

LENNTECH
WATER TREATMENT SOLUTIONS



-  Clean water
-  Agricultural use
-  Civil use
-  Industrial use

FIELD PERFORMANCE

- Flow rate up to **700 l/min** (42 m³/h)
- Head up to **26 m**

INSTALLATION AND USE

WR centrifugal pumps are designed to transfer clean water free from abrasive particles and liquids that will not damage the pump's components.

Suitable for civil and industrial applications such as **heating, air conditioning, cooling, and circulation** systems.

ELECTRIC MOTOR

The three-phase pumps are equipped with newly developed electric motors designed to work with inverters, which guarantee stable and quiet operation.

Efficiency class **IE3** for three-phase motors and **IE2** for single-phase motors, with class F insulation and IPX4 protection.

INCLUDES

- ✘ Pump's impeller directly mounted on the motor shaft.
- ✘ Pump body with suction and discharge ports of identical diameter.

APPLICATION LIMITS

- Manometric suction head up to **7 m**
- Liquid temperature between **-10 °C** and **+110 °C**
- Ambient temperature between **-10 °C** and **+40 °C**
- Maximum pressure in the pump body **10 bar** (PN10)

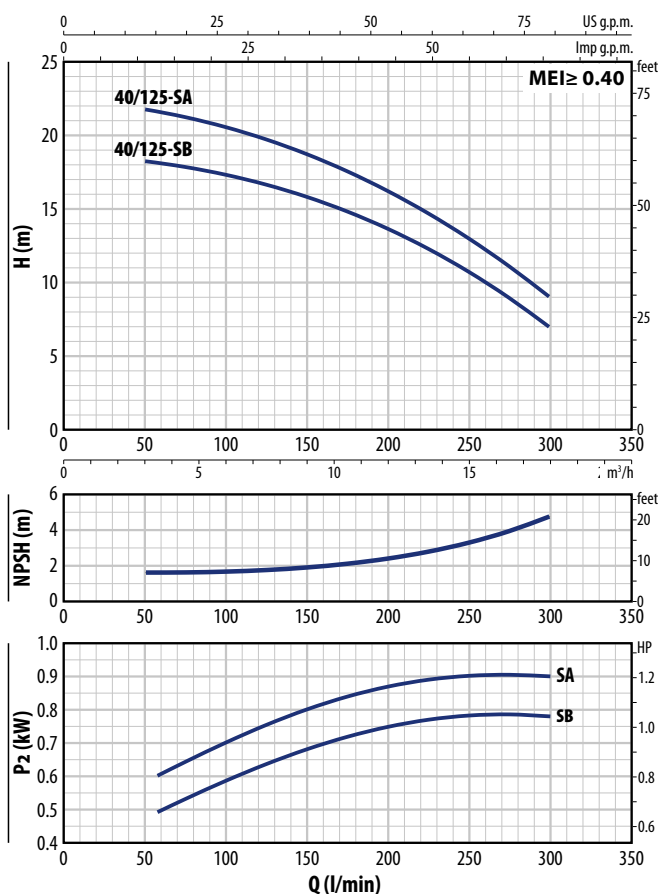
AVAILABLE UPON REQUEST

- ✘ Counterflange KIT including screws, nuts and gaskets
- ✘ Mechanical seal options available
- ✘ Different voltage requirements 60 Hz frequency

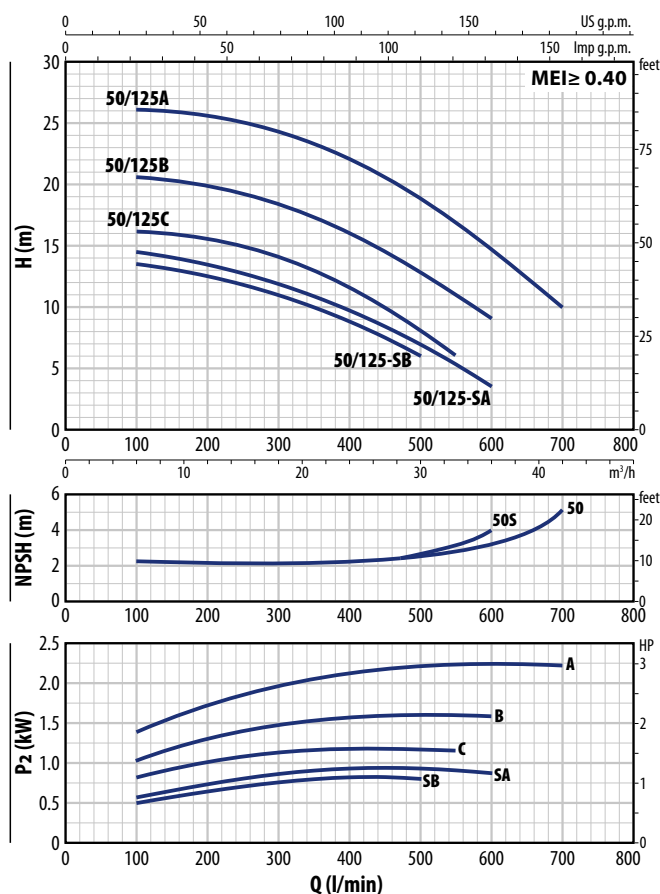
CURVES AND PERFORMANCE DATA – HS=0 m – n = 2900 min⁻¹

