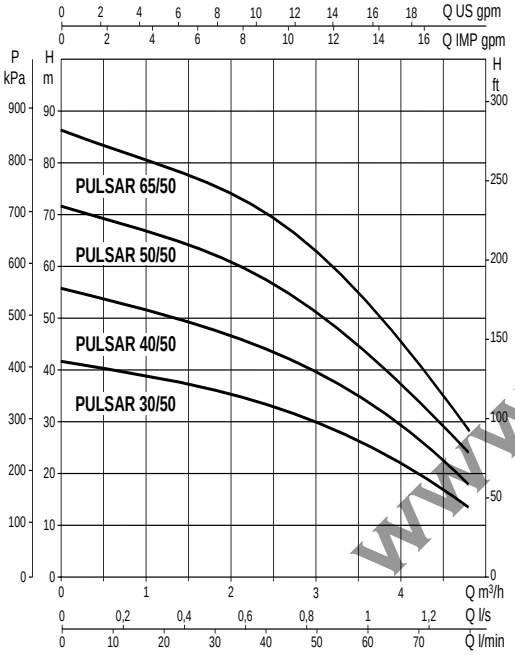
DAB
PUMP PERFORMANCE

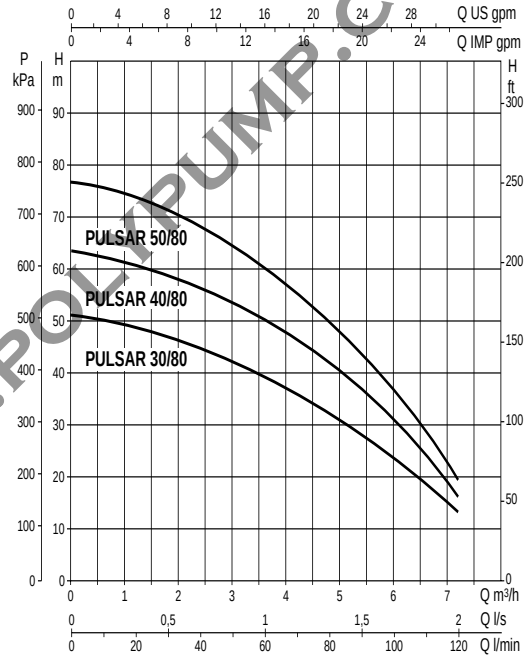
PULSAR
5” BORE-HOLE PUMPS

CE

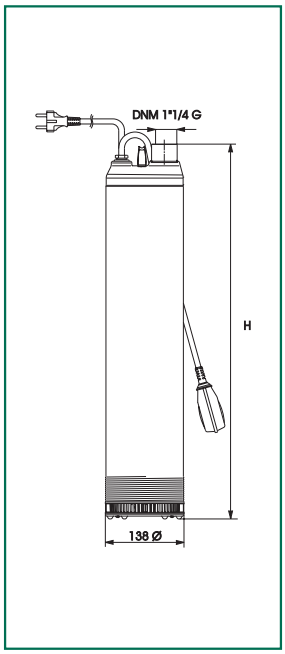
The single-piece 5” bore-hole electric pump, installed inside collecting tanks or wells, 6” septic tanks, Roman wells, basins or watercourses, is suitable for providing pressurised water in domestic systems, small-scale farming and sprinkling systems for gardens and vegetable gardens. The pump is particularly silent and is used inside wells or tanks to prevent suction and turn off problems. Single-piece multi-stage bore-hole pump with hydraulic assembly positioned under the motor which is cooled by the pumped liquid. The thermoplastic impellers and diffusers offer high abrasion resistance. Stainless steel drive shaft and bolts and screws. External casing in AISI 304 stainless steel.
Double sealing system comprising a silicon carbide/silicon carbide mechanical seal on the pump side and a ceramic/carbon on the motor side. The mechanical seal is lubricated by the motor coolant.
Stator of the motor incorporated in an AISI 304 stainless steel airtight casing with a cover housing the cables and condenser. Incorporated thermal current protection and permanently connected condenser in the single-phase version. As regards three-phase protection, a motor overload cut out should be fitted, in accordance with current standards.
The single-phase versions can be supplied with or without floats for automatic operation.
Operating range: from 0,9 up to a maximum of 7,2 m^3/h with a head up to 86 m.
Pumped liquid: clean water in general; max contant of sand 50 gr/m^3.
Maximum liquid temperature: 40°C
Maximum immersion depth: 20 m.
Motor protection level: IP68
Insulation class: F
All pumps are supplied with 20 mt. of H07-R NF power cable as a standard.
Continuous service with the pump completely under water.

HYDRAULIC DATA





DIMENSIONS AND WEIGHTS



MODEL	ELECTRICAL DATA							HYDRAULIC DATA								DIMENSIONS AND WEIGHTS								
	VOLTAGE 50 Hz	P1 kW	P2 kW	P2 HP	In A	CAPACITOR µF	CAPACITOR Vc	Q m^3/h / l/min	0 / 0	1,2 / 20	2,4 / 40	3,6 / 60	4,8 / 80	6 / 100	7,2 / 120	H	PACKAGING DIMENSIONS L/A	PACKAGING DIMENSIONS L/B	PACKAGING DIMENSIONS H	VOLUME m^3	WEIGHT Kg MA	WEIGHT Kg MNA	WEIGHT Kg TNA
PULSAR 30/50 M	1 x 220-240 V~	0,94	0,55	0,75	4,4	16	450		42	38,2	33,8	24,8	13,5			562	690	220	165	0,025	17,3	16,7	17,3
PULSAR 30/50 T	3 x 400 V~	0,87	0,55	0,75	1,65	-	-																
PULSAR 40/50 M	1 x 220-240 V~	1,12	0,75	1	5,2	16	450		56	51	45	33	18			562	690	220	165	0,025	17,5	17	17,5
PULSAR 40/50 T	3 x 400 V~	1,03	0,75	1	1,85	-	-																
PULSAR 50/50 M	1 x 220-240 V~	1,45	1	1,36	6,5	25	450		72	65,5	58	43,6	24,5			630	690	220	165	0,025	18,5	18	18,5
PULSAR 50/50 T	3 x 400 V~	1,35	1	1,36	2,4	-	-																
PULSAR 65/50 M	1 x 220-240 V~	1,70	1,2	1,6	7,8	30	450	H (m)	86	78,5	70	52,8	29			657	690	220	165	0,025	19,5	19	19,5
PULSAR 65/50 T	3 x 400 V~	1,60	1,2	1,6	2,9	-	-																
PULSAR 30/80 M	1 x 220-240 V~	1,12	0,75	1	5,2	16	450		51	48,2	44,8	39,2	32,4	23,5	13	562	690	220	165	0,025	7,5	17	17,5
PULSAR 30/80 T	3 x 400 V~	1,03	0,75	1	1,85	-	-																
PULSAR 40/80 M	1 x 220-240 V~	1,45	1	1,36	6,5	25	450		64	61	56,8	50	41,5	30,5	16,2	630	690	220	165	0,025	18,5	18	18,5
PULSAR 40/80 T	3 x 400 V~	1,35	1	1,36	2,4	-	-																
PULSAR 50/80 M	1 x 220-240 V~	1,70	1,2	1,6	7,8	30	450		77	73,2	68	60	50	37	19,6	657	690	220	165	0,025	19,5	19	19,5
PULSAR 50/80 T	3 x 400 V~	1,60	1,2	1,6	2,9	-	-																

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