



4W
50Hz 2900 RPM
Submersible Motor



An ISO 9001-2008 Certified Company



* Certification on approved models

Identification system for Pump

X	X	X	XXX	X	X	XX	
							No of Stage
							Design No
							Frequency 50= A / 60 = B
							Meter ³ / Hour
							M ix Flow / R adial Flow
							Material A =AISI316, B =AISI304
							C =Bronze, D = Cast Iron ,
							E = CF8, F = Cast 316, G =Eng. Plastic
							Bore Size in Inch

Example :-

4BR002AA-12

4= Bore size , B= AISI304 Stamp stainless steel grade.
 R = RADIAL FLOW , 002 = Discharge in M3/Hr. ,
 A = 50Hz , A = Design No. , 12 = No of Stage

Identification system for Motor

X	X	X	X	XX.X	XX	X	X
							Thrust (H igh / L ow)
							Frequency 50 / 60
							Voltage A=110,B=200,C=220 D=230,E=240,F=270,G=300 H=350,I=380,J=400,K=415 L=440,M=460,N=480,O=0 P=500,Q=520,R=550,S=580 T=600,U=660,V=675
							Motor Rating in Kw.
							No of Phase
							Material A=AISI316, B=AISI304 C=Brass, D= Cast Iron
							W ater fill , O il filled, R esin filled
							Bore Size in Inch

Examples :-

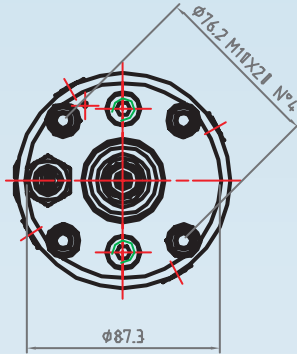
4WB101.1CE5H

4" Bore size , W water fill , B Cast Iron ,
 1 No of Phase , 01.1 Motor Rating ,
 CE Voltage 220 to 240 5 50 Hz., H High thrust

SINGLE PHASE SUBMERSIBLE MOTOR

(Control Box Required)

Overall Dimension & Weight

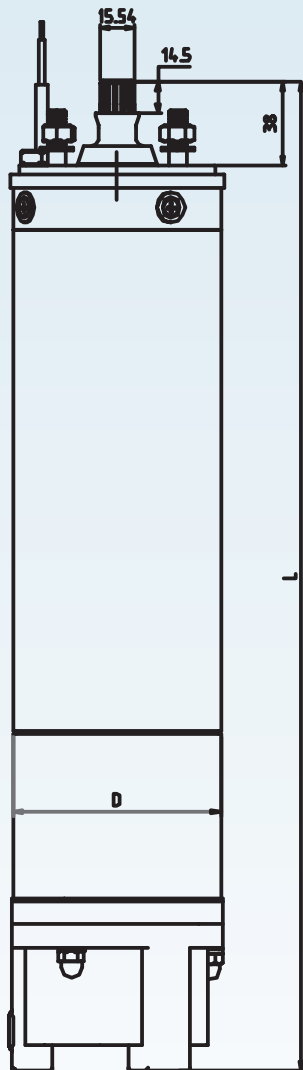


MOTOR TYPE	No of Pole	KW	H.P.	Over all Diminsion		Weight Kg *
				D	L	
4WB100.37CE5L	2	0.37	0.5	95mm	385mm	10.4
4WB100.55CE5L	2	0.55	0.8	95mm	420mm	12.5
4WB100.75CE5L	2	0.75	1.0	95mm	445mm	14
4WB101.1CE5L	2	1.10	1.5	95mm	505mm	17.6
4WB101.5CE5L	2	1.50	2.0	95mm	525mm	19.1
4WB102.2CE5L	2	2.20	3.0	95mm	595mm	21.1

* the weight of motor is for standard version.

