BiANCO NXT pumps

TECHNICAL DATA KIT

MAX FLOW [M3/H]	2
MAX FLOW (LPM)	33
MAX HEAD	159
WORKING AIR TEMP	0*C – 40*C
LIQUID TEMPERATURE	-15*C – 120*C
MAXIMUM PUMP PRESSURE	33 Bar

PER PUMP SPECIFICATIONS

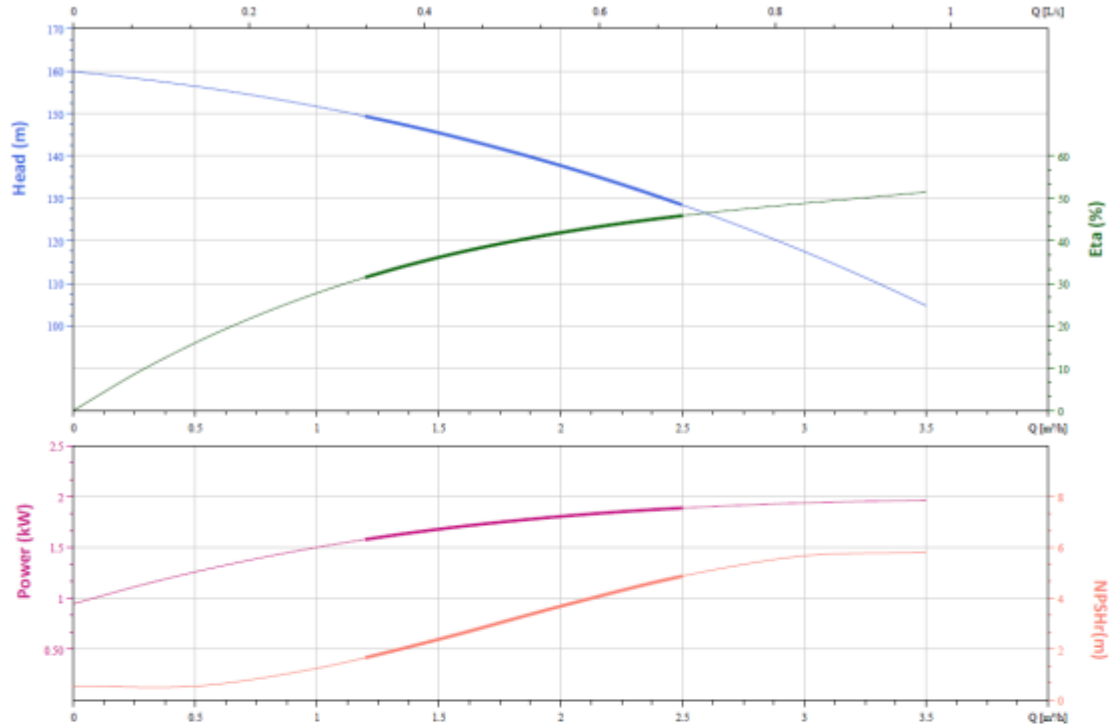|	
RATED VOLTAGE CURRENT	Three Phase 415V +10% - 6%
RATED CURRENT	4.41 AMPS
POWER (KW)	2.2 kW 2 Pole
CAPACITOR	N/A
MOTOR IP RATING	IP55
MOTOR INSULATION	Class F
MOTOR EFFECIENCY STD	IE3
MOTOR EFFECIENCY	85.9%
COS ø	0.85
MECHANICAL SEAL	AS-L-12
OUTLET DIN FLANGE	DN25

