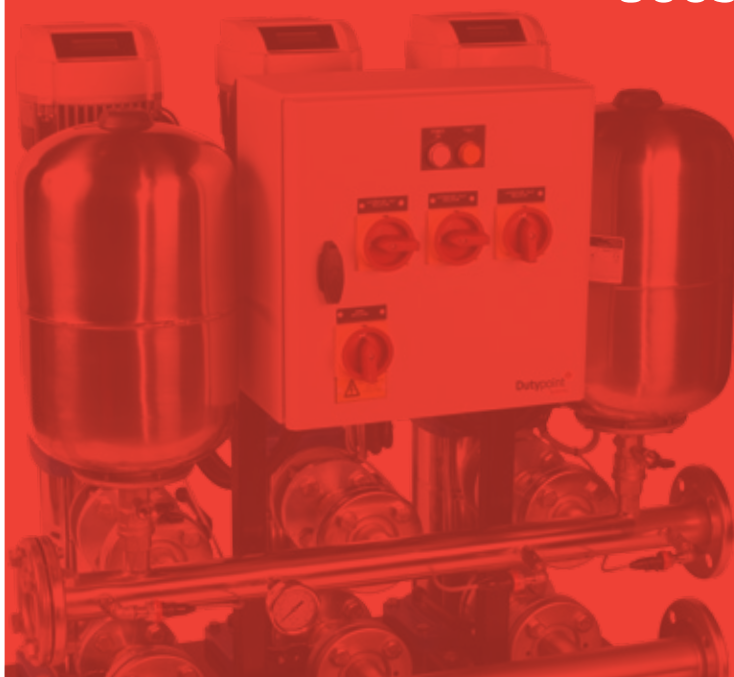


VVR

Dutypoint 
Systems

**Ultra-compact,
variable speed twin
and triple pump
booster sets**





- Compact footprint – designed to fit through a standard door
- All wetted parts manufactured with stainless steel
- No hidden extras – vessels, inverters, control panel included
- Volt-free contact alarm signal for BMS system connection
- Duty pump changeover timer to ensure consistent utilisation on all pumps
- Easy access to pumps for hassle-free maintenance
- Anti-vibration mounts included as standard to reduce noise transmission

Ultra-compact, variable speed twin and triple pump booster sets

The WRAS approved VR range of booster sets is designed to produce maximum performance within a minimum floor area. Built to an impressive specification, with extensive use of stainless steel throughout, the exceptionally compact footprint completely contains the pumps, pressure vessels, manifolds, valves and control panel.

Standard Technical Features

- WRAS Approved
- Variable speed pumps
- Integral HiRISE Control™
- Hydrovar intelligent motor control
- Duty pump changeover timer
- Common alarm volt-free contact
- Hours run recorders
- Pressure set point adjustment
- Local electrical isolation and MCB protection
- Integral anti-vibration mountings
- Pumps easily removable for overhaul

Options

- Flexible expansion joints
- Quantum Integral sealed system pressurisation unit
- Anti-condensation motor heater
- Fixed speed versions available on request



Performance

Flow Range (twin pump)	0.5 - 15.7 litres/sec
Flow Range (triple pump)	1.0 - 24.0 litres/sec
Pressure Range	2.0 - 12.0 Bar
Control Type	Hydrovar® Inverter Drives
Max System Pressure	16 Bar*
Max System Temperature	40°C

* Where higher pressure rated vessels are used

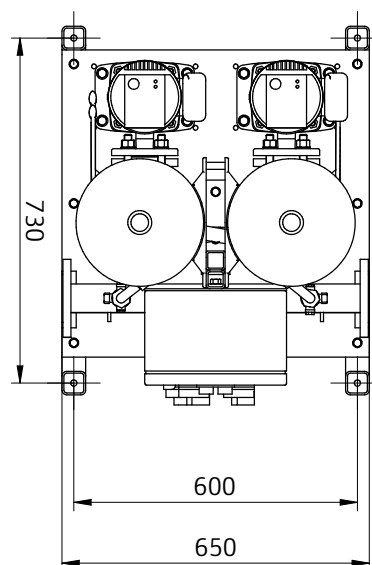
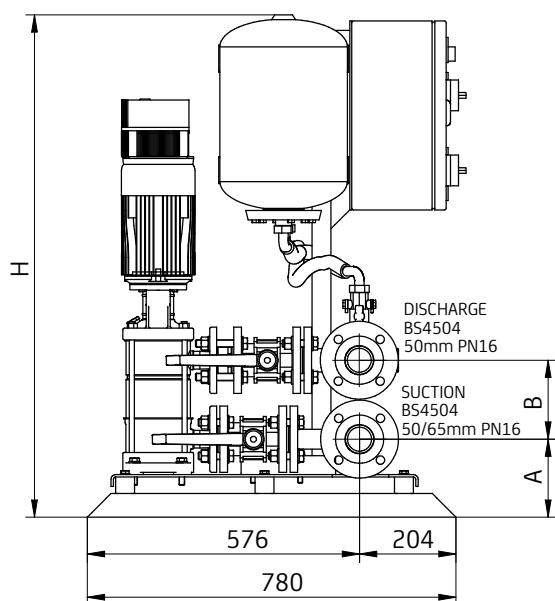
Specification

