



DUTYPOINT.COM

VT COLD-WATER BOOSTER SET





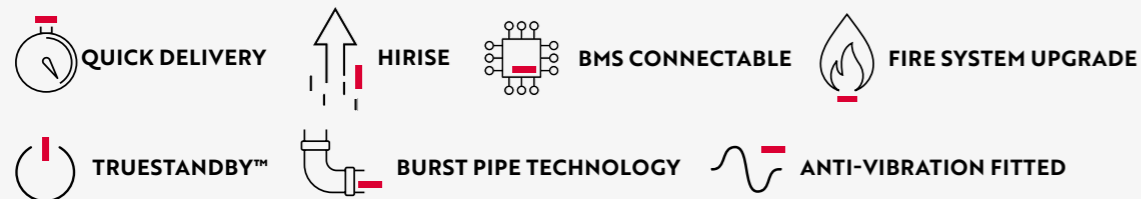
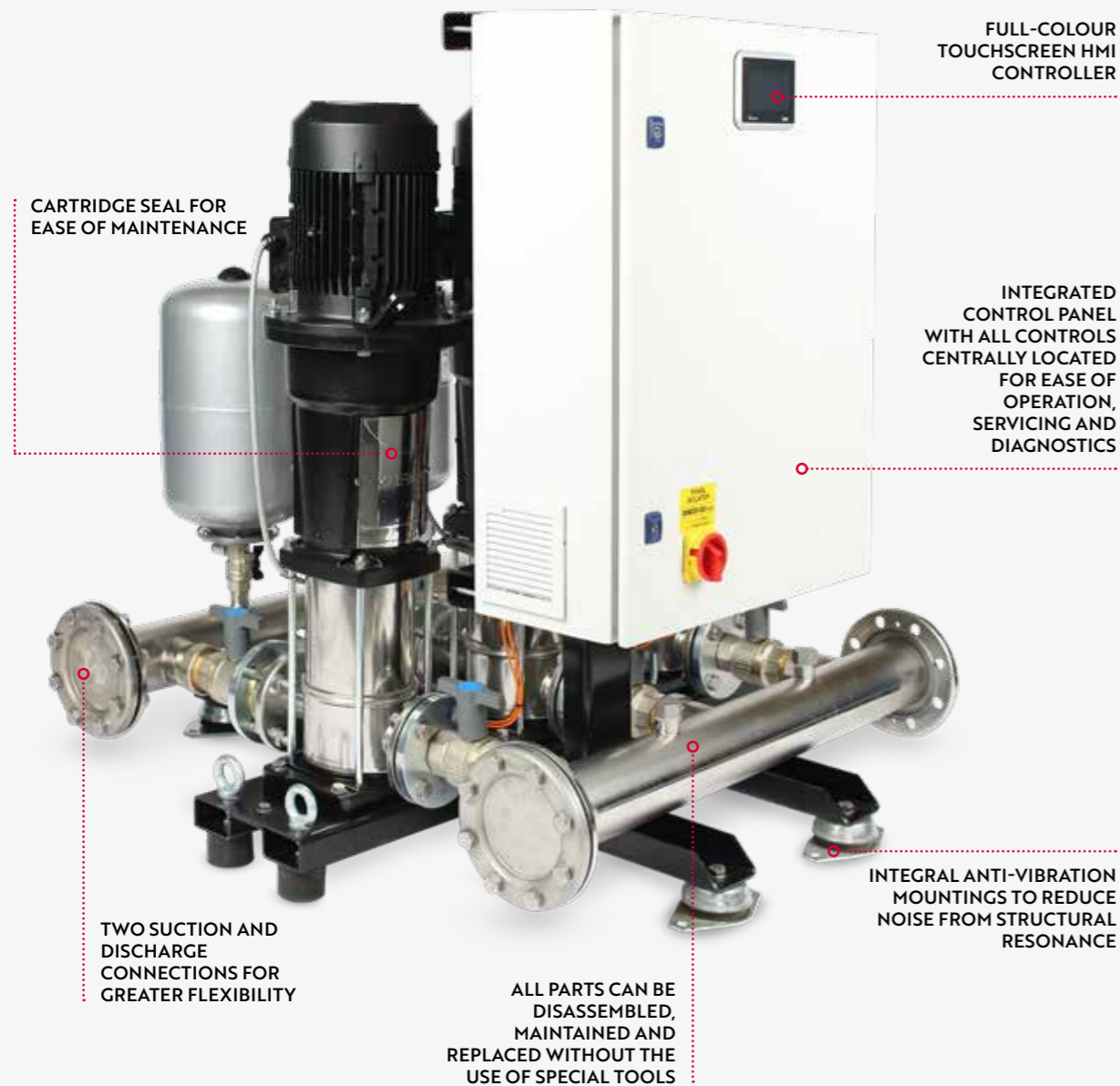
Medium-duty, variable-speed cold water booster sets.

PRODUCT OVERVIEW

- Assembled with two or three multistage pumps
- Integrated control panel with all controls centrally located for ease of operation
- Interface with building management system (BMS)
- Upgrade for combined domestic cold water and fire sprinkler available
- Ease of installation and commissioning
- 24-hour delivery on popular models



Key Features



Specification

The Dutorypoint VT booster set range is competitive, simple to maintain over its lifespan and meets the high-quality engineered product standards that the Dutorypoint ethos demands. We hold high volumes of these units in stock, so they are available quickly, making them the ideal solution for new and retrofit applications.

We've also designed the system to be user friendly with a full-colour touchscreen display and easily sourced standard parts.

PRODUCT OVERVIEW

- Multistage vertical pumps
- Low-water protection technology that deactivates the pumps if there is no water in the break tank, protecting against dry running
- Anti-vibration mounts reduce system noise
- Anti-seize technology during low or zero usage
- Burst pipe protection that constantly monitors the system for signs of major leakage
- Full-colour touchscreen display with clear error display and log
- IP55-rated control panel allows for simple and safe maintenance
- Cyclic duty changeover ensures even wear across pumps
- Common fault volt-free contact for connection to building management systems
- External start/stop contact for connection to external control systems
- RS485 connections for connection to Modbus

RANGE PERFORMANCE

Number of pumps	2 or 3
Flow range	0.75 - 23 l/s
Pressure range	2.5 - 10 bar
Max system pressure	15 bar
Controller type	Inverter integral to panel
Max system temperature	40°C
Noise data	Motor at 3600 rpm < 70LpA (dB +/-2)

*More specific details available on request.

