2CMT/A400-309	4	3	45,1	45,2	44,9	43,4	40,9	37,4	32,5					
500	4,5	-	2CMT550	-	-	5,5	4	54,1	54,1	54,0	52,9	50,7	47,5	43,2	38,4				

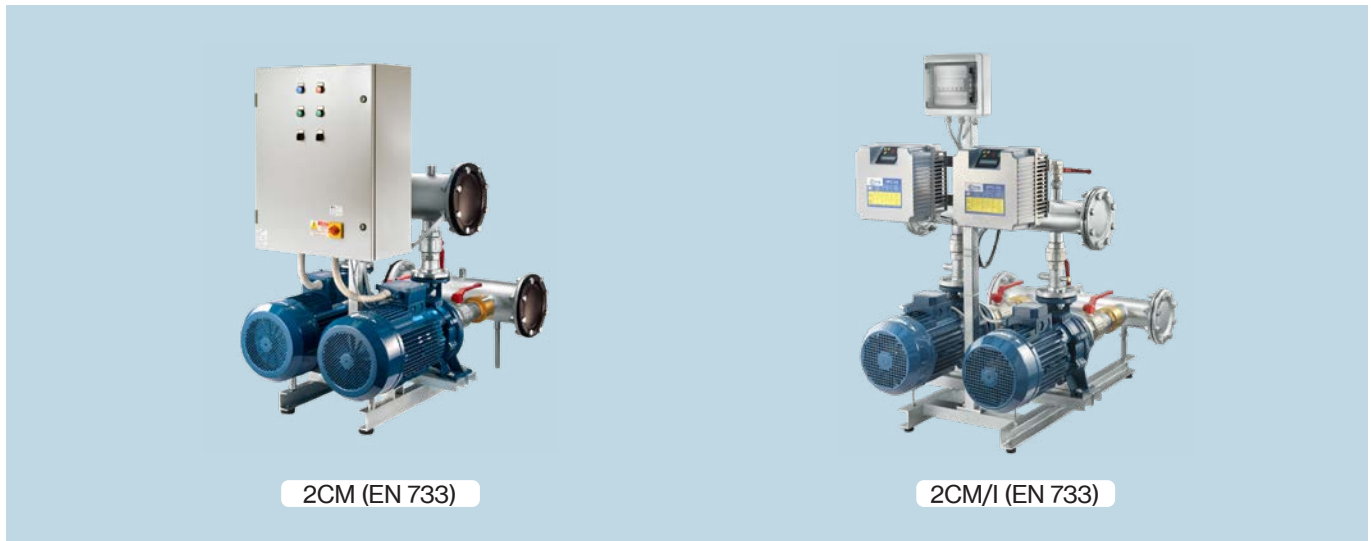
TARGET 2MB		TYPE - 50 Hz				P2 (x2)		Q (m³/h - l/min)										
		FIXED SPEED		VARIABLE SPEED				0	4,8	9,6	14,4	19,2	21,6	24,0				
		1- 230V	3- 400V	EPIC	EPIC-A													
l/min	bar			1- 230V-in 3- 230V-out	3- 400V-in 3- 400V-out	HP	kW	H (m)										
160	3,5	2MB150	2MBT150	2MBT/E150	2MBT/A150-304	2	1,5	39,2	40,2	39,5	35,7	28,7	23,9	18,0				
240		2MB200	2MBT200	-	2MBT/A200-304	2,5	1,85	44,9	45,6	44,8	41,7	35,2	30,8	25,8				
300		2MB300	2MBT300	-	2MBT/A300-306	3	2,2	49,5	49,4	48,3	45,8	39,8	35,8	31,1				

TARGET 2CB		TYPE - 50 Hz				P2 (x2)		Q (m³/h - l/min)											
		FIXED SPEED		VARIABLE SPEED				0	1,2	2,4	3,6	4,8	7,2	9,6	12,0	14,4	16,8	18	
		1- 230V	3- 400V	EPIC	EPIC-A														
l/min	bar			1- 230V-in 3- 230V-out	3- 400V-in 3- 400V-out	HP	kW	H (m)											
60	3,5	2CB100	2CBT100	2CBT/E100	2CBT/A100-304	1	0,74	42,0	40,8	39,4	37,4	34,7	29,2	21,0					
180	4	2CB160	2CBT160	2CBT/E160	2CBT/A160-306	2	1,5	48,3	47,7	47,1	46,5	45,7	43,5	40,1	36,2	31,1			
220	4	2CB210	2CBT210	-	2CBT/A210-306	2,5	1,85	54,9	54,4	53,8	53,0	52,3	50,5	47,1	43,1	38,3	32,4		
220	4,5	2CB310	2CBT310	-	2CBT/A310-306	3	2,2	61,4	60,9	60,3	59,8	59,2	57,1	53,6	49,3	44,2	38,3	35,2	

TARGET 2CB		TYPE - 50 Hz				P2 (x2)		Q (m³/h - l/min)											
		FIXED SPEED	VARIABLE SPEED	0	3			6	9	12	15	18	21	24	27	30	33		
		3- 400V	EPIC-A																
l/min	bar		3- 400V-in 3- 400V-out	HP	kW	H (m)													
250	5,5	2CBT400	2CBT/A400-309	4	3	63,6	63,1	62,0	60,3	58,2	55,5	52,3	48,4	43,9					
300	6,5	2CBT600	-	5,5	4	76,9	76,4	75,4	73,8	71,7	69,0	65,9	62,1	58,0	53,4				
350	7,5	2CBT751	-	7,5	5,5	90,7	90,0	88,9	87,3	85,3	82,9	80,1	76,8	73,1	68,8	63,7			
350	8	2CBT900	-	10	7,5	97,5	96,6	95,4	93,7	91,7	89,2	86,5	83,3	79,8	75,2	71,2	66,4		

TARGET 2CB		TYPE - 50 Hz				P2 (x2)		Q (m³/h - l/min)										
		FIXED SPEED	VARIABLE SPEED	0	12			24	36	48	54	60	66					
		3- 400V	EPIC-A															
l/min	bar		HP	kW	H (m)													
600	5	2CBT800	7,5	5,5	70,0	68,5	63,9	57,1	45,3	38,2								
800	5,5	2CBT1000	10	7,5	80,7	80,4	75,0	68,5	59,7	52,6	43,7							
900	6	2CBT1250	12,5	9,2	89,5	88,8	84,1	77,7	69,7	63,0	54,2	45,1						
900	7	2CBT1500	15	11	98,3	97,8	93,5	85,7	78,9	73,3	64,0	54,0						





2CM (EN 733)

2CM/I (EN 733)

Fixed speed and variable speed booster sets with two monobloc centrifugal flanged pumps

DESCRIPTION

Booster units with 2 monobloc horizontal centrifugal pumps of CM (EN 733) series, set on a single skid and connected in parallel by suction and delivery manifolds. These systems are widely used in water supplies, pressurization and fire-fighting systems, cooling, heating, irrigation, industrial and agricultural applications. To ensure a constant pressure to the system these booster sets can be equipped with EPIC-A or IPFC inverters.

To ensure proper operation of the booster set, pressure tanks of adequate capacity are required depending on constant or variable speed, pumps type, and applications.

