

4" complete submersible pump, made of ZDS hydraulic part, Franklin three-phase encapsulated water-cooled motor and supply cable in different lengths. It requires a start, operation and protection system.

### HYDRAULIC PART

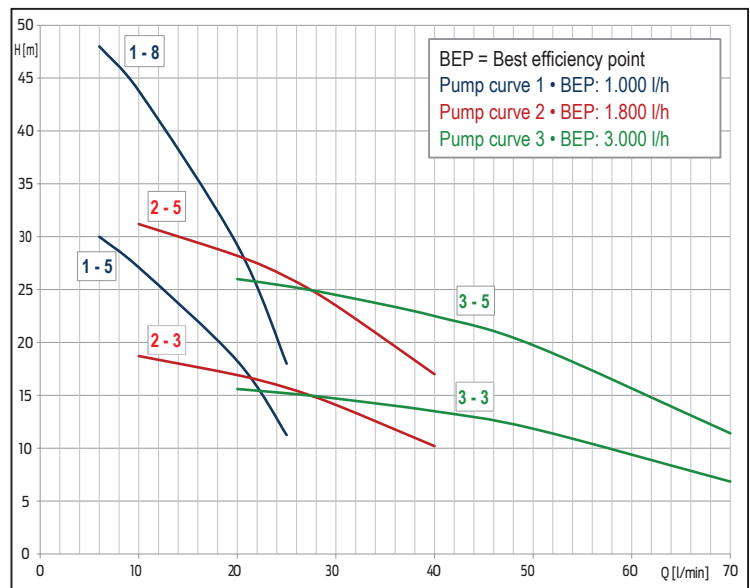
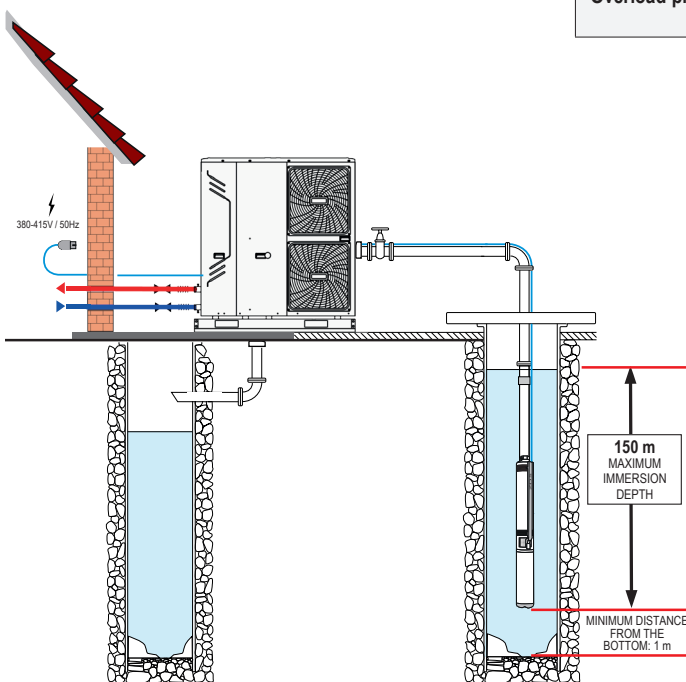
- QS4P technopolymer or QS4X stainless steel ZDS hydraulic part, with floating ring technology and reinforced impeller.
- Great reliability with the integrated non-return valve.
- Special design and selected materials to ensure optimal resistance against sand and other abrasives.
- Improved impellers design, which requires less starting torque to the motor.

### MOTOR

- 2 pole asynchronous three-phase encapsulated water-cooled Franklin motor.
- Axial and radial water-lubricated bearings.
- Hermetically resin sealed stator.
- Pre-filled with non-contaminating antifreeze lubricant liquid.
- Removable lead connector.
- Supply cable according to drinking water regulations (ACS), available in different lengths.

### TECHNICAL SPECIFICATIONS

Power range:	0,25 kW
Voltage range:	3x380 - 415V / 50 Hz
Voltage tolerance 50Hz from nominal:	+6% / -10% U <sub>N</sub>
Degree of protection:	IP 68
Insulation:	Cl. B
Rated ambient temperature:	max 30° C
Required cooling flow:	min 8 cm/sec
Maximum quantity of suspended sand:	120 g/m <sup>3</sup>
Maximum starts/h:	20, equally distributed
Mounting:	vertical/horizontal
Maximum immersion depth:	150 m
Allowed range of water PH:	6,4 - 8,0
Outlet diameter:	1" 1/4 G-F
Maximum delivery (Q):	4.200 l/h
Maximum head (H):	50 m
Overload protection requirements according to:	EN 60947-4-1 trip time < 10 sec. at 5xI <sub>N</sub>



380-415 V	Model	Power		P.C.*	C.C.**	Hydraulic performance (n~2.850 min <sup>-1</sup> )													Cable 1,5 m		Cable 15 m		Cable 30 m	
		kW	HP			In (A)	m <sup>3</sup> /h	0	0,36	0,6	1,2	1,5	1,8	2,4	3	4,2	CODE	CODE	CODE	CODE				
Upper head and lower support in STAINLESS STEEL	X.1-5.HTH	0,25	0,33	240	0,55	31,4	30	27,8	18,3	11,3								184100105	184100105L	184100105L1				
	X.1-8.HTH	0,25	0,33	360	0,70	50,2	48	44,4	29,2	18								184100108	184100108L	184100108L1				
	X.2-3.HTH	0,25	0,33	240	0,55	19,2		18,7	16,9	15,7	14,1	10,2						184100203	184100203L	184100203L1				
	X.2-5.HTH	0,25	0,33	360	0,70	32		31,2	28,2	26,2	23,5	17						184100205	184100205L	184100205L1				
	X.3-3.HTH	0,25	0,33	270	0,59	16,7			15,6	15,2	14,7	13,5	11,9	6,9				184100303	184100303L	184100303L1				
	X.3-5.HTH	0,25	0,33	425	0,77	27,8				26	25,3	24,5	22,5	19,8	11,4			184100305	184100305L	184100305L1				
Upper head and lower support in TECHNOPOLYMER	P.1-5.HTH	0,25	0,33	240	0,55	31,4	30	27,8	18,3	11,3								184101105	184101105L	184101105L1				
	P.1-8.HTH	0,25	0,33	360	0,70	50,2	48	44,4	29,2	18								184101108	184101108L	184101108L1				
	P.2-3.HTH	0,25	0,33	240	0,55	19,2		18,7	16,9	15,7	14,1	10,2						184101203	184101203L	184101203L1				
	P.2-5.HTH	0,25	0,33	360	0,70	32		31,2	28,2	26,2	23,5	17						184101205	184101205L	184101205L1				
	P.3-3.HTH	0,25	0,33	270	0,59	16,7			15,6	15,2	14,7	13,5	11,9	6,9				184101303	184101303L	184101303L1				
	P.3-5.HTH	0,25	0,33	425	0,77	27,8				26	25,3	24,5	22,5	19,8	11,4			184101305	184101305L	184101305L1				

\*Power consumption \*\*Current consumption