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# serie ULTRA/V

## ХАРАКТЕРИСТИКИ / CHARACTERISTICS
## CARACTERISTICAS / CARATERISTIQUES

**ПРИМЕНЕНИЕ –** многоступенчатый вертикальный центробежный насос из нержавеющей стали. Перекачивание чистой без примесей жидкости в частном, сельскохозяйственном и промышленном секторе; системы повышения давления; ирригация; питьевая и гликолевая вода; водоочистительные системы; пищевая промышленность; системы отопления и кондиционирования воздуха; моечные системы.

**ПРЕИМУЩЕСТВА –** моноблочная компактная конструкция; бесшумность; превосходные показатели продуктивности, позволяющие значительно снизить эксплуатационные расходы и затраты энергии; экономичность; превышающие стандартные габариты подшипники для долговечности в эксплуатации; промежуточная направляющая вала для обеспечения соосности вращения.

**ОСОБЕННОСТИ КОНСТРУКЦИИ –** пропускная способность: до 26 $m^3/h$; суммарная высота напора: до 125 м; максимальное рабочее давление: 8 bar ≤ 6 рабочих колес; 14 bar > 6 рабочих колес; температурная зона жидкости: от +5 до +35 °C; температура окружающей среды: до 40 °C.

**ДВИГАТЕЛЬ -** двухполюсный асинхронный электродвигатель; однофазные модели – 230 В – 50 Гц с тепловой защитой до P2= 1,85 Kw; трехфазные модели – 230/400 В – 50 Гц; изоляция класса F; степень защиты IP 44.

**МАТЕРИАЛЫ –** корпус с фланцевым входным и выходным отверстием – чугун; обшивка, кольцо герметизирующего уплотнения – хромоникелевая сталь AISI 304; рабочие колеса, диффузоры - Noryl® с добавлением стекловолокна (GFN2V); вал привода насоса - хромоникелевая сталь AISI 303; опора двигателя - алюминиевый сплав; герметизирующее уплотнение – графитокерамика до 6 ступеней, графит-кремний – начиная с 7 ступеней; промежуточная направляющая вала – керамика-вольфрам.

**USES -** Multistage vertical pumps. Pumping of clean non-loaded fluids in the domestic, agricultural and industrial sectors; pressurizing systems; irrigation; drinking and glycol water; water treatment; food industry; heating and air conditioning; washing system.

**ADVANTAGES -** Closed coupled and compact; silent; excellent efficiency that allows a reduction of running cost ad powers; economical; over-dimensioned bearings for longer life of the machines; intermediate shaft guiding stage for concentricity of rotation.

**CONSTRUCTION FEATURES -** Capacity: up to 26 $m^3/h$; total Head: up to 125 m.; maximum working pressure: 8 bar ≤ 6 impellers, 14 bar > 6 impellers; maximum liquid temperature: from +5 to +35 °C; ambient temperature: max 40 °C.

**MOTOR -** 2 pole induction Motor; single phase 230V - 50Hz with thermal protector up to P2= 1,85 kW; three phase 230-400V - 50 Hz; insulation class F; protection degree IP 44.

**MATERIALS -** Flanged siction pump body: cast iron; flanged delivery pump body: cast iron; shell: chromo-nickel steel AISI 304; impellers, diffusers: Noryl® renforced with fiber glass (GFN2V); pump shaft: AISI 303 cromo-nickel steel; motor bracket: cast iron; mechanical seal: ceramic-graphite up to 6 stages - graphite-silicon carbide from 7 stages; intermediate shaft guiding stage bush: ceramic-tungsten carbide.

**UTILIZACIONES -** Bombas centrifugas verticales. Bombeo de líquidos químicamente y mecánicamente no agresivos en el sector doméstico, agricola e industria; sistemas de presurización; riegos; agua potable o con glycol; tratamientos del agua; industria alimenticia; calefacción y refrigeración; sistemas de lavado.

**VENTAJAS -** Versión monobloc compacta con medidas reducidas; extrema silenciosidad de funcionamiento; excelente rendimiento con desminución de los costes de ejercicio y de las potencias; economica; cojinetes del motor sobredimensionados para una mayor duraciòn; cojinete intermedio guía-eje que garantiza la coaxialidad de rotación.

**CARACTERÍSTICAS CONSTRUCTIVAS -**Caudal hasta los 26 $m^3/h$; prevalencia hasta los 125 mt.; maxima presión de ejercicio 8 bar ≤ 6 rodetes, 14 bar > 6 rodetes; temperatura de ejercicio del liquido bombeado: de +5 a +35 °C; temperatuta del ambiente max 40°C.

**MOTOR -** Motor de 2 polos a inducción; monofasico 230v-50hz dotado de protección térmica hasta P2= 1,85 kW; trifasico 230/400v-50hz; aislamiento clase F; protección IP44.

**MATERIALES -** Bridas de aspiración/envío cuerpo bomba: fundición; camisa: acero cromo-níquel AISI304; rodetes, difusores: Noryl® reforzado con fibra de vidrio (GFN2V); eje: acero cromo-níquel AISI303; soporte motor: fundición; sello mecánico: cerámica-grafito hasta los 6 estadios - grafito-carburo de silicio de los 7 estadios; cojinete intermedio guía-eje: ceramica-carburo de tungsteno.

**UTILISATION -** Pompes multicellulaires verticales. Pour le pompage d'eaux propres non chargées pour des applications domestiques, agricoles, industrielles; groupes de surpression; irrigation; eau potable ou solution de glycol; traitement des eaux; industrie alimentaire; chauffage et Climatisation; stations de lavage auto.