FEATURES

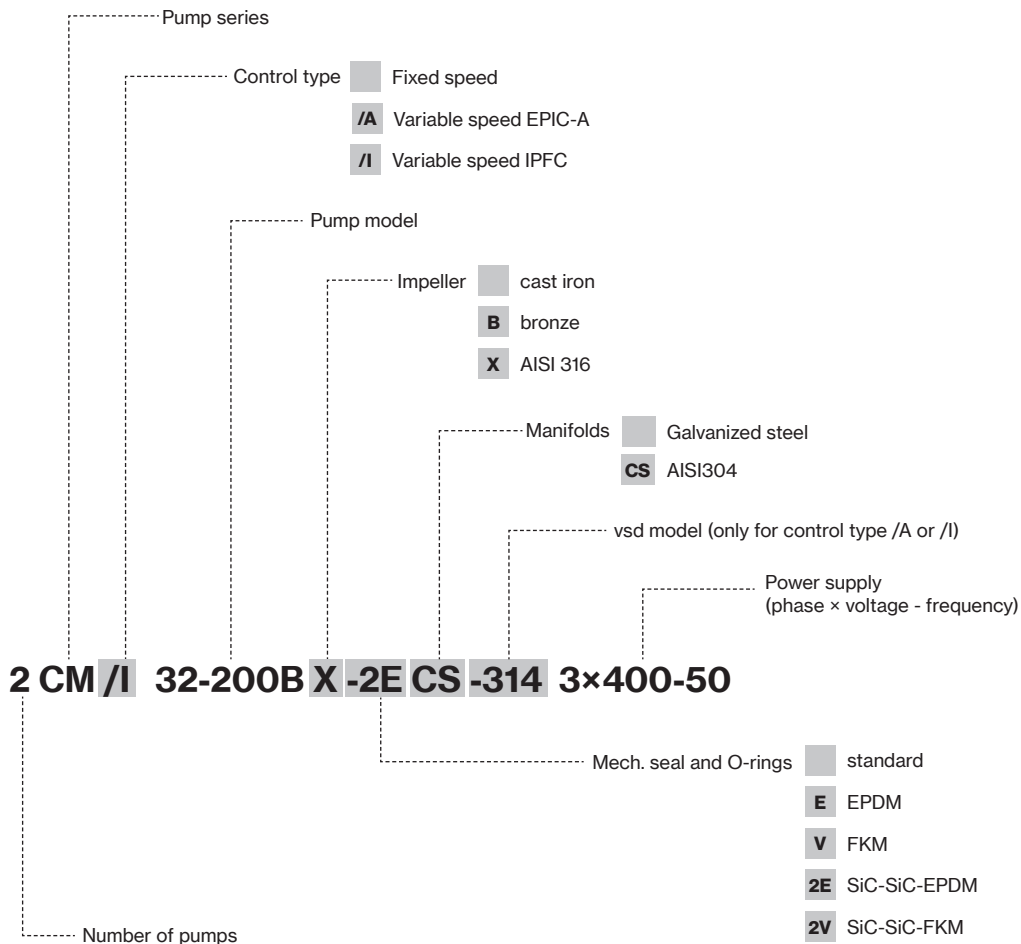
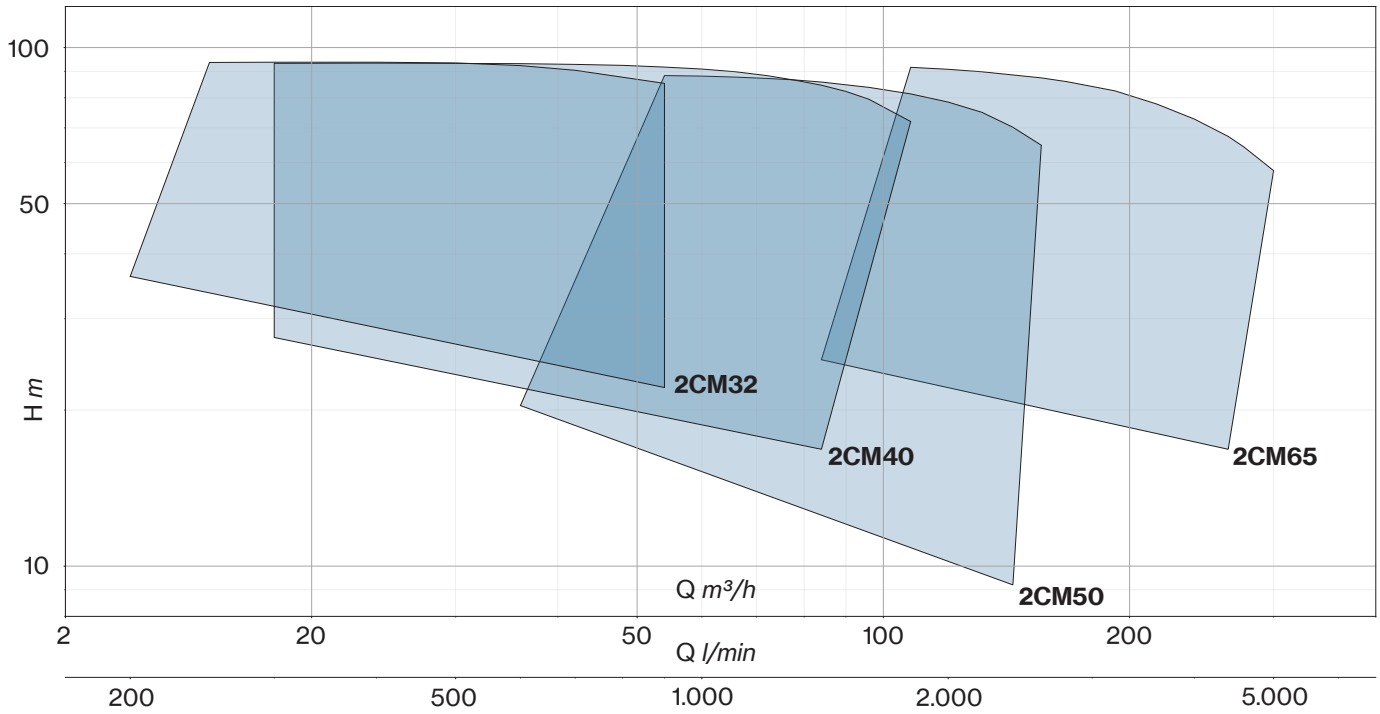
- Two monobloc horizontal centrifugal flanged pumps of CM (EN 733) series
- Cast iron pump body
- Suction manifold in galvanized steel with non-return and isolation valves
- Delivery manifold in galvanized steel with pressure gauge and isolation valves
- Base frame in galvanized steel
- EQ2SM(T) electronic or Q2ST electromechanical control panel with pressure switches for fixed speed version
- Inverter EPIC-A or IPFC, connected on each pump with pressure sensors, for variable speed version
- Pressure tanks, available on request, as accessory

FUNCTIONING

In the fixed speed version as soon as pressure drops below the minimum set value on the pressure switch the first pump starts automatically. If water demand further increases, the second pump will run until the pressure rises above the maximum set value. When demand ends, the last pump turns off. All the pumps follow cycling changeover for equal work distribution. In case of one pump failure, the other pumps would continue to operate.

In the variable speed version when the system pressure drops below the desired level, the sensors detect it giving an input to the inverter to start the first pump at controlled speed. If the flow rate is not sufficient, the pressure continues to drop causing the second pump to start. As soon as the flow demand decreases, the pressure rises again and the second pump stop. The first pump continues to modulate its speed in order to regulate and maintain the set pressure until it turns off when the flow demand ends. Based on working hours, the inverters will alternate the starting order of pumps to ensure better wear distribution. Continuity of operation is ensured in the event of one pump or one inverter failure.

CENTRIFUGAL FLANGED BOOSTER SETS



CENTRIFUGAL FLANGED BOOSTER SETS

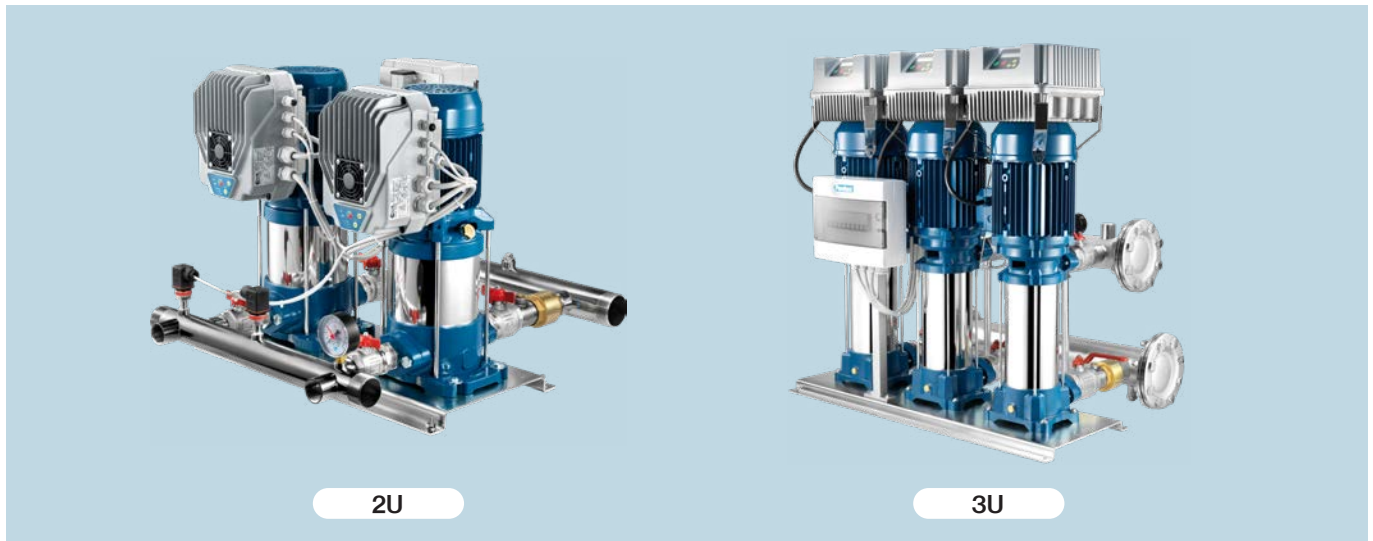
TARGET 2CM		TYPE - 50 Hz				P2 (x2)		Q (m³/h - l/min)												
		FIXED SPEED	VARIABLE SPEED		0			12	15	18	24	30	36	42	48	54	60	66		
		3-400V	EPIC-A	IPFC															0	200
m³/h	bar		3-400V		3-400V-in 3-400V-out		HP	kW	H (m)											
36	3	2CM32-160A	2CM/A32-160A-309	2CM/I 32-160A-309		4	3	36,1	36,2	36,0	35,6	34,6	33,2	31,4	28,9	25,7	22,1			
	3,5	2CM32-200C	-	2CM/I 32-200C-311		5,5	4	40,2	40,3	40,1	39,8	38,9	37,7	36,1	34,2	31,6	28,7			
42	4	2CM32-200B	-	2CM/I 32-200B-314		7,5	5,5	48,3	48,0	47,9	47,6	46,7	45,5	44,2	42,6	40,5	37,9	35,4		
	5	2CM32-200A	-	2CM/I 32-200A-318		10	7,5	57,9	58,3	58,4	58,4	58,0	57,1	55,6	53,8	51,4	49,2	46,6	44,3	
	6,5	2CM32-250C	-	2CM/I 32-250C-318		12,5	9,2	74,6		72,8	72,5	71,9	70,5	68,8	66,6	64,1	61,3			
	7,5	2CM32-250B	-	2CM/I 32-250B-325		15	11	84,8		84,0	83,9	83,6	82,7	81,1	78,6	75,4	73,2			
	8,5	2CM32-250A	-	2CM/I 32-250A-330		20	15	93,5		93,6	93,7	93,7	93,4	92,3	90,4	87,7	85,3			

