

RIX

C6/C8

**COLD WATER BOOSTER & GENERAL SERVICE
VERTICAL
MULTISTAGE CENTRIFUGAL PUMPS**



APPLICATION

Years of experience have enable RIX to achieve a highly successful balance between cost and quality of products. Materials used for construction are high grade cast iron, stainless steel, bronze, Ritzcon acetal resins, tungsten carbide and ceramics, which guarantee an exceptionally, long life in continuous services. The combined motor and pump form a neat compact unit which is simple to install and maintain. The C6/C8 ranges of pumps are designed for a wide range of application including:

- Water supply in high rise buildings
- Pressure boosting system
- Industrial water supply
- High pressure washing duties
- Boiler feeding etc.

RIX is able to provide all pipe fittings, pressure tanks and associated equipment along with electrical control gear for manual or automatic operation.

FEATURES

Reliable, efficient, quiet operation, easy Installation, low operating cost are just a few of the features brought about by our careful design and high standards of workmanship.

MOTOR

3 phase, totally Enclosed, fan Ventilated, Glass B Insulation Protection Class to IP44
Motor Mounting to IEC 34-7 & BS4999 face flange mountings

RiX motors are designed to supply their rated outputs at deviation of up to $\pm 5\%$ of the rated frequency. Voltage variation of up to $\pm 10\%$ is possible without overheating. Standard motors are available in 50/60 Hz 360V/380V/415V. All pumps are supplied complete with direct coupled motors.

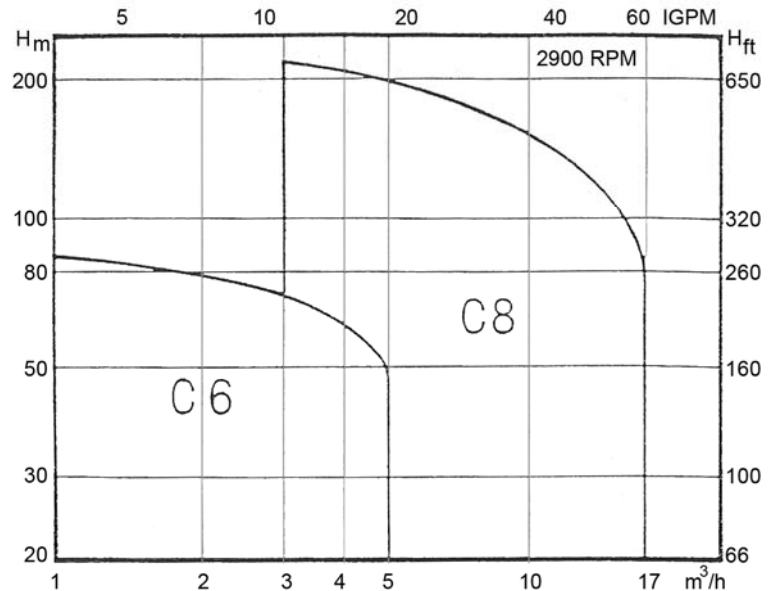
IMPELLER

Impellers are made of Ritzcon, an acetal copolymer resin, which has superior mechanical strength and is suitable for handling aggressive fluids through wide ranges of thermal and chemical environments. This material has been approved by the National Sanitation Foundation, U.S.A. for use in contact with potable water. It is suitable for continuous duty at temperature up to 100°C . The smooth hydraulic passage ensures maximum hydraulic efficiency. The inherent balance of the impellers and the low mass of the rotating assembly guarantee both smooth and quiet running.

PUMP

Vertical multistage design means greater saving in space and installation cost, avoids possible misalignment during installation, and provides free choice of suction and discharge flange positions. Pump casing can be epoxy lined for handling aggressive fluids. All tightening bolts and nuts are of stainless steel which ensure easy and simply service. All wear parts are replaceable and interchangeable.

PUMP RANGES



ELECTRICAL DATA

PUMP TYPE	RIX MOTOR 3 PHASE 50HZ			
	K.W.	H.P.	F.L.C. 360V amps	F.L.C. 415V amps
C6-3	0.37	0.5	1.0	0.9
C6-5	0.55	0.75	1.4	1.25
C6-7	0.75	1.0	1.8	1.6
C6-10	1.1	1.5	2.5	2.2
C6-14	1.5	2.0	3.5	3.0
C8-3	1.5	2.0	3.3	2.9
C8-5	2.2	3.0	5.4	4.8
C8-6	3.0	4.0	6.4	5.6
C8-8	4.0	5.5	8.3	7.2
C8-10	5.5	7.5	10.6	9.2
C8-12	5.5	7.5	12.3	10.7
C8-14	7.5	10.0	15.3	13.3
C8-16	7.5	10.0	17.0	14.8