**AVANTAGES -** Version monobloc compact; silencieux; rendement excellent avec une diminution remarcable des coût de fontionnement et des puissance; économique; roulements surdimensionnés et étage de guidage intermédiaire pour une durée de vie prolongée des machines; roulement intermédiaire étage de guidage qui garantie le coaxialité de rotation.

**CARACTÉRISTIQUES D'EXÉCUTION -** Débit jusqu'à 26 $m^3/h$; hauteur jusque'à 125 m.; pression max. de fonctionnement 8 bar ≤ 6 roues, 14 bar 6 roues; température du liquide pompé: de +5 à +35 °C; température ambiante max 40 °C.

**MOTEUR -** Moteur 2 pôles à induction; monophasé 230 V – 50 Hz avec protection thermique jusqu'à P2= 1,85 kW; triphasé 230/400 V – 50 Hz; isolation en classe F; degré de protection IP 44.

**MATERIAUX -** Brides corps de pompe: fonte; chemise externe: acier au chrome-nickel AISI 304; roues, diffuseurs: Noryl® renforcé avec fibre de verre (GFN2V); arbre: acier au chrome-nickel AISI 303; support moteur: fonte; garniture mécanique: céramique – graphite jusqu'à 6 étages, graphite - carbure de silicium à partir de plus de 7 étages; douilles étage de guidage intermédiaire: céramique - carbure de tungstène.

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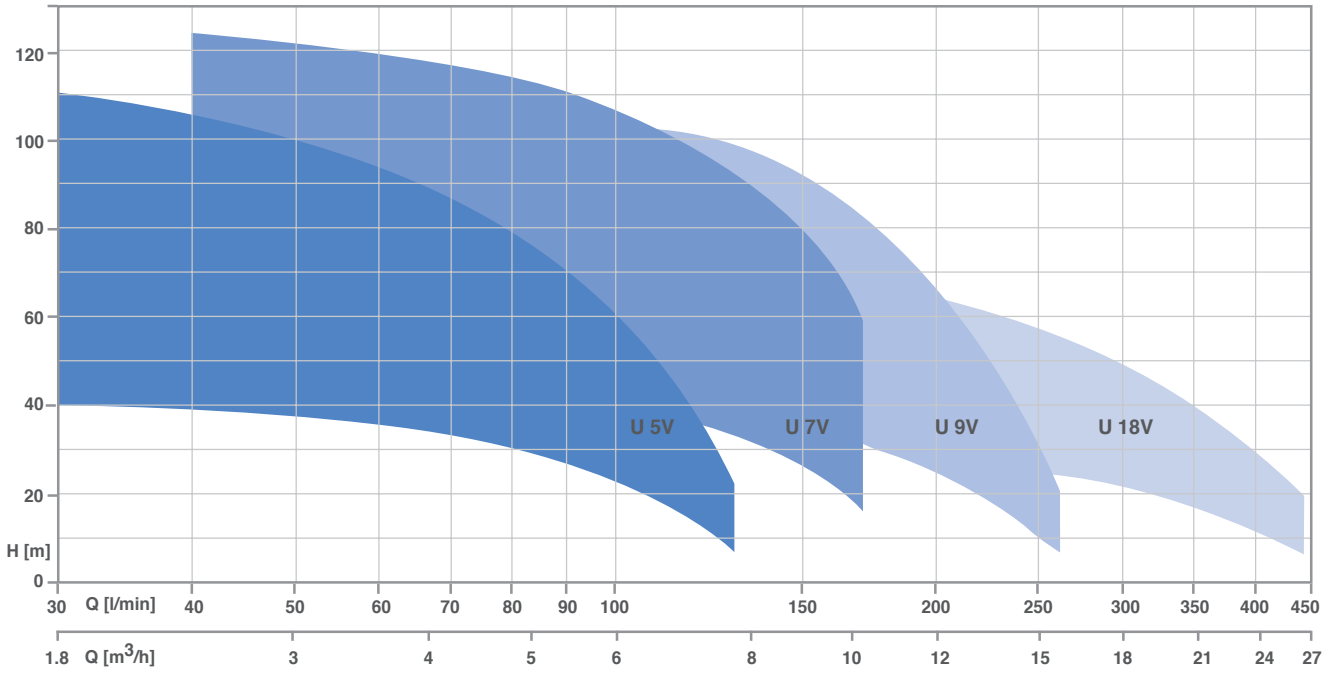
**U 5 V - 120 / 4 T**

- **Трехфазные** - Three-phase
- **Количество рабочих колес** - no. of impellers
- **Номинальная мощность HPx100** - Nominal Power HPx100
- **Вертикальный** - Vertical
- **Номинальная пропускная способность $m^3/h$** - Nominal flow-rate $m^3/h$
- **Модель** - Type **ULTRA**



