

# MKV

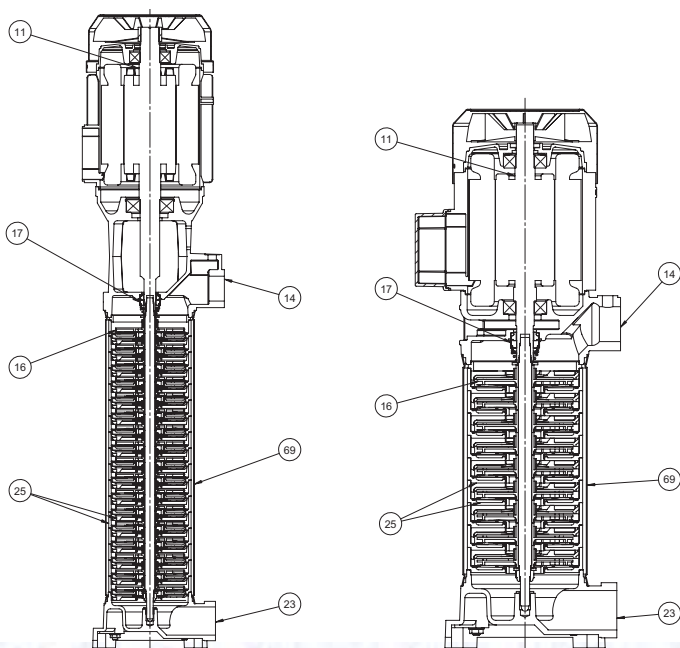
multistadio ad asse verticale



theisin



NOMENCLATURA PARTI DI RICAMBIO  
SPARE PARTS LIST  
NOMENCLATURE PIÉCES DE RECHANGE  
NOMENCLATURA REPUESTOS



- 11 Albero con rotore – Pump shaft + rotor  
Arbre + rotor – Eje rotor
- 14 Supporto mandata – Outlet bracket  
Support envoyée – Soporte entrega
- 16 Girante – Impeller  
Turbine – Impulsor
- 17 Tenuta meccanica – Mechanical seal  
Garniture mécanique – Cierre mecánico
- 23 Corpo flangia aspirante – Suction flange body  
Corp brida aspirant – Cuerpo brida entrega
- 25 Diffusore – Diffuser  
Diffuseur – Difusor
- 69 Camicia – Cover  
Chemise – Camisa

#### ELETTROPOMPE CENTRIFUGHE MULTISTADIO AD ASSE VERTICALE

Estremamente silenziose ed affidabili, le elettropompe centrifughe ad asse verticale multistadio della serie MKV sono state progettate per pompare liquidi puliti, senza parti abrasive, senza corpi solidi in sospensione, non esplosivi o aggressivi per i materiali della pompa

- Temperatura max. del liquido fino a 35 °C per uso domestico (CEI EN 60335-2-41) o 90 °C per altri usi e temperatura ambiente fino a 40 °C.
- Massima pressione di esercizio 16 bar
- Portate fino a ~ 15 m<sup>3</sup>/h.
- Prevalenze fino a ~ 160 m.

#### CARATTERISTICHE COSTRUTTIVE

- Flangia aspirazione: ghisa G20 con trattamento anticorrosione
- Supporto mandata: ghisa G20 con trattamento anticorrosione
- Camicia: acciaio inox Aisi 304
- Diffusori: Tecnopolimero
- Giranti: Tecnopolimero con anello in acciaio inox Aisi 304
- Albero pompa: acciaio inox Aisi 304
- Tenuta meccanica: carbone-ceramica

#### MOTORE

I motori di comando sono del tipo asincrono a gabbia di scoiattolo chiusi, a ventilazione esterna

- Motoprotettore incorporato e condensatore permanentemente inserito per i tipi monofasi
- La protezione del motore nella versione trifase è a cura del cliente e si raccomandano apparecchiature in accordo con le norme vigenti
- Isolamento classe F – servizio S1- grado di protezione IP 44
- Protezione morsettiera IP 54

#### VERTICAL CENTRIFUGAL MULTISTAGE ELECTRIC PUMPS

Extremely noiseless and reliable the vertical centrifugal multistage electric pumps of the series MKV have been designed to pump clean liquids, without abrasives and suspended solids, non-explosive or aggressive for the pump's materials