MATERIAL SPECIFICATION

Manifolds	AISI 304 stainless steel
Isolation valves	Nickel-plated brass
Non-return valves	AISI 304 stainless steel
Pressure transducers	AISI 304 stainless steel
Pump casing	AISI 304 stainless steel
Pump impellers	AISI 304 stainless steel
Mechanical seals	Silicon carbide, graphite, EPDM
Pressure vessels	WRAS approved
Base plate	Powder-coated mild steel

VT2 - Twin Pump Duty/Standby Selector



PRESSURE REQUIRED (UNITS DISPLAYED IN LITRES PER SECOND)

2.5 bar		3.0 bar		3.5 bar		4.0 bar		4.5 bar		5.0 bar		6.0 bar		7.0 bar		8.0 bar		9.0 bar	
Ref	Flow rate	Ref	Flow rate	Ref	Flow rate	Ref	Flow rate	Ref	Flow rate	Ref	Flow rate	Ref	Flow rate	Ref	Flow rate	Ref	Flow rate	Ref	Flow rate
1	1.6	2	2.3	2	2.0	2	1.7	3	2.2	3	2.1	3	1.6	4	2	4	1.7	4	1.3
2	2.4	7	4.5	3	2.5	3	2.4	7	3.2	4	2.5	4	2.3	5	2.4	5	2.3	5	2.1
7	4.3	13	7.1	7	4.1	7	3.7	8	4.1	8	3.8	8	3	9	3.8	9	3.3	9	2.6
12	5.6	17	8.9	8	4.7	8	4.4	13	5.2	9	4.7	9	4.3	10	4.5	10	4.2	10	3.8
13	7.6			13	6.6	13	5.9	14	6.7	14	6.3	14	5.2						
16	8.1			14	7.5	14	7.1	17	7.2	17	6.4								
17	9.4			17	8.3	17	7.8												

VT MODEL

Ref	Model no.
1	VT2-05-007M/T
2	VT2-05-011M/T
3	VT2-05-015M/T
4	VT2-05-022M/T
5	VT2-05-030M/T
6	VT2-10-011M/T
7	VT2-10-022M/T
8	VT2-10-030M/T
9	VT2-10-040M/T
10	VT2-10-055T
11	VT2-15-015M/T
12	VT2-15-030M/T
13	VT2-15-040M/T
14	VT2-15-055T
15	VT2-20-022M/T
16	VT2-20-040M/T
17	VT2-20-055T

VT2 - Twin Pump Duty/Assist Selector



PRESSURE REQUIRED (UNITS DISPLAYED IN LITRES PER SECOND)

2.5 bar		3.0 bar		3.5 bar		4.0 bar		4.5 bar		5.0 bar		6.0 bar		7.0 bar		8.0 bar		9.0 bar	
Ref	Flow rate	Ref	Flow rate	Ref	Flow rate	Ref	Flow rate	Ref	Flow rate	Ref	Flow rate	Ref	Flow rate	Ref	Flow rate	Ref	Flow rate	Ref	Flow rate
1	3.3	2	4.6	2	4.1	2	3.3	3	4.4	3	4.1	3	3.2	4	4.1	4	3.4	4	2.7
2	4.9	7	9	3	5	3	4.8	7	6.4	4	5	4	4.6	5	4.8	5	4.6	5	4.2
7	8.6	13	14.2	7	8.3	7	7.4	8	8.3	8	7.7	8	6.1	9	7.7	9	6.6	9	5.2
12	11.1	17	17.8	8	9.3	8	8.8	13	10.3	9	9.4	9	8.6	10	9	10	8.4	10	7.7
13	15.1			13	13.3	13	11.8	14	13.3	14	12.7	14	10.4						
16	16.1			14	15	14	14.2	17	14.4	17	12.9								
17	18.9			17	16.7	17	15.6												

VT MODEL

Ref	Model no.
1	VT2-05-007M/T
2	VT2-05-011M/T
3	VT2-05-015M/T
4	VT2-05-022M/T
5	VT2-05-030M/T
6	VT2-10-011M/T
7	VT2-10-022M/T
8	VT2-10-030M/T
9	VT2-10-040M/T
10	VT2-10-055T
11	VT2-15-015M/T
12	VT2-15-030M/T
13	VT2-15-040M/T
14	VT2-15-055T
15	VT2-20-022M/T
16	VT2-20-040M/T
17	VT2-20-055T

VT3 - Triple Pump Duty/Assist/Standby Selector



PRESSURE REQUIRED (UNITS DISPLAYED IN LITRES PER SECOND)

2.5 bar		3.0 bar		3.5 bar		4.0 bar		4.5 bar		5.0 bar		6.0 bar		7.0 bar		8.0 bar		9.0 bar			
Ref	Flow rate	Ref	Flow rate	Ref	Flow rate	Ref	Flow rate	Ref	Flow rate	Ref	Flow rate	Ref	Flow rate	Ref	Flow rate	Ref	Flow rate	Ref	Flow rate		
1	3.3	2	4.6	2	4.1	2	3.3	3	4.4	3	4.1	3	3.2	4	4.1	4	3.4	4	2.7		
2	4.9	7	9	3	5	3	4.8	7	6.4	4	5	4	4.6	5	4.8	5	4.6	5	4.2		
7	8.6	14	14.2	7	8.3	7	7.4	8	8.3	8	7.7	8	6.1	9	7.7	9	6.6	9	5.22		
13	11.1	19	17.8	8	9.3	8	8.8	14	10.3	9	9.4	9	8.6	10	9	10	8.4	10	7.7		
14	15.1			14	13.3	14	11.8	15	13.3	15	12.7	15	10.4	16	12.2	11	9	11	8.4		
18	16.1			15	15	15	14.2	19	14.4	16	15.1	16	13.8	20	12.5	16	10	16	7.2		
19	18.9			19	16.7	19	15.6	20	17.8	19	12.9	20	15.1								
						20	18.4			20	17.1										