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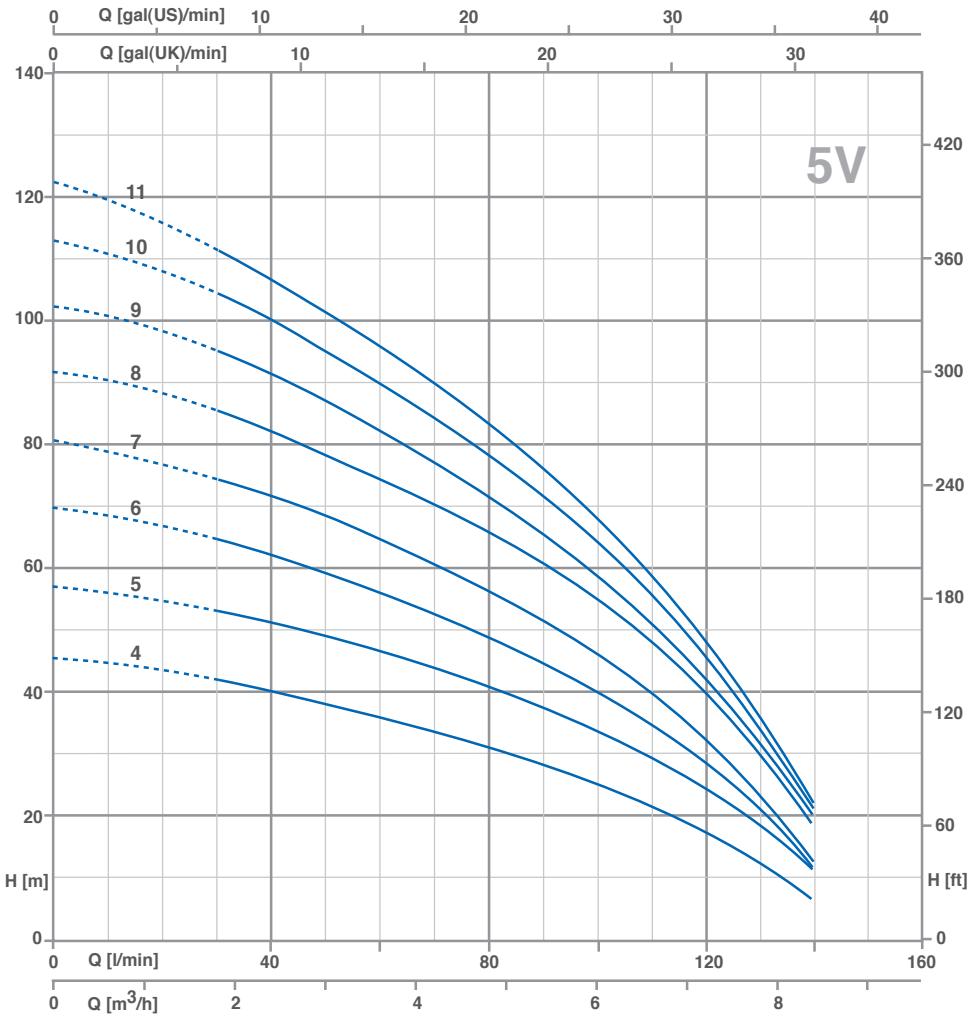
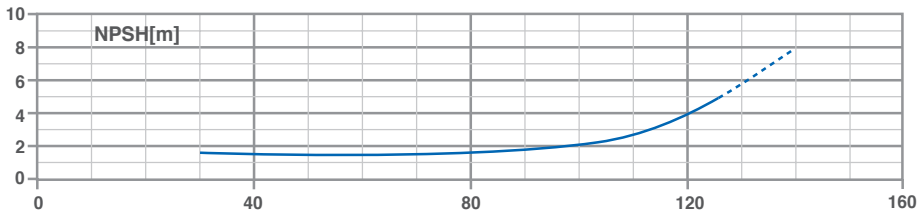
## ULTRA 5V




## ТЕХНИЧЕСКИЕ ДАННЫЕ / Technical data / Datos técnicos /Données tecniques

| МОДЕЛЬ / TYPE / MODELO / MODÈLE | | P2 | | P1 (kW) | | AMPERE | | Q ($m^3$/h - l/min) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1~ | 3~ | | | | | 1~ | 3~ | 0 | 1.8 | 2.4 | 3.6 | 4.8 | 6 | 7.2 | 8.4 |
| | | | | | | | | 0 | 30 | 40 | 60 | 80 | 100 | 120 | 140 |
| 230 V - 50 Hz | 230 / 400 V - 50 Hz | (HP) | (kW) | 1~ | 3~ | 1x230V 50Hz | 3x400V 50Hz | H (m) | | | | | | | |
| U 5V-120/4 | U 5V-120/4 T | 1.2 | 0.9 | 1.13 | 1.13 | 5.2 | 2.5 | 45.3 | 41.3 | 39.6 | 35.6 | 30.8 | 24.9 | 17.6 | 6.4 |
| U 5V-150/5 | U 5V-150/5 T | 1.5 | 1.1 | 1.47 | 1.39 | 6.8 | 2.8 | 56.8 | 53 | 51 | 46.1 | 40.1 | 33.3 | 24.8 | 11.5 |
| U 5V-180/6 | U 5V-180/6 T | 1.8 | 1.3 | 1.7 | 1.62 | 7.7 | 3 | 69.3 | 64.4 | 62 | 55.6 | 48.2 | 39.6 | 28.8 | 12 |
| U 5V-200/7 | U 5V-200/7 T | 2 | 1.5 | 2 | 1.86 | 9 | 3.4 | 80.3 | 73.6 | 71 | 64.5 | 56.1 | 46 | 33.4 | 12.5 |
| U 5V-250/8 | U 5V-250/8 T | 2.5 | 1.85 | 2.37 | 2.17 | 10.7 | 4.1 | 91.4 | 85 | 81.8 | 74.3 | 65.5 | 54.7 | 40.4 | 19.1 |
| U 5V-280/9 | U 5V-280/9 T | 2.8 | 2.1 | 2.6 | 2.4 | 11.7 | 4.4 | 102.1 | 94.6 | 90.7 | 81.6 | 71 | 58.5 | 42.3 | 20.1 |
| U 5V-300/10 | U 5V-300/10 T | 3 | 2.2 | 2.84 | 2.73 | 12.8 | 4.9 | 112.7 | 103.9 | 99.9 | 89.8 | 78.25 | 64 | 46.4 | 21 |
| U 5V-350/11 | U 5V-350/11 T | 3.5 | 2.57 | 2.95 | 2.89 | 13.3 | 5 | 122 | 111.2 | 106.3 | 95.6 | 83.1 | 67.6 | 48.2 | 22 |