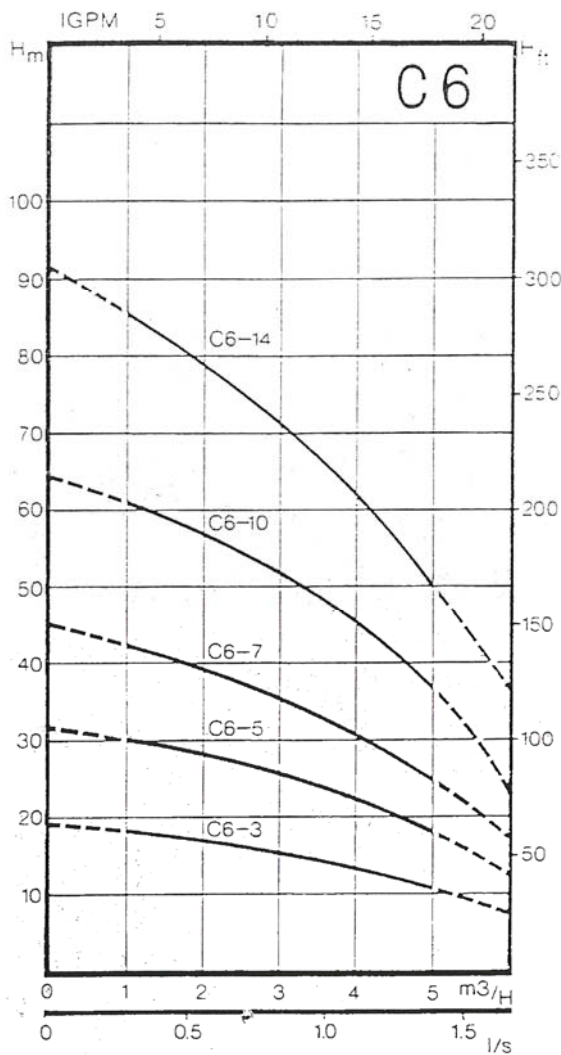
MATERIAL

Suction/Discharge Chamber, Pump Stages	High Grade Cast Iron	BS1452 G14 ASTM A48 CI 30
Shaft	Stainless Steel	AISA 304
Impeller	Ritzcon Acetal Resin	
Bush Bearing	Phosphor Bronze	BS1400:1973 PB1
Tie Bolts, Nuts & Washers	Stainless Steel	AISA 304
Mechanical Seal - Moving - Stationary - Seal Seat	Carbon/Tungsten Ceramic Nitrile rubber Vitron	below 40°C above 40°C

PUMP PERFORMANCE AT 2900 R.P.M.