VT MODEL

Ref	Model no.
1	VT3-05-007M/T
2	VT3-05-011M/T
3	VT3-05-015M/T
4	VT3-05-022M/T
5	VT3-05-030M/T
6	VT3-10-011M/T
7	VT3-10-022M/T
8	VT3-10-030M/T
9	VT3-10-040M/T
10	VT3-10-055T
11	VT3-10-075T
12	VT3-15-015M/T
13	VT3-15-030M/T
14	VT3-15-040M/T
15	VT3-15-055T
16	VT3-15-075T
17	VT3-20-022M/T
18	VT3-20-040M/T
19	VT3-20-055T
20	VT3-20-075T

VT3 - Triple Pump Duty/Assist/Assist Selector



PRESSURE REQUIRED (UNITS DISPLAYED IN LITRES PER SECOND)

2.5 bar		3.0 bar		3.5 bar		4.0 bar		4.5 bar		5.0 bar		6.0 bar		7.0 bar		8.0 bar		9.0 bar			
Ref	Flow rate	Ref	Flow rate	Ref	Flow rate	Ref	Flow rate	Ref	Flow rate	Ref	Flow rate	Ref	Flow rate	Ref	Flow rate	Ref	Flow rate	Ref	Flow rate		
1	4.9	2	6.8	2	6.1	2	5	3	6.7	3	6.2	3	4.8	4	6.1	4	5.2	4	4		
2	7.3	7	13.5	3	7.5	3	7.2	7	9.7	4	7.5	4	6.8	5	7.2	5	6.8	5	6.3		
7	12.8	14	21.3	7	12.4	7	11.2	8	12.4	8	11.5	8	9.1	9	11.5	9	9.9	9	7.8		
13	16.7	19	26.7	8	14	8	13.3	14	15.5	9	14.2	9	12.8	10	13.5	10	12.6	10	11.5		
14	22.7			14	19.9	14	17.7	15	20	15	19	15	15.7	16	18.3	11	13.5	11	12.6		
18	24.2			15	22.5	15	21.3	19	21.7	16	22.6	16	20.8	20	18.8	16	15	16	10.8		
19	28.3			19	25	19	23.3	20	26.7	19	19.3	20	22.7								
						20	27.6			20	25.7										

VT MODEL

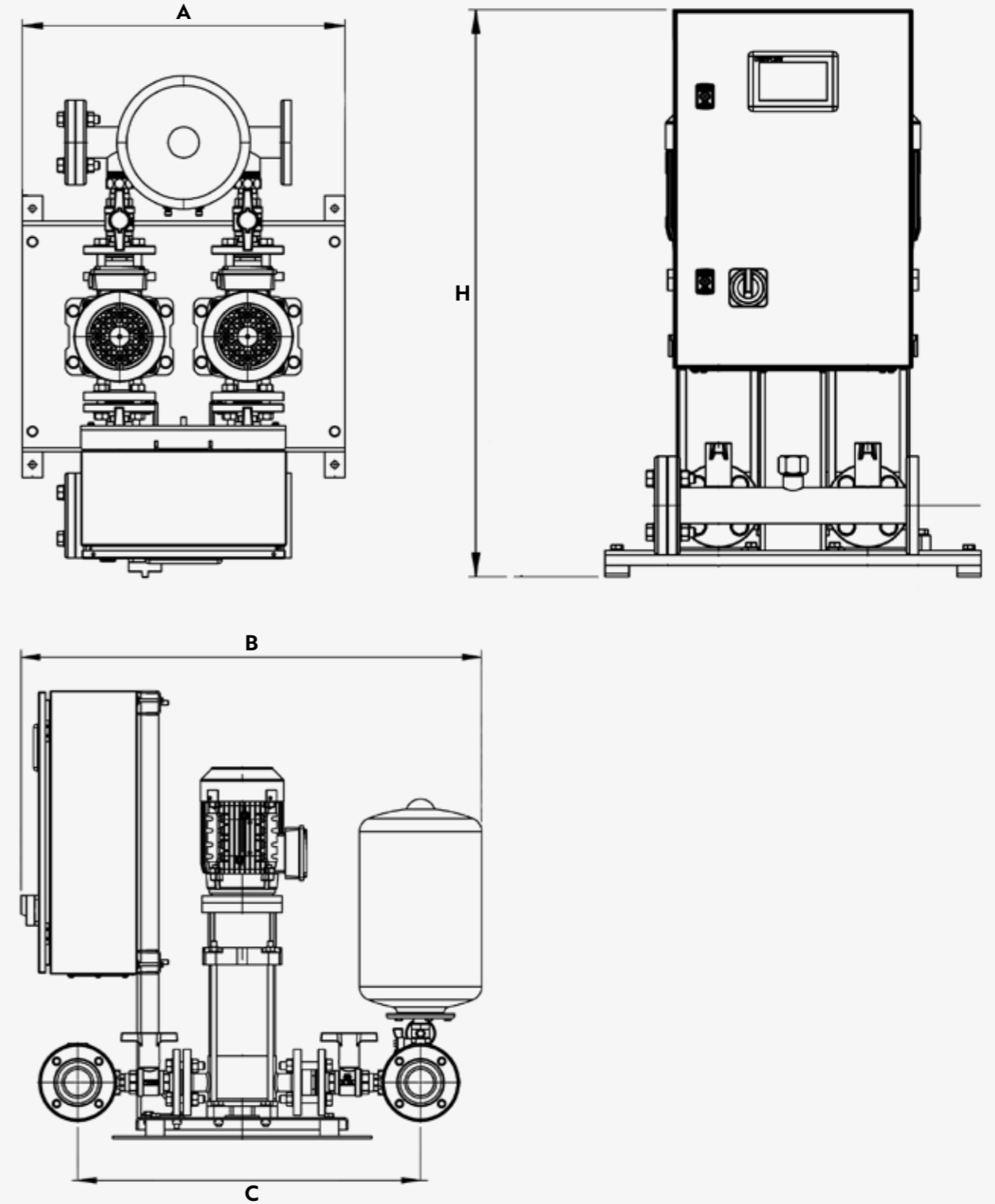
Ref	Model no.
1	VT3-05-007M/T
2	VT3-05-011M/T
3	VT3-05-015M/T
4	VT3-05-022M/T
5	VT3-05-030M/T
6	VT3-10-011M/T
7	VT3-10-022M/T
8	VT3-10-030M/T
9	VT3-10-040M/T
10	VT3-10-055T
11	VT3-10-075T
12	VT3-15-015M/T
13	VT3-15-030M/T
14	VT3-15-040M/T
15	VT3-15-055T
16	VT3-15-075T
17	VT3-20-022M/T
18	VT3-20-040M/T
19	VT3-20-055T
20	VT3-20-075T

