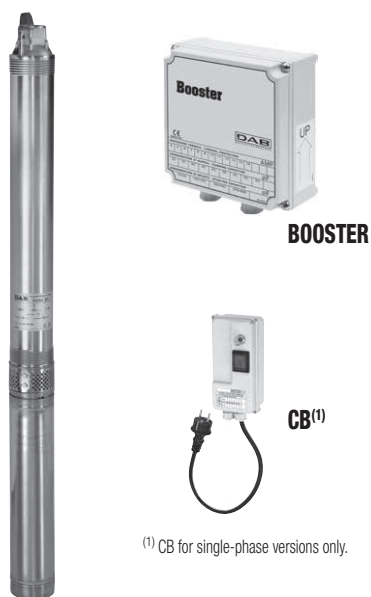




⁽¹⁾ CB for single-phase versions only.

TECHNICAL DATA

Flow rate maximum: from 0,3 m³/h to 2,7 m³/h

Head up to: 90 m

Maximum immersion depth: 150 m

Type of pumped liquid: clean, free from solid or abrasive substances, non-viscous, non-aggressive, non-crystallized and chemically neutral

Maximum permissible sand quantity: 40 g/m³

Liquid temperature range: da 0°C a +35°C

Flanges, thread: 1"

Pump maximum diameter: 74 mm

Impeller/s: Technopolymer

Maximum number of starts: 20/h

Protection class: IP 68

Motor insulation class: F

Single phase power input: 230 V 50 Hz

Three phase power input: 3x400 V 50 Hz

Power cable (m) and plug:

Micra 50: 1 m

Micra 75: 1,2 m

Micra 100: 1,4 m

Possible type of installation: in vertical position. If it is installed in horizontal position it is necessary to ensure a minimum load on the thrust unit

Special versions on request: different voltage and power

3" multi-impeller submersible pump for pressurization, drawing water from the subsoil, gardening and irrigation activities in domestic and residential applications. Ready-to-use pump kit available, including single-phase pump with 15 meter cable and dual-capacitor control panel to optimise pump tick torque.

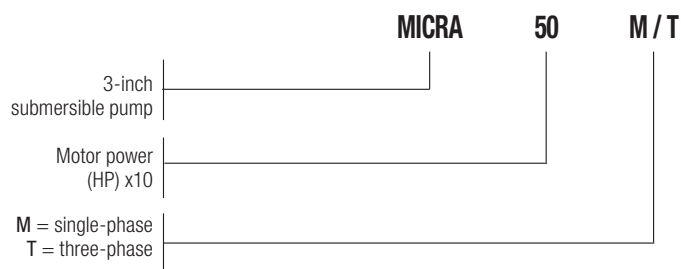
CONSTRUCTION FEATURES OF THE PUMP

Pump and motors coupled directly via rigid coupling. Impellers and spacers in technopolymer and diffusers in self-lubricating polyacetal. Pump jacket, shaft, joint, filter and cable cover in stainless steel. Suction support and upper head in brass with non-return valve incorporated in the head.

CONSTRUCTION FEATURES OF THE MOTOR

Two-pole asynchronous submersible electric motor, completely built in AISI 304 stainless steel, brass supports. Copper cage rotor mounted on a Kingsbury type thrust unit. The cooling of the thrust unit and bushings is guaranteed by the water. The stator is immersed in insulating thermosetting resin with high heat dissipation capacity and encapsulated in an airtight stainless steel casing. Removable power cord. Control panel for single-phase version supplied separately. Protection by the user in the three-phase version.

