



ATAC Solutions Ltd is a leading environmental engineering company based in Maidstone, United Kingdom.

ATAC Solutions is known for its state-of-the-art liquid collection fleet and its expertise in providing bespoke turnkey wastewater process solutions.

With a focus on sustainability and accreditation in ISO 9001 & ISO 14001, the company serves domestic and industrial clients across the South-East and London.



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Axiom Water companies

ACTIVE J - ACTIVE JI - ACTIVE JC ACTIVE E - ACTIVE EI - ACTIVE EC

ACTIVE SYSTEM



ACTIVE J



ACTIVE JI



ACTIVE JC



ACTIVE EI



GENERAL DATA

Applications

Automatic water lifting units, particularly suitable for domestic use, small installations for civil, agricultural, industrial use, washing and hobby applications.

The units are characterised by the use of:

- JET, JETINOX, JETCOM EUROINOX self-priming electropumps that can operate even when there are air bubbles and gas. They are indispensable for use in artesian wells and where suction difficulties arise.

The EURO - EUROCOM multistage centrifugal pumps are particularly appropriate for low-noise underwater operation and can increase plant pressure when this is not sufficient or not regular.

Characteristics

The ACTIVE system is a built-in, easy-to-install, and ready-to-use device which:

- controls it
- commands it automatically
- regulates its functioning
- limits starts
- guarantees pressure stability inside the hydraulic circuit
- electronically controls starting pressure.

Operation

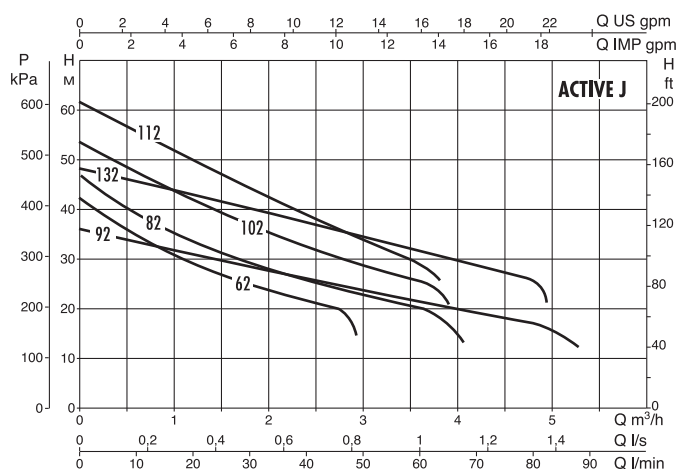
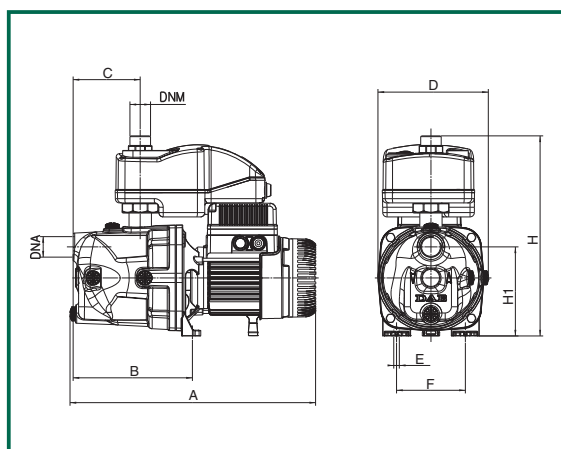
Equipped with a dual control device, the ACTIVE system collects and processes, by means of an electronic circuit, all data related to the water pressure and flow. The electric pump always works at the utmost conditions. On the opening of a cycle, with a minimum water extraction, the electric pump is started by the Active system after the pressure of the system has dropped to the set level that can be adjusted from 1.5 to 2.5 bar by the user. Active limits the number of start-ups of the electric pump in the event of leaks in the system, small drops and seeping or small extractions. The Active system eliminates the water hammer because, with the interruption of the water extraction, the electric pump stops at zero flow rate.