Base Plate	Power Coated Mild Steel
Manifolds	AISI 304 Stainless Steel
Pressure Vessels	AISI 304/Butyl PED 97/23/C Certified
Vessel Isolation Valves	PTFE/EN12165 Cu Zn Pb25a
Pump Isolation Valves	PTFE/EN12165/12164
Non-Return Valves	CF8M/AISI 316/AISI 304
Fasteners	BS EN ISO 3506/A2.70/ BS 3643
Gaskets	WRAS Approved BS4865
Anti-Vibration Mountings	Integral
Pumps	WRAS Approved
Pump Casings	AISI 304
Pump Impellers	AISI 316L

Visit dutypoint.com
for full product listings,
specifications and more

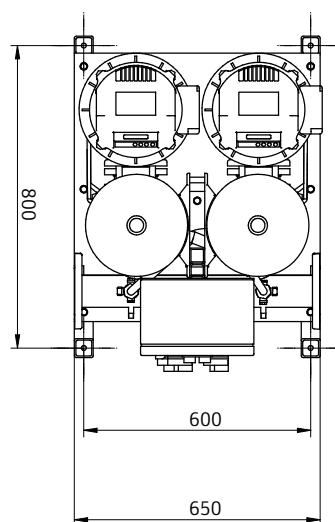
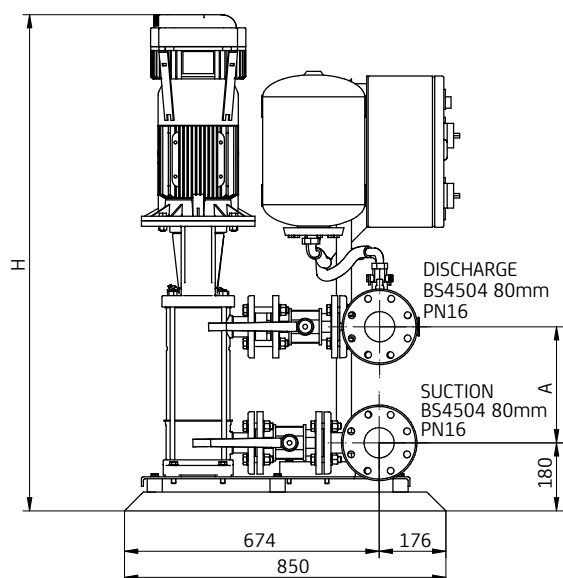
VR2-05/10 Series

