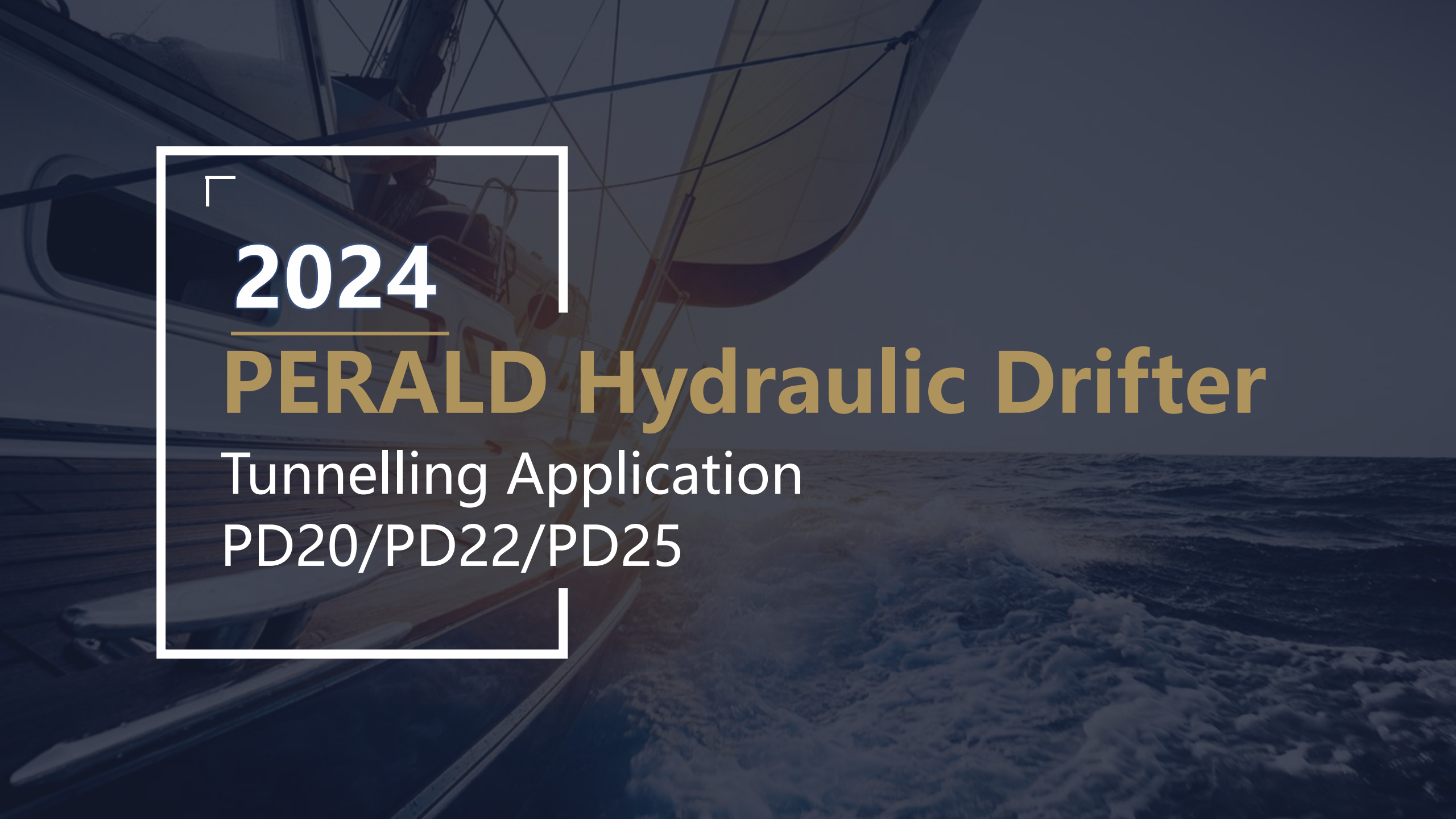


2024

PERALD Hydraulic Drifter

Tunnelling Application

PD20/PD22/PD25

PD20 Series/Hydraulic Drifters

Specialized Design For Tunneling

Lower impact energy/High impact frequency	Adapt to long drill with small blast hole
Innovative design	Balance the speed and failure free use time

Lower Use-cost

Fewer parts for maintenance	Lower cost of use
Longer uptime before maitainance	1 times higher than competitor products

Product Characteristics:

Better product stability

Cylinder liner design with penetration	Improvement of impact piston working conditions completely solving the phenomenon of accidental damage
Self-lubrication gearset design	Enhance gearbox lubrication and cooling performance and reduce routine maintenance efforts
Dual sleeve support design for shank	Enhance the service life of shank, water seals, and copper sleeves in the headstock
Grease can be injected into the water seal	Enhance water seal life
Optimized accumulator design	Smoothen the pressure during impact to improve accumulator diaphragm main pump life
Optimized cushioning design	Lower requirements for system pressure setting and better stability
Short bolt and special nut design	Prolong the tightening cycle of bolts and reduce the daily maintenance
Unique air lubrication design	Enhance cooling effect and protection of rock drill bonding surfaces