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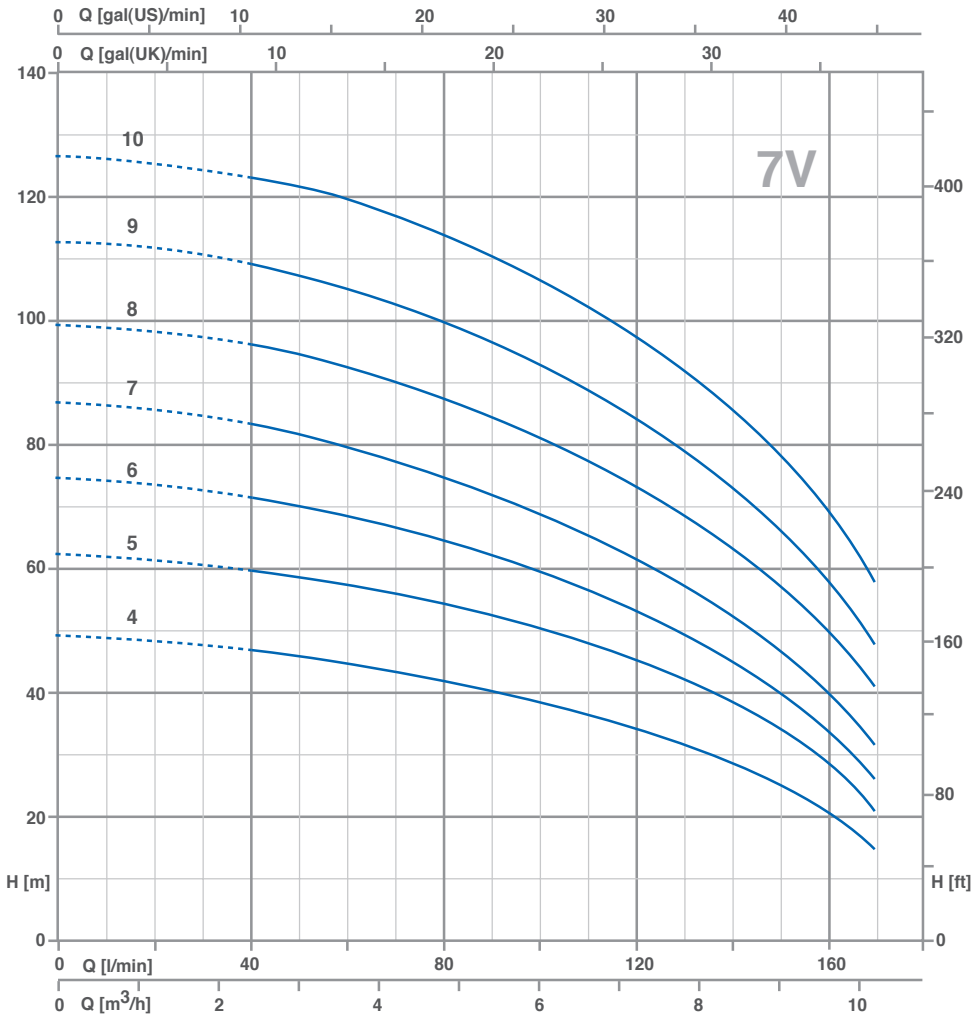
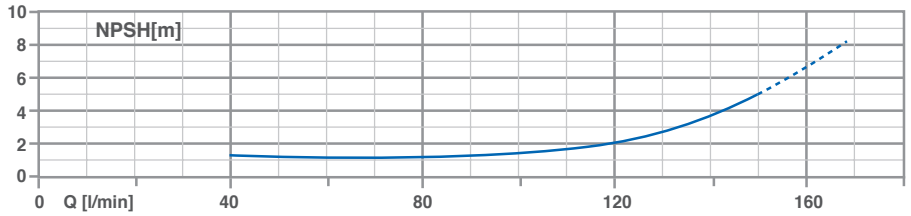
## ULTRA 7V