THREE PHASE SUBMERSIBLE MOTOR

Overall Dimension & Weight



MOTOR TYPE	No of Pole	KW	H.P.	Over all Diminsion		Weight Kg *
				D	L	
4WB301.50IK5L	2	1.50	2.0	95mm	445mm	14.2
4WB302.2IK5L	2	2.2	3	95mm	505mm	17.8
4WB303.0IK5L	2	3	4	95mm	525mm	19.3
4WB304.0IK5L	2	4	5.5	95mm	595mm	21.3
4WB304.5IK5L	2	4.5	6	95mm	605mm	22.9
4WB305.5IK5L	2	5.5	7.5	95mm	635mm	24.4

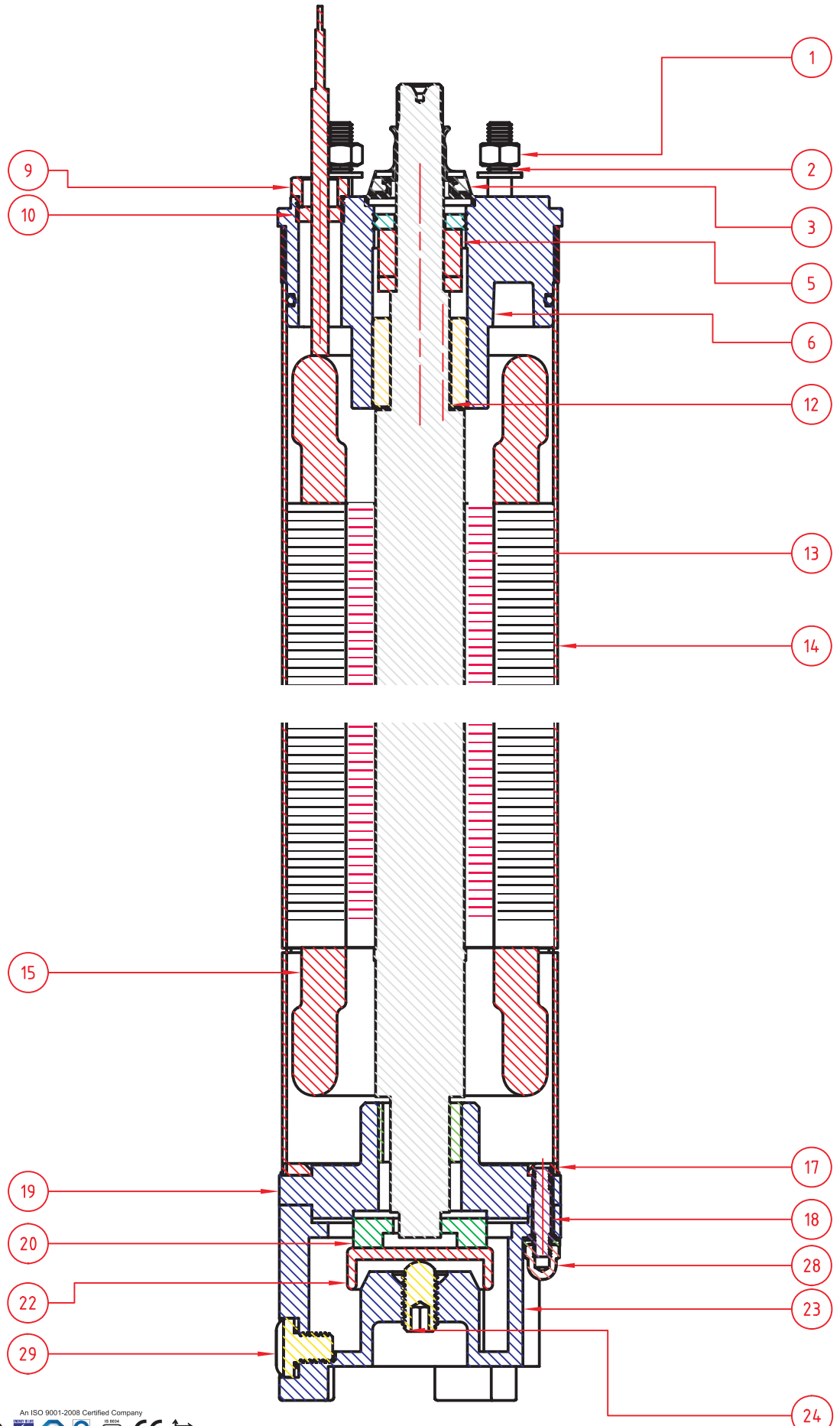
* the weight of motor is for standard version.