- Liquid temperature not higher than 35 °C for domestic use (CEI EN 60335-2-41) or 90 °C for other use, while the ambient temperature must not be higher than 40 °C
- Maximum working pressure is 16 bar
- Flow rate up to ~ 15 m<sup>3</sup>/h
- Heads up to ~ 160 m

#### TECHNICAL FEATURES

- Suction flange: cast iron G20 with anti-corrosive coating
- Outlet bracket: cast iron G20 with anti-corrosive coating
- Cover: stainless steel Aisi 304
- Diffusers: Techno-polymer
- Impellers: Techno-polymer with stainless steel Aisi 304 ring
- Pump shaft: stainless steel Aisi 304
- Mechanical seal: carbon-ceramics

#### MOTOR

The control motors are asynchronous, squirrel cage-type, closed, with external ventilation

- Incorporated motor protection and capacitor always on, for single-phase models
- The motor protection for three-phase models must be installed by the customer. Equipment compliant with current standards should be used
- Class of insulation: F – service: S1 – Degree of protection: IP 44
- Terminal board protection: IP 54



#### ÉLECTROPOMPES CENTRIFUGES MULTISTADIO À AXE VERTICAL

Extrêmement silencieuses et fiables, les électropompes centrifuges à axe vertical multistadio de la série MKV ont été conçues pour pomper des liquides propres, sans parties abrasives, sans corps liquides en suspension, non explosifs ou agressifs pour les matériaux de la pompe

- Température max. du liquide jusqu'à 35 °C pour utilisation domestique (CEI EN 60335-2-41) o 90 °C pour d'autres utilisations e température ambiante jusqu'à 40 °C.
- Pression de service maximale 16 bar
- Plage d'utilisation jusqu'à ~ 15 m<sup>3</sup>/h.
- Hauteur manométrique jusqu'à ~ 160 m.

#### CARACTERISTIQUES DE CONSTRUCTION

- Bride d'aspiration: En fonte G20 avec traitement anti-corrosion
- Support refoulement: En fonte G20 avec traitement anti-corrosion
- Chemise : acier inox Aisi 304
- Diffuseurs: Technopolymère
- Turbine: Technopolymère avec anneau en acier inox Aisi 304
- Abre de pompe: acier inox Aisi 304
- Garniture mécanique: Carbone dur - Céramique

#### MOTOR

Le moteurs sont asynchrones à cage d'écurieil fermés a à ventilation extérieure monofásicos,

- Pour le modèles monophasé son avec protection thermique et condensateur connecté en permanence
- Pour les modèles triphasés, la protection est à la charge de l'utilisateur. A recommandé l'équipement conformément à la réglementation
- A Classe d'isolation F - service S 1 – protection IP44
- Protection IP54 dans le terminal

#### ELECTROBOMBAS CENTRÍFUGAS MULTIETAPA DE EJE VERTICAL

Extremadamente silenciosas y fiables, las electrobombas centrifugas multietapa de eje vertical de la serie MKV han sido proyectadas para bombear líquidos limpios sin partes abrasivas, sin cuerpos sólidos en suspensión, que no sean explosivos ni agresivos para los materiales de la bomba.

- Temperatura max. del líquido hasta 35 °C para uso doméstico (CEI EN 60335-2-41) o 90 °C para otros usos y temperatura ambiente hasta 40 °C.
- Máxima presión de ejercicio 16 bar
- Caudal hasta ~ 15 m<sup>3</sup>/h.
- Alturas hasta ~ 160 m.