## ТЕХНИЧЕСКИЕ ДАННЫЕ / Technical data / Datos técnicos /Données tecniques

| МОДЕЛЬ / TYPE / MODELO / MODÈLE | | P2 | | P1 (kW) | | AMPERE | | Q ($m^3$/h - l/min) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1~ | 3~ | | | | | 1~ | 3~ | 0 | 2.4 | 3.6 | 4.8 | 6 | 7.2 | 8.4 | 9.6 | 10.2 |
| | | | | | | | | 0 | 40 | 60 | 80 | 100 | 120 | 140 | 160 | 170 |
| 230 V - 50 Hz | 230 / 400 V - 50 Hz | (HP) | (kW) | 1~ | 3~ | 1x230V 50Hz | 3x400V 50Hz | H (m) | | | | | | | | |
| **U 7V-180/4** | **U 7V-180/4 T** | 1.8 | 1.3 | 1.83 | 1.71 | 8.3 | 3.2 | 49.5 | 47.4 | 45.3 | 42.5 | 39.2 | 34.8 | 29.4 | 22.6 | 16.9 |
| **U 7V-250/5** | **U 7V-250/5 T** | 2.5 | 1.85 | 2.39 | 2.15 | 10.9 | 4.2 | 62.6 | 60.6 | 58.2 | 55.1 | 51.1 | 45.8 | 39 | 29.8 | 21.5 |
| **U 7V-300/6** | **U 7V-300/6 T** | 3 | 2.2 | 2.68 | 2.63 | 12.2 | 5 | 74.8 | 71.5 | 68.3 | 64.5 | 59.3 | 53 | 44.6 | 34.5 | 26.7 |
| - | **U 7V-350/7 T** | 3.5 | 2.57 | - | 3.04 | - | 5.5 | 87.2 | 83.3 | 79.3 | 74.6 | 68.9 | 61.9 | 52.5 | 41 | 32.2 |
| - | **U 7V-400/8 T** | 4 | 3 | - | 3.6 | - | 6.8 | 99.5 | 96.1 | 92.6 | 87.9 | 81.9 | 74.6 | 64.4 | 51 | 43 |
| - | **U 7V-450/9 T** | 4.5 | 3.31 | - | 4.09 | - | 7 | 113.2 | 109.7 | 105.4 | 100.1 | 93.5 | 84.8 | 73.6 | 59.6 | 49 |
| - | **U 7V-550/10 T** | 5.5 | 4 | - | 4.6 | - | 8.3 | 127 | 123.8 | 119.6 | 114.1 | 106.6 | 97.6 | 86 | 70.3 | 61 |

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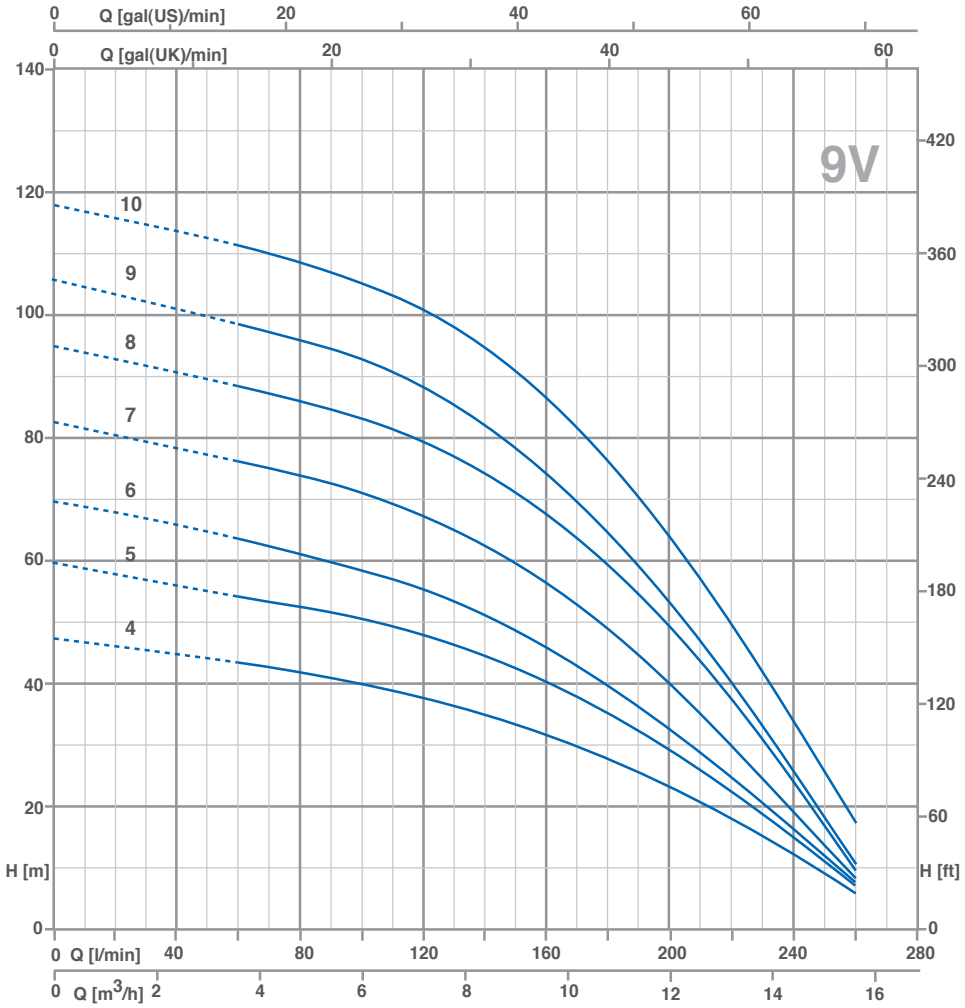
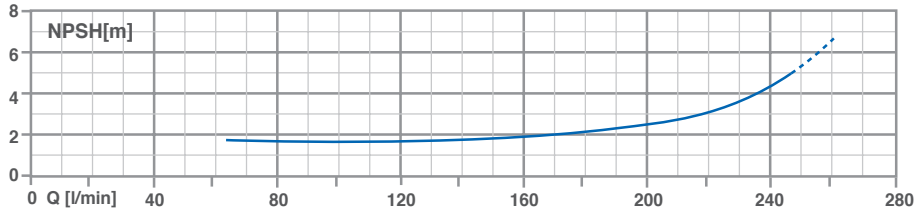
## ULTRA 9V