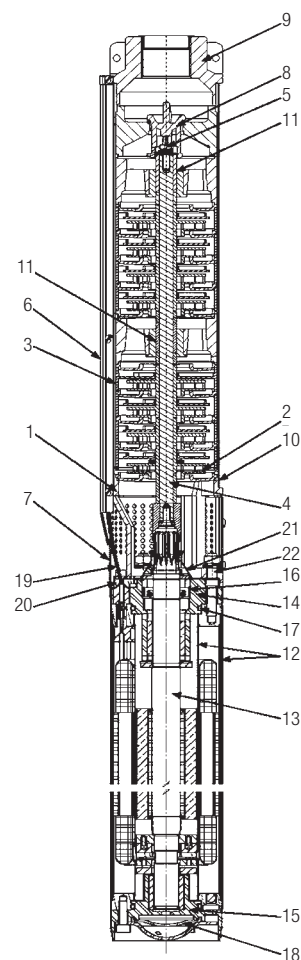
– Denomination index: (example)



MATERIALS

N.	PARTS*	MATERIALS
PUMP		
1	BASE SUPPORT	BRASS OT58
2	IMPELLER	NORYL GFN2
3	DIFFUSER	POLYACETYL
4	SHAFT WITH COUPLING	AISI 430F
5	LOCKING NUT	AISI 304
6	CABLE SHEATH	AISI 430
7	STRAINER	AISI 430
8	VALVE	POLYACETYL
9	DELIVERY BODY	BRASS OT58
10	PUMP LINER	AISI 304
11	BUSHES	AISI 316L

N.	PARTS*	MATERIALS
MOTOR		
12	INTERNAL AND OUTER LINER	AISI 304
13	SHAFT	AISI 431
14	UPPER SUPPORT	BRASS OT58
15	LOWER SUPPORT	BRASS OT58
16	LIP SEAL	NBR
17	GASKETS	NBR
18	BELLOW SEAL	EPDM
19	CABLE	EPDM
20	CONNECTOR PLUG	AISI 304
21	SAND GUARD	NBR
22	SCREWS	AISI 304



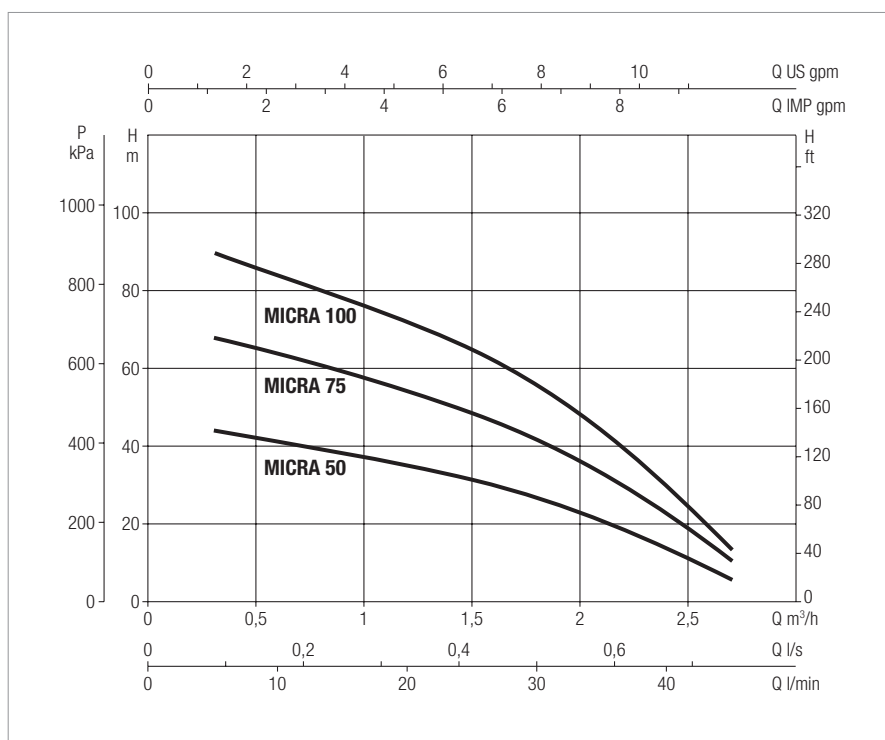
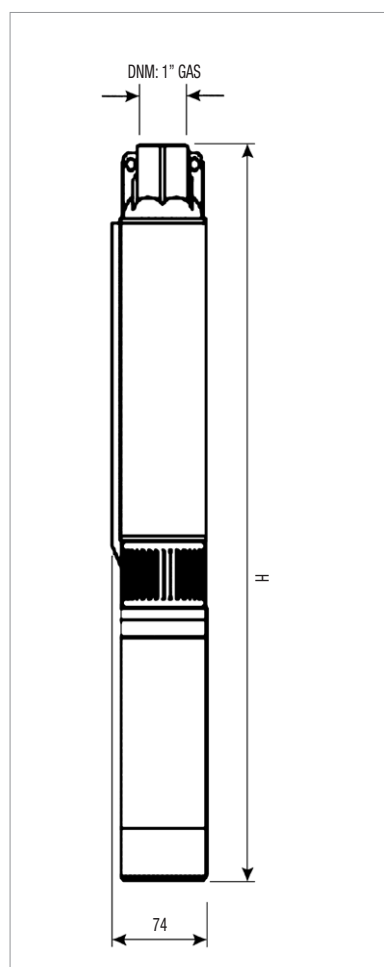
* In contact with the liquid.