Good adaptability

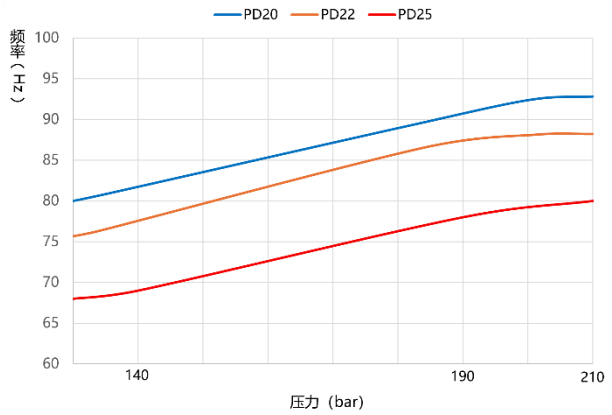
The oil port is at the back of the rock drill, and the flushing port can be rotated from side to side.	Easier arrangement for piping, especially for multi-boom rock drilling jumbo
Installation dimensions in line with PD380 and market mainstream products	No change to the existing machine structure design
Hydraulic system in line with PD380 and mainstream market products	No change to hydraulic and electrical system design

PD20 Series/Hydraulic Drifters

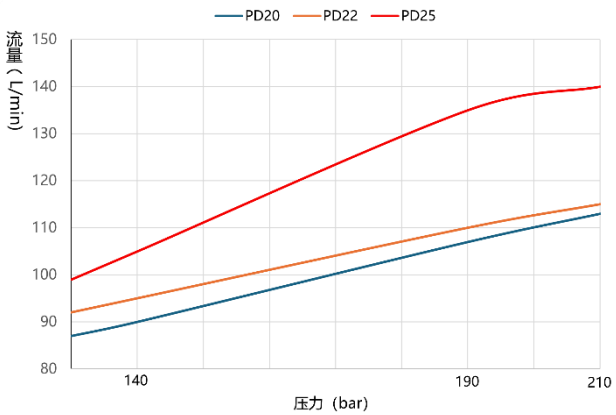
Technical Parameters

Parameters	PD20	PD22	PD25
Borehole diameter (mm)	40~89		
Power (Kw)	20	22	25
Impact flow rate (L/min)	107	110	135
Impact pressure(bar)	190		
Rotary Motor Displacement (cc/r)	145		
Maximum rotary pressure (bar)	175		
Maximum torque of drifter (N.M)	940		
Maximum speed of drifter (Rpm)	230		
Water Drainage Pressure (bar)	10		
Water Drainage Flow Rate (L/min)	70		
Aerosol lubrication pressure (bar)	2.5		
Aerosol Lubrication Flow Rate (L/S)	6.75		
Brazing Tail Specification	T38		
Weight(Kg)	195		

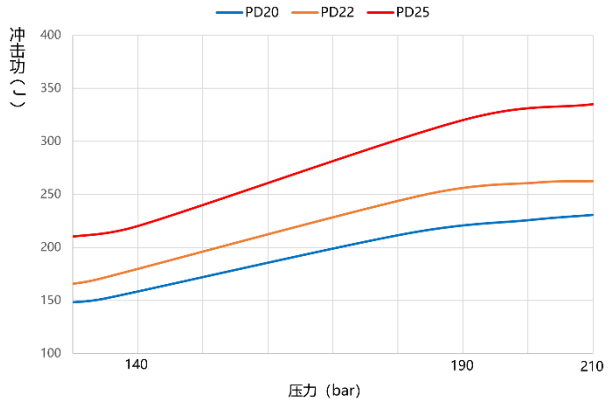
Performance curve



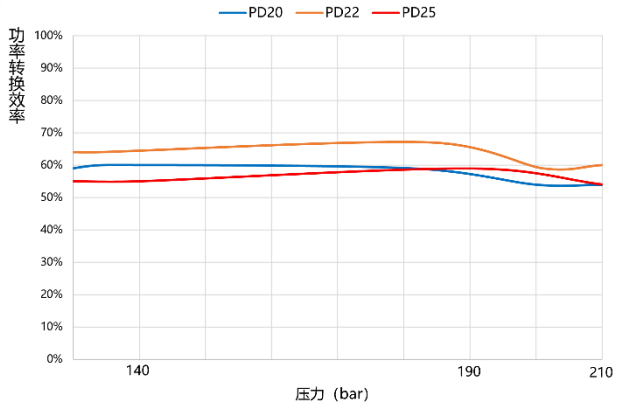
Frequency Curve



Flow Curve



Impact Power curve



Efficiency Curve

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