## ТЕХНИЧЕСКИЕ ДАННЫЕ / Technical data / Datos técnicos /Données tecniques

| МОДЕЛЬ / TYPE / MODELO / MODÈLE | | P2 | | P1 (kW) | | AMPERE | | Q ($m^3$/h - l/min) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1~ | 3~ | | | | | 1~ | 3~ | 0 | 3.6 | 4.8 | 6 | 7.2 | 8.4 | 9.6 | 10.8 | 12 | 13.2 | 14.4 | 15.6 |
| | | | | | | | | 0 | 60 | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 | 260 |
| 230 V - 50 Hz | 230 / 400 V - 50 Hz | (HP) | (kW) | 1~ | 3~ | 1x230V 50Hz | 3x400V 50Hz | H (m) | | | | | | | | | | | |
| **U 9V-200/4** | **U 9V-200/4 T** | 2 | 1.5 | 1.88 | 1.77 | 8.4 | 3.3 | 47.1 | 43.5 | 42 | 40.5 | 38.3 | 35.7 | 32.4 | 28.4 | 23.8 | 18.9 | 13.3 | 7.3 |
| **U 9V-250/5** | **U 9V-250/5 T** | 2.5 | 1.85 | 2.32 | 2.18 | 10.6 | 4.3 | 59.2 | 54.4 | 52.4 | 50.4 | 47.9 | 44.8 | 40.5 | 35.5 | 29.8 | 23.5 | 16.3 | 8.5 |
| **U 9V-300/6** | **U 9V-300/6 T** | 3 | 2.2 | 2.74 | 2.64 | 12.2 | 4.8 | 69.4 | 63.7 | 61.4 | 58.8 | 55.6 | 51.6 | 46.5 | 40.3 | 33.5 | 25.4 | 17 | 9 |
| - | **U 9V-400/7 T** | 4 | 3 | - | 3.09 | - | 5.7 | 82 | 76 | 73.7 | 70.9 | 67.5 | 63 | 57 | 49.7 | 41 | 31.2 | 20.1 | 9.5 |
| - | **U 9V-450/8 T** | 4.5 | 3.31 | - | 3.67 | - | 6.4 | 94.5 | 88.4 | 86 | 83 | 79.4 | 74.7 | 68 | 59.8 | 49.8 | 38.9 | 27 | 11.6 |
| - | **U 9V-500/9 T** | 5 | 3.7 | - | 4.03 | - | 6.9 | 105.4 | 98.9 | 96.1 | 92.7 | 88.5 | 82.8 | 75 | 65.4 | 54.5 | 41.8 | 28 | 12.5 |
| - | **U 9V-550/10 T** | 5.5 | 4 | - | 4.57 | - | 8.3 | 117.6 | 111 | 108.4 | 105.3 | 101.1 | 95.1 | 87.2 | 76.7 | 64.8 | 51.2 | 36.4 | 20.1 |

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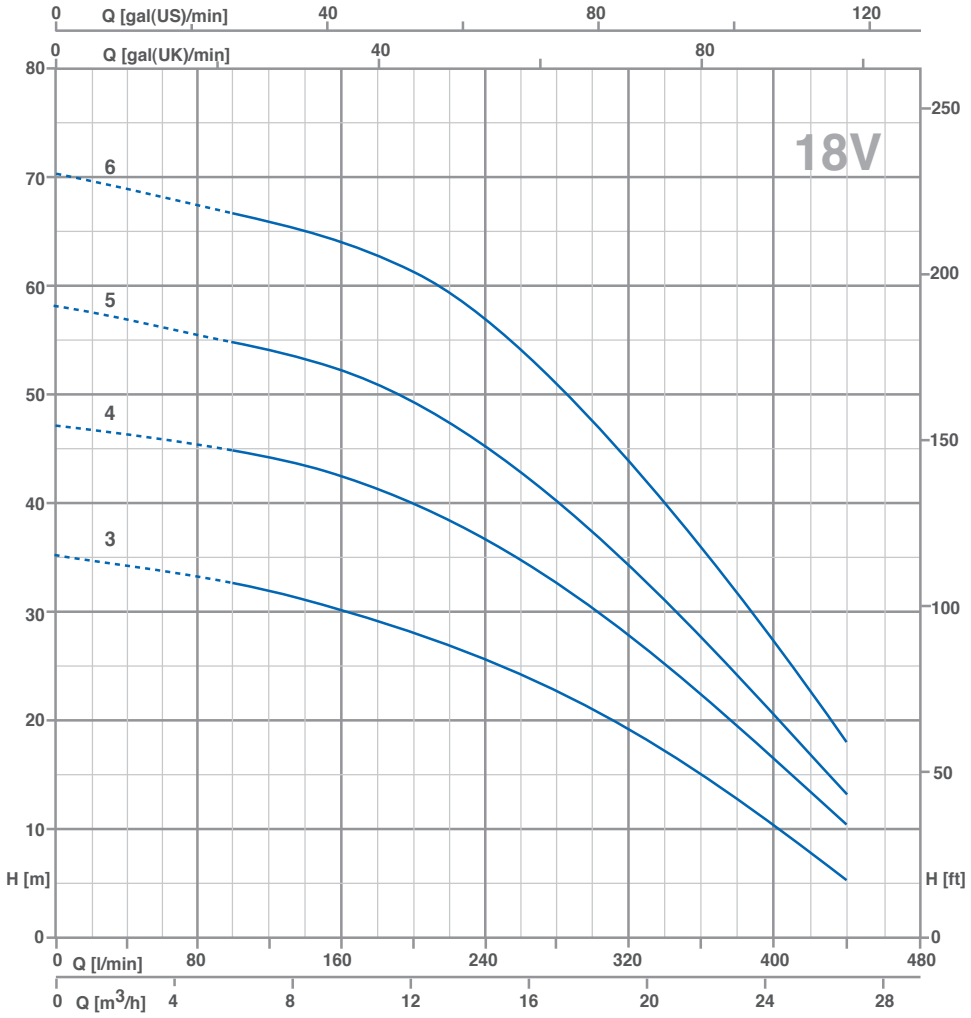
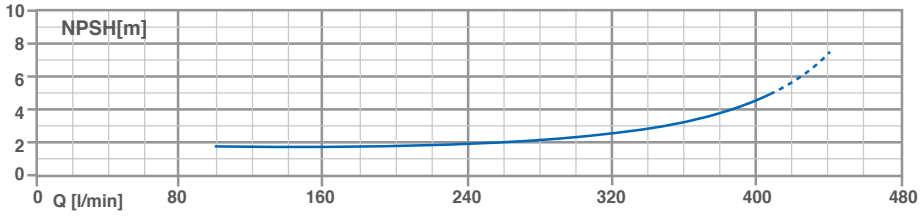
## ULTRA 18V




