DAB
PUMP PERFORMANCE

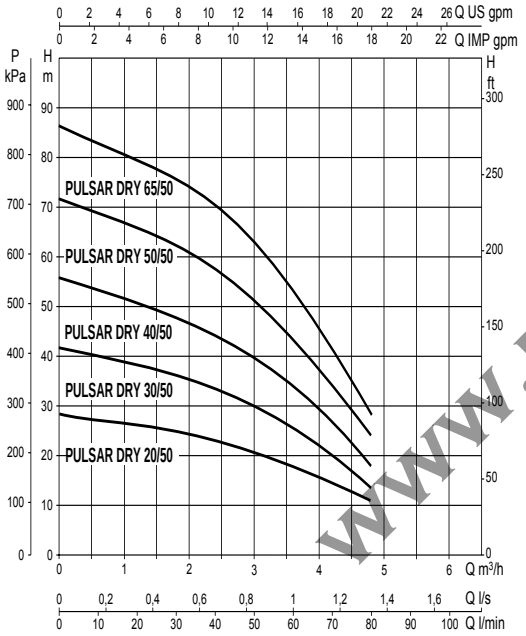
PULSAR DRY
SUBMERSIBLE PUMPS

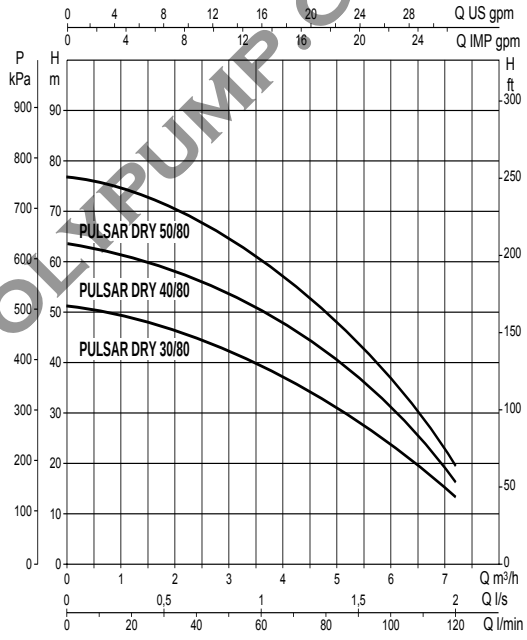
CE

The PULSAR DRY pumps are used in lifting and pressurisation systems for water from primary collection tanks or wells and are suitable for providing pressurised water in domestic systems, small-scale farming and sprinkler systems for gardens and vegetable gardens. The pump is extremely silent and this feature makes it suitable for use with pressurisation systems in unventilated rooms or in areas prone to flooding. Single-piece multi-stage bore-hole pump or of surface with hydraulic assembly positioned under the motor which is cooled by the pumped liquid. Impellers, diffusers, filter and oil sump in abrasion-proof thermoplastic. Pump liner, stator sleeve, upper head with sleeve and sealing ring in AISI 304 steel. Upper and lower bearing supports in dezincification-proof pressed brass. Rotor shaft extension in AISI 304. Elastomers in NBR. Stainless steel hardware. Double mechanical seal separated by an oil chamber, in ceramic/carbon on the motor side and carburundum/carburundum on the pump side. The sealing system ensures the motor remains airtight and the mechanical seal holds even after brief periods of no-water operation.
Continuous service asynchronous submersible motor. Stator incorporated in an AISI 304 stainless steel airtight casing with a cover housing the cables and capacitor. Rotor mounted on oversized ball bearings to ensure silent running and long life. Incorporated thermal current protection and permanently connected capacitor in the single-phase version. As regards three-phase protection, a motor overload cut out should be fitted, in accordance with current standards. Built to IEC 2-3 and IEC 61-69 (EN 60335-2-41).

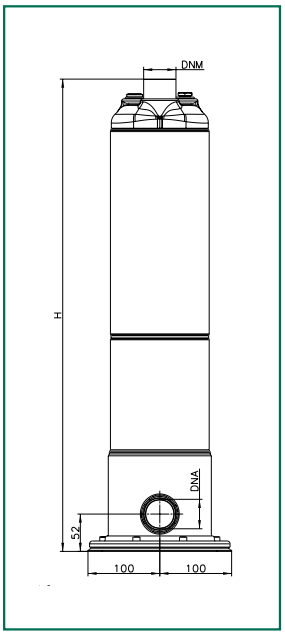
Operating range: from 0.9 to 7.2 m^3/h with a head of up to 86 m
Max. quantity of sand in water: 50 gr/m^3
Protection level of motor: IP 68
Protection class of motor: F
Liquid temperature range: da 0°C a +40°C
Maximum depth of immersion: 20 metres
Standard cables: 15 m of HO7 RNF cable complete with SCHUKO EEC 7-VII-UNEL 47166-68 plug for the single-phase version. The single-phase versions can be supplied with or without floats for automatic operation.

HYDRAULIC DATA





DIMENSIONS AND WEIGHTS



MODEL	ELECTRICAL DATA							HYDRAULIC DATA								DIMENSIONS AND WEIGHTS							
	VOLTAGE 50 Hz	P1 kW	P2		In A	CAPACITOR		Q m^3/h	0	1,2	2,4	3,6	4,8	6	7,2	H	PACKAGING DIMENSIONS			VOLUME m^3	WEIGHT Kg		
			kW	HP		µF	Vc	l/min	0	20	40	60	80	100	120		L/A	L/B	H		MA	MNA	TNA
PULSAR DRY 20/50 M-NA	1 x 220-240 V~	0,78	0,55	0,75	3,7	20	450	H (m)	29	27	23,2	17,2	10,3			603	780	240	265	0,049	-	16,5	17
PULSAR DRY 20/50 T-NA	3 x 400 V~	0,60	0,55	0,75	1,62	-	-																
PULSAR DRY 30/50 M-NA	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	0,049	-	16,7	17,3
PULSAR DRY 30/50 T-NA	3 x 400 V~	0,87	0,55	0,75	1,65	-	-																
PULSAR DRY 40/50 M-NA	1 x 220-240 V~	1,12	0,75	1	5,2	16	450		56	51	45	33	18			562	690	220	165	0,049	-	17	17,5
PULSAR DRY 40/50 T-NA	3 x 400 V~	1,03	0,75	1	1,85	-	-																
PULSAR DRY 50/50 M-NA	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	0,049	-	18	18,5
PULSAR DRY 50/50 T-NA	3 x 400 V~	1,35	1	1,36	2,4	-	-																
PULSAR DRY 65/50 M-NA	1 x 220-240 V~	1,70	1,2	1,6	7,8	30	450		86	78,5	70	52,8	29			657	690	220	165	0,049	-	19	19,5
PULSAR DRY 65/50 T-NA	3 x 400 V~	1,60	1,2	1,6	2,9	-	-																
PULSAR DRY 30/80 M-NA	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	0,049	-	17	17,5
PULSAR DRY 30/80 T-NA	3 x 400 V~	1,03	0,75	1	1,85	-	-																
PULSAR DRY 40/80 M-NA	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	0,049	-	18	18,5
PULSAR DRY 40/80 T-NA	3 x 400 V~	1,35	1	1,36	2,4	-	-																
PULSAR DRY 50/80 M-NA	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	0,049	-	19	19,5
PULSAR DRY 50/80 T-NA	3 x 400 V~	1,60	1,2	1,6	2,9	-	-																

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