Model No.	Motor Power (kW)	Power Supply	Full Load Current (A)		Dimensions (mm)					Weight (kg)
			Per Pump	Total	A	B	H	Suction	Discharge	
VR2-0505-LMM	0.75	230/1/50	3.1	6.1	165	167	1063	50	50	129
VR2-0508-LMM	1.1	230/1/50	4.1	8.2	165	192	1063	50	50	135
VR2-0508-LHT	1.1	400/3/50	2.4	4.7	165	192	1063	50	50	135
VR2-0509-LHM	1.5	230/1/50	9.2	18.4	165	217	1063	50	50	148
VR2-0509-LHT	1.5	400/3/50	3.0	6.0	165	217	1063	50	50	148
VR2-0511-LHM	1.5	230/1/50	9.2	18.4	165	267	1075	50	50	149
VR2-0511-LHT	1.5	400/3/50	3.0	6.0	165	267	1075	50	50	149
VR2-0512-LHM	2.2	230/1/50	12.5	25.0	165	292	1100	50	50	150
VR2-0512-LHT	2.2	400/3/50	4.6	9.3	165	292	1100	50	50	150
VR2-0514-LHM	2.2	230/1/50	12.5	25	165	342	1121	50	50	156
VR2-0514-LHT	2.2	400/3/50	4.6	9.3	165	342	1121	50	50	156
VR2-0516-LHM	2.2	230/1/50	12.5	25.0	165	392	1171	50	50	160
VR2-0516-LHT	2.2	400/3/50	4.6	9.3	165	392	1171	50	50	160
VR2-0518-LHT	3	400/3/50	6.2	12.4	165	442	1251	50	50	168
VR2-0521-LHT	3	400/3/50	6.2	12.4	165	517	1326	50	50	172
VR2-1003-LMM	1.1	230/1/50	4.1	8.2	170	179	1063	65	50	161
VR2-1003-LHT	1.1	400/3/50	2.4	4.7	170	179	1063	65	50	161
VR2-1004-LHM	1.5	230/1/50	9.2	18.4	170	179	1063	65	50	171
VR2-1004-LHT	1.5	400/3/50	3.0	6.0	170	179	1063	65	50	171
VR2-1005-LHM	2.2	230/1/50	12.5	25.0	170	179	1063	65	50	177
VR2-1005-LHT	2.2	400/3/50	4.6	9.3	170	179	1063	65	50	177
VR2-1006-LHM	2.2	230/1/50	12.5	25.0	170	211	1063	65	50	179
VR2-1006-LHT	2.2	400/3/50	4.6	9.3	170	211	1063	65	50	179
VR2-1007-LHT	3	400/3/50	6.2	12.4	170	243	1099	65	50	188
VR2-1008-LHT	3	400/3/50	6.2	12.4	170	275	1131	65	50	190
VR2-1009-LHT	4	400/3/50	7.6	15.3	170	307	1184	65	50	197
VR2-1011-LHT	4	400/3/50	7.6	15.3	170	371	1248	65	50	207



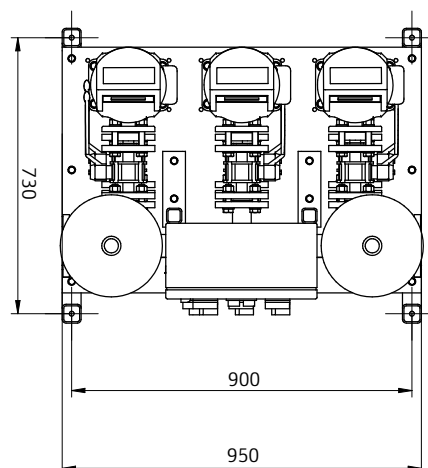
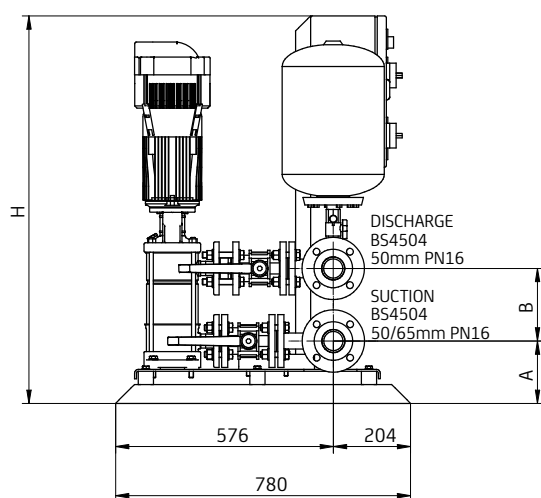
VR2-15/22 Series

Model No.	Motor Power (kW)	Power Supply	Full Load Current (A)		Dimensions (mm)				Weight (kg)
			Per Pump	Total	A	H	Suction	Discharge	
VR2-1502-LHM	2.2	230/1/50	12.5	25	211	1098	80	80	192
VR2-1502-LHT	2.2	400/3/50	4.6	9.3	211	1098	80	80	192
VR2-1503-LHT	3	400/3/50	6.2	12.4	211	1098	80	80	199
VR2-1504-LHT	4	400/3/50	7.6	15.3	211	1098	80	80	213
VR2-1505-LHT	4	400/3/50	7.6	15.3	259	1146	80	80	215
VR2-1506-LHT	5.5	400/3/50	10.4	20.8	307	1312	80	80	261
VR2-1507-LHT	5.5	400/3/50	10.4	20.8	355	1360	80	80	263
VR2-1509-LHT	7.5	400/3/50	14.0	28	451	1448	80	80	307
VR2-2202-LHM	2.2	230/1/50	12.5	25	211	1098	80	80	197
VR2-2202-LHT	2.2	400/3/50	4.6	9.3	211	1098	80	80	197
VR2-2203-LHT	3	400/3/50	6.2	12.4	211	1098	80	80	199
VR2-2204-LHT	4	400/3/50	7.6	15.3	211	1098	80	80	213
VR2-2205-LHT	5.5	400/3/50	10.4	20.8	259	1146	80	80	215
VR2-2207-LHT	7.5	400/3/50	14.0	28.0	355	1360	80	80	263