In the event of lack of suction water, the Active system intervenes preventing the electric pump from dry working. On returned normal functioning conditions, ACTIVE automatically restores operation.

Maintenance and adjustment are not necessary.

The performance curves are based on the kinematic viscosity values = 1 mm²/s and density equal to 1000 Kg/m³. Curve tolerance according to ISO 9906.

ACTIVE J

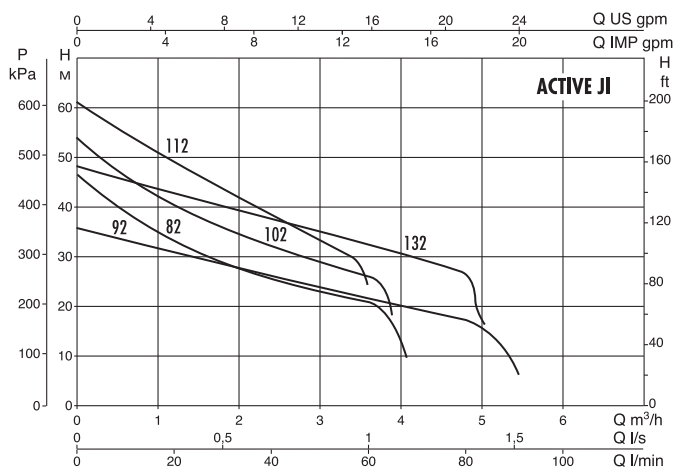
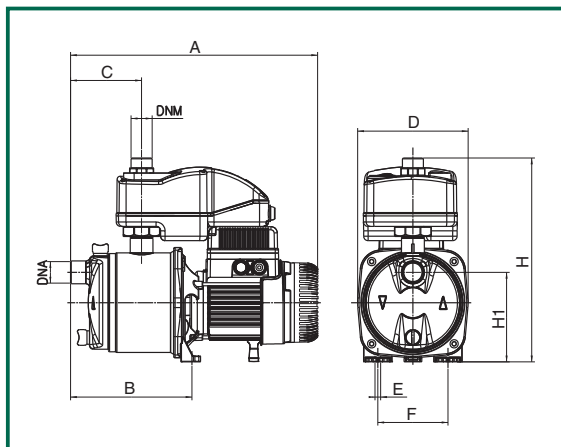


MODEL	A	B	C	D	E	F	H	H1	DNA	DNM	PACKING DIMENSIONS			WEIGHT Kg
											A	B	C	
ACTIVE J 62 M	395	192	108	178	9	111	322	144	1" G	1" G	476	234	348	10,50
ACTIVE J 82 M	395	192	108	178	9	111	322	144	1" G	1" G	476	234	348	13,2
ACTIVE J 102 M	395	192	108	178	9	111	322	144	1" G	1" G	476	234	348	12,50
ACTIVE J 112 M	395	192	108	178	9	111	322	144	1" G	1" G	476	234	348	13,50
ACTIVE J 92 M	395	192	108	178	9	111	322	144	1" G	1" G	476	234	348	11,70
ACTIVE J 132 M	395	192	108	178	9	111	322	144	1" G	1" G	476	234	348	13,50

MODEL	ELECTRICAL DATA						HYDRAULIC DATA (n ≈ 2800 1/min)										
	VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR		Q m³/h l/min	0	0,6	1,2	1,8	2,4	3,0	3,6	4,2	4,8
			kW	HP		μF	Vc										
ACTIVE J 62 M	1x220-240 V ~	0,720	0,44	0,6	3,12	12,5	450	H (m)	42	35	29,2	25,6	21,1				
ACTIVE J 82 M	1x220-240 V ~	0,850	0,6	0,8	3,8	12,5	450		47	40	34	30	26,2	23,5	20,3		
ACTIVE J 102 M	1x220-240 V ~	1,130	0,75	1	5,1	16	450		53,8	47	41	36,3	32,4	28,8	25,8		
ACTIVE J 112 M	1x220-240 V ~	1,400	1	1,36	6,2	25	450		61	54	47,8	42,8	38,8	34,8	22		
ACTIVE J 92 M	1x220-240 V ~	0,940	0,75	1	4,2	14	450		36,2	33,5	31	28,4	26	24	21,8	19,6	17
ACTIVE J 132 M	1x220-240 V ~	1,490	1	1,36	6,6	25	450		48	45,6	42,8	40	37,6	35	32,5	30	27