VT2 Series

DRAWINGS AND DIMENSIONS

Model no.	Motor power (kW)	Supply voltage	Full load current (A)		Dimensions (mm)				Suction	Discharge	Weight (kg)
			Per pump	Total	A	B	C	H			
VT2-05-005M	0.55	230/1/50	3.3	6.6	630	979	728	950	DN50	DN50	140
VT2-05-005T	0.55	400/3/50	1.9	3.8	630	979	728	950	DN50	DN50	140
VT2-05-007M	0.75	230/1/50	3.3	6.6	630	979	728	950	DN50	DN50	140
VT2-05-007T	0.75	400/3/50	1.9	3.8	630	979	728	950	DN50	DN50	140
VT2-05-011M	1.1	230/1/50	4.7	9.4	630	979	728	950	DN50	DN50	145
VT2-05-011T	1.1	400/3/50	2.7	5.4	630	979	728	950	DN50	DN50	145
VT2-05-015M	1.5	230/1/50	5.9	11.8	630	979	728	950	DN50	DN50	150
VT2-05-015T	1.5	400/3/50	3.4	6.8	630	979	728	950	DN50	DN50	150
VT2-05-022M	2.2	230/1/50	8	16	630	1029	728	1200	DN50	DN50	170
VT2-05-022T	2.2	400/3/50	4.6	9.2	630	1029	728	1200	DN50	DN50	170
VT2-05-030M	3.0	230/1/50	10.4	20.8	630	1029	728	1200	DN50	DN50	190
VT2-05-030T	3.0	400/3/50	6	12	630	1029	728	1200	DN50	DN50	190
VT2-10-011M	1.1	230/1/50	4.7	9.4	700	1023	813	950	DN65	DN65	220
VT2-10-011T	1.1	400/3/50	2.7	5.4	700	1023	813	950	DN65	DN65	220
VT2-10-022M	2.2	230/1/50	8	16	700	1073	813	1200	DN65	DN65	180
VT2-10-022T	2.2	400/3/50	4.6	9.2	700	1073	813	1200	DN65	DN65	180
VT2-10-030M	3.0	230/1/50	10.4	20.8	700	1073	813	1200	DN65	DN65	190
VT2-10-030T	3.0	400/3/50	6	12	700	1073	813	1200	DN65	DN65	190
VT2-10-040M	4.0	230/1/50	13.2	26.4	700	1073	813	1200	DN65	DN65	200
VT2-10-040T	4.0	400/3/50	7.6	15.2	700	1073	813	1200	DN65	DN65	200
VT2-10-055T	5.5	400/3/50	10.5	21	700	1073	813	1200	DN65	DN65	300
VT2-15-015M	1.5	230/1/50	5.9	11.8	700	1140	909	950	DN80	DN80	180
VT2-15-015T	1.5	400/3/50	3.4	6.8	700	1140	909	950	DN80	DN80	180
VT2-15-030M	3.0	230/1/50	10.4	20.8	700	1140	909	1200	DN80	DN80	210
VT2-15-030T	3.0	400/3/50	6	12	700	1140	909	1200	DN80	DN80	210
VT2-15-040M	4.0	230/1/50	13.2	26.4	700	1140	909	1200	DN80	DN80	230
VT2-15-040T	4.0	400/3/50	7.6	15.2	700	1140	909	1200	DN80	DN80	230
VT2-15-055T	5.5	400/3/50	10.5	21	700	1140	909	1200	DN80	DN80	350
VT2-20-022M	2.2	230/1/50	8	16	700	1141	910	1200	DN80	DN80	240
VT2-20-022T	2.2	400/3/50	4.6	9.2	700	1141	910	1200	DN80	DN80	240
VT2-20-040M	4.0	230/1/50	13.2	26.4	700	1141	910	1200	DN80	DN80	275
VT2-20-040T	4.0	400/3/50	7.6	15.2	700	1141	910	1200	DN80	DN80	275
VT2-20-055T	5.5	400/3/50	10.5	21	700	1141	910	1200	DN80	DN80	320