## ТЕХНИЧЕСКИЕ ДАННЫЕ / Technical data / Datos técnicos /Données tecniques

| TIPO/TYPE MODELO/MODÈLE | P2 | | P1 (kW) | AMPERE | Q ($m^3$/h - l/min) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3~ | | | | 3~ | 0 | 6 | 7.2 | 8.4 | 9.6 | 10.8 | 12 | 13.2 | 14.4 | 15.6 | 16.8 | 18 | 19.2 | 20.4 | 21.6 | 22.8 | 24 | 25.2 | 26.4 |
| | | | | | 0 | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 | 260 | 280 | 300 | 320 | 340 | 360 | 380 | 400 | 420 | 440 |
| 230 / 400 V - 50 Hz | (HP) | (kW) | 3~ | 3x400V 50Hz | H (m) | | | | | | | | | | | | | | | | | | |
| **U 18V-250/3 T** | 2.5 | 1.85 | 2.19 | 4.3 | 35 | 32.7 | 32.2 | 31.4 | 30.5 | 29.5 | 28.3 | 26.7 | 25.5 | 24.3 | 22.8 | 21.2 | 19.3 | 17.3 | 15.1 | 12.9 | 10.8 | 8.7 | 6.1 |
| **U 18V-400/4 T** | 4 | 3 | 2.99 | 5.5 | 47.2 | 44.6 | 44.1 | 43.3 | 42.4 | 41.2 | 40 | 38.5 | 36.7 | 34.9 | 32.9 | 30.5 | 27.9 | 25.3 | 22.7 | 20 | 17.1 | 14.3 | 11.3 |
| **U 18V-450/5 T** | 4.5 | 3.31 | 3.68 | 6.6 | 57.8 | 54.8 | 54.2 | 53.3 | 52.1 | 50.8 | 49.2 | 47.6 | 45.4 | 43.2 | 40.6 | 37.7 | 34.7 | 31.5 | 28.2 | 24.8 | 21.4 | 17.8 | 14.1 |
| **U 18V-550/6 T** | 5.5 | 4 | 4.51 | 8.7 | 70 | 66.6 | 66.1 | 65.4 | 64.3 | 63 | 61.2 | 59.1 | 56.8 | 54.2 | 51.3 | 47.6 | 44 | 40.2 | 36.5 | 32.4 | 28.4 | 24 | 19.3 |

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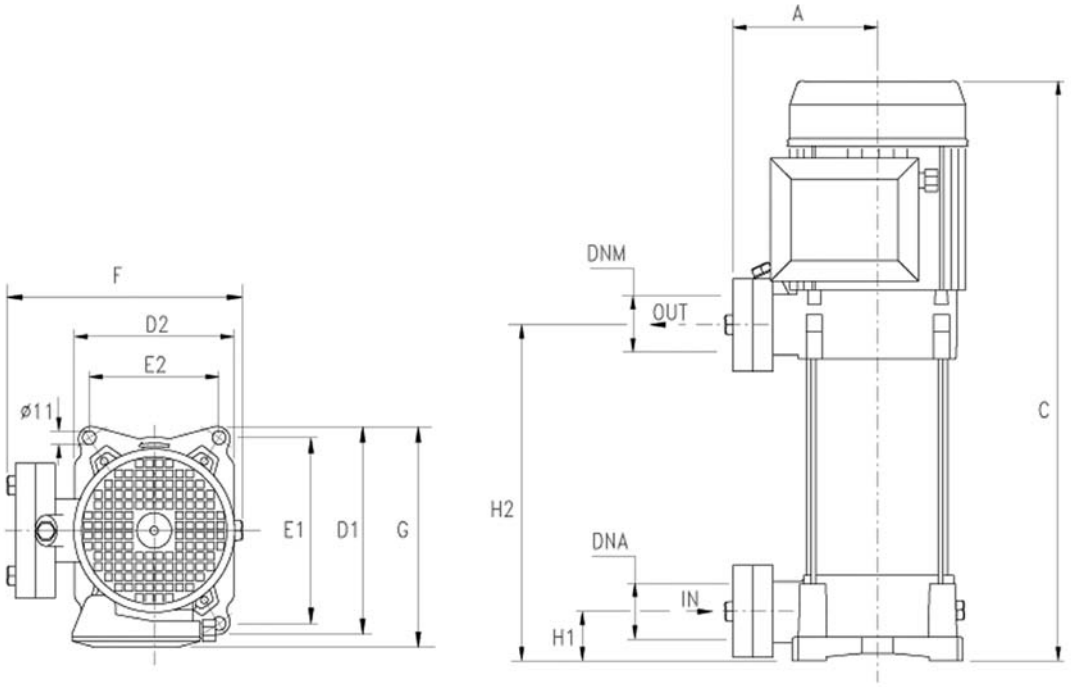
## ULTRA 5V -ULTRA 7V - ULTRA 9V - ULTRA 18V