TARGET 2CM		TYPE - 50 Hz				P2 (x2)		Q (m³/h - l/min)													
		FIXED SPEED	VARIABLE SPEED		0			18	36	42	48	54	60	66	72	78	84	90	96	108	
		3-400V	EPIC-A	IPFC																	0
m³/h	bar		3-400V		3-400V-in 3-400V-out		HP	kW	H (m)												
54	2	2CM40-125A	2CM/A40-125A-309	2CM/I 40-125A-309		4	3	26,8	27,6	27,2	26,5	25,7	24,6	23,4	22,0	20,3	18,5	16,8			
	3	2CM40-160A	-	2CM/I 40-160A-311		5,5	4	38,8	34,9	33,9	33,2	32,4	31,3	30,0	28,5	26,9	25,2	23,4			
	4	2CM40-200B	-	2CM/I 40-200B-314		7,5	5,5	44,6	45,5	44,5	43,5	42,3	41,0	39,3	37,2	34,9	32,3	29,4			
	5	2CM40-200A	-	2CM/I 40-200A-318		10	7,5	56,2	56,5	55,9	55,1	54,1	52,8	51,2	49,3	47,0	44,4	41,6			
66	5	2CM40-200AP	-	2CM/I 40-200AP-318		12,5	9,2	61,7	61,4	60,0	59,1	57,9	56,4	54,7	53,1	51,1	48,5	45,5	42,2		
	6,5	2CM40-250B	-	2CM/I 40-250B-325		15	11	73,7	73,9	71,9	71,1	70,2	69,2	68,1	66,7	64,7	62,1				
72	7,5	2CM40-250A	-	2CM/I 40-250A-330		20	15	82,6	84,6	84,3	83,4	82,4	81,3	80,0	78,5	76,9	75,4	72,8	69,0		
84	8,5	2CM40-250BM	-	2CM/I 40-250BM-338		25	18,5	92,6	93,2	93,1	92,8	92,4	91,7	90,9	89,8	88,3	86,5	84,6	82,3	79,5	72,0

TARGET 2CM		TYPE - 50 Hz				P2 (x2)		Q (m³/h - l/min)													
		FIXED SPEED	VARIABLE SPEED		0			36	42	48	54	60	72	84	96	108	120	132	144	156	
		3-400V	EPIC-A	IPFC																	0
m³/h	bar		3-400V		3-400V-in 3-400V-out		HP	kW	H (m)												
96	1,5	2CM50-125B	2CM/A50-125B-309	2CM/I 50-125B-309		4	3	20,0	20,4	20,3	20,1	19,9	19,6	18,7	17,6	16,4	15,0	13,2	11,3	9,2	
	2	2CM50-125A	-	2CM/I 50-125A-311		5,5	4	23,7	24,2	24,1	23,9	23,7	23,3	22,6	21,7	20,7	19,6	18,2	16,4	14,2	
108	2,5	2CM50-160B	-	2CM/I 50-160B-314		7,5	5,5	32,1		33,5	33,4	33,1	32,7	31,6	30,2	28,3	26,2	23,9	21,5	18,9	
120	3	2CM50-160A	-	2CM/I 50-160A-318		10	7,5	38,1		39,8	39,8	39,8	39,6	38,8	37,7	36,1	34,1	32,1	29,9	27,6	25,4
	3,5	2CM50-200C	-	2CM/I 50-200C-325		12,5	9,2	48,2		49,7	49,2	48,5	46,9	44,9	42,6	40,0	36,0	32,3	28,9		
	4	2CM50-200B	-	2CM/I 50-200B-325		15	11	53,1		54,6	54,1	53,5	52,2	50,4	48,1	45,5	42,7	38,8	35,0		
	5	2CM50-200A	-	2CM/I 50-200A-330		20	15	59,9		61,8	61,5	61,0	59,7	58,0	56,0	53,6	50,8	47,8	44,4	39,8	
	6,5	2CM50-250B	-	2CM/I 50-250B-338		25	18,5	78,8		78,4	78,0	77,0	75,1	72,9	70,3	66,9	62,9	58,5			
	7,5	2CM50-250A	-	2CM/I 50-250A-348		30	22	88,5				88,3	88,1	87,2	85,8	83,8	81,4	78,5	75,0	70,2	64,8

TARGET 2CM		TYPE - 50 Hz				P2 (x2)		Q (m³/h - l/min)												
		FIXED SPEED	VARIABLE SPEED		0			84	90	108	132	156	168	192	216	240	264	276	288	300
		3-400V	IPFC																	
m³/h	bar		3-400V		3-400V-in 3-400V-out		HP	kW	H (m)											
192	2	2CM65-125A	2CM/I 65-125A-318		10	7,5	24,6	25,0	24,9	24,7	24,2	23,5	23,0	22,0	20,6	18,8	16,8			
	2,5	2CM65-160C	2CM/I 65-160C-318		12,5	9,2	28,9	30,6	30,5	30,0	29,1	27,9	27,2	25,3	22,9	20,2	17,5	16,0	13,9	
	3	2CM65-160B	2CM/I 65-160B-325		15	11	33,2	35,1	35,0	34,6	33,8	32,8	32,1	30,4	28,2	25,5	22,5	21,4	20,4	
	3,5	2CM65-160A	2CM/I 65-160A-338		20	15	40,1	42,5	42,5	42,3	41,8	41,0	40,4	38,9	37,1	35,3	32,8	31,7	30,9	
240	3	2CM65-200C	2CM/I 65-200C-338		20	15	44,4			46,1	44,7	43,2	42,4	40,3	37,5	33,7	28,9	26,8		
	4	2CM65-200B	2CM/I 65-200B-338		25	18,5	51,7			53,9	52,7	51,3	50,4	48,6	45,9	43,0	39,4	37,1	34,6	
	5	2CM65-200A	2CM/I 65-200A-348		30	22	60,3			61,8	61,0	59,8	59,1	57,1	54,6	51,6	48,3	46,5	44,4	
	6	2CM65-250B	2CM/I 65-250B-365		40	30	80,6			80,6	78,4	75,7	74,1	70,4	66,1	61,0	54,7	51,0	47,3	
	7	2CM65-250A	2CM/I 65-250A-375		50	37	91,6			91,6	89,8	87,4	85,9	82,5	77,8	72,8	67,4	64,3	60,8	57,9





Fixed speed and variable speed booster sets with two or three multistage pumps

DESCRIPTION

Fully automatic booster units with two (2U) or three (3U) multistage pumps of ULTRA series, set on a single skid and connected in parallel by suction and delivery manifolds. To ensure a constant pressure and deliver the highest comfort level they can be equipped with EPIC, EPIC-A or IPFC inverters.

These pressure boosting systems are suitable for water network supply in housing complexes, offices, hotels, shopping centers, industrial plants and for irrigation. It is required the installation of a pressure tank.

FEATURES

- Horizontal or vertical multistage pumps of ULTRA series
- Inlet and outlet galvanized steel manifolds (stainless stees as option)
- Base frame in galvanized steel
- Non-return valves on suction side, one per pump
- Isolating valves, two per pump
- Pressure gauge
- Variable speed drive, one per pump
- Outlet-pressure sensors, one per pump
- Breaker box
- EQ2SM(T) electronic or Q2ST star-delta electromechanical control panel with pressure switches for fixed speed version
- Inverter EPIC, EPIC-A or IPFC, connected on each pump with pressure sensors, for variable speed version
- Pressure tanks, available on request, as accessory