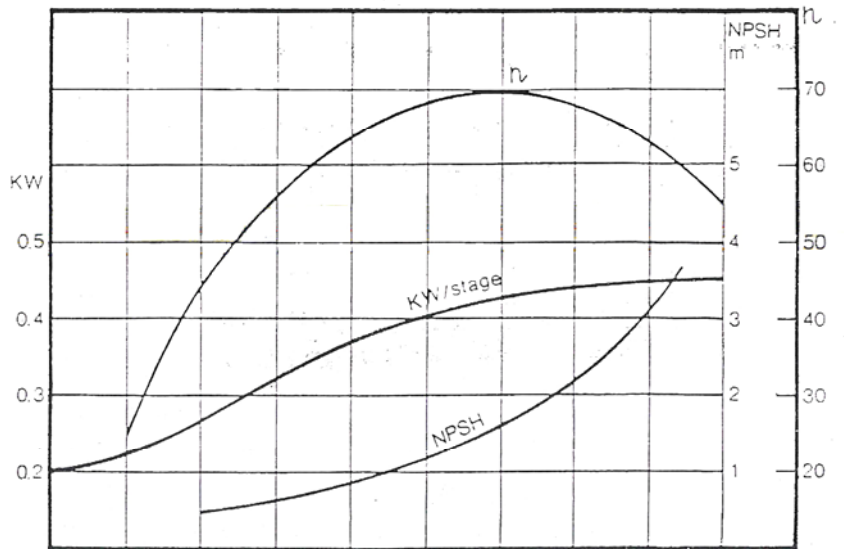
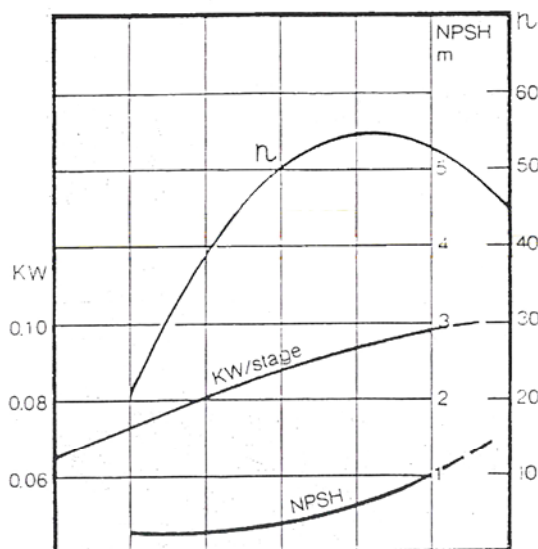
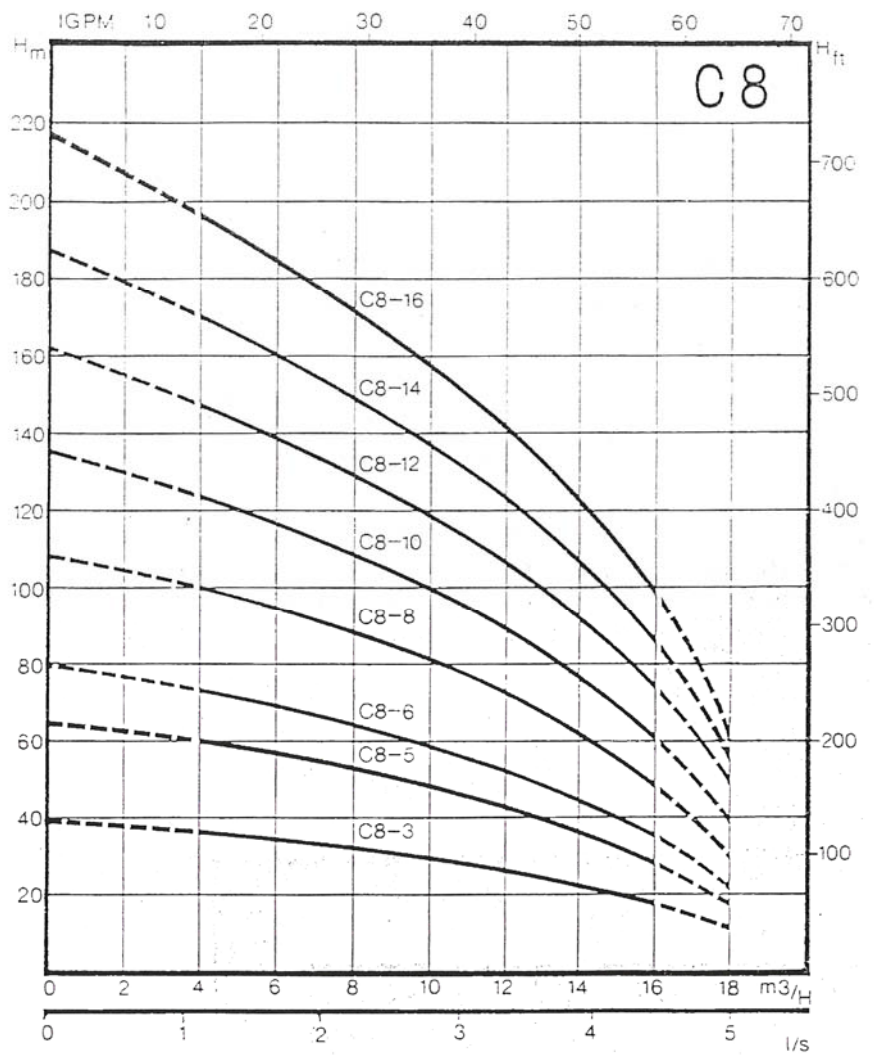
C6

Maximum Pressure 9 bars (130 p.s.i.)
Maximum Flow 7.5 m³/H (1650 I.G.P.H.)
Maximum Temperature 100 °C



C8

Maximum Pressure 21.4 bars (130 p.s.i.)
Maximum Flow 20 m³/H (4400 I.G.P.H.)
Maximum Temperature 100 °C



The performance curves are based on a pump speed of 2900 r.p.m. at ambient temperature and S.G. of 1.0 in accordance to ISO 2548 class C. They are for general guidance only, and where exact flow and heads are required, you are recommended to ask for confirmation from manufacturer

DIMENSIONS AND WEIGHT

PUMP TYPE	OVERALL DIMENSIONS (m.m.)									NET WEIGHT (Kg)	D
	H ₁	H ₂	H ₃	H ₄	ØA	W	B ₁	B ₂	ØS		
C6-3	60	249	314	530	170	190	130	75	14	26	G 1"
C6-5	60	319	384	600	170	190	130	75	14	28	G 1"
C6-7	60	389	454	710	170	190	130	75	14	34	G 1"
C6-10	60	494	559	840	170	190	130	75	14	40	G 1"
C6-14	60	634	699	984	170	190	130	75	14	44	G 1"
C8-3	87	308	403	653	260	300	180	115	20	55	G 2"
C8-5	87	390	485	795	260	300	180	115	20	63	G 2"
C8-6	87	431	526	856	260	300	180	115	20	75	G 2"
C8-8	87	513	608	963	260	300	180	115	20	84	G 2"
C8-10	87	595	690	1080	260	300	180	115	20	105	G 2"
C8-12	87	677	772	1162	260	300	180	115	20	110	G 2"
C8-14	87	759	854	1280	260	300	180	115	20	120	G 2"
C8-16	87	841	936	1360	260	300	180	115	20	125	G 2"