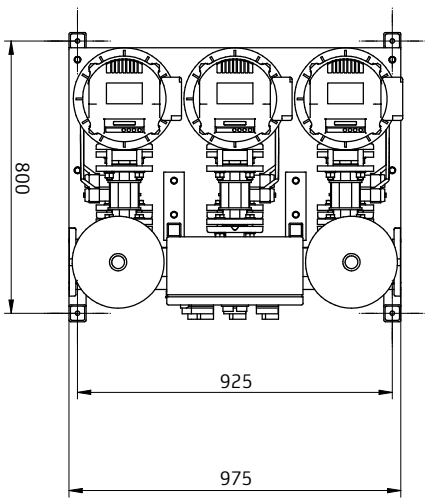
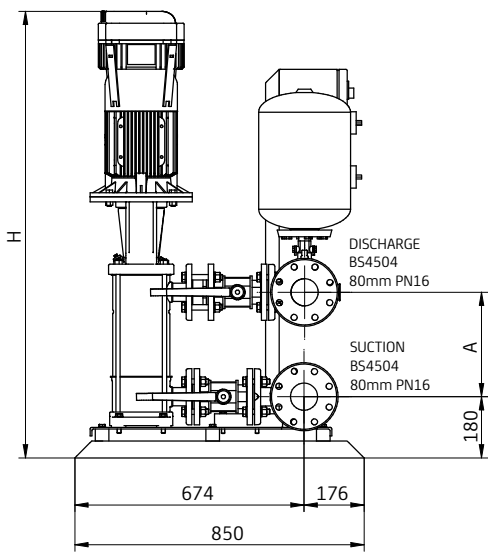
VR3-05/10 Series

Model No.	Motor Power (kW)	Power Supply	Full Load Current (A)		Dimensions (mm)					Weight (kg)
			Per Pump	Total	A	B	H	Suction	Discharge	
VR3-0505-LMM	0.75	230/1/50	3.1	9.2	165	167	1025	50	50	166
VR3-0508-LMM	1.1	230/1/50	4.1	12.3	165	192	1025	50	50	175
VR3-0508-LHT	1.1	400/3/50	2.4	7.1	165	192	1025	50	50	175
VR3-0509-LHM	1.5	230/1/50	9.2	27.6	165	217	1025	50	50	194
VR3-0509-LHT	1.5	400/3/50	3.0	9.1	165	217	1025	50	50	194
VR3-0511-LHM	1.5	230/1/50	9.2	27.6	165	267	1075	50	50	197
VR3-0511-LHT	1.5	400/3/50	3.0	9.1	165	267	1075	50	50	197
VR3-0512-LHM	2.2	230/1/50	12.5	37.5	165	292	1100	50	50	199
VR3-0512-LHT	2.2	400/3/50	4.6	13.9	165	292	1100	50	50	199
VR3-0514-LHM	2.2	230/1/50	12.5	37.5	165	342	1121	50	50	202
VR3-0514-LHT	2.2	400/3/50	4.6	13.9	165	342	1121	50	50	202
VR3-0516-LHM	2.2	230/1/50	12.5	37.5	165	392	1171	50	50	205
VR3-0516-LHT	2.2	400/3/50	4.6	13.9	165	392	1171	50	50	205
VR3-0518-LHT	3	400/3/50	6.2	18.6	165	442	1251	50	50	217
VR3-0521-LHT	3	400/3/50	6.2	18.6	165	517	1326	50	50	217
VR3-1003-LMM	1.1	230/1/50	4.1	12.3	170	179	1036	65	50	233
VR3-1003-LHT	1.1	400/3/50	2.4	7.1	170	179	1036	65	50	233
VR3-1004-LHM	1.5	230/1/50	9.2	27.6	170	179	1036	65	50	247
VR3-1004-LHT	1.5	400/3/50	3.0	9.1	170	179	1036	65	50	247
VR3-1005-LHM	2.2	230/1/50	12.5	37.5	170	179	1036	65	50	256
VR3-1005-LHT	2.2	400/3/50	4.6	13.9	170	179	1036	65	50	256
VR3-1006-LHM	2.2	230/1/50	12.5	37.5	170	211	1057	65	50	260
VR3-1006-LHT	2.2	400/3/50	4.6	13.9	170	211	1057	65	50	260
VR3-1007-LHT	3	400/3/50	6.2	18.6	170	243	1099	65	50	273
VR3-1008-LHT	3	400/3/50	6.2	18.6	170	275	1131	65	50	276
VR3-1009-LHT	4	400/3/50	7.6	22.9	170	307	1184	65	50	279
VR3-1011-LHT	4	400/3/50	7.6	22.9	170	371	1248	65	50	302