#### CARACTERÍSTICAS DE CONSTRUCCIÓN

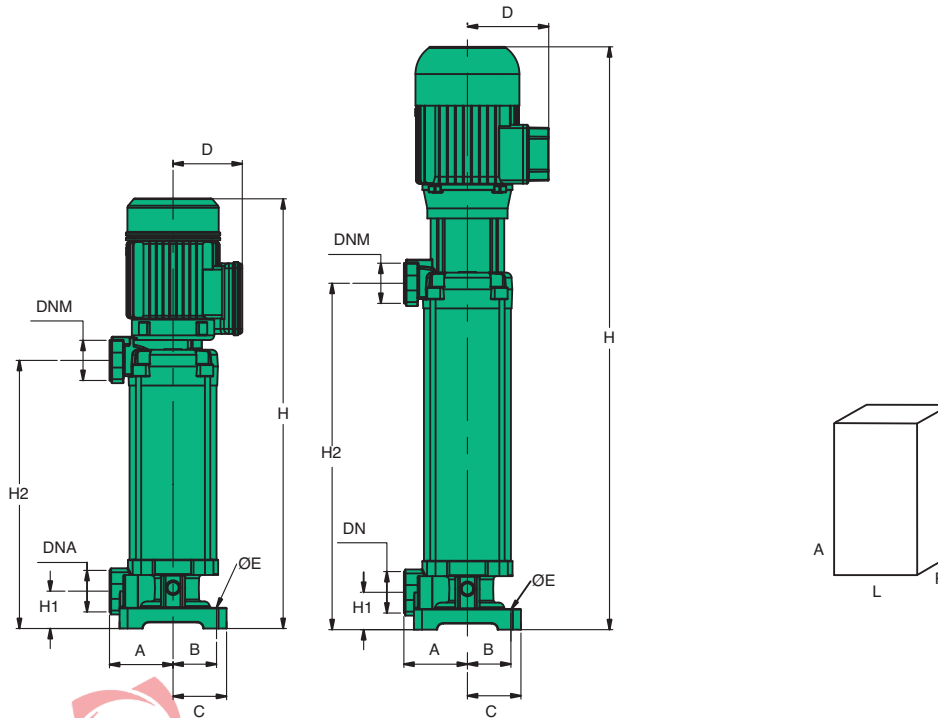
- Brida de aspiración: Fundición gris G20 con tratamiento contra-corrosión
- Suporte de salida : Fundición gris G20 con tratamiento contra-corrosión.
- Camisa: de acero Inox Aisi 304
- Difusores: De tecnopolimero
- Rodetes: De tecnopolimero con el de acero Inox Aisi 304
- Eje de la bomba: de acero Inox Aisi 304
- Cierre mecánico: De cerámica y grafito

#### MOTOR

Los motores de accionamiento son asíncrono de jaula de ardilla cerrados, ventilados externamente

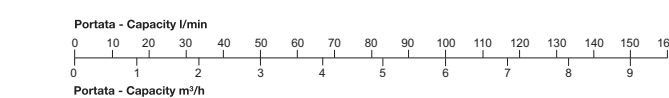
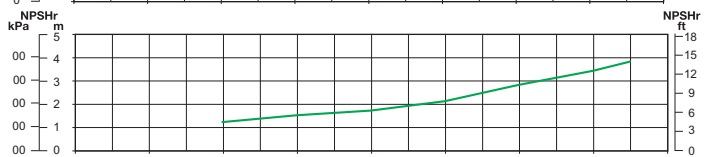
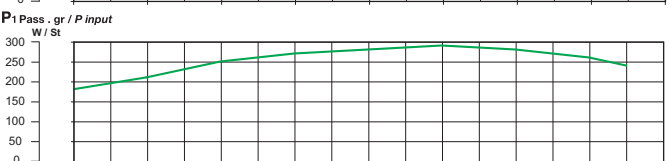
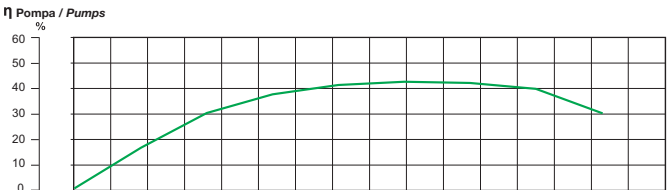
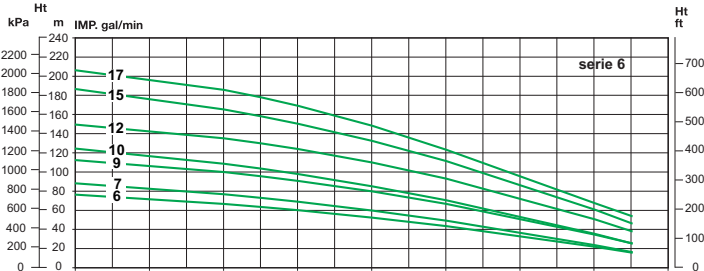
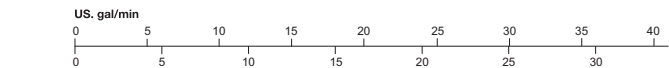
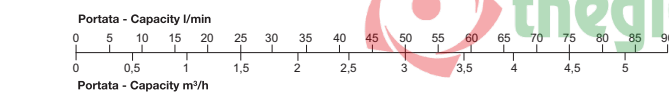
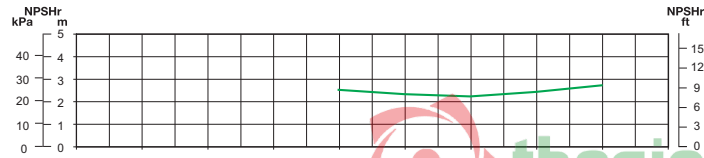
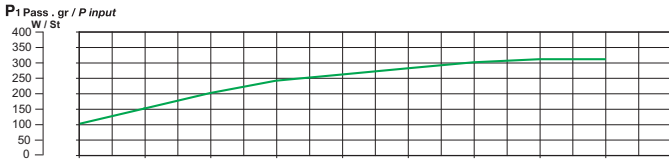
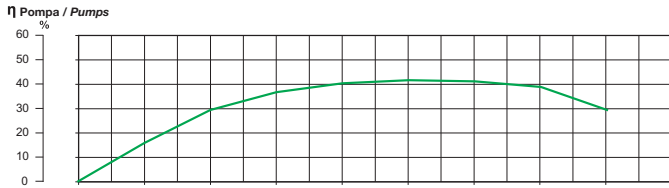
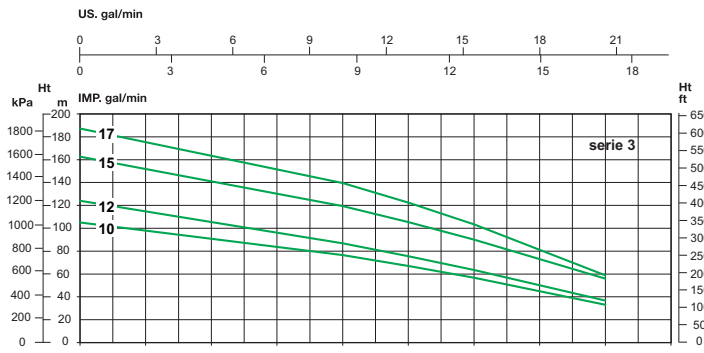
- Para los modelos monofásicos, protección térmica y condensador incorporado
- Para los modelos trifásicos de la protección se encarga el usuario y el equipo recomendado de acuerdo con las normas
- Aislamiento de Clase F – funcionamiento S1- proteccion IP44
- Proteccion IP54 para el terminal



