

4" DAB MOTORS



Two-pole, asynchronous submerged electric motor, built in AISI 304 stain-less steel. Rotor mounted on self-centring thrust block bearing suitable for receiving axial loads. The bearing and the bushings are water-cooled so as to prevent dangers of pollution. The stator is closed inside a sealed stainless steel casing filled with a mixture of ARGON-based inert gases.

In the single-phase version the capacitor and the manually resettable amperometric protection are fitted on the electrical panel, supplied separately.

Protection for the three-phase version to be provided by the user.

Flanging NEMA - 4"

Protection level: IP 58

Insulation class: F

Voltage: single-phase

220-230 V / 50 Hz

three-phase

400 v / 50 Hz - 230 v / 50 Hz

Constructional features of the motor

STATOR. The stator is encapsulated in a sealed AISI 304 stainless steel casing.

Insulation class F. It is designed to handle 40 starts/stops per hour and the single-phase version, up to 1.5 HP, incorporates a thermal switch designed to protect the motor in case of overloads or abnormal operating conditions.

POWER SUPPLY CABLE. All the motors are supplied as standard with a four-pole cable which can be quickly removed for easy assembly/disassembly of the motor or of part of the pump, without any risk of damage to the power cable itself.

SUPPORTS. The upper and lower supports are made of nickel-coated G22 cast iron, and are equipped with carbon-graphite bushings coated with AISI 304 stainless steel.

SET OF THRUST BEARINGS, 2000 N-3000 N-6000 N series.

Kingsbury thrust bearings, with stainless steel cushioning pads. Their special design and machining guarantee high reliability and long life. Different sets of thrust bearings are used according to the different powers installed:

from 0.5 Hp to 1.5 Hp: class 2000 N

from 2 Hp to 3 Hp: class 3000 N

from 4 Hp to 10 Hp: class 6000 N

ROTOR SHAFT, 2000 N-3000 N-6000 N series.

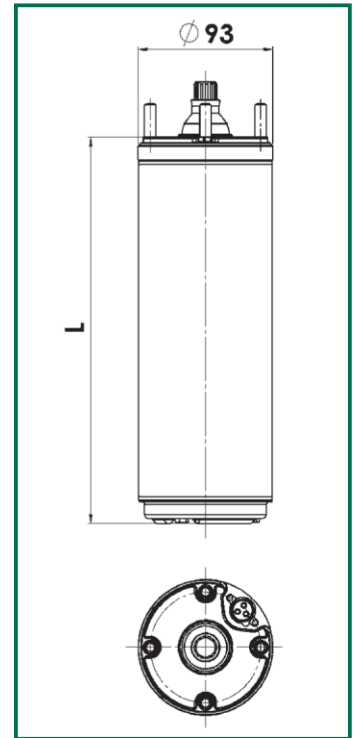
Stainless steel rotor shaft. The rotor is made of die-cast aluminium up to 3 Hp, copper for all motors from 4 Hp to 10 Hp.

CONTROL BOX. Electric panel for operation of single-phase motors, containing a manual-reset amperometric protection, a capacitor and a terminal board for the electrical connections and the connection of pressure and float switches.

Equipped with 1.5 m cable with SCHUCO EEC 7- UNEL 47166-168 plug. Wall-mounted case is made of self-extinguishing thermoplastic material.



	HP	kW	PHASE	AXIAL THRUST	L (mm)	WEIGHT (Kg)
SINGLE-PHASE	0,5	0,37	1	2000N	236	6,7
	0,75	0,55	1	2000N	266	8,0
	1	0,75	1	2000N	286	9,0
	1,5	1,1	1	2000N	331	11,0
	2	1,5	1	3000N	393	13,0
	3	2,2	1	3000N	413	13,8
	5	3,7	1	6000N	684	26,5
THREE-PHASE	0,5	0,37	3	2000N	216	6,0
	0,75	0,55	3	2000N	236	6,7
	1	0,75	3	2000N	266	8,0
	1,5	1,1	3	2000N	286	9,0
	2	1,5	3	3000N	348	11,0
	3	2,2	3	3000N	393	13,0
	4	3	3	6000N	544	19,7
	5,5	4	3	6000N	614	23,0
	7,5	5,5	3	6000N	684	26,6
	10	7,5	3	6000N	764	30,6



	P2 (hp)	P2 (kW)	VOLTAGE 50 Hz. (V)	IN (A)	P1 MAX (W)	R.P.M.	cosφ	EFF. η	Ia (A)	CAPACITOR μF
SINGLE-PHASE	0,5	0,37	230	3,3	0,7	2820	0,97	0,50	9	16
	0,75	0,55	230	4,6	1	2820	0,94	0,56	15	20
	1	0,75	230	6,2	1,3	2820	0,92	0,58	20	25
	1,5	1,1	230	8,6	1,8	2830	0,92	0,62	31	35
	2	1,5	230	11	2,3	2820	0,91	0,65	41	40
	3	2,2	230	16	3,5	2810	0,94	0,65	50	60
	5	3,7	230	25	5,5	2850	0,95	0,68	90	90

	P2 (hp)	P2 (kW)	VOLTAGE 50 Hz. (V)	IN (A)	P1 MAX (W)	R.P.M.	cosφ	EFF. η	Ia (A)	CONN.
THREE-PHASE	0,5	0,37	230	2,7	0,7	2820	0,70	0,53	10	Δ
	0,5	0,37	400	1,6	0,7	2820	0,70	0,53	6	Y
	0,75	0,55	230	3,3	0,9	2830	0,71	0,60	14	Δ
	0,75	0,55	400	1,9	0,9	2830	0,71	0,60	8	Y
	1	0,75	230	4,1	1,2	2830	0,73	0,63	21	Δ
	1	0,75	400	2,4	1,2	2830	0,73	0,63	12	Y
	1,5	1,1	230	5,7	1,7	2830	0,76	0,64	24	Δ
	1,5	1,1	400	3,4	1,7	2830	0,76	0,64	14	Y
	2	1,5	230	7,6	2,2	2830	0,72	0,68	33	Δ
	2	1,5	400	4,4	2,2	2830	0,72	0,68	19	Y
	3	2,2	230	10,2	3,2	2820	0,78	0,71	45	Δ
	3	2,2	400	5,9	3,2	2820	0,78	0,71	26	Y
	4	3	230	14,3	4,1	2840	0,71	0,74	66	Δ
	4	3	400	8,3	4,1	2840	0,71	0,74	38	Y
	5,5	4	230	17,3	5,3	2850	0,79	0,75	97	Δ
	5,5	4	400	10	5,3	2850	0,79	0,75	56	Y
	7,5	5,5	230	24,2	7,1	2850	0,74	0,77	133	Δ
	7,5	5,5	400	14	7,1	2850	0,74	0,77	77	Y
	10	7,5	400	17,4	9,5	2850	0,79	0,79	84	Y