VR3-15/22 Series

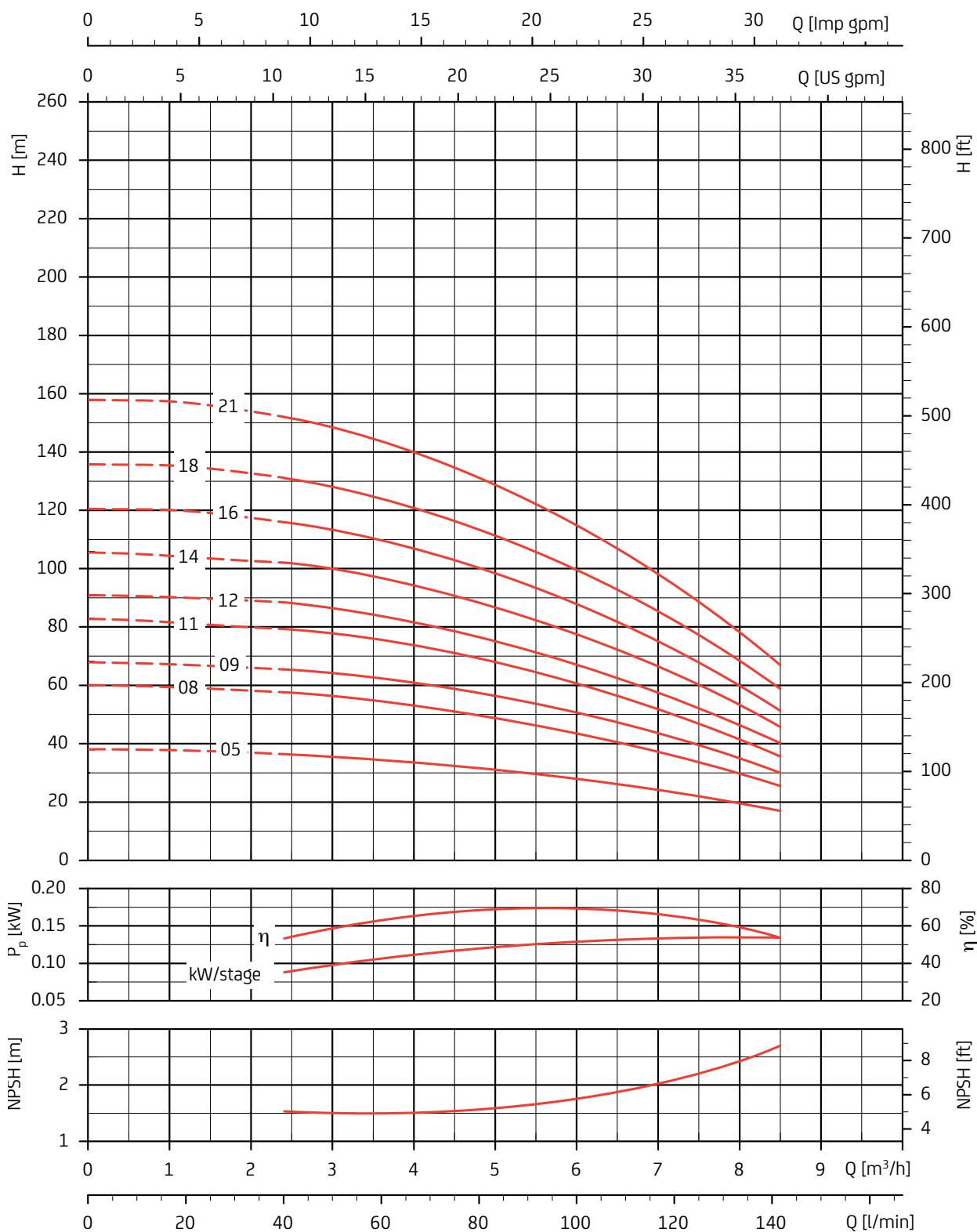
Model No.	Motor Power (kW)	Power Supply	Full Load Current (A)		Dimensions (mm)				Weight (kg)
			Per Pump	Total	A	H	Suction	Discharge	
VR3-1502-LHM	2.2	230/1/50	12.5	37.5	211	1098	80	80	271
VR3-1502-LHT	2.2	400/3/50	4.6	13.9	211	1098	80	80	271
VR3-1503-LHT	3	400/3/50	6.2	18.6	211	1098	80	80	273
VR3-1504-LHT	4	400/3/50	7.6	22.9	211	1098	80	80	293
VR3-1505-LHT	4	400/3/50	7.6	22.9	259	1146	80	80	297
VR3-1506-LHT	5.5	400/3/50	10.4	31.2	307	1312	80	80	365
VR3-1507-LHT	5.5	400/3/50	10.4	31.2	355	1360	80	80	368
VR3-1509-LHT	7.5	400/3/50	14.0	42.0	451	1448	80	80	434
VR3-2202-LHM	2.2	230/1/50	12.5	37.5	211	1098	80	80	273
VR3-2202-LHT	2.2	400/3/50	4.6	13.9	211	1098	80	80	273
VR3-2203-LHT	3	400/3/50	6.2	18.6	211	1098	80	80	274
VR3-2204-LHT	4	400/3/50	7.6	22.9	211	1098	80	80	293
VR3-2205-LHT	5.5	400/3/50	10.4	31.2	259	1146	80	80	297
VR3-2207-LHT	7.5	400/3/50	14.0	42.0	307	1312	80	80	356