50 Hz

WR 40/125



WR 50/125



WR 40/125

TYPE		POWER (P ₂)		1~3~	Q	m ³ /h						
Single-phase	Three-phase	kW	HP			0	3	6	9	12	15	18
WRm 40/125-SB	WR 40/125-SB	0.55	0.75	IE2 IE3	H metres	0	50	100	150	200	250	300
WRm 40/125-SA	WR 40/125-SA	0.75	1			18.7	18.2	17.3	15.8	13.7	10.7	7
						22.4	21.8	20.6	18.7	16.2	13	9

WR 50/125

TYPE		POWER (P ₂)		1~3~	Q	m³/h	0	6	12	18	24	30	33	36	39	42
Single-phase	Three-phase	kW	HP			l/min	0	100	200	300	400	500	550	600	650	700
WRm 50/125-SB	WR 50/125-SB	0.55	0.75	IE2	IE3	H metres	14	13.5	12.5	11	8.8	6				
WRm 50/125-SA	WR 50/125-SA	0.75	1				15	14.5	13.5	11.8	9.7	7	5.5	3.5		
WRm 50/125C	WR 50/125C	1.1	1.5				16	16	15.5	14	11.5	8	6			
WRm 50/125B	WR 50/125B	1.5	2				20.5	20.5	19.8	18.5	16	12.8	11	9		
WRm 50/125A	WR 50/125A	2.2	3				26	26	25.5	24	22	18.5	17	14.5	12.5	10

Q = Flow rate H = Total manometric head HS = Suction height

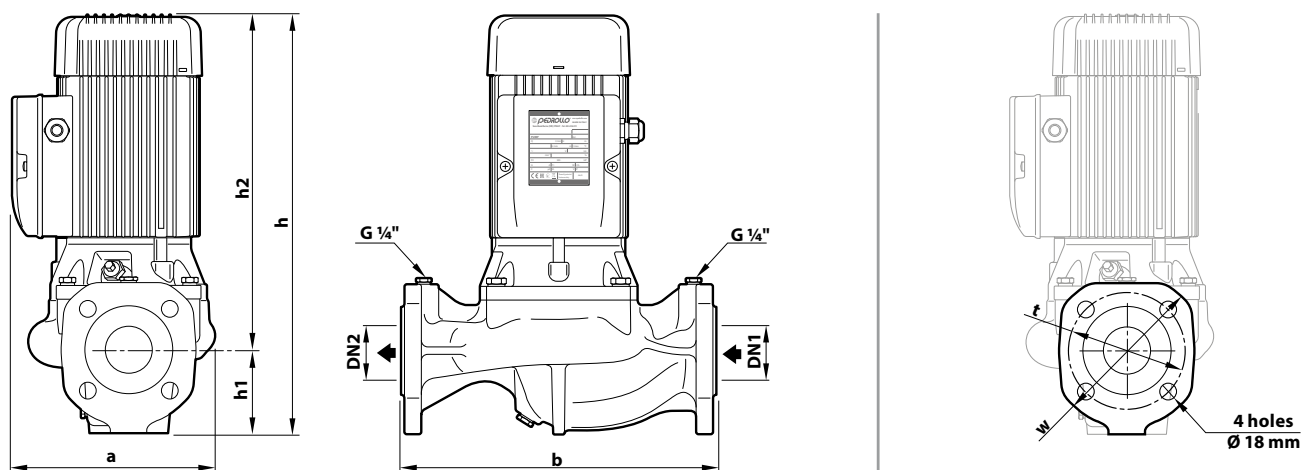
Performance curves comply with EN ISO 9906 Grade 3B tolerance limits.