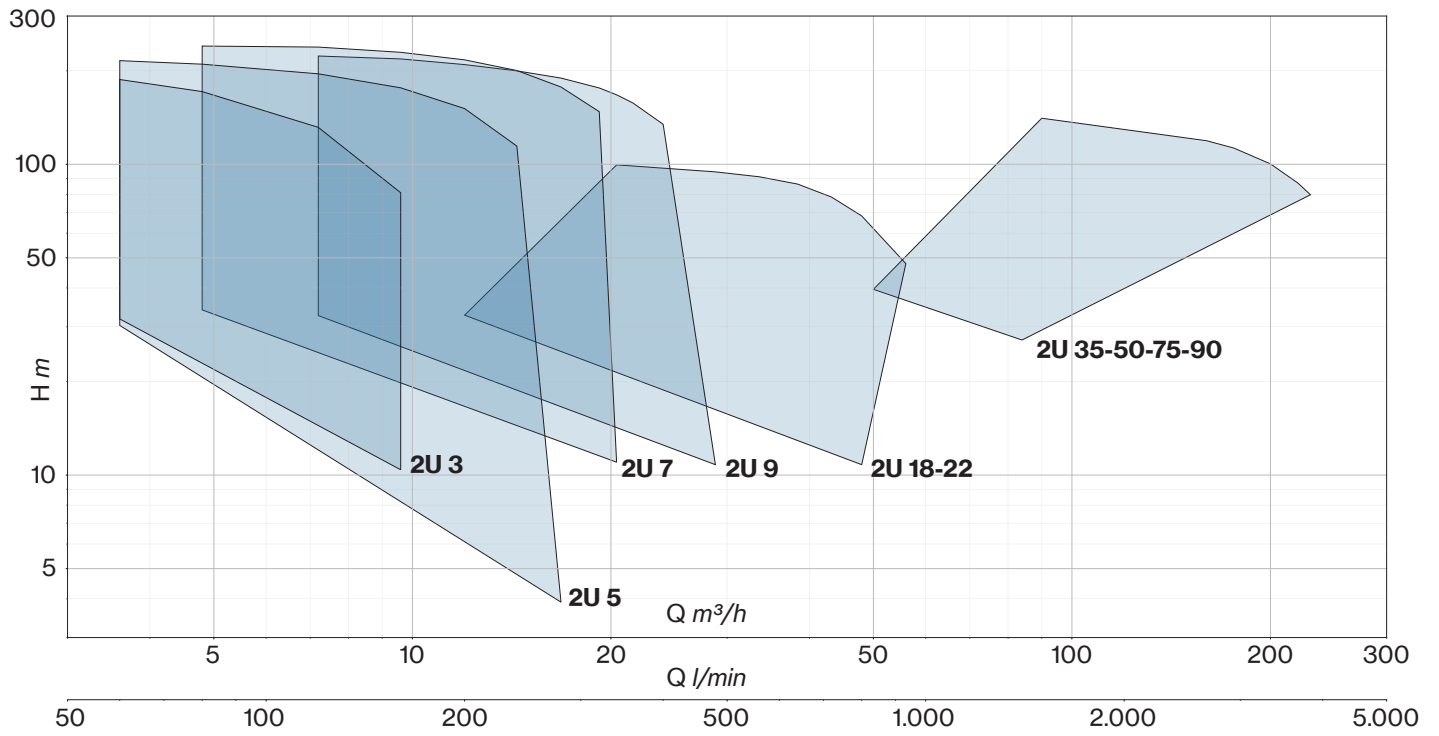
FUNCTIONING

In the fixed speed version as soon as pressure drops below the minimum set value on the pressure switch the first pump starts automatically. If water demand further increases, the second pump will run until the pressure rises above the maximum set value. When demand ends, the last pump turns off. All the pumps follow cycling changeover for equal work distribution. In case of one pump failure, the other pumps would continue to operate.

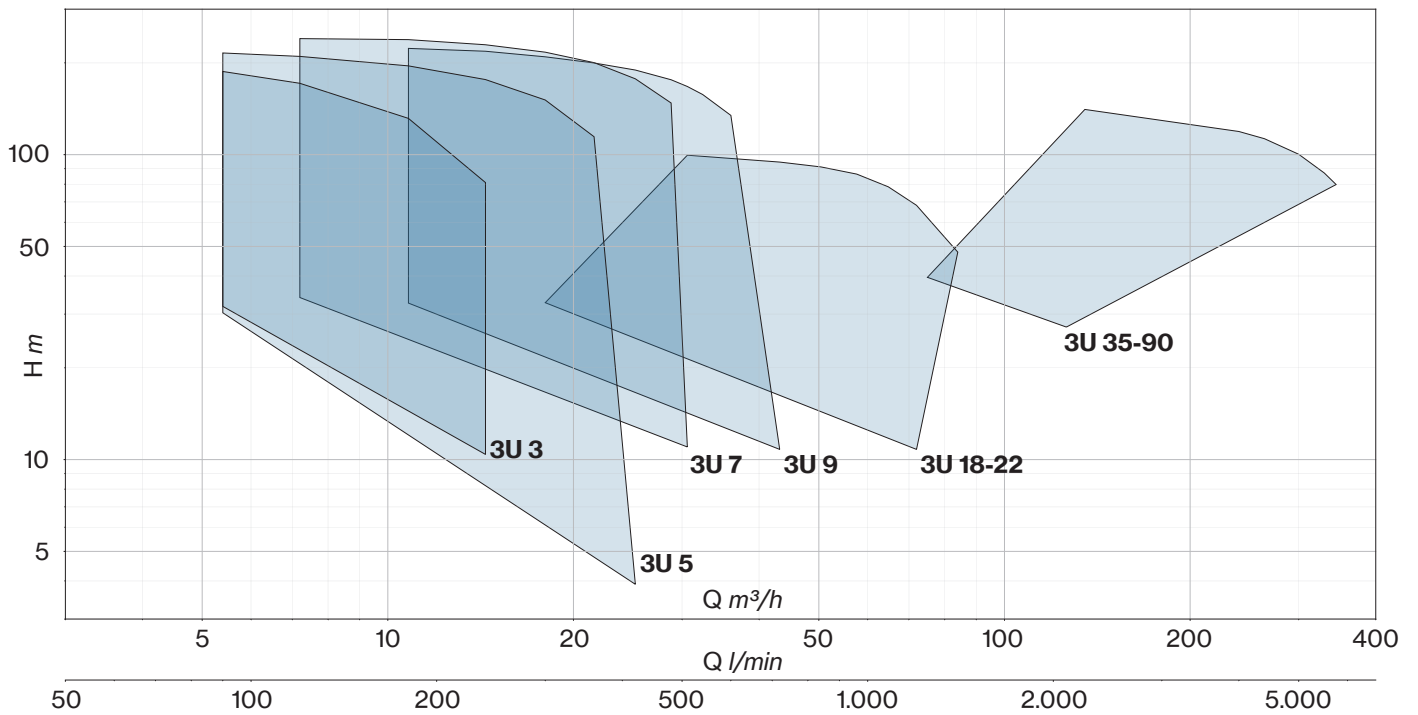
In the variable speed version when the system pressure drops below the desired level, the sensors detect it giving an input to the inverter to start the first pump at controlled speed. If the flow rate is not sufficient, the pressure continues to drop causing the second pump to start. As soon as the flow demand decreases, the pressure rises again and the second pump stop. The first pump continues to modulate its speed in order to regulate and maintain the set pressure until it turns off when the flow demand ends. Based on working hours, the inverters will alternate the starting order of pumps to ensure better wear distribution. Continuity of operation is ensured in the event of one pump or one inverter failure.

MULTISTAGE BOOSTER SETS

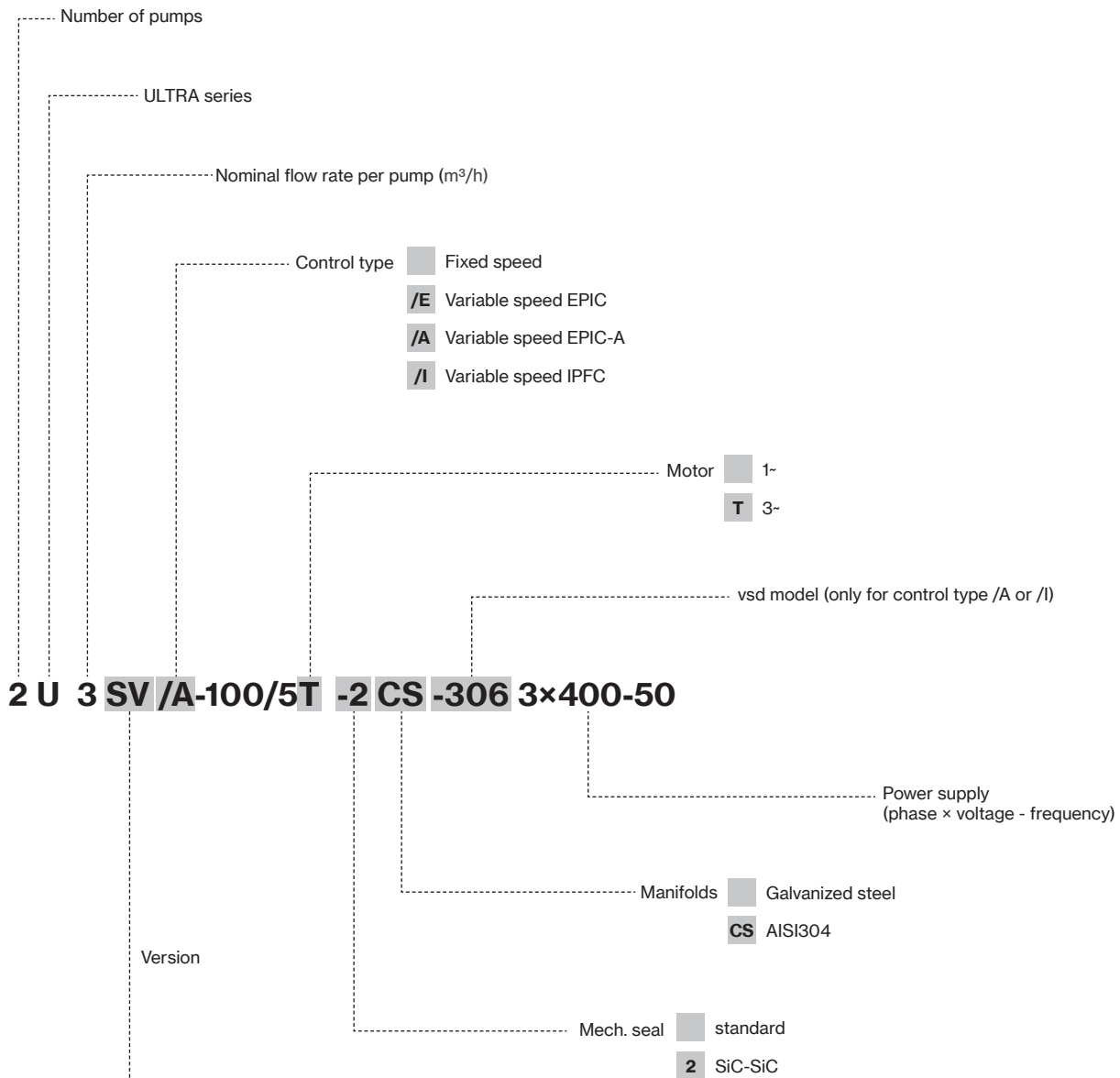
2U



3U



MULTISTAGE BOOSTER SETS



	PUMP TYPE	MAX LIQUID TEMPERATURE	IMPELLERS MATERIAL	PUMP SHELL AND BODY MATERIAL	PUMP AND MOTOR SHAFT
S	Horizontal multistage	35° C	Noryl®	AISI 304	monoblock
		110° C	AISI 304	AISI 304	
V	Vertical multistage, overlapped ports	35° C	Noryl®	AISI 304 / cast iron	
		90° C	AISI 304	AISI 304 / cast iron	
L	Vertical multistage, inline ports	35° C	Noryl®	AISI 304 / cast iron	with coupling
LG		35° C	Noryl®	AISI 304 / cast iron	monoblock
SL		110° C	AISI 304	AISI 304 / cast iron	
SLX		110° C	AISI 304	AISI 304	
SLGX		110° C	AISI 304	AISI 304 / cast iron	with coupling
HS		110° C	AISI 304	AISI 304	
HX		120° C	AISI 304	AISI 304 / cast iron	
		120° C	AISI 316	AISI 316	