VR2/3-05

~2900 rpm

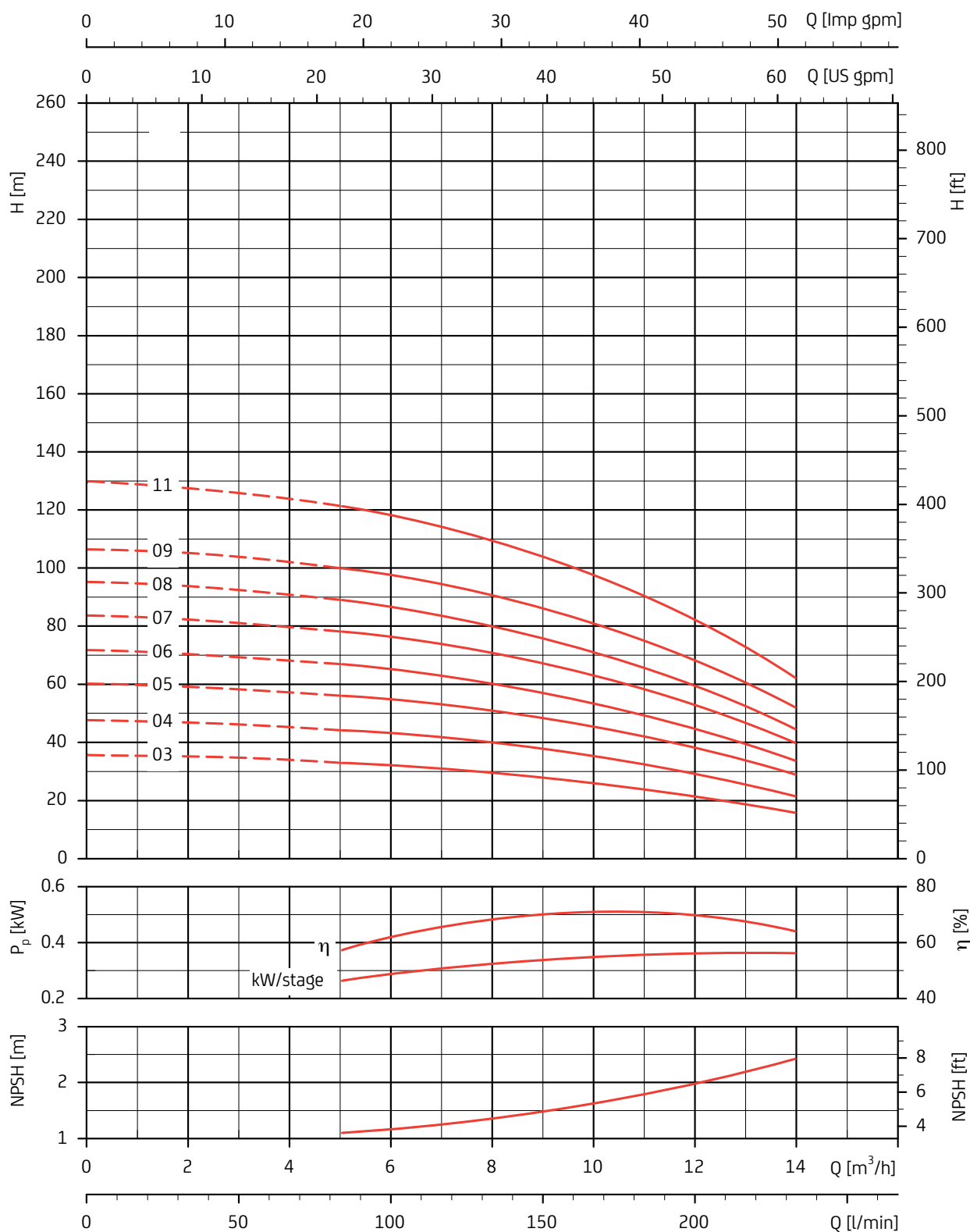
ISO 9906 - Annex A



VR2/3-10

~2900 rpm

ISO 9906 - Annex A