| МОДЕЛЬ / TYPE MODELO / MODÈLE | РАЗМЕРЫ / DIMENSIONS / DIMENSIONES / DIMENSIONS (mm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | C | D1 | D2 | E1 | E2 | F | G | H1 | H2 | DNA | DNM |
| U 5V-120/4 | 135 | 389 | 204 | 162 | 178.5 | 125 | 229 | 213 | 40 | 178 | 1”1/4 G | 1”1/4 G |
| U 5V-150/5 | 135 | 443 | 204 | 162 | 178.5 | 125 | 229 | 215 | 40 | 208.5 | | |
| U 5V-180/6 | 135 | 467 | 204 | 162 | 178.5 | 125 | 229 | 215 | 40 | 232.5 | | |
| U 5V-200/7 | 135 | 491 | 204 | 162 | 178.5 | 125 | 229 | 215 | 40 | 256.5 | | |
| U 5V-250/8 | 135 | 515 | 204 | 162 | 178.5 | 125 | 229 | 215 | 40 | 280.5 | | |
| U 5V-280/9 | 135 | M 584 / T 539 | 204 | 162 | 178.5 | 125 | 229 | M 230 / T 215 | 40 | 304.5 | | |
| U 5V-300/10 | 135 | M 608 / T 563 | 204 | 162 | 178.5 | 125 | 229 | M 230 / T 215 | 40 | 328.5 | | |
| U 5V-350/11 | 135 | 626 | 204 | 162 | 178.5 | 125 | 229 | 230 | 40 | 352.5 | | |
| U 7V-180/4 | 135 | 419 | 204 | 162 | 178.5 | 125 | 229 | 215 | 40 | 184.5 | 1”1/4 G | 1”1/4 G |
| U 7V-250/5 | 135 | 443 | 204 | 162 | 178.5 | 125 | 229 | 215 | 40 | 208.5 | | |
| U 7V-300/6 | 135 | 467 | 204 | 162 | 178.5 | 125 | 229 | 215 | 40 | 232.5 | | |
| U 7V-350/7 | 135 | 552 | 204 | 162 | 178.5 | 125 | 229 | 230 | 40 | 256.5 | | |
| U 7V-400/8 | 135 | 576 | 204 | 162 | 178.5 | 125 | 229 | 230 | 40 | 280.5 | | |
| U 7V-450/9 | 135 | 633 | 204 | 162 | 178.5 | 125 | 235 | 250 | 40 | 304.5 | | |
| U 7V-550/10 | 135 | 657 | 204 | 162 | 178.5 | 125 | 235 | 250 | 40 | 328.5 | | |
| U 9V-200/4 | 135 | 443 | 204 | 162 | 178.5 | 125 | 229 | 215 | 40 | 208.5 | 1”1/2 G | 1”1/4 G |
| U 9V-250/5 | 135 | 473 | 204 | 162 | 178.5 | 125 | 229 | 215 | 40 | 238.5 | | |
| U 9V-300/6 | 135 | M 548 / T 503 | 204 | 162 | 178.5 | 125 | 229 | M 230 / T 215 | 40 | 268.5 | | |
| U 9V-400/7 | 135 | 578 | 204 | 162 | 178.5 | 125 | 229 | 230 | 40 | 298.5 | | |
| U 9V-450/8 | 135 | 641 | 204 | 162 | 178.5 | 125 | 235 | 250 | 40 | 328.5 | | |
| U 9V-500/9 | 135 | 671 | 204 | 162 | 178.5 | 125 | 235 | 250 | 40 | 358.5 | | |
| U 9V-550/10 | 135 | 701 | 204 | 162 | 178.5 | 125 | 235 | 250 | 40 | 388.5 | | |
| U 18V-250/3 T | 135 | 451 | 204 | 162 | 178.5 | 125 | 229 | 215 | 50 | 213.5 | 2”G | 1”1/2 G |
| U 18V-400/4 T | 135 | 534 | 204 | 162 | 178.5 | 125 | 229 | 230 | 50 | 251 | | |
| U 18V-450/5 T | 135 | 605 | 204 | 162 | 178.5 | 125 | 235 | 250 | 50 | 288.5 | | |
| U 18V-550/6 T | 135 | 642 | 204 | 162 | 178.5 | 125 | 235 | 250 | 50 | 326 | | |