The performance curves are based on the kinematic viscosity values = 1 mm²/s and density equal to 1000 Kg/m³. Curve tolerance according to ISO 9906.

ACTIVE JI

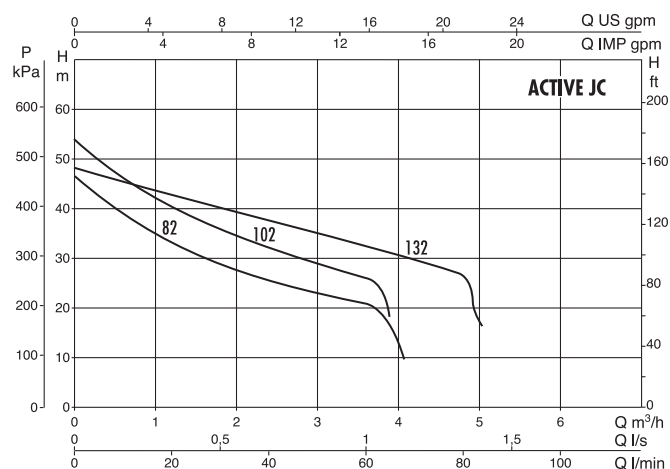
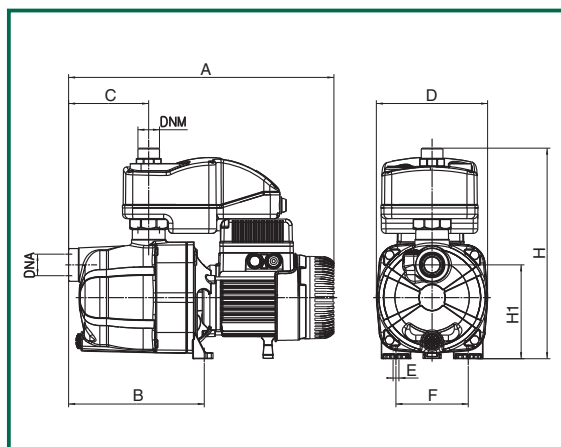


MODEL	A	B	C	D	E	F	H	H1	DNA	DNM	PACKING DIMENSIONS			WEIGHT Kg
											A	B	C	
ACTIVE JI 82 M	390	192	112	174	9	111	322	141	1" G	1" G	476	234	348	10,70
ACTIVE JI 102 M	390	192	112	174	9	111	322	141	1" G	1" G	476	234	348	12,50
ACTIVE JI 112 M	390	192	112	174	9	111	322	141	1" G	1" G	476	234	348	13,50
ACTIVE JI 92 M	390	192	112	174	9	111	322	141	1" G	1" G	476	234	348	11,70
ACTIVE JI 132 M	390	192	112	174	9	111	322	141	1" G	1" G	476	234	348	13,50

MODEL	ELECTRICAL DATA							HYDRAULIC DATA (n = 2800 1/min)									
	VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR		Q m ³ /h l/min	0	0,6	1,2	1,8	2,4	3,0	3,6	4,2	4,8
			kW	HP		μF	Vc		0	10	20	30	40	50	60	70	80
ACTIVE JI 82 M	1x220-240 V ~	0,850	0,6	0,8	3,8	12,5	450	H (m)	47	40	34	30	26,2	23,5	20,3		
ACTIVE JI 102 M	1x220-240 V ~	1,130	0,75	1	5,1	16	450		53,8	47	41	36,3	32,4	28,8	25,8		
ACTIVE JI 112 M	1x220-240 V ~	1,400	1	1,36	6,2	25	450		61	54	47,8	42,8	38,8	34,8	22		
ACTIVE JI 92 M	1x220-240 V ~	0,940	0,75	1	4,2	14	450		36,2	33,5	31	28,4	26	24	21,8	19,6	17
ACTIVE JI 132 M	1x220-240 V ~	1,490	1	1,36	6,6	25	450		48,3	45,6	42,8	40	37,6	35	32,5	30	27,2