PERFORMANCE 2U/3U VERTICAL

TARGET		TYPE - 50 Hz						P2		2U - Q (m³/h - l/min)									
		VERTICAL PUMPS								3U - Q (m³/h - l/min)									
		FIXED SPEED		VARIABLE SPEED				2U (x2) 3U (x3)											
		2U/3U		2U EPIC	2U/3U EPIC-A		2U/3U IPFC		0	3,6	4,8	7,2	9,6	12	14,4	16,8			
m³/h	bar	1- 230V	3- 400V	1- 230V-in 3- 400V-out	3- 400V-in 3- 400V-out	1- 230V-in 3- 230V-out	3- 400V-in 3- 400V-out	HP	kW	H (m)									
										0	3,6	4,8	7,2	9,6	12	14,4	16,8		
(2U) 6 (3U) 9	3	3V-100/5	3V-100/5T	3V/E-100/5T	3V/A-100/5T-304	3V/I-100/5T-109	3V/I-100/5T-306	1	0,75	52,2	40,8	36	25,4	14					
		3L-100/5	3L-100/5T	3L/E-100/5T	3L/A-100/5T-304	3L/I-100/5T-109	3L/I-100/5T-306			55,3	46,5	42,1	31,6	17,7					
		3SV-100/5	3SV-100/5T	3SV/E-100/5T	3SV/A-100/5T-304	3SV/I-100/5T-109	3SV/I-100/5T-306												
	4	3V-120/6	3V-120/6T	3V/E-120/6T	3V/A-120/6T-304	3V/I-120/6T-109	3V/I-120/6T-306	1,2	0,9	62,8	49,6	43,9	32,1	18,3					
		3L-120/6	3L-120/6T	3L/E-120/6T	3L/A-120/6T-304	3L/I-120/6T-109	3L/I-120/6T-306			66,6	56	50,7	38,1	22,4					
		3SV-120/6	3SV-120/6T	3SV/E-120/6T	3SV/A-120/6T-304	3SV/I-120/6T-109	3SV/I-120/6T-306												
	5	3V-150/7	3V-150/7T	3V/E-150/7T	3V/A-150/7T-304	3V/I-150/7T-109	3V/I-150/7T-306	1,5	1,1	77,1	68,4	62,3	46,5	25,7					
		3L-150/7	3L-150/7T	3L/E-150/7T	3L/A-150/7T-304	3L/I-150/7T-109	3L/I-150/7T-306			75,6	64,8	58,9	44,4	26,1					
		3SV-150/7	3SV-150/7T	3SV/E-150/7T	3SV/A-150/7T-304	3SV/I-150/7T-109	3SV/I-150/7T-306												
	6	3V-180/8	3V-180/8T	3V/E-180/8T	3V/A-180/8T-304	3V/I-180/8T-109	3V/I-180/8T-306	2	1,5	88,1	77,6	70,2	51,3	26					
		3L-180/8	3L-180/8T	3L/E-180/8T	3L/A-180/8T-304	3L/I-180/8T-109	3L/I-180/8T-306			86,7	73,9	67,3	51	29,9					
		3SV-180/8	3SV-180/8T	3SV/E-180/8T	3SV/A-180/8T-304	3SV/I-180/8T-109	3SV/I-180/8T-306												
	7	3V-200/9	3V-200/9T	3V/E-200/9T	3V/A-200/9T-304	3V/I-200/9T-109	3V/I-200/9T-306	2	15	98,8	87,3	79,4	60	32,2					
		3L-200/9	3L-200/9T	3L/E-200/9T	3L/A-200/9T-304	3L/I-200/9T-109	3L/I-200/9T-306			97	82,5	74,7	56,4	32,9					
		3SV-200/9	3SV-200/9T	3SV/E-200/9T	3SV/A-200/9T-304	3SV/I-200/9T-109	3SV/I-200/9T-306												
	8	3V-250/10	3V-250/10T	3V/E-250/10T	3V/A-250/10T-306	3V/I-250/10T-114	3V/I-250/10T-306	2	15	109,3	96,3	87,5	65,3	34,5					
3L-250/10		3L-250/10T	3L/E-250/10T	3L/A-250/10T-306	3L/I-250/10T-114	3L/I-250/10T-306	107,2			90,5	82	61,5	35,6						
3SV-250/10		3SV-250/10T	3SV/E-250/10T	3SV/A-250/10T-306	3SV/I-250/10T-114	3SV/I-250/10T-306													
9	3V-280/11	3V-280/11T	3V/E-280/11T	3V/A-280/11T-306	3V/I-280/11T-114	3V/I-280/11T-306	2,5	1,85	120,4	106,1	96,4	71,6	38,3						
	3L-280/11	3L-280/11T	3L/E-280/11T	3L/A-280/11T-306	3L/I-280/11T-114	3L/I-280/11T-306			117,2	98,8	89,8	66,8	37,3						
	3SV-280/11	3SV-280/11T	3SV/E-280/11T	3SV/A-280/11T-306	3SV/I-280/11T-114	3SV/I-280/11T-306													
10	3V-300/12	3V-300/12T	-	3V/A-300/12T-306	3V/I-300/12T-114	3V/I-300/12T-306	2,5	1,85	130,3	114,6	103,8	76,6	40,8						
	3L-300/12	3L-300/12T	-	3L/A-300/12T-306	3L/I-300/12T-114	3L/I-300/12T-306			126,4	106,1	95,9	71,7	40						
	3SV-300/12	3SV-300/12T	-	3SV/A-300/12T-306	3SV/I-300/12T-114	3SV/I-300/12T-306													
12	-	3SLG-350/14T	-	3SLG/A-350/14T-306	3SLG/I-350/14T-114	3SLG/I-350/14T-306	3	2,2	154,8	133,7	122,5	97,4	58,2						
14	-	3SLG-380/16T	-	3SLG/A-380/16T-309	3SLG/I-380/16T-114	3SLG/I-380/16T-309	4	3	177,5	154,5	141,3	109,4	67						
15	-	3SLG-400/18T	-	3SLG/A-400/18T-309	-	3SLG/I-400/18T-309	4	3	195,1	172,8	158	122,1	75,3						
16	-	3SLG-450/20T	-	3SLG/A-450/20T-309	-	3SLG/I-450/20T-309	4	3	218,3	187,4	171,4	131,5	81						
(2U) 10 (3U) 15	3	5V-120/4	5V-120/4T	5V/E-120/4T	5V/A-120/4T-304	5V/I-120/4T-109	5V/I-120/4T-306	1,2	0,9	45,3	41,3	39,6	35,6	30,8	24,9	17,6	6,4		
		5L-120/4	5L-120/4T	5L/E-120/4T	5L/A-120/4T-304	5L/I-120/4T-109	5L/I-120/4T-306			45,5	42,2	40,7	37,2	32,9	27,4	19,8	10,4		
		5SV-120/4	5SV-120/4T	5SV/E-120/4T	5SV/A-120/4T-304	5SV/I-120/4T-109	5SV/I-120/4T-306												
	4	5V-150/5	5V-150/5T	5V/E-150/5T	5V/A-150/5T-304	5V/I-150/5T-109	5V/I-150/5T-306	1,5	1,1	57,6	55,6	54,2	50,5	45,0	37,0	27,4			
		5L-150/5	5L-150/5T	5L/E-150/5T	5L/A-150/5T-304	5L/I-150/5T-109	5L/I-150/5T-306			55,9	52,8	51,4	48,1	43,4	37,3	28,3	16,4		
		5SV-150/5	5SV-150/5T	5SV/E-150/5T	5SV/A-150/5T-304	5SV/I-150/5T-109	5SV/I-150/5T-306												
	5	5V-180/6	5V-180/6T	5V/E-180/6T	5V/A-180/6T-304	5V/I-180/6T-109	5V/I-180/6T-306	2	1,5	69,1	66,5	64,8	60,1	53,2	43,8	32,0			
		5L-180/6	5L-180/6T	5L/E-180/6T	5L/A-180/6T-304	5L/I-180/6T-109	5L/I-180/6T-306			67	63,3	61,6	57,6	51,9	44,2	33,6	20,4		
		5SV-180/6	5SV-180/6T	5SV/E-180/6T	5SV/A-180/6T-304	5SV/I-180/6T-109	5SV/I-180/6T-306												
	5,5	5V-200/7	5V-200/7T	5V/E-200/7T	5V/A-200/7T-304	5V/I-200/7T-109	5V/I-200/7T-306	2	15	80,6	77,1	75,1	69,6	61,3	50,4	35,8			
		5L-200/7	5L-200/7T	5L/E-200/7T	5L/A-200/7T-304	5L/I-200/7T-109	5L/I-200/7T-306			77,8	73,5	71,3	66,3	59,6	50,7	38,0	22,4		
		5SV-200/7	5SV-200/7T	5SV/E-200/7T	5SV/A-200/7T-304	5SV/I-200/7T-109	5SV/I-200/7T-306												
6,5	5V-250/8	5V-250/8T	5V/E-250/8T	5V/A-250/8T-306	5V/I-250/8T-114	5V/I-250/8T-306	2,5	1,85	92	88,2	85,8	79,2	70,1	57,2	41,1				
	5L-250/8	5L-250/8T	5L/E-250/8T	5L/A-250/8T-306	5L/I-250/8T-114	5L/I-250/8T-306			89,2	83,9	81,6	76,2	68,4	58,3	43,2	24,6			
	5SV-250/8	5SV-250/8T	5SV/E-250/8T	5SV/A-250/8T-306	5SV/I-250/8T-114	5SV/I-250/8T-306													