INCLUDES

- VMS Pump
- NXT Drive (Variable Frequency Drive)
- Counter Flange (In DN25 to DN65)
- Fiber Gasket to suit counter flanges
- Watermarked Spring Check Valve
- Manifold (304 Stainless Steel)
- Pressure Transducer
- 30 Bar Liquid Filled Pressure Gauge
- Galvanised Single/Double/Triple
- Ball Valve (304 Stainless Steel)
- Pressure Tank Included in Scope of Supply
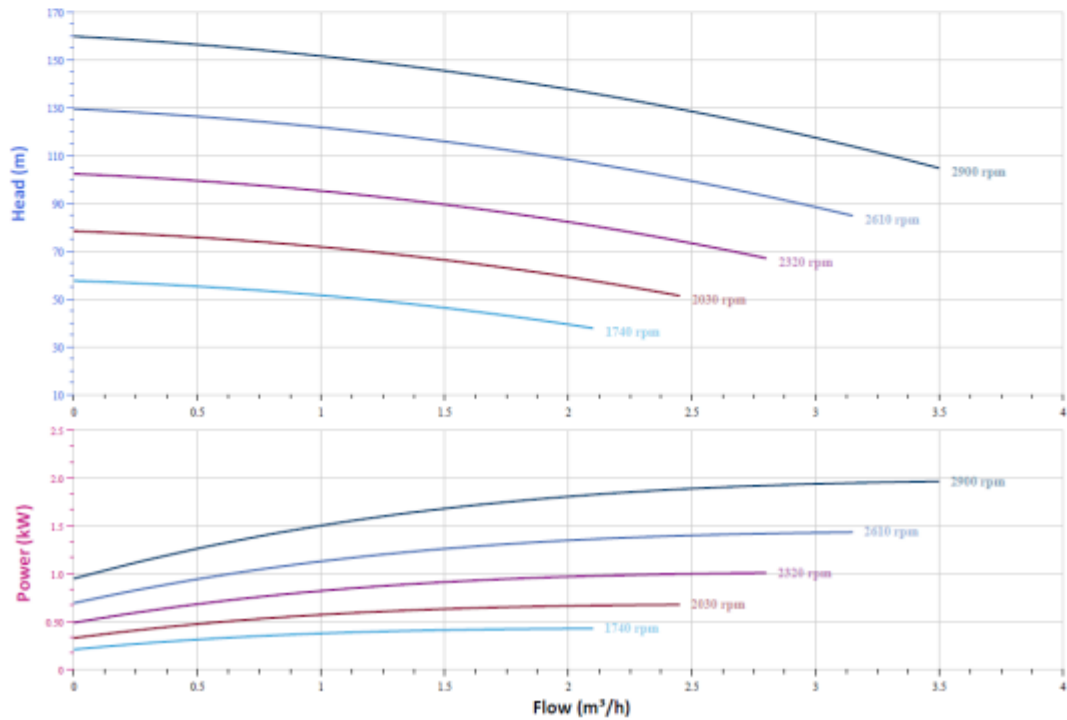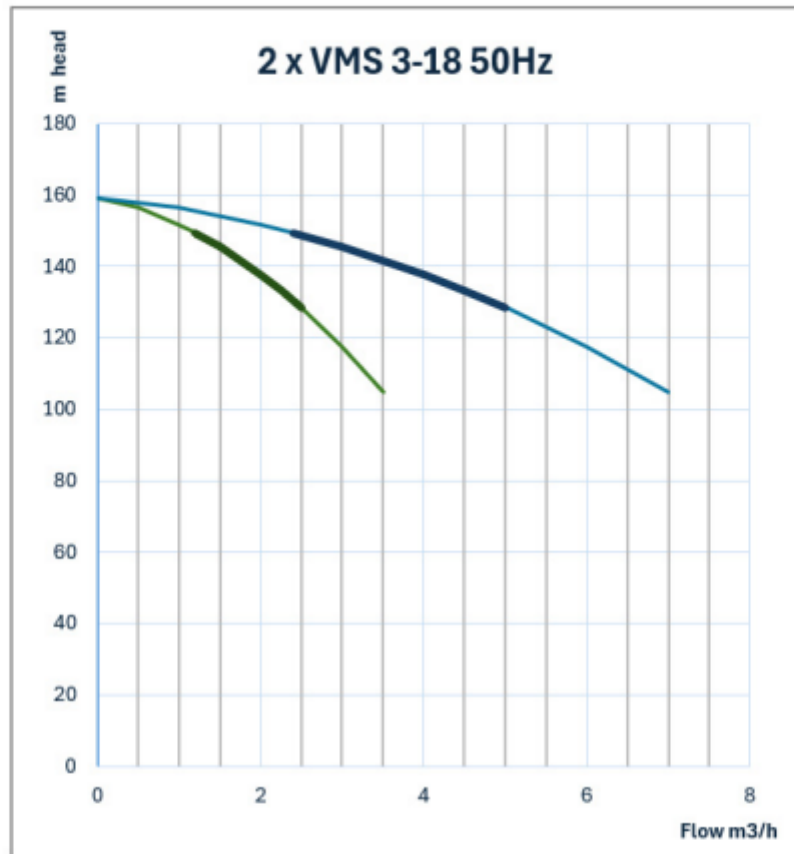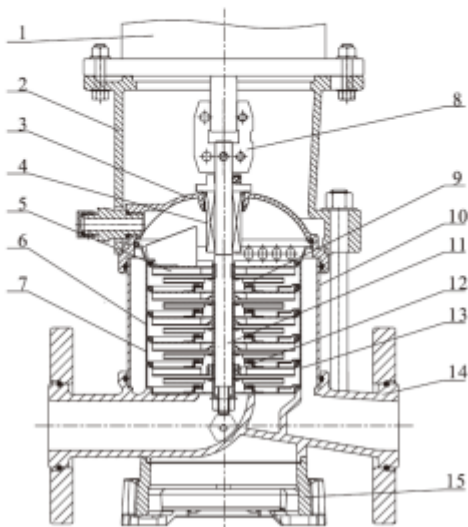- Braided Hose 20 Bar 1.5m 1" BSPF (10/6 only)