PERFORMANCE AT 50 Hz

MODEL	ELECTRICAL DATA		HYDRAULIC DATA									
	P2 NOMINAL		Q=m³/h	0,3	0,6	0,9	1,2	1,5	1,8	2,1	2,4	2,7
	kW	HP	Q=l/min	5	10	15	20	25	30	35	40	45
MICRA 50 M	0,37	0,5	H (mt)	45	41	38	35	31	27	21	14	6
MICRA 75 M	0,55	0,75		68	64	59	54	48	42	33	23	11
MICRA 75 T	0,55	0,75		68	64	59	54	48	42	33	23	11
MICRA 100 M	0,75	1		90	84	78	72	65	56	44	30	14
MICRA 100 T	0,75	1		90	84	78	72	65	56	44	30	14
MICRA 50 M + 15 mt. CABLE + CONTROL BOX (CBS 05) ¹	0,37	0,5		45	41	38	35	31	27	21	14	6
MICRA 75 M + 15 mt. CABLE + CONTROL BOX (CBS 06) ¹	0,55	0,75		68	64	59	54	48	42	33	23	11
MICRA 100 M + 15 mt. CABLE + CONTROL BOX (CBS 07) ¹	0,75	1		90	84	78	72	65	56	44	30	14

ELECTRICAL DATA AND DIMENSIONS

MODEL	ELECTRICAL DATA							Ø mm	H mm	PACKING DIMENSIONS		WEIGHT Kg
	POWER INPUT 50 Hz	P1 kW	P2 NOMINAL		In A	CAPACITOR				Ø	H	
			kW	HP		µF	Vc					
MICRA 50 M	1 x 230 V ~	0,65	0,37	0,5	3,3	12	450	74	930	86	1150	9
MICRA 75 M	1 x 230 V ~	0,95	0,55	0,75	5,1	16	450	74	1145	86	1350	10,2
MICRA 75 T	3 x 400 V ~	0,9	0,55	0,75	1,9	-	-	74	1145	86	1350	10,2
MICRA 100 M	1 x 230 V ~	1,2	0,75	1	6,1	20	450	74	1390	86	1600	13,6
MICRA 100 T	3 x 400 V ~	1,15	0,75	1	2,4	-	-	74	1390	86	1600	13,6
MICRA 50 M + 15 mt. CABLE + CONTROL BOX (CBS 05) ¹	1 x 230 V ~	0,65	0,37	0,5	3,3	12	450	74	930	86	1150	12,7
MICRA 75 M + 15 mt. CABLE + CONTROL BOX (CBS 06) ¹	1 x 230 V ~	0,95	0,55	0,75	5,1	16	450	74	1145	86	1350	14,1
MICRA 100 M + 15 mt. CABLE + CONTROL BOX (CBS 07) ¹	1 x 230 V ~	1,2	0,75	1	6,1	20	450	74	1390	86	1600	16,4



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