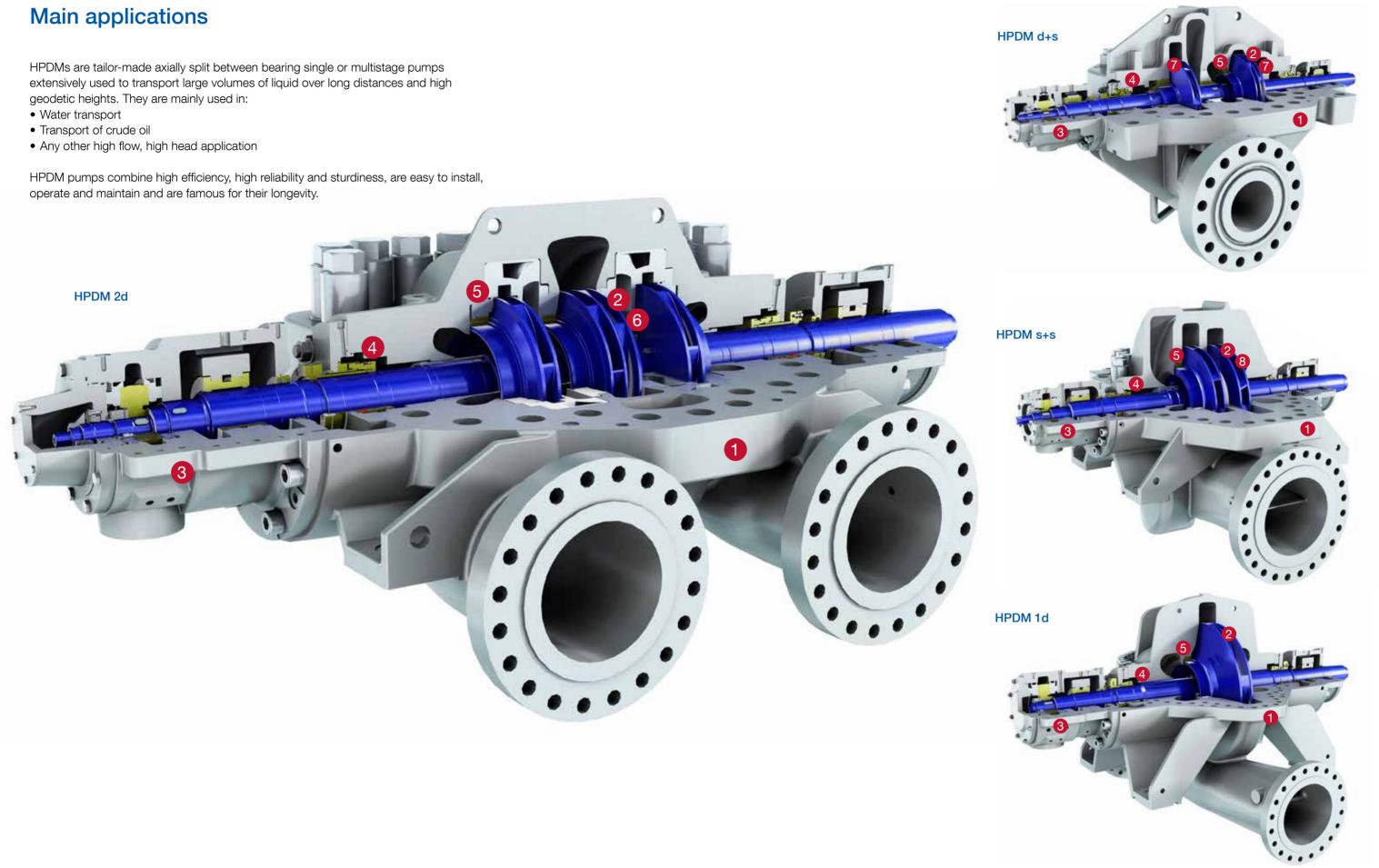


HPDM axially split between bearing single or multistage pump







Features and benefits

Pump part	2d	d+s	S+S	1d
 Casing Weight optimized casing by FEA Casing integrity and tightness ensured by different split flange sealings like gasket or o-ring 	V	V	V	V
 Hydraulics Wide choice of proven hydraulics High efficiency and optimum suction performance 	\checkmark	\checkmark	\checkmark	\checkmark
 3 Bearings Various bearing options depending on different operation conditions and load: Anti-friction bearings (self-lubricated) Sleeve-ball bearings (self-lubricated) Sleeve / tilting-pad bearing (pressure lubricated or self-lubricated) 		V	V	V
 4 Shaft seals Mechanical seal is standard, gland packing is optional 	\checkmark	\checkmark	\checkmark	\checkmark
 6 Wear protection • Renewable casing wear rings and integral impeller wear rings • Renewable impeller wear rings as option 	V	✓	V	V
 6 Twin suction impellers on first stage and double suction, staggered vane second stage impeller Assures low Net Positive Suction Head Required (NPSHR) and balance of axial thrust, low pressure pulsation Diffusers on first stage and double volute on second stage to balance radial thrust 				
 Ouble suction, staggered vane first stage impeller, single suction second stage impeller Assures low NPSHR and low pressure pulsation Double volute on both stages to balance radial thrust and enable high efficiency Balance drum at Non-Driving End (NDE) to balance axial thrust and reduce pressure at the shaft seal Compact cross-overs 		V		
 8 Two stage construction with back-to-back single suction impellers Cost effective and highly efficient for installations equipped with a booster pump Back-to-back arrangement to balance axial thrust Double volute to balance radial thrust and enable high efficiency Compact cross-overs 			✓	

HPDM axially split between bearing single or multistage pump







Hydrocarbon

processing

Power generation



Pulp, paper and board

General industry

Chemical process industry

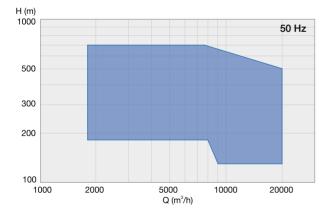


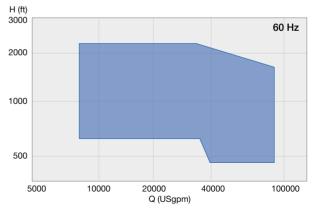
Water and wastewater

Operating data

50 Hz		60 Hz	
250 to 1'600 mm	Pump sizes	10 to 64 inches	
1'000 to 20'000 m ³ /h	Capacities	4'400 to 88'000 USgpm	
up to 700 m	Heads	up to 2'300 feet	
up to 175 bar	Pressures	up to 2'500 psi	
up to 150°C	Temperatures	up to 302°F	

Performance ranges





Materials

Pump part	Material
Casing	Ductile iron, cast carbon steel, duplex, super duplex
Impeller	Chrome steel, stainless steel, duplex, super duplex
Shaft	Chrome steel, duplex, super duplex
Stationary wear ring	Chrome steel, stainless steel, duplex, super duplex



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