The performance curves are based on the kinematic viscosity values = 1 mm²/s and density equal to 1000 Kg/m³. Curve tolerance according to ISO 9906.

ACTIVE JC

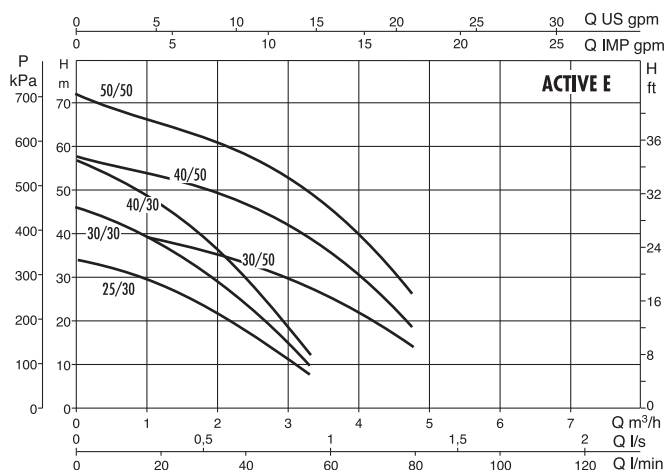
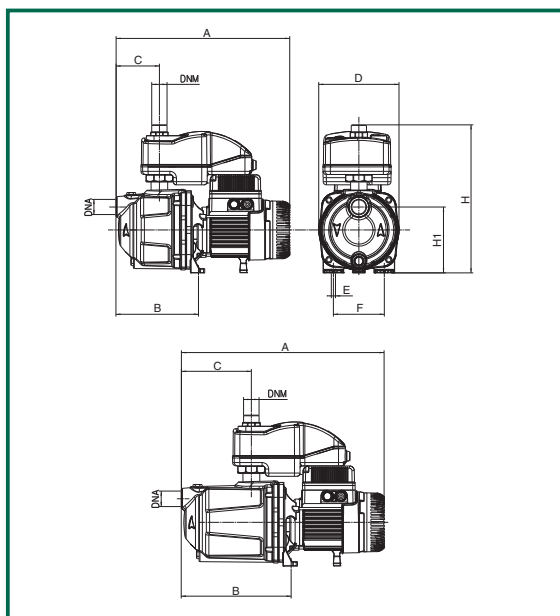


MODEL	A	B	C	D	E	F	H	H1	DNA	DNM	PACKING DIMENSIONS			WEIGHT Kg
											A	B	C	
ACTIVE JC 82 M	406	208	122	170	9	111	322	144	1" G	1" G	476	234	348	10,70
ACTIVE JC 102 M	406	208	122	170	9	111	322	144	1" G	1" G	476	234	348	12,50
ACTIVE JC 132 M	406	208	122	170	9	111	322	144	1" G	1" G	476	234	348	13,50

MODEL	ELECTRICAL DATA							HYDRAULIC DATA (n ~ 2800 1/min)									
	VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR		Q m³/h l/min	0	0,6	1,2	1,8	2,4	3,0	3,6	4,2	4,8
			kW	HP		μF	Vc		0	10	20	30	40	50	60	70	80
ACTIVE JC 82 M	1x220-240 V ~	0,850	0,6	0,8	3,8	12,5	450	H (m)	47	40	34	30	26,2	23,5	20,3		
ACTIVE JC 102 M	1x220-240 V ~	1,130	0,75	1	5,1	16	450		53,8	47	41	36,3	32,4	28,8	25,8		
ACTIVE JC 132 M	1x220-240 V ~	1,490	1	1,36	6,6	25	450		48	45,6	42,8	40	37,6	35	32,5	30	27

The performance curves are based on the kinematic viscosity values = 1 mm²/s and density equal to 1000 Kg/m³. Curve tolerance according to ISO 9906.