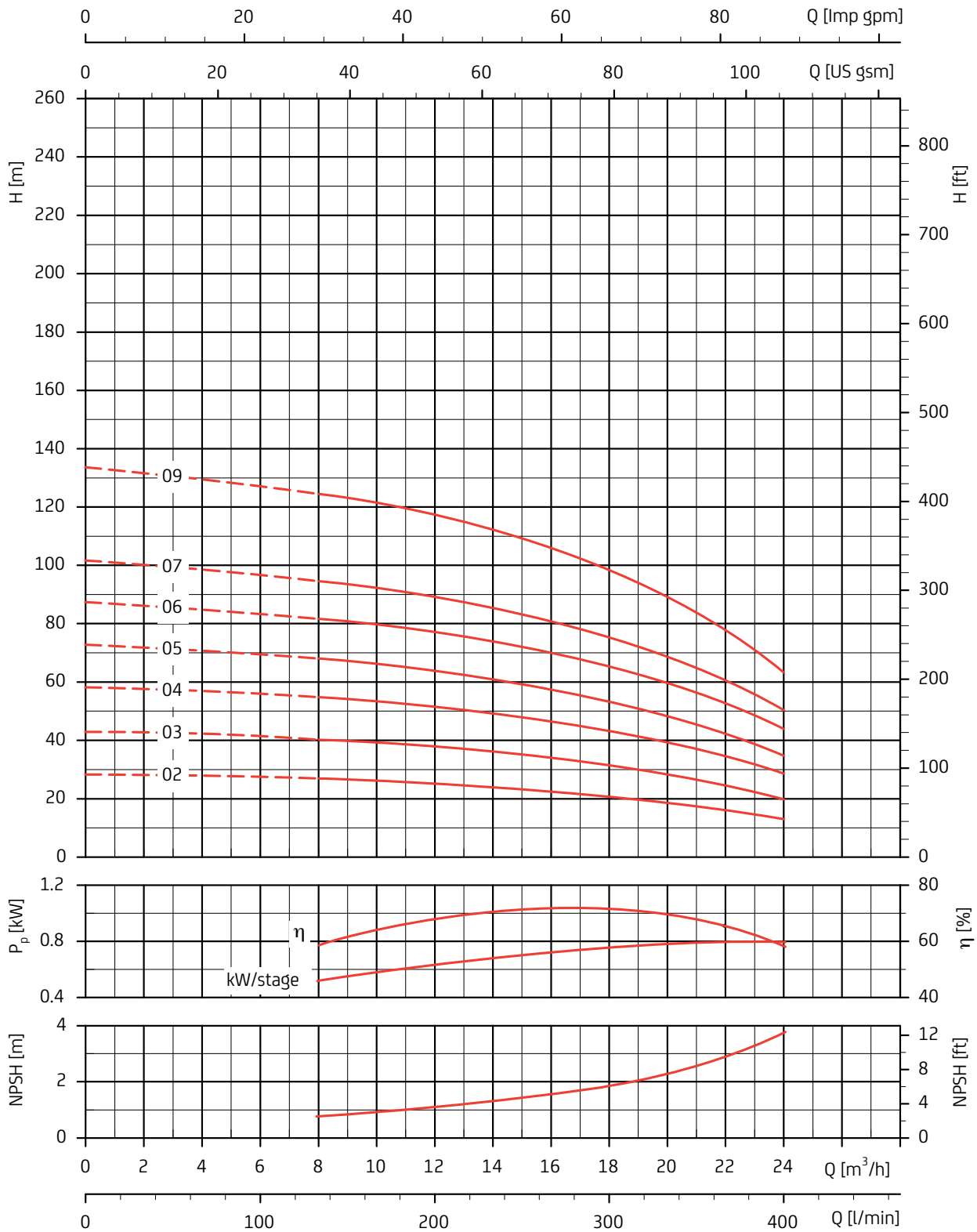




VR2/3-15

~2900 rpm

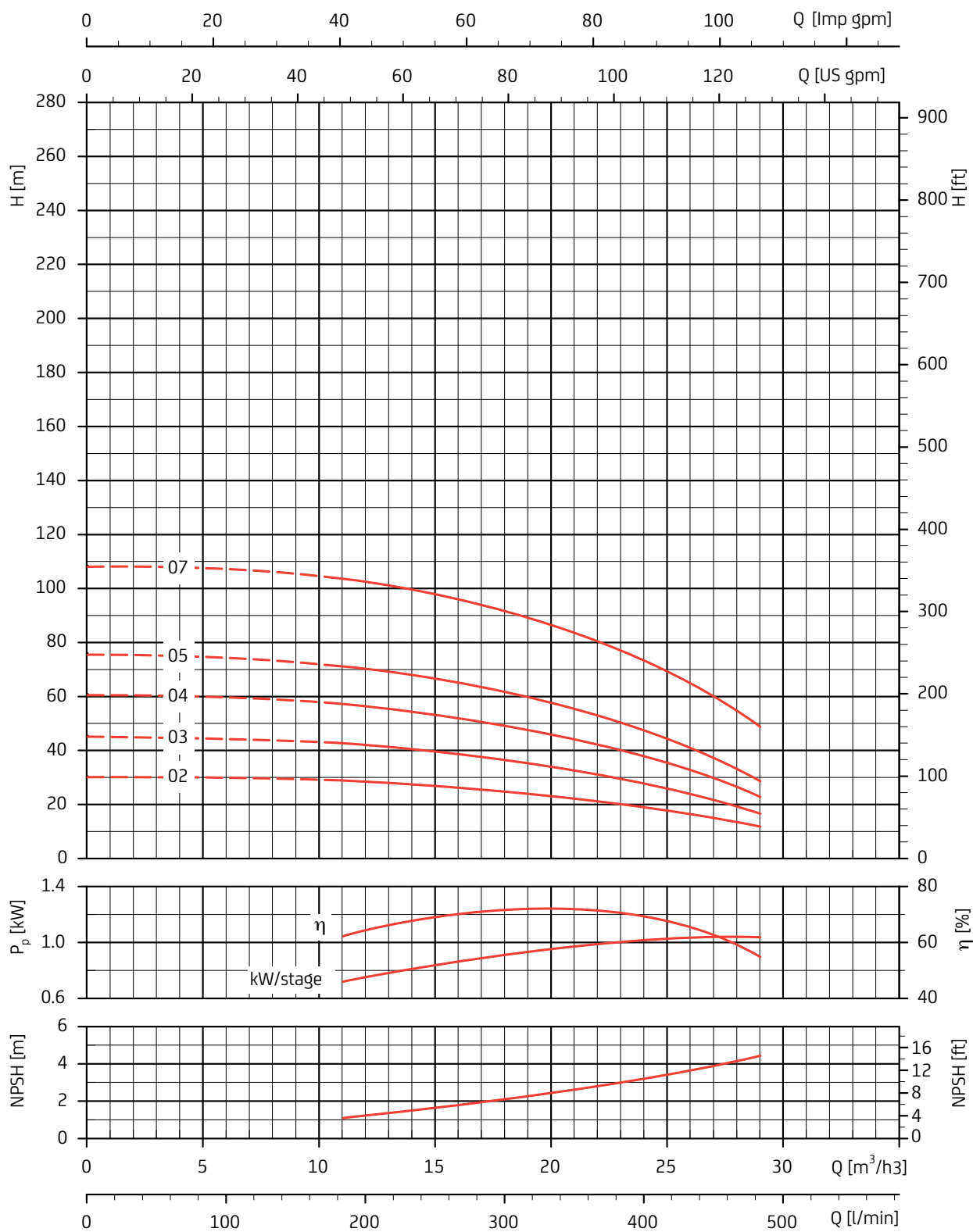
ISO 9906 - Annex A



VR2/3-22

~2900 rpm

ISO 9906 - Annex A





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