4W

CROSS SECTION



SUBMERSIBLE MOTOR CROSS SECTION VIEW



4WAL NEMA MOTORS. High thrust						
DESIGN CODE:- 4WAL-HT						
	Qty.	PARTS NAME	CAST IRON VERSION	BRONZE VERSION	STEEL VERSION	STEEL 316 VERSION
1	4	M8 NUT	Stainless steel	AISI 304	AISI 304	AISI 316
2	4	STUD (8X35)	Stainless steel	AISI 304	AISI 304	AISI 316
3	1	SAND SLINGER	NITRILE - BUTADIN RUBBER			
4	1	SAND COVER	AISI 304			AISI 316
5	1	MECANICAL SEAL	ALUMINA + GRAPHITE			
6	1	TOP HOUSING	Graded Casting	Bronze G CuSn10	CF8	AISI 316
7	2	DRAIN PLUG TOP SIDE	BRASS			AISI 316
8	4	CLAMP SRCEW	Stainless steel	AISI 304	AISI 304	AISI 316
9	1	CABLE LOCK NUT	BRASS			AISI 316
10	1	RUBBER GROMET	NITRILE - BUTADIN RUBBER			
11	1	RUBBER GROMET WASHER	Spring Steel	Spring Steel	Spring Steel	AISI 316
12	2/3	BUSH	BRONZE / CARBON			
13	1	ROTOR SHAFT	AISI 410	AISI - 431		
14	1	STATOR CASING	Stainless steel	AISI 304	AISI 304	AISI 316
15	ASSY	WINDING	PP + PE2			
16	2	BALANCING RING	Graded Casting	Brass		
17	1	STUD RING BOOTOM	Mild Steel			AISI 316
18	3	STUD	Stainless steel	AISI 304	AISI 304	AISI 316
19	1	BOTTOM HOUSING	Graded Casting	Bronze G CuSn10	CF8	AISI 316
20	1	TURUST PLATE	Resin & C40			
21	1	THRUST HOUSING	Graded Casting	AISI 304	AISI 304	AISI 316
22	3/4	THRUST PED	SS-420			
23	1	MOTOR BASE	Graded Casting	Bronze G CuSn10	CF8	AISI 316
24	1	ROCKER SUPPORT	Stainless steel	AISI 304	AISI 304	AISI 316
25	1	RUBBER DIAPHARAM	NITRILE - BUTADIN RUBBER			
26	1	DIAPHARAM PLATE	Stainless steel	AISI 304	AISI 304	AISI 316
27	4	CHEESE HEAD SCREW 5X10	Stainless steel	AISI 304	AISI 304	AISI 316

Application

- Agriculture / Irrigation
- Domestic / Industrial water supply
- High rise Buildings, Bungalows, and Complexes
- Farmhouses, Gardens, Nursery
- Pressure Boosting units
- Reverse Osmosis Plants

Coupling

The electric pump. The coupling flanging to the motor and shaft protrusion comply with the NEMA 1-18.388 standard.

Operating Specification

- Specific Gravity 1.02 to 1.04 max.
 - Chloride Cl^- ppm. (max.)
 - Turbidity 50 ppm. Silica scale (max.)
 - Allowable Solids 3000 ppm. (max.)
 - pH Value 6.5 to 8.5
 - Temperature 33 Deg. (max.)
 - Permissible Amt. Of Sand 25 Grams / Cu. Meters. (Max.)
- Fluid: chemically and mechanically non-aggressive, with a maximum solid substance content equal to the hardness and grain size of silt (25 g/m³) • Sense of rotation: anti-clockwise, looking from the delivery mouth.
- Installation: vertical / horizontal.