



PB1 45 - PB1 60 - PB1 85



DIESEL

**PB1 45****PB1 60****PB1 85**

FEATURES	PB1 45	PB1 60	PB1 85
Voltage DC [V]	12 - 24	12 - 24	12 - 24
Current max [A]	18 - 9	26 - 17	40 - 32
Power [W]	216 - 216	312 - 408	480 - 768
Fuse [A]	30 - 15	40 - 40	40 - 40
Motor protection	IP55	IP55	IP55
On/Off Switch	Yes	Yes	Yes
Cable [m]	4	4	4
Duty Cycle [min]	S2 30	S2 30	S2 30
Nominal Flow Rate [l/min / GPM]	45 / 11,89	60 / 15,85	85 / 22,45
Max Pressure [bar / psi]	1.2 / 17,5	2 / 29	2.4 / 35
Dry Suction height [m]:	2	2	2
Internal By-Pass	Yes	Yes	Yes
Inlet [BSP/G]	1" F	1" F	1" F
Outlet [BSP/G]	1" F	1" F	1" F
Pump body material	Cast Iron	Cast Iron	Cast Iron
Impeller material	Sintered Steel	Sintered Steel	Sintered Steel
Vanes material	POM	POM	POM
Ring material	HNBR	HNBR	HNBR
Gasket material	NBR	NBR	NBR
Internal filter	Yes	Yes	Yes
Motor support	Yes	Yes	Yes
Handle	Yes	Yes	Yes
Min/Max Temperature [°C]	-20/+50	-20/+50	-20/+50
Max fluid viscosity [cSt] (a 40 °C):	2 ÷ 5	2 ÷ 5	2 ÷ 5
Allowed fluids	diesel	diesel	diesel
Forbidden fluids	gas, alcool, water, gasoline, kerosene	gas, alcool, water, gasoline, kerosene	gas, alcool, water, gasoline, kerosene
Loudness at less 1 meter [dB]	80	70 - < 75	70 - < 75
Net weight [kg]	4.8	9.8	9.8
Gross weight [kg]	5.2	10.4	10.4



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Current max [A]	18 - 9	26 - 17	40 - 32
Power [W]	216 - 216	312 - 408	480 - 768
Fuse [A]	no	no	no
Motor protection	IP55	IP55	IP55
On/Off Switch	no	no	no
Cable [m]	no	no	no
Duty Cycle [min]	S2 30	S2 30	S2 30
Nominal Flow Rate [l/min / GPM]	45 / 11,89	60 / 15,85	85 / 22,45
Max Pressure [bar / psi]	1.2 / 17,5	2 / 29	2.4 / 35
Dry Suction height [m]:	2	2	2
Internal By-Pass	Yes	Yes	Yes
Inlet [BSP/G]	1" F	1" F	1" F
Outlet [BSP/G]	1" F	1" F	1" F
Pump body material	Cast Iron	Cast Iron	Cast Iron
Impeller material	Sintered Steel	Sintered Steel	Sintered Steel
Vanes material	POM	POM	POM
Ring material	HNBR	HNBR	HNBR
Gasket material	NBR	NBR	NBR
Internal filter	Yes	Yes	Yes
Motor support	Yes	Yes	Yes
Handle	no	no	no
Temperatura min/max [°C]	-20/+50	-20/+50	-20/+50
Max fluid viscosity [cSt] (a 40 °C):	2 ÷ 5	2 ÷ 5	2 ÷ 5
Allowed fluids	diesel	diesel	diesel
Forbidden fluids	gas, alcool, water, gasoline, kerosene	gas, alcool, water, gasoline, kerosene	gas, alcool, water, gasoline, kerosene
Loudness at less 1 meter [dB]	80	70 - < 75	70 - < 75
Net weight[kg]	4.3	7.7	7.7
Gross weight [kg]	4.7	8.2	8.2