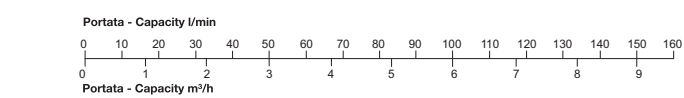
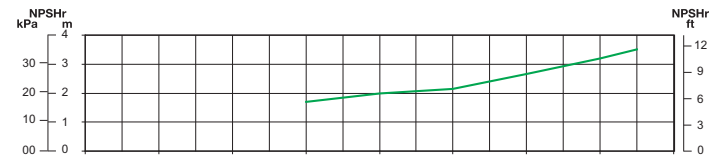
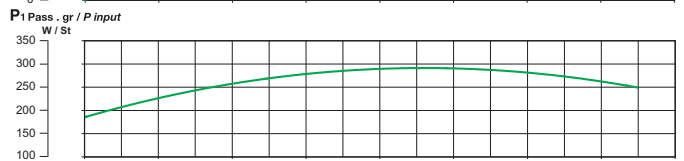
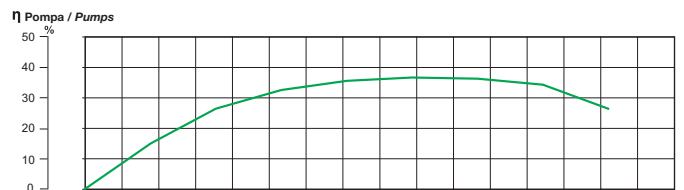
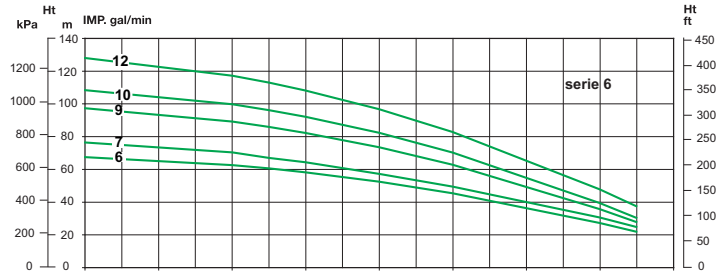
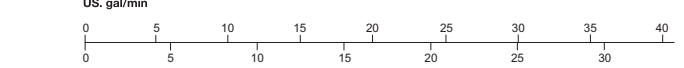
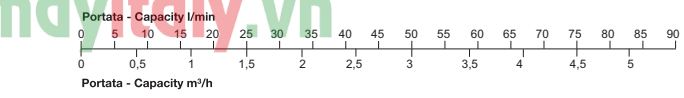
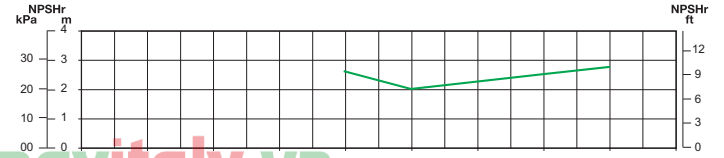
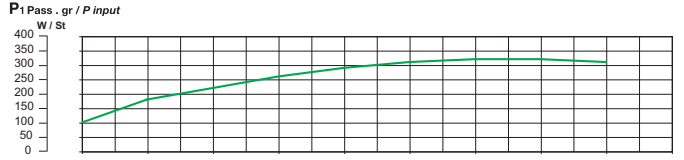
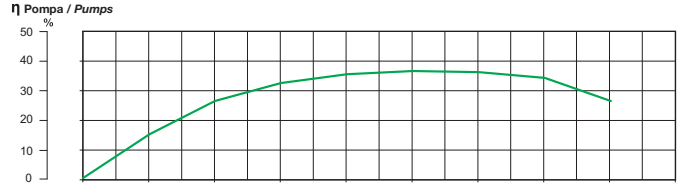
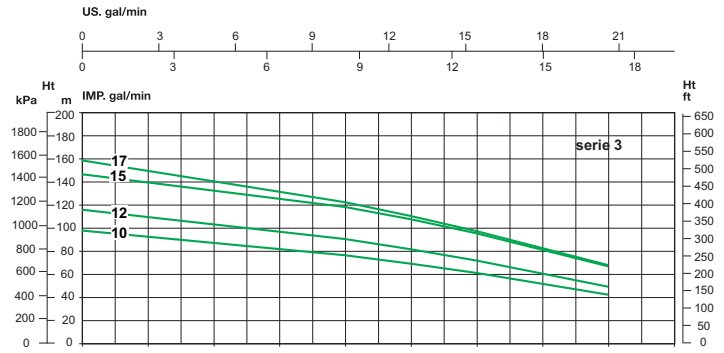