PERFORMANCE 2U/3U VERTICAL

TARGET		TYPE - 50 Hz					P2		2U - Q (m³/h - l/min)										
		VERTICAL PUMPS					2U (x2) 3U (x3)		0	3,6	4,8	7,2	9,6	12	14,4	16,8	19,2		
		FIXED SPEED		VARIABLE SPEED					0	60	80	120	160	200	240	280	320		
		2U/3U		2U/3U EPIC-A		2U/3U IPFC	0	5,4	7,2	10,8	14,4	18	21,6	25,2	28,8				
m³/h	bar	1- 230V	3- 400V	3- 400V-in 3- 400V-out	1- 230V-in 3- 230V-out	3- 400V-in 3- 400V-out	HP	kW	H (m)										
(2U) 10 (3U) 15	7	5V-280/9	5V-280/9T	5V/A-280/9T-306	5V/I-280/9T-114	5V/I-280/9T-306	2,5	1,85	103,3	98,9	96,2	88,8	78,4	64,1	45,3				
		5L-280/9	5L-280/9T	5L/A-280/9T-306	5L/I-280/9T-114	5L/I-280/9T-306			99,7	93,7	90,9	84,1	75,2	61,1	47,4	25,9			
		5SV-280/9	5SV-280/9T	5SV/A-280/9T-306	5SV/I-280/9T-114	5SV/I-280/9T-306													
	8	5SL-280/9	5SL-280/9T	5SL/A-280/9T-306	5SL/I-280/9T-114	5SL/I-280/9T-306	3	2,2	115,1	110,6	107,6	99,5	87,6	72,1	50,7				
		5SV-300/10	5SV-300/10T	5SV/A-300/10T-306	5SV/I-300/10T-114	5SV/I-300/10T-306			112,2	105,4	102,4	95,3	85,6	72,6	54,8	31,0			
		5SL-300/10	5SL-300/10T	5SL/A-300/10T-306	5SL/I-300/10T-114	5SL/I-300/10T-306													
	9	-	5V-350/11T	5V/A-350/11T-306	5V/I-350/11T-114	5V/I-350/11T-306	3,5	2,57	127,6	122,5	119,4	110,8	98,0	80,8	57,4				
		-	5L-350/11T	5L/A-350/11T-306	5L/I-350/11T-114	5L/I-350/11T-306			125,1	117,6	114,3	106,1	95,5	80,9	60,9	34,8			
		-	5SV-350/11T	5SV/A-350/11T-306	5SV/I-350/11T-114	5SV/I-350/11T-306													
	10	-	5SL-350/11T	5SL/A-350/11T-306	5SL/I-350/11T-114	5SL/I-350/11T-306	4	3	140,3	135,4	132,1	123,2	109,5	90,1	66,5				
		-	5V-380/12T	5V/A-380/12T-309	-	5V/I-380/12T-309			135,7	128,9	125,6	117,7	106,3	91,3	70,2	41,5			
		-	5L-380/12T	5L/A-380/12T-309	-	5L/I-380/12T-309													
	12	-	5SV-380/12T	5SV/A-380/12T-309	-	5SV/I-380/12T-309	4	3	159,2	150,7	146,7	136,6	122,9	105,5	79,0				
		-	5SL-380/12T	5SL/A-380/12T-309	-	5SL/I-380/12T-309			182,0	173,2	169,1	158,0	142,9	122,9	93,6				
		-	5SLG-400/14T	5SLG/A-400/14T-309	-	5SLG/I-400/14T-309			204,4	194,4	189,5	176,5	159,6	136,3	103,2				
		-	5SLG-450/16T	5SLG/A-450/16T-309	-	5SLG/I-450/16T-309			226,7	215,5	210,0	195,5	176,3	151,1	114,5				
		-	5SLG-550/18T	-	-	5SLG/I-550/18T-311													
		-	5SLG-600/20T	-	-	5SLG/I-600/20T-311													
(2U) 14 (3U) 21	3	7V-180/4	7V-180/4T	7V/A-180/4T-304	7V/I-180/4T-109	7V/I-180/4T-306	2	1,5	49,6		48,4	46,7	43,8	39,9	34,9	28,9			
		7L-180/4	7L-180/4T	7L/A-180/4T-304	7L/I-180/4T-109	7L/I-180/4T-306			46,7		46,0	45,2	43,1	40,3	36,9	32,3	25,5		
		7SV-180/4	7SV-180/4T	7SV/A-180/4T-304	7SV/I-180/4T-109	7SV/I-180/4T-306													
	4	7SL-180/4	7SL-180/4T	7SL/A-180/4T-304	7SL/I-180/4T-109	7SL/I-180/4T-306	2,5	1,85	63,2		62,1	60,3	56,9	52,1	46,2	39,0			
		7V-250/5	7V-250/5T	7V/A-250/5T-306	7V/I-250/5T-114	7V/I-250/5T-306			58,5		57,6	56,6	54,1	50,8	46,1	40,3	31,8		
		7L-250/5	7L-250/5T	7L/A-250/5T-306	7L/I-250/5T-114	7L/I-250/5T-306													
	5	7SV-250/5	7SV-250/5T	7SV/A-250/5T-306	7SV/I-250/5T-114	7SV/I-250/5T-306	3	2,2	76,0		75,1	73,1	69,2	63,6	56,8	48,2			
		7SL-250/5	7SL-250/5T	7SL/A-250/5T-306	7SL/I-250/5T-114	7SL/I-250/5T-306			70,6		69,9	68,7	65,8	61,8	56,6	49,7	39,3		
		7V-300/6	7V-300/6T	7V/A-300/6T-306	7V/I-300/6T-114	7V/I-300/6T-306													
	6	7L-300/6	7L-300/6T	7L/A-300/6T-306	7L/I-300/6T-114	7L/I-300/6T-306	3,5	2,57	89,0		88,0	85,8	81,2	74,5	66,3	56,2			
		7SV-300/6	7SV-300/6T	7SV/A-300/6T-306	7SV/I-300/6T-114	7SV/I-300/6T-306			82,8		82,0	80,6	77,2	72,3	66,0	57,4	46,4		
		7SL-300/6	7SL-300/6T	7SL/A-300/6T-306	7SL/I-300/6T-114	7SL/I-300/6T-306													
	7	-	7V-350/7T	7V/A-350/7T-306	7V/I-350/7T-114	7V/I-350/7T-306	4	3	102,3		101,0	98,2	92,4	84,4	74,6	62,4			
		-	7L-350/7T	7L/A-350/7T-306	7L/I-350/7T-114	7L/I-350/7T-306			94,8		94,3	92,5	88,6	83,2	76,4	66,2	52,6		
		-	7SV-350/7T	7SV/A-350/7T-306	7SV/I-350/7T-114	7SV/I-350/7T-306													
	8	-	7SL-350/7T	7SL/A-350/7T-306	7SL/I-350/7T-114	7SL/I-350/7T-306	4,5	3,37	115,2		114,4	111,4	105,6	97,1	86,3	73,1			
		-	7V-400/8T	7V/A-400/8T-309	-	7V/I-400/8T-309			107,4		106,9	105,2	101,1	95,3	87,7	76,3	61,0		
		-	7L-400/8T	7L/A-400/8T-309	-	7L/I-400/8T-309													
	9	-	7SV-400/8T	7SV/A-400/8T-309	-	7SV/I-400/8T-309	5,5	4	128,1		128,0	124,9	118,7	109,4	97,6	83,0			
		-	7SL-400/8T	7SL/A-400/8T-309	-	7SL/I-400/8T-309			119,8		119,6	118,4	113,9	107,7	99,4	87,0	70,4		
		-	7V-450/9T	7V/A-450/9T-309	-	7V/I-450/9T-309													
	11	-	7L-450/9T	7L/A-450/9T-309	-	7L/I-450/9T-309	7,5	5,5	143,7		143,7	142,6	137,0	129,6	119,8	105,6	87,0		
		-	7SV-450/9T	7SV/A-450/9T-309	-	7SV/I-450/9T-309			167,6		167,3	165,9	159,6	151,0	139,5	122,6	100,3		
		-	7SL-450/9T	7SL/A-450/9T-309	-	7SL/I-450/9T-309			191,5		191,2	189,3	181,7	171,5	157,7	137,6	111,1		
		-	7V-550/10T	7V/A-550/10T-309	-	7V/I-550/10T-309			215,5		215,7	213,9	205,8	194,7	179,8	159,0	132,3		
		-	7L-550/10T	7L/A-550/10T-309	-	7L/I-550/10T-309			240,3		240,2	238,4	229,3	216,8	200,3	177,3	147,7		
		-	7SV-550/10T	7SV/A-550/10T-309	-	7SV/I-550/10T-309													
13	-	7SL-550/10T	7SL/A-550/10T-309	-	7SL/I-550/10T-309	10	7,5	143,7		143,7	142,6	137,0	129,6	119,8	105,6	87,0			
	-	7SLG-750/12T	-	-	7SLG/I-750/12T-311			167,6		167,3	165,9	159,6	151,0	139,5	122,6	100,3			
	-	7SLG-800/14T	-	-	7SLG/I-800/14T-314			191,5		191,2	189,3	181,7	171,5	157,7	137,6	111,1			
	-	7SLG-900/16T	-	-	7SLG/I-900/16T-314			215,5		215,7	213,9	205,8	194,7	179,8	159,0	132,3			
15	-	7SLG-950/18T	-	-	7SLG/I-950/18T-314	10	7,5	215,5		215,7	213,9	205,8	194,7	179,8	159,0	132,3			
	-	7SLG-1000/20T	-	-	7SLG/I-1000/20T-318			240,3		240,2	238,4	229,3	216,8	200,3	177,3	147,7			
	-																		