VT2 Series

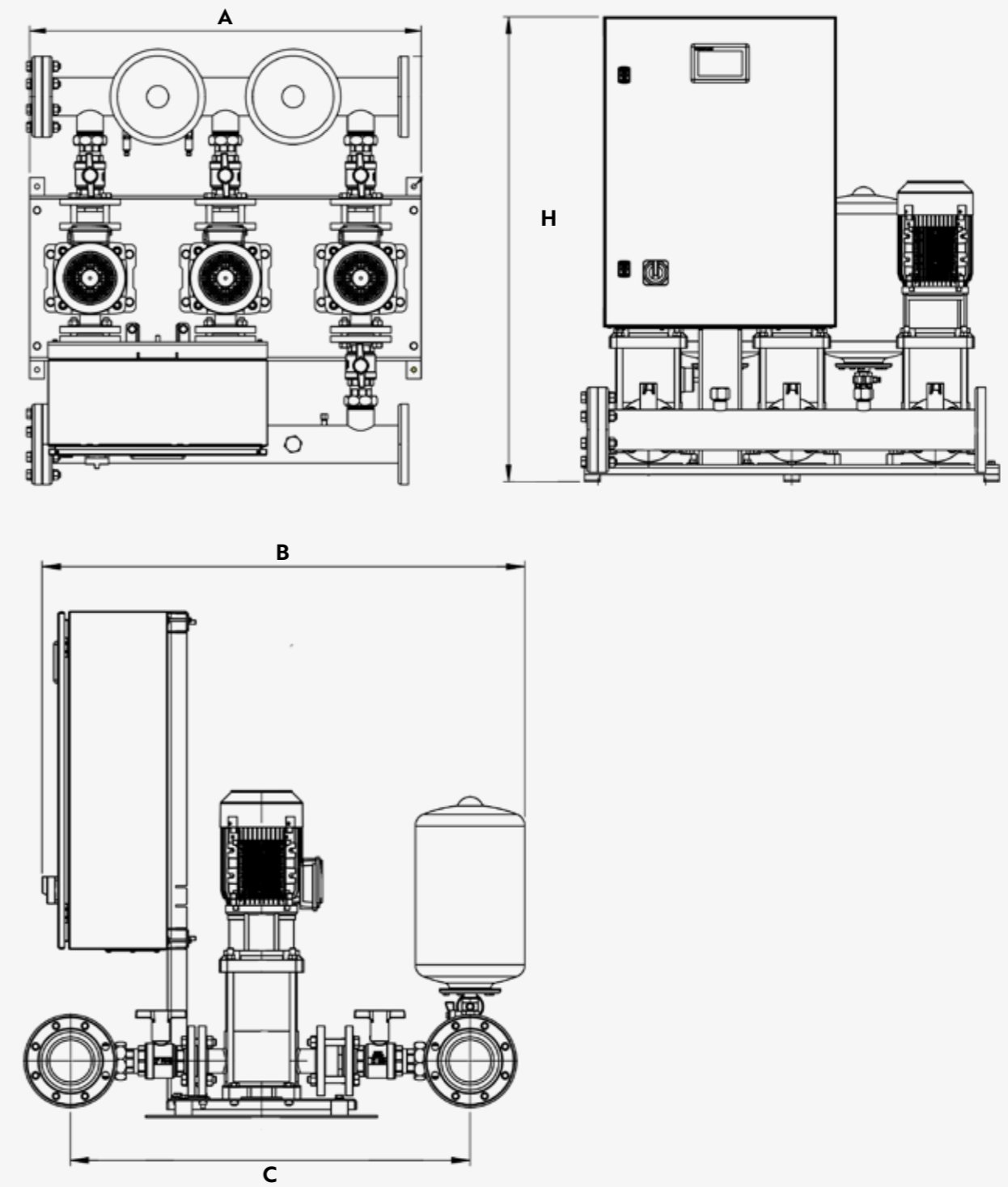


VT3 Series

DRAWINGS AND DIMENSIONS

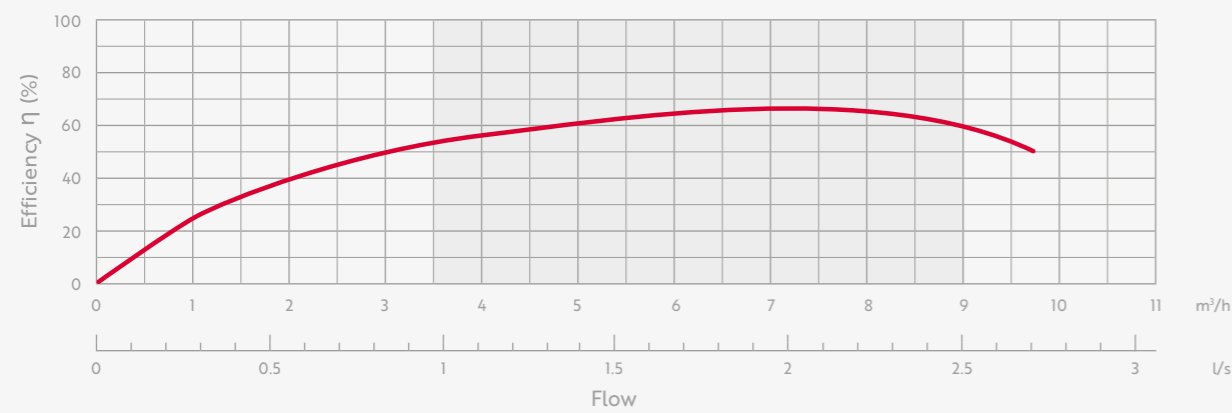
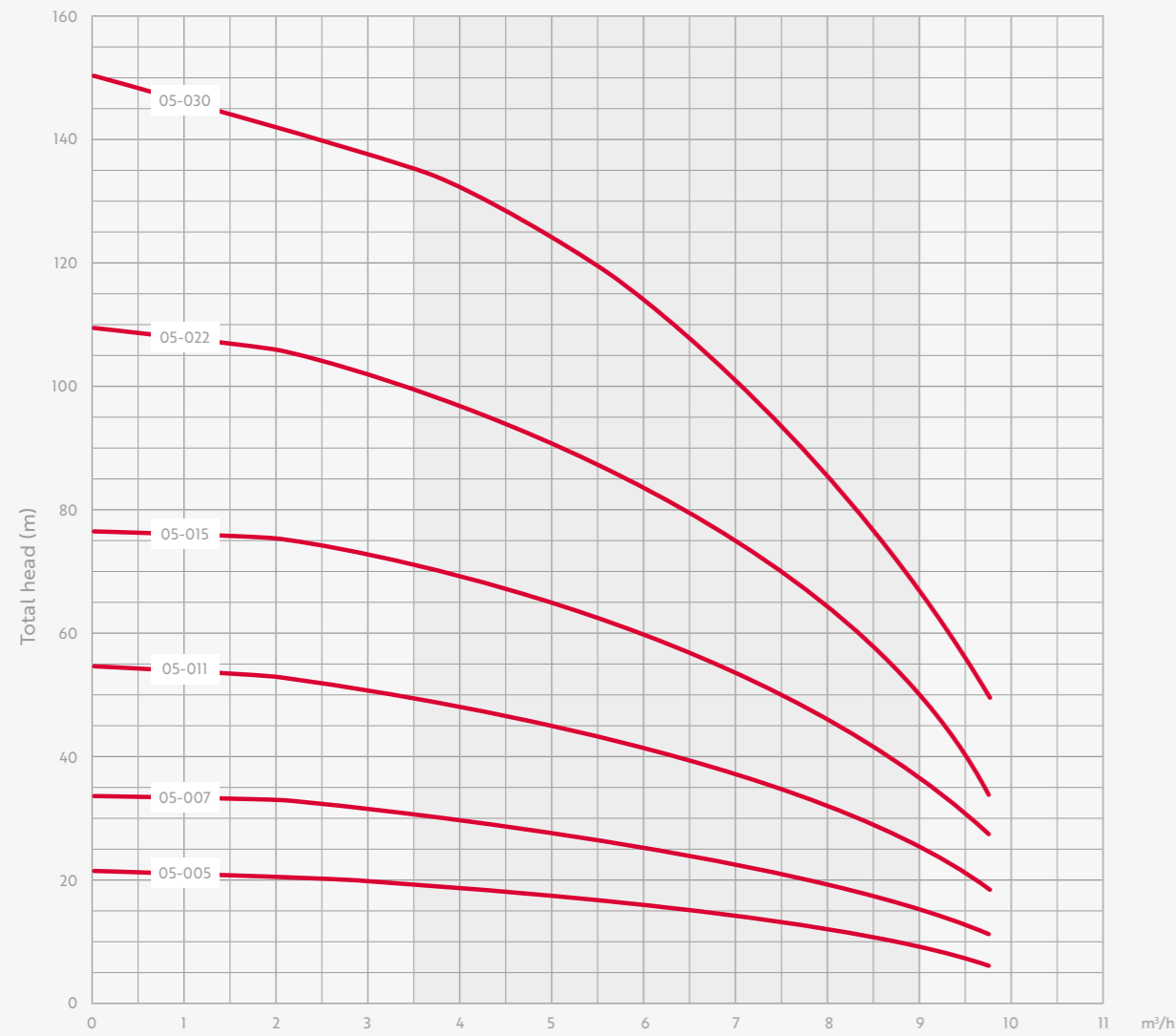
Model no.	Motor power (kW)	Supply voltage	Full load current (A)		Dimensions (mm)				Suction	Discharge	Weight (kg)
			Per pump	Total	A	B	C	H			
VT3-05-005M	0.55	230/1/50	3.3	9.9	880	989	748	950	DN80	DN80	175
VT3-05-005T	0.55	400/3/50	1.9	5.7	880	989	748	950	DN80	DN80	175
VT3-05-007M	0.75	230/1/50	3.3	9.9	880	989	748	950	DN80	DN80	175
VT3-05-007T	0.75	400/3/50	1.9	5.7	880	989	748	950	DN80	DN80	175
VT3-05-011M	1.1	230/1/50	4.7	14.1	880	989	748	950	DN80	DN80	180
VT3-05-011T	1.1	400/3/50	2.7	8.1	880	989	748	950	DN80	DN80	180
VT3-05-015M	1.5	230/1/50	5.9	17.7	880	989	748	950	DN80	DN80	195
VT3-05-015T	1.5	400/3/50	3.4	10.2	880	989	748	950	DN80	DN80	195
VT3-05-022M	2.2	230/1/50	8	24	880	1039	748	1200	DN80	DN80	221
VT3-05-022T	2.2	400/3/50	4.6	13.8	880	1039	748	1200	DN80	DN80	221
VT3-05-030M	3.0	230/1/50	10.4	31.2	880	1039	748	1200	DN80	DN80	270
VT3-05-030T	3.0	400/3/50	6	18	880	1039	748	1200	DN80	DN80	270
VT3-10-011M	1.1	230/1/50	4.7	14.1	1000	1095	853	950	DN100	DN100	210
VT3-10-011T	1.1	400/3/50	2.7	8.1	1000	1095	853	950	DN100	DN100	210
VT3-10-022M	2.2	230/1/50	8	24	1000	1095	853	950	DN100	DN100	270
VT3-10-022T	2.2	400/3/50	4.6	13.8	1000	1095	853	950	DN100	DN100	270