ACTIVE E

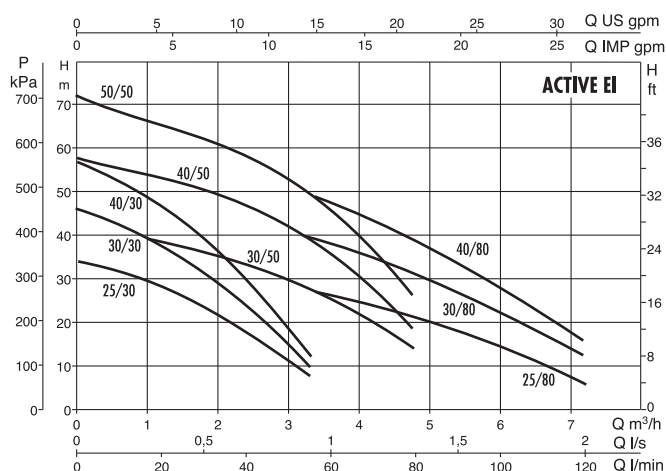
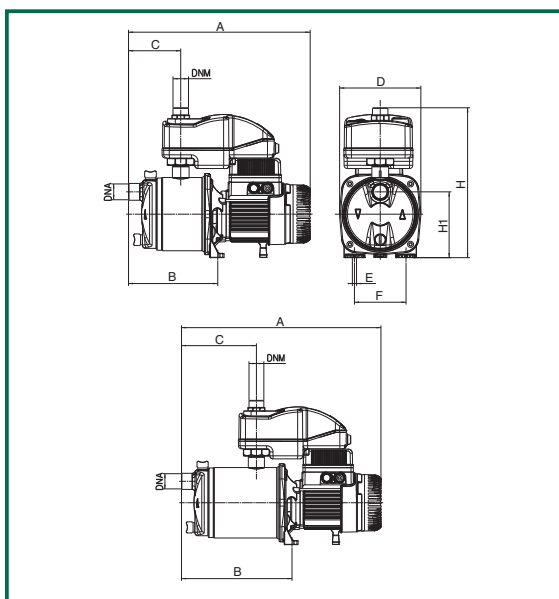


MODEL	A	B	C	D	E	F	H	H1	DNA	DNM	PACKING DIMENSIONS			WEIGHT Kg
											A	B	C	
ACTIVE E 25/30 M	377	180	94	175	9	111	322	144	1" G	1" G	476	234	348	10,90
ACTIVE E 30/30 M	432	235	149	175	9	111	322	144	1" G	1" G	476	234	348	12,90
ACTIVE E 40/30 M	432	235	149	175	9	111	322	144	1" G	1" G	476	234	348	13,00
ACTIVE E 30/50 M	377	180	94	175	9	111	322	144	1" G	1" G	476	234	348	11,70
ACTIVE E 40/50 M	432	235	149	175	9	111	322	144	1" G	1" G	476	234	348	15,60
ACTIVE E 50/50 M	432	235	149	175	9	111	322	144	1" G	1" G	476	234	348	16,20