ABSORPTION

TYPE	VOLTAGE
Single-phase	230 V
WR 40/125-SB	5.2 A
WR 40/125-SA	6.0 A
WR 50/125-SB	5.2 A
WR 50/125-SA	6.0 A
WR 50/125C	8.0 A
WR 50/125B	10.0 A
WR 50/125A	13.5 A

TYPE	VOLTAGE	
Three-phase	230 V - Δ	400 V - Y
WR 40/125-SB	3.6 A	2.1 A
WR 40/125-SA	4.0 A	2.3 A
WR 50/125-SB	3.6 A	2.1 A
WR 50/125-SA	4.0 A	2.3 A
WR 50/125C	5.2 A	3.0 A
WR 50/125B	7.8 A	4.5 A
WR 50/125A	9.0 A	5.2 A

DIMENSIONS



TYPE		PORTS		DIMENSIONS mm							kg
Single-phase	Three-phase	DN1	DN2	a	b	h	h1	h2	w	t	
WRm 40/125-SB	WR 40/125-SB	DN 40	DN 40	195	320	350	81	269	150	110	21.1
WRm 40/125-SA	WR 40/125-SA				340	362	90	272	165	125	23.4
WRm 50/125-SB	WR 50/125-SB	DN 50	DN 50	220	340	432	90	342	165	125	29.0
WRm 50/125-SA	WR 50/125-SA					452		362			30.0
WRm 50/125C	WR 50/125C			220	340	432	90	342	165	125	30.0
WRm 50/125B	WR 50/125B					452		362			32.0
-	WR 50/125A					452		362			32.0

MATERIALS AND COMPONENTS

1 Pump body Cast iron with cataphoresis treatment, provided with flanged ports

2 Cover Cast iron with cataphoresis treatment

3 Impeller Stainless steel **AISI 304**

4 Shaft Stainless steel **AISI 431**

5 Mechanical seal

Water pump	Seal	Shaft	Materials
WR 40/125-S	FNC-14	Ø 14 mm	Graphite / Ceramic / EPDM
WR 50/125-S			
WR 50/125	FN-20	Ø 20 mm	Graphite / Ceramic / EPDM

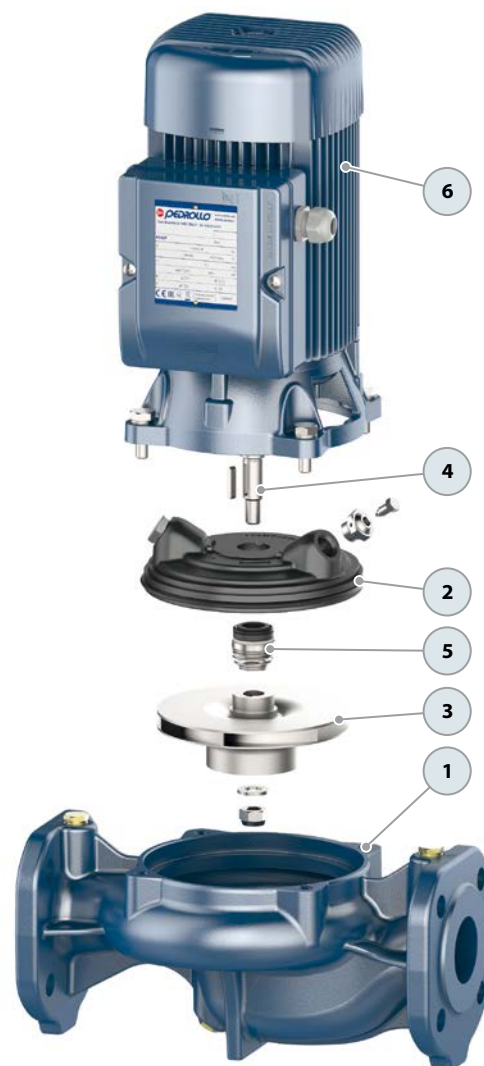
6 Electric motor

WRm: single-phase 230 V - 50 Hz with capacitor and winding integrated thermal motor protection

WR: three-phase 230/400 V - 50 Hz

※ Pumps are equipped with high-efficiency motors (IEC 60034-30-1)
class **IE2** for single-phase models
class **IE3** for three-phase models

Continuous running duty **S1**



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