TIPO TYPE	DIMENSIONI [mm] DIMENSIONS [mm]										IMBALLO [mm] PACKING [mm]			PESO WEIGHT [kg]
	A	B	C	D	ØE	H	H1	H2	DNA	DNM	A	L	P	
MKV 3/10	97	67,5	86	131,5	10	630	37	374	1" 1/2	1" 1/4	1000	207	256	30,5
MKV 3/12	97	67,5	86	131,5	10	677	37	423	1" 1/2	1" 1/4	1240	207	256	32,5
MKV 3/15	97	67,5	86	131,5	10	760	37	496	1" 1/2	1" 1/4	1240	207	256	35,5
MKV 3/17	97	67,5	86	131,5	10	810	37	544,5	1" 1/2	1" 1/4	1240	207	256	36,8
MKV 6/6	97	67,5	86	131,5	10	530	37	276,5	1" 1/2	1" 1/4	800	207	256	27,7
MKV 6/7	97	67,5	86	131,5	10	555	37	301	1" 1/2	1" 1/4	1000	207	256	29,3
MKV 6/9	97	67,5	86	131,5	10	616	37	350	1" 1/2	1" 1/4	1000	207	256	32,3
MKV 6/10	97	67,5	86	131,5	10	640	37	374	1" 1/2	1" 1/4	1000	207	256	32,5
MKV 6/12	97	67,5	86	131,5	10	873	37	423	1" 1/2	1" 1/4	1240	207	256	37,5
MKV 6/15	97	67,5	86	131,5	10	958	37	496	1" 1/2	1" 1/4	1240	207	256	40,5
MKV 6/17	97	67,5	86	131,5	10	1007	37	544,5	1" 1/2	1" 1/4	1240	207	256	42
MKV 9/5	97	67,5	86	131,5	10	560	37	327	1" 1/2	1" 1/4	800	207	256	27,3
MKV 9/6	97	67,5	86	131,5	10	630	37	371	1" 1/2	1" 1/4	800	207	256	28,5
MKV 9/7	97	67,5	86	131,5	10	670	37	415	1" 1/2	1" 1/4	1000	207	256	30,9
MKV 9/10	97	67,5	86	138,5	10	1000	37	547	1" 1/2	1" 1/4	1000	207	256	37,5
MKV 9/12	97	67,5	86	138,5	10	1080	37	635	1" 1/2	1" 1/4	1240	207	256	40,5
MKV 9/15	97	67,5	86	138,5	10	1200	37	767	1" 1/2	1" 1/4	1240	207	256	42
MKV 12/5	97	67,5	86	131,5	10	590	37	327	1" 1/2	1" 1/4	800	207	256	27,3
MKV 12/6	97	67,5	86	131,5	10	760	37	371	1" 1/2	1" 1/4	800	207	256	28,5
MKV 12/7	97	67,5	86	131,5	10	870	37	415	1" 1/2	1" 1/4	1000	207	256	36
MKV 12/10	97	67,5	86	131,5	10	1000	37	547	1" 1/2	1" 1/4	1240	207	256	42,5
MKV 12/12	97	67,5	86	131,5	10	1080	37	635	1" 1/2	1" 1/4	1240	207	256	45,5