MODEL	ELECTRICAL DATA							HYDRAULIC DATA (n = 2800 1/min)													
	VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR		Q													
			kW	HP		μF	Vc	m³/h	0	0,6	1,2	1,8	2,4	3,0	3,6	4,2	4,8	6	7,2		
								l/min	0	10	20	30	40	50	60	70	80	100	120		
ACTIVE E 25/30 M	1x220-240 V ~	0,520	0,37	0,5	2,4	10	450	H (m)	34,4	31,7	28,3	23,5	17,5	11							
ACTIVE E 30/30 M	1x220-240 V ~	0,720	0,45	0,6	3,2	12,5	450		46	42,2	37,8	31,2	23,3	14,3							
ACTIVE E 40/30 M	1x220-240 V ~	0,880	0,55	0,75	3,9	12,5	450		57	52,7	47	38,8	29	17,7							
ACTIVE E 30/50 M	1x220-240 V ~	0,880	0,55	0,75	3,9	12,5	450		42,2	40,2	38,2	36,2	33,8	30	24,8	19,5	14				
ACTIVE E 40/50 M	1x220-240 V ~	1,200	0,8	1,1	5,3	20	450		57	55,3	52,8	50,1	47,1	42,7	35,8	28	19				
ACTIVE E 50/50 M	1x220-240 V ~	1,480	1	1,36	6,3	25	450		72	68,5	65,5	62,1	58,2	52,2	43,6	34,5	26				

The performance curves are based on the kinematic viscosity values = 1 mm²/s and density equal to 1000 Kg/m³. Curve tolerance according to ISO 9906.

ACTIVE EI

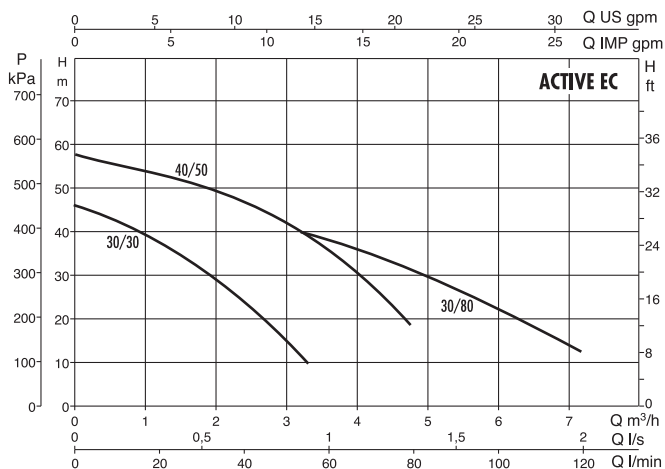
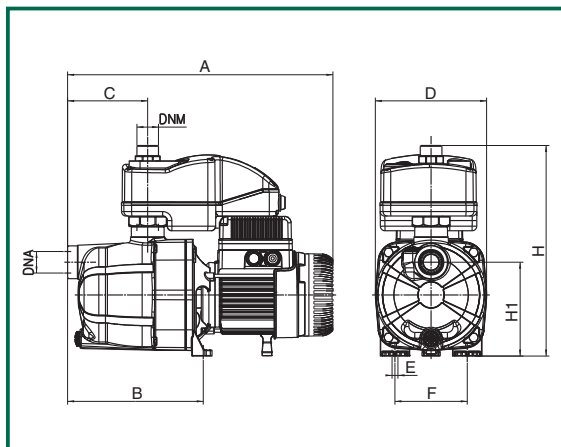


MODEL	A	B	C	D	E	F	H	H1	DNA	DNM	PACKING DIMENSIONS			WEIGHT Kg
											A	B	C	
ACTIVE EI 25/30 M	390	192	112	174	9	111	322	141	1" G	1" G	476	234	348	10,90
ACTIVE EI 30/30 M	445	247	167	174	9	111	322	141	1" G	1" G	476	234	348	13,50
ACTIVE EI 40/30 M	445	247	167	174	9	111	322	141	1" G	1" G	476	234	348	14,00
ACTIVE EI 30/50 M	390	192	112	174	9	111	322	141	1" G	1" G	476	234	348	10,00
ACTIVE EI 40/50 M	445	247	167	174	9	111	322	141	1" G	1" G	476	234	348	15,50
ACTIVE EI 50/50 M	445	247	167	174	9	111	322	141	1" G	1" G	476	234	348	16,00
ACTIVE EI 25/80 M	390	192	112	174	9	111	322	141	1" G	1" G	476	234	348	9,50
ACTIVE EI 30/80 M	445	247	167	174	9	111	322	141	1" G	1" G	476	234	348	15,50
ACTIVE EI 40/80 M	445	247	167	174	9	111	322	141	1" G	1" G	476	234	348	16,00