VT3-10-030M	3.0	230/1/50	10.4	31.2	1000	1095	853	1200	DN100	DN100	290
VT3-10-030T	3.0	400/3/50	6	18	1000	1095	853	1200	DN100	DN100	290
VT3-10-040M	4.0	230/1/50	13.2	39.6	1000	1095	853	1200	DN100	DN100	320
VT3-10-040T	4.0	400/3/50	7.6	22.8	1000	1095	853	1200	DN100	DN100	320
VT3-10-055T	5.5	400/3/50	10.5	31.5	1000	1218	853	1255	DN100	DN100	490
VT3-10-075T	7.5	400/3/50	14.5	43.5	1000	1218	853	1255	DN100	DN100	525
VT3-15-015M	1.5	230/1/50	5.9	17.7	1070	1190	949	950	DN100	DN100	310
VT3-15-015T	1.5	400/3/50	3.4	10.2	1070	1190	949	950	DN100	DN100	310
VT3-15-030M	3.0	230/1/50	10.4	31.2	1070	1190	949	1200	DN100	DN100	350
VT3-15-030T	3.0	400/3/50	6	18	1070	1190	949	1200	DN100	DN100	350
VT3-15-040M	4.0	230/1/50	13.2	39.6	1200	1190	949	1200	DN100	DN100	350
VT3-15-040T	4.0	400/3/50	7.6	22.8	1200	1190	949	1200	DN100	DN100	350
VT3-15-055T	5.5	400/3/50	10.5	31.5	1200	1252	949	1255	DN100	DN100	470
VT3-15-075T	7.5	400/3/50	14.5	43.5	1200	1252	949	1255	DN100	DN100	490
VT3-20-022M	2.2	230/1/50	8	24	1070	1190	948	1200	DN100	DN100	400
VT3-20-022T	2.2	400/3/50	4.6	13.8	1070	1190	948	1200	DN100	DN100	400
VT3-20-040M	4.0	230/1/50	13.2	39.6	1070	1190	948	1200	DN100	DN100	370
VT3-20-040T	4.0	400/3/50	7.6	22.8	1070	1190	948	1200	DN100	DN100	370
VT3-20-055T	5.5	400/3/50	10.5	31.5	1200	1252	948	1255	DN100	DN100	490
VT3-20-075T	7.5	400/3/50	14.5	43.5	1200	1252	948	1255	DN100	DN100	510