min<sup>-1</sup> ~ 2900

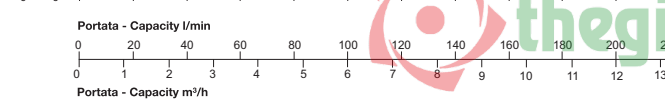
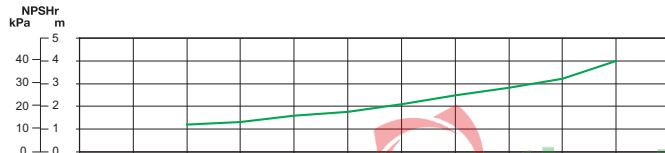
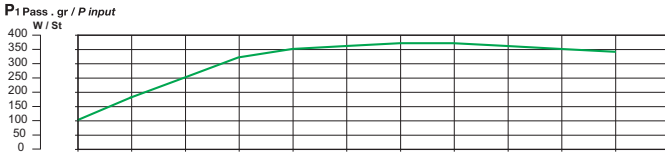
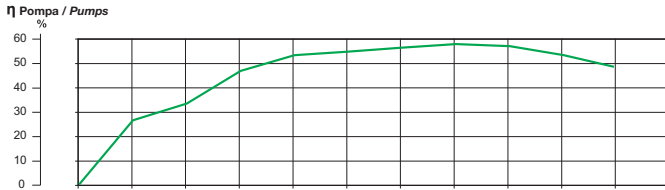
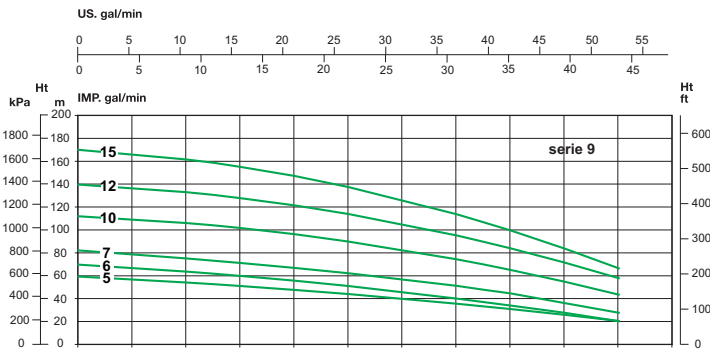