PERFORMANCE 2U/3U VERTICAL

TARGET		TYPE - 50 Hz						P2		2U - Q (m³/h - l/min)										
		VERTICAL PUMPS						2U (x2)	3U (x3)	0	12	14,4	16,8	19,2	20,4	21,6	24	28,8		
		FIXED SPEED			VARIABLE SPEED					0	200	240	280	320	340	360	400	480		
		2U/3U		2U EPIC	2U/3U EPIC-A		2U/3U IPFC		3U - Q (m³/h - l/min)											
m³/h	bar	1- 230V	3- 400V	1- 230V-in 3- 400V-out	3- 400V-in 3- 400V-out	1- 230V-in 3- 230V-out	3- 400V-in 3- 400V-out	HP	kW	H (m)										
(2U) 18 (3U) 27	3	9V-200/4	9V-200/4T	9V/E-200/4T	9V/A-200/4T-304	9V/I-200/4T-109	9V/I-200/4T-306	2	1,5	45,8	39,2	37,3	34,6	31,3	29,4	27,4	23,0	17,9		
		9L-200/4	9L-200/4T	9L/E-200/4T	9L/A-200/4T-304	9L/I-200/4T-109	9L/I-200/4T-306			45,8	39,7	37,8	35,6	32,7	30,9	29,0	24,6	19,8		
		9SV-200/4	9SV-200/4T	9SV/E-200/4T	9SV/A-200/4T-304	9SV/I-200/4T-109	9SV/I-200/4T-306													
		9SL-200/4	9SL-200/4T	9SL/E-200/4T	9SL/A-200/4T-304	9SL/I-200/4T-109	9SL/I-200/4T-306													
	3,5	9V-250/5	9V-250/5T	-	9V/A-250/5T-306	9V/I-250/5T-114	9V/I-250/5T-306	2,5	1,85	56,9	48,5	46,1	42,9	38,8	36,4	33,8	28,2	22,3		
		9L-250/5	9L-250/5T	-	9L/A-250/5T-306	9L/I-250/5T-114	9L/I-250/5T-306			57,1	49,5	47,2	44,3	40,6	38,4	35,8	30,2	24,4		
		9SV-250/5	9SV-250/5T	-	9SV/A-250/5T-306	9SV/I-250/5T-114	9SV/I-250/5T-306													
		9SL-250/5	9SL-250/5T	-	9SL/A-250/5T-306	9SL/I-250/5T-114	9SL/I-250/5T-306													
	4	9V-300/6	9V-300/6T	-	9V/A-300/6T-306	9V/I-300/6T-114	9V/I-300/6T-306	3	2,2	69,8	60,3	57,5	53,6	48,8	46,0	42,9	36,4	29,6		
		9L-300/6	9L-300/6T	-	9L/A-300/6T-306	9L/I-300/6T-114	9L/I-300/6T-306			69,4	60,3	57,3	54,0	49,8	46,9	43,6	36,2	28,1		
		9SV-300/6	9SV-300/6T	-	9SV/A-300/6T-306	9SV/I-300/6T-114	9SV/I-300/6T-306													
		9SL-300/6	9SL-300/6T	-	9SL/A-300/6T-306	9SL/I-300/6T-114	9SL/I-300/6T-306													
	5,5	-	9V-400/7T	-	9V/A-400/7T-309	-	9V/I-400/7T-309	4	3	83,3	72,7	68,9	64,2	58,5	55,2	51,6	43,6	34,7		
		-	9L-400/7T	-	9L/A-400/7T-309	-	9L/I-400/7T-309			82,0	72,0	68,7	64,9	59,9	56,6	52,9	44,2	33,9		
		-	9SV-400/7T	-	9SV/A-400/7T-309	-	9SV/I-400/7T-309													
		-	9SL-400/7T	-	9SL/A-400/7T-309	-	9SL/I-400/7T-309													
	6,5	-	9V-450/8T	-	9V/A-450/8T-309	-	9V/I-450/8T-309	4,5	3,37	96,7	84,8	80,6	75,5	69,2	65,4	61,3	52,2	42,1		
-		9L-450/8T	-	9L/A-450/8T-309	-	9L/I-450/8T-309	93,5			82,6	79,0	74,9	69,5	65,8	61,5	52,0	41,7			
-		9SV-450/8T	-	9SV/A-450/8T-309	-	9SV/I-450/8T-309														
-		9SL-450/8T	-	9SL/A-450/8T-309	-	9SL/I-450/8T-309														
7	-	9V-500/9T	-	9V/A-500/9T-309	-	9V/I-500/9T-309	4,5	3,37	107,1	92,8	88,3	82,4	75,2	71,0	66,4	56,4	45,2			
	-	9L-500/9T	-	9L/A-500/9T-309	-	9L/I-500/9T-309			105,4	92,5	88,3	83,5	77,3	73,0	68,1	57,5	46,9			
	-	9SV-500/9T	-	9SV/A-500/9T-309	-	9SV/I-500/9T-309														
	-	9SL-500/9T	-	9SL/A-500/9T-309	-	9SL/I-500/9T-309														
8	-	9V-550/10T	-	9V/A-550/10T-309	-	9V/I-550/10T-309	5,5	4	119,5	104,3	99,3	92,7	84,6	79,9	74,8	63,5	51,2			
	-	9L-550/10T	-	9L/A-550/10T-309	-	9L/I-550/10T-309			117,6	104,5	99,9	94,7	87,8	83,2	77,9	66,2	53,4			
	-	9SV-550/10T	-	-	-	9SV/I-550/10T-311														
	-	9SL-550/10T	-	-	-	9SL/I-550/10T-311														
10	-	9SLG-750/12T	-	-	-	9SLG/I-750/12T-314	7,5	5,5	141,3	125,4	119,7	113,4	105,1	99,7	93,7	79,6				
12	-	9SLG-800/14T	-	-	-	9SLG/I-800/14T-314	7,5	5,5	165,5	146,5	139,9	132,7	123,4	117,3	110,3	94,0				
13	-	9SLG-900/16T	-	-	-	9SLG/I-900/16T-318	10	7,5	188,7	167,1	159,7	151,4	140,4	133,3	125,1	106,2				
15	-	9SLG-950/9T	-	-	-	9SLG/I-950/9T-318	10	7,5	213,8	189,6	181,2	172,0	159,9	151,8	142,5	121,0				
17	-	9SLG-1000/20T	-	-	-	9SLG/I-1000/20T-318	10	7,5	236,7	209,3	199,8	189,5	176,1	167,3	157,5	134,5				

TARGET		TYPE - 50 Hz				P2		2U - Q (m³/h - l/min)														
		VERTICAL PUMPS				2U (x2)	3U (x3)	0	12	14,4	16,8	19,2	20,4	21,6	24	28,8	33,6	38,4	43,2	48		
		FIXED SPEED		VARIABLE SPEED				0	200	240	280	320	340	360	400	480	560	640	720	800		
		2U/3U		2U/3U EPIC-A		2U/3U IPFC		3U - Q (m³/h - l/min)														
m³/h	bar	3- 400V	3- 400V-in 3- 400V-out	1- 230V-in 3- 230V-out	3- 400V-in 3- 400V-out	HP	kW	H (m)														
(2U) 36 (3U) 54	2	18V-250/3T	18V/A-250/3T-306	18V/I-250/3T-114	18V/I-250/3T-306	2,5	1,85	34,7	32,9	32,6	32,2	31,6	31,3	31,0	30,1	28,0	24,7	20,6	15,9	10,7		
		18L-250/3T	18L/A-250/3T-306	18L/I-250/3T-114	18L/I-250/3T-306			33,8	31,6	31,0	30,2	29,4	28,9	28,4	27,4	25,4	23,2	20,4	16,3	11,5		
		18SV-250/3T	18SV/A-250/3T-306	18SV/I-250/3T-114	18SV/I-250/3T-306																	
		18SL-250/3T	18SL/A-250/3T-306	18SL/I-250/3T-114	18SL/I-250/3T-306																	
	2,5	18HX-300/3T	-	18HX/I-300/3T-114	18HX/I-300/3T-306	3	2,2	41,2			37,1	36,3	35,9	35,5	34,4	32,3	28,9	24,8	19,4	13,5		
	3	18V-400/4T	18V/A-400/4T-309	-	18V/I-400/4T-309	4	3	47,1	45,4	45,2	44,9	44,3	44,0	43,6	42,6	40,0	36,0	30,6	24,6	17,8		
		18L-400/4T	18L/A-400/4T-309	-	18L/I-400/4T-309			46,3	44,2	43,4	42,5	41,4	40,9	40,3	39,1	36,7	34,1	30,8	25,6	19,0		
		18SV-400/4T	18SV/A-400/4T-309	-	18SV/I-400/4T-309																	
		18SL-400/4T	18SL/A-400/4T-309	-	18SL/I-400/4T-309																	
	3,5	18HX-400/4T	-	18HX/I-400/4T-114	18HX/I-400/4T-306	4	3	55,1			49,9	48,8	48,3	47,7	46,3	43,5	39,1	33,5	26,4	18,5		
		18V-450/5T	18V/A-450/5T-309	-	18V/I-450/5T-309	4,5	3,37	59,2	57,6	57,4	57,0	56,4	56,0	55,6	54,5	51,6	46,7	40,1	33,3	25,3		
		18L-450/5T	18L/A-450/5T-309	-	18L/I-450/5T-309			58,1	55,7	54,6	53,4	52,1	51,4	50,7	49,3	46,3	42,9	38,7	32,2	24,0		
18SV-450/5T		18SV/A-450/5T-309	-	18SV/I-450/5T-309																		
18SL-450/5T	18SL/A-450/5T-309	-	18SL/I-450/5T-309																			
4,5	18HX-550/5T	-	-	18HX/I-550/5T-309	5,5	4	72,3			64,3	63,1	62,4	61,7	60,1	56,6	51,8	45,1	36,8	27,6			