VT3 Series



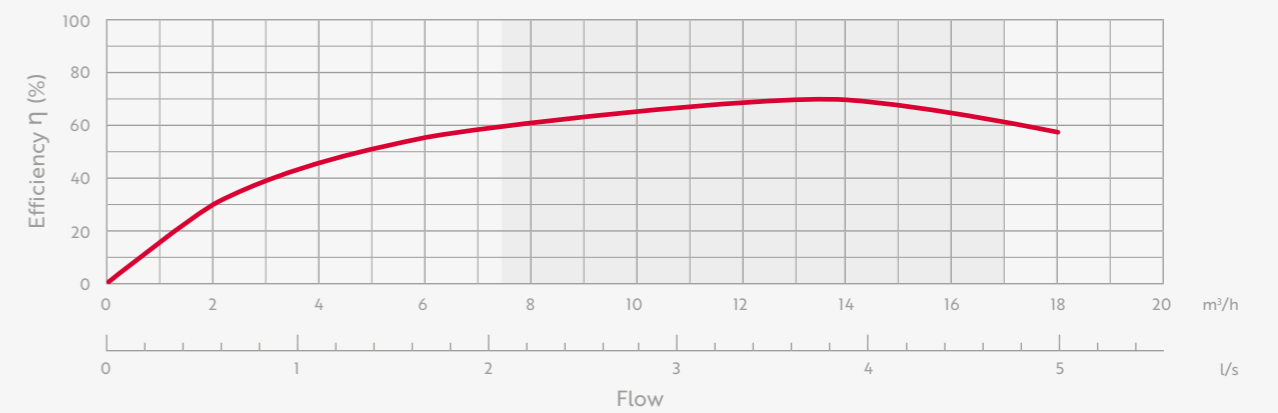
VTx-05 Series

SINGLE PUMP CURVES



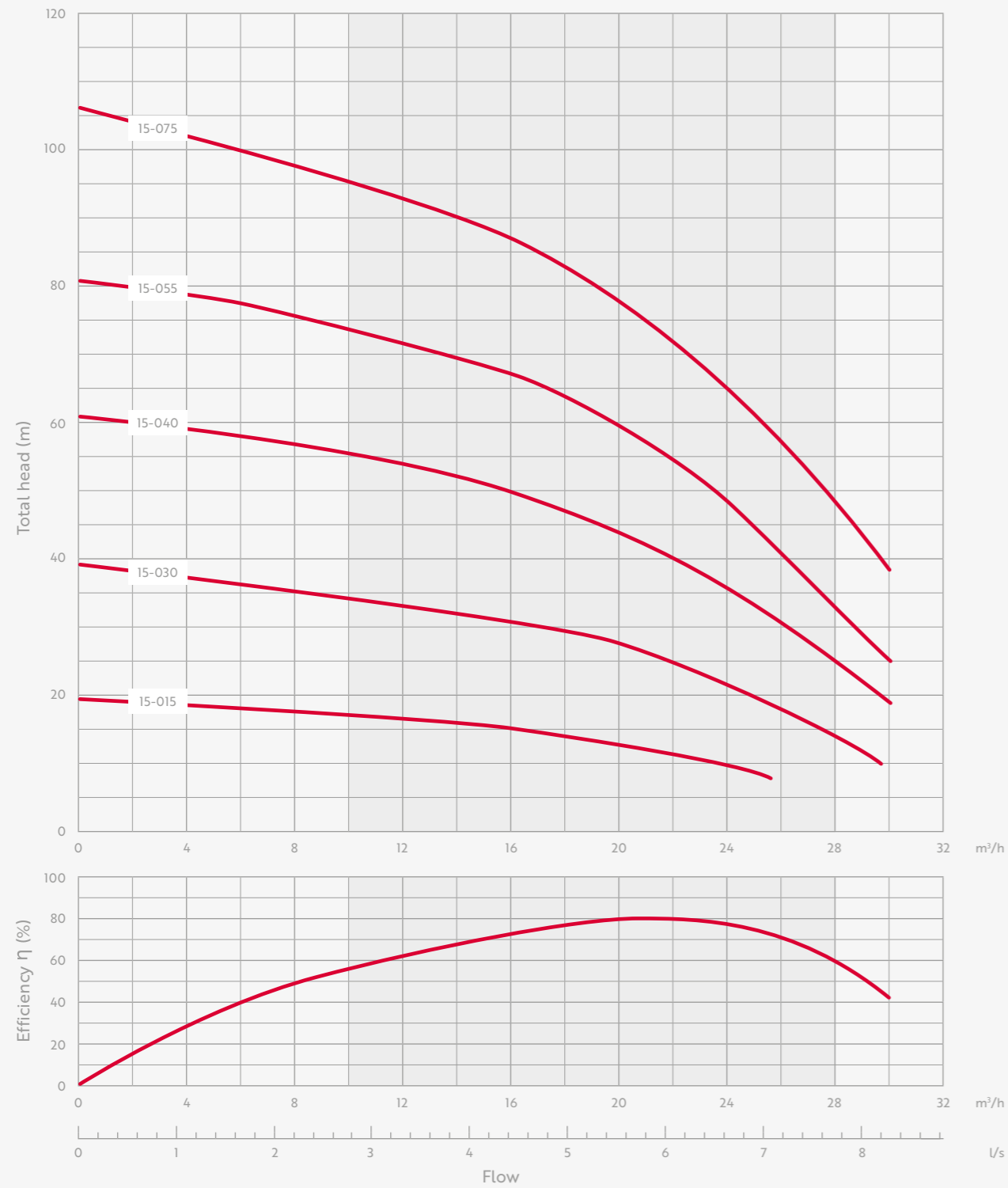
VTx-10 Series

SINGLE PUMP CURVES



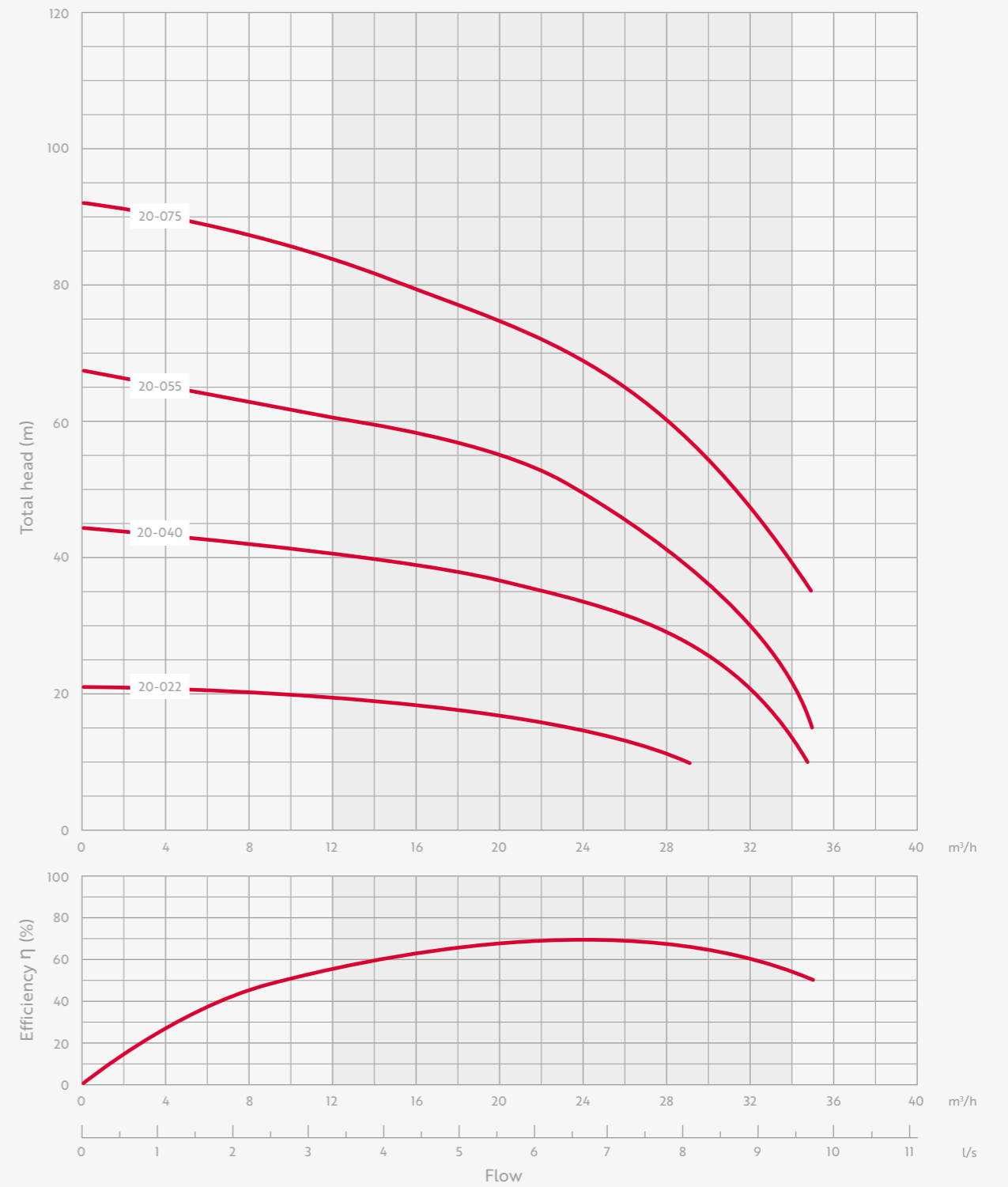
VTx-15 Series

SINGLE PUMP CURVES



VTx-20 Series

SINGLE PUMP CURVES





Lord's Cricket Ground, St John's Wood



Dutypoint hits it out the park again at a world-famous cricket ground

PROJECT SUMMARY

Widely referred to as the 'Home of Cricket', Lord's Cricket Ground is a long-standing, world-famous sporting venue in central London. With a capacity of 30,000 cricket fans, many international fixtures, tests and championships have been held at the ground, resulting in significant demand for the pump system currently in operation. Pump systems are used widely throughout sports venues to ensure on-site functions are safe, comfortable and able to handle the demand of spectators using the facilities. So when the client working with Lord's needed a rapid solution, Dutypoint was prepared to meet their needs.

PROJECT CHALLENGE

A 'last-minute' addition to a cricket ground scheme meant two booster sets were required to meet a critical handover date. Our team needed to use their expert knowledge and the wide range of stock Dutypoint offers to provide the perfect project solution.

PROJECT SOLUTION

With an extensive range of booster sets and components in stock and a dedicated team behind the scenes, Dutypoint can assist our customers with fast deliveries. Dutypoint received the enquiry on the 23rd of July, and the order was officialised on the 26th. The VT booster sets were delivered to the site two days later on the 28th and installed to guarantee the handover date was met.

PROJECT DETAILS

Project name

Lord's Cricket Ground

Industry sector

Sport & Leisure

Project type

Sporting Venue

Main contractor

Buckingham Group

Products supplied

- 2 x VT booster sets



**Let's talk about
the VT booster set**

01452 300110

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DUTYPOINT.COM