min<sup>-1</sup> ~ 3400

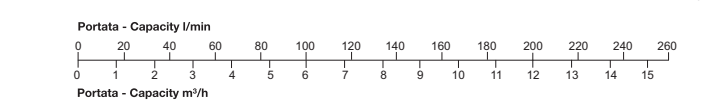
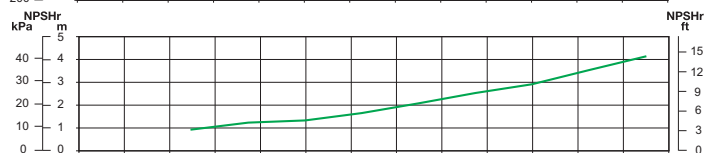
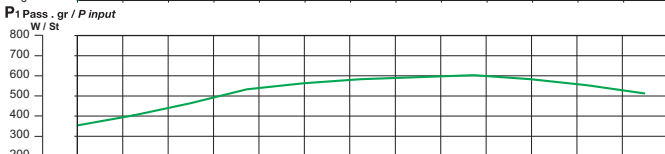
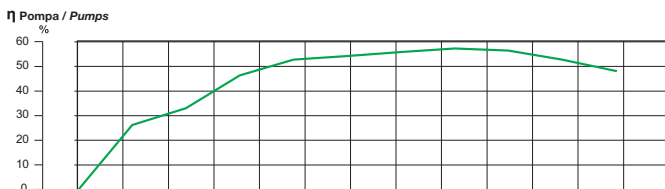
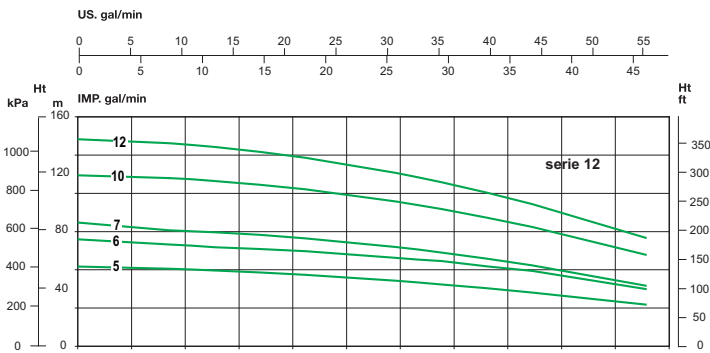
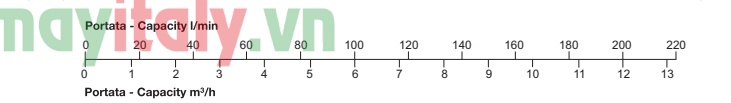
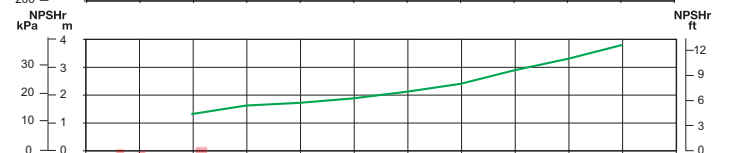
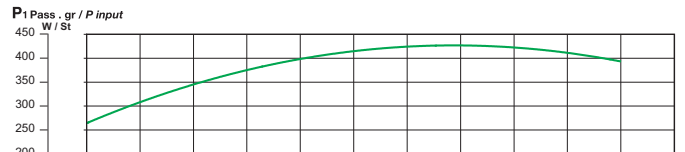
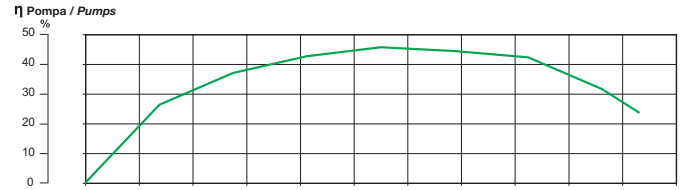
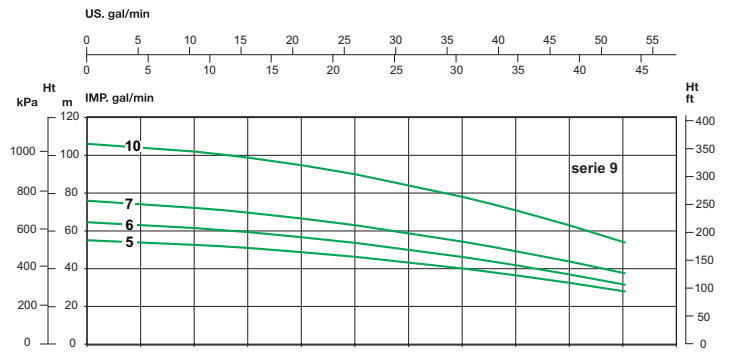


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min<sup>-1</sup> ~ 2900



min<sup>-1</sup> ~ 3400



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