PRESTAZIONI 2U/3U VERTICALI

TARGET		TYPE - 50 Hz			P2		2U - Q (m³/h - l/min)															
		VERTICAL PUMPS			2U (x2)	3U (x3)	0	12	14,4	16,8	19,2	20,4	21,6	24	28,8	33,6	38,4	43,2	48	56		
		FIXED SPEED	VARIABLE SPEED				0	200	240	280	320	340	360	400	480	560	640	720	800	933		
		2U/3U	2U/3U IPFC		3U - Q (m³/h - l/min)																	
m³/h	bar	3- 400V	1- 230V-in 3- 230V-out	3- 400V-in 3- 400V-out	HP	kW	H (m)															
							0	18	21,6	25,2	28,8	30,6	32,4	36	43,2	50,4	57,6	64,8	72	84		
(2U) 36 (3U) 54	5	18V-550/6T	-	18V/I-550/6T-311	5,5	4	71,4	69,7	69,6	69,0	68,2	67,7	67,1	65,7	62,2	56,3	48,0	39,4	29,4			
		18L-550/6T	-	18L/I-550/6T-311			70,1	67,4	66,3	64,9	63,4	62,6	61,7	60,0	56,4	52,4	47,6	39,6	29,9			
	6	18SV-550/6T	-	18SV/I-550/6T-311	7,5	5,5	88,0			79,6	78,2	77,4	76,7	74,9	71,0	66,0	58,3	48,8	37,5			
		18SL-550/6T	-	18SL/I-550/6T-311			96,1	94,2	94,1	93,5	92,4	91,7	90,9	89,1	84,5	77,0	66,1	54,2	41,1			
	6,5	18HX-750/6T	-	18HX/I-750/6T-311	7,5	5,5	94,2	90,6	89,1	87,3	85,3	84,2	83,1	80,9	76,2	71,1	65,0	54,6	41,4			
		18V-750/8T	-	18V/I-750/8T-314			102,5			92,4	90,7	89,8	88,9	86,8	82,3	76,2	67,3	56,1	43,0			
	7	18L-750/8T	-	18L/I-750/8T-314	10	7,5	108,5	106,9	107,0	106,4	105,3	104,5	103,7	101,7	96,8	88,6	75,9	62,6	47,8			
		18SV-750/8T	-	18SV/I-750/8T-314			106,4	102,8	101,3	99,3	97,2	96,1	94,9	92,4	87,3	81,6	75,0	63,5	48,5			
	7,5	18SL-750/8T	-	18SL/I-750/8T-314	10	7,5	117,0			105,2	103,2	102,3	101,2	98,8	93,5	86,5	76,2	63,5	48,5			
		18HX-1000/8T	-	18HX/I-1000/8T-314			131,2			117,8	115,5	114,4	113,1	110,4	104,5	96,5	84,9	70,5	53,6			
9,5	18LG-920/10T	-	18LG/I-920/10T-318	10	7,5	120,4	116,8	118,3	118,0	116,6	115,9	115,0	112,6	104,4	96,3	85,8	67,8					
	18SL-900/9T	-	18SL/I-900/9T-318			132,4	128,9	130,0	129,6	128,0	127,1	125,9	123,0	115,0	103,9	93,0	72,6					
10	18LG-1000/11T	-	18LG/I-1000/11T-318	10	7,5	109,5							40,8	40,5	39,9	38,3	36,6	34,2	30,5	25,8	16,6	
	22HX-400/3T	22HX/I-400/3T-114	22HX/I-400/3T-306			4	3	45,0							55,5	55,1	54,2	52,4	50,2	47,3	42,7	36,8
(2U) 44 (3U) 66	4	22HX-550/4T	-	22HX/I-550/4T-309	5,5	4	62,2															
		22HX-750/5T	-	22HX/I-750/5T-311			7,5	5,5	78,6													
	6,5	22HX-1000/6T	-	22HX/I-1000/6T-314	10	7,5	94,2															
		22HX-1000/7T	-	22HX/I-1000/7T-318			10	7,5	109,5													
	7,5																					

TARGET		TYPE - 50 Hz			P2		2U - Q (m³/h - l/min)														
		VERTICAL PUMPS			2U (x2)	3U (x3)	0	50	60	68	84	90	100	120	128	140	160	176	200	230	
		FIXED SPEED	VARIABLE SPEED				0	833	1000	1133	1400	1500	1667	2000	2133	2333	2667	2933	3333	3833	
		2U/3U	2U/3U IPFC		3U - Q (m³/h - l/min)																
m³/h	bar	3- 400V	3- 400V-in 3- 400V-out	HP	kW	H (m)															
						0	75	90	102	126	135	150	180	192	210	240	264	300	345		
(2U) 70 (3U) 105	3	35HS-750/2T	35HS/I-750/2T-311	7,5	5,5	48,5	39,6	36,9	34,4	27,2											
		4,5	35HS-1000/3T	35HS/I-1000/3T-314	10	7,5	72,2	58,2	54,2	50,3	39,5										
	5	35HS-1000/4-2RT	35HS/I-1000/4-2RT-318	10	7,5	85,1	68,6	63,9	58,4	44,7											
		6	35HS-1500/4-1RT	35HS/I-1500/4-1RT-318	15	11	92,8	75,3	70,2	65,2	50,8										
	7	35HS-1500/4T	35HS/I-1500/4T-325	15	11	99,4	81,0	76,3	71,8	58,5											
		8,5	35HS-2000/5T	35HS/I-2000/5T-325	20	15	121,1	99,3	93,1	87,4	70,0										
	10	35HS-2000/6T	35HS/I-2000/6T-330	20	15	145,6	119,3	111,9	105,0	84,2											
11		35HS-2000/7-1RT	35HS/I-2000/7-1RT-330	20	15	163,3	132,3	123,2	114,0	89,1											
(2U) 100 (3U) 150	3	50HS-1000/2T	50HS/I-1000/2T-318	10	7,5	49,0			42,0	38,8	37,2	34,3	27,5	24,1							
		5	50HS-1500/3T	50HS/I-1500/3T-325	15	11	74,2			65,0	60,9	58,8	54,8	45,5	41,0						
	7	50HS-2000/4T	50HS/I-2000/4T-330	20	15	97,5			86,4	81,3	78,5	73,2	60,8	54,7							
		9	50HS-2500/5T	-	25	18,5	122,3			109,1	102,9	99,5	92,9	77,5	70,0						
(2U) 150 (3U) 225	11	50HS-3000/6T	-	30	22	146,0			129,8	122,2	118,0	110,0	91,6	82,5							
		3,5	75HS-1500/2T	75HS/I-1500/2T-325	15	11	59,3			51,2	49,9	47,5	46,8	45,5	43,2	42,0	39,9	35,3	30,8		
	6	75HS-2500/3T	-	25	18,5	89,6			77,6	75,6	72,0	70,9	69,0	65,7	63,9	60,7	53,9	47,2			
		8	75HS-3000/4T	-	30	22	111,8			100,8	99,2	95,8	94,5	92,4	88,4	86,3	82,3	73,3	62,9		
	10	75HS-4000/5T	-	40	30	142,4			129,2	127,1	123,0	121,5	119,0	114,1	111,5	106,9	96,3	84,6			
11		75HS-4000/6-2RT	-	40	30	153,5			141,6	139,5	135,1	133,3	130,3	123,4	119,6	112,9	99,0	84,1			
(2U) 180 (3U) 270	2,5	90HS-1500/2-2RT	90HS/I-1500/2-2RT-325	15	11	49,6						42,4	41,3	39,0	38,1	36,6	33,2	29,4	22,7	11,7	
		4	90HS-2000/2T	90HS/I-2000/2T-330	20	15	69,2						56,6	54,5	50,5	49,2	47,3	44,3	41,6	36,3	27,3
	6,5	90HS-3000/3T	-	30	22	92,4							82,6	80,6	76,7	75,3	73,2	69,4	65,5	57,8	45,2
		9	90HS-4000/4T	-	40	30	125,6						113,0	110,4	105,2	103,3	100,6	95,7	90,7	80,8	64,4
	11	90HS-5000/5T	-	50	37	156,6							140,7	137,4	130,9	128,6	125,2	119,1	112,8	100,3	79,8