DIMENSIONS

Dual Base

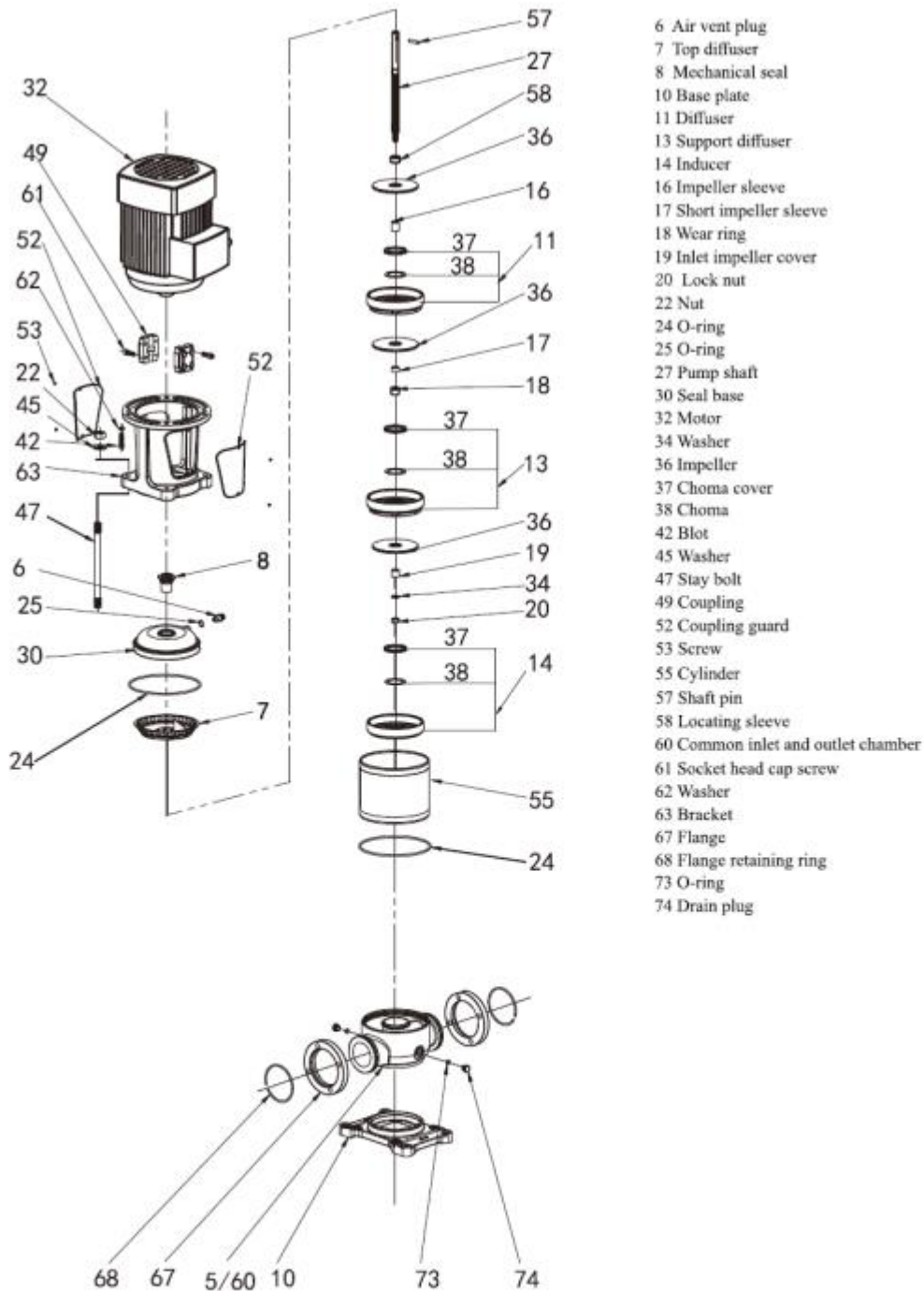406 350 35 25

5mm Galvanised sheet

4 holes ø10 ±0.1

30 1000

CURVE

VFD CURVE

BiANCO NXT pumps

DUAL PUMP CURVE

2 x VMS 3-18 50Hz
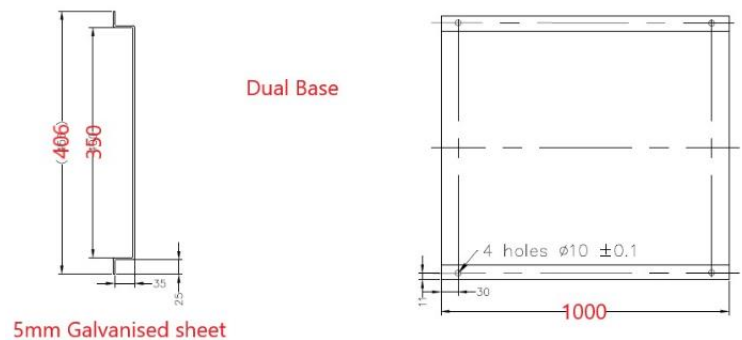
CUTAWAY AND MATERIALS

1	Motor	/
2	Bracket	Ductile Cast Iron
3	Seal Base	Stainless / Ductile Cast Iron
4	Mechanical Seal	AS-L-16
5	Top Diffuser	Stainless Steel
6	Diffuser	Stainless Steel
7	Support Diffuser	Stainless Steel
8	Coupling	Stainless Steel
9	Impeller	Stainless Steel
10	Cylinder	Stainless Steel
11	Shaft	Stainless Steel
12	Intermediate Bearing	SIC / WC
13	Inducer	Stainless Steel
14	Inlet/Outlet Chamber	Stainless Steel / Ductile Cast Iron
15	Base	Ductile Cast Iron

6 Air vent plug
7 Top diffuser
8 Mechanical seal
10 Base plate
11 Diffuser
13 Support diffuser
14 Inducer
16 Impeller sleeve
17 Short impeller sleeve
18 Wear ring
19 Inlet impeller cover
20 Lock nut
22 Nut
24 O-ring
25 O-ring
27 Pump shaft
30 Seal base
32 Motor
34 Washer
36 Impeller
37 Choma cover
38 Choma
42 Blot
45 Washer
47 Stay bolt
49 Coupling
52 Coupling guard
53 Screw
55 Cylinder
57 Shaft pin
58 Locating sleeve
60 Common inlet and outlet chamber
61 Socket head cap screw
62 Washer
63 Bracket
67 Flange
68 Flange retaining ring
73 O-ring
74 Drain plug

WARRANTY / CERTIFICATIONS

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