MODEL	ELECTRICAL DATA							HYDRAULIC DATA (n = 2800 1/min)														
	VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR		Q m³/h l/min	0	0,6	1,2	1,8	2,4	3,0	3,6	4,2	4,8	6	7,2			
			kW	HP		µF	Vc															
ACTIVE EI 25/30 M	1x220-240 V ~	0,520	0,37	0,5	2,4	10	450	H (m)	34,5	31,7	28,3	23,5	17,5	11								
ACTIVE EI 30/30 M	1x220-240 V ~	0,720	0,45	0,6	3,2	12,5	450		46	42,2	37,8	31,2	23,3	14,3								
ACTIVE EI 40/30 M	1x220-240 V ~	0,880	0,55	0,75	3,9	12,5	450		57	52,7	47	38,8	29	17,7								
ACTIVE EI 30/50 M	1x220-240 V ~	0,880	0,55	0,75	3,9	12,5	450		42,2	40,2	38,2	36,2	33,8	30	24,8	19,5	14					
ACTIVE EI 40/50 M	1x220-240 V ~	1,200	0,8	1,1	5,3	20	450		57,7	55,3	52,8	50,1	47,1	42,7	35,8	28	19,2					
ACTIVE EI 50/50 M	1x220-240 V ~	1,480	1	1,36	6,3	25	450		72	68,5	65,5	62,1	58,2	52,2	43,6	34,5	26					
ACTIVE EI 25/80 M	1x220-240 V ~	0,880	0,55	0,75	3,9	12,5	450		34		33	32	30,5	28,5	26	23,5	21	14,5	6,5			
ACTIVE EI 30/80 M	1x220-240 V ~	1,200	0,8	1,1	5,3	20	450		47,3		46,5	45	43,5	41	38	34,5	31	23	12			
ACTIVE EI 40/80 M	1x220-240 V ~	1,480	1	1,36	6,3	20	450		59		57	56	54	51	47	43,5	39	29,5	16,5			

The performance curves are based on the kinematic viscosity values = 1 mm²/s and density equal to 1000 Kg/m³. Curve tolerance according to ISO 9906.

ACTIVE EC



MODEL	A	B	C	D	E	F	H	H1	DNA	DNM	PACKING DIMENSIONS			WEIGHT Kg
											A	B	C	
ACTIVE EC 30/30 M	406	208	122	170	9	111	322	144	1" G	1" G	476	234	348	9,00
ACTIVE EC 40/50 M	406	208	122	170	9	111	322	144	1" G	1" G	476	234	348	11,00
ACTIVE EC 30/80 M	406	208	122	170	9	111	322	144	1" G	1" G	476	234	348	11,00

MODEL	ELECTRICAL DATA							HYDRAULIC DATA (n = 2800 1/min)												
	VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR		Q												
			kW	HP		μF	Vc	m³/h	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	6	7.2	
								l/min	0	10	20	30	40	50	60	70	80	100	120	
ACTIVE EC 30/30 M	1x220-240 V ~	0,720	0,45	0,6	3,2	12,5	450	H (m)	46	42,2	37,8	31,2	23,3	14,3						
ACTIVE EC 40/50 M	1x220-240 V ~	1,200	0,8	1,1	5,3	20	450		57,7	55,3	52,8	50,1	47,1	42,7	35,8	28	19			
ACTIVE EC 30/80 M	1x220-240 V ~	1,200	0,8	1,1	5,3	20	450		47		46,5	45	43,5	41	38	34,5	31	23	12	