



Technical data

Date	9/21/2025
Offer N.	---
Pump Type	P 90HS_HX-5000/5T

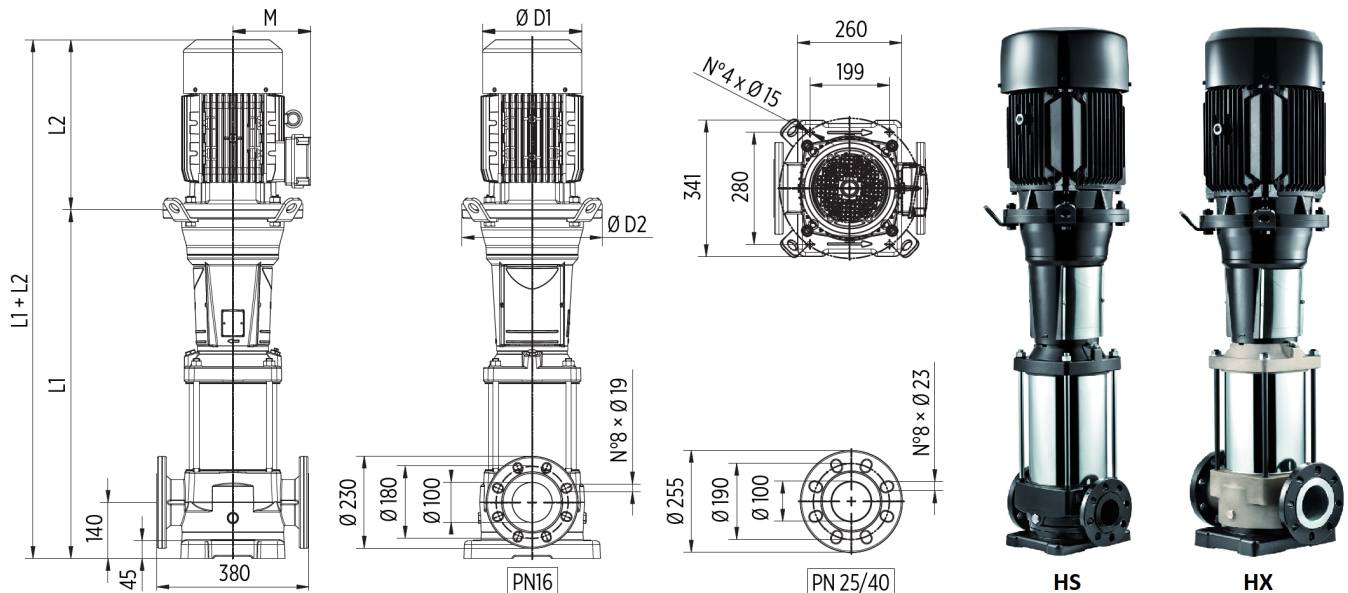
Client	EES GmbH	Reference	---
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Pump data

Impeller, diffuser	HS: Stainless steel AISI 304 HX: Stainless steel AISI 316	Vertical multistage centrifugal pump with in-line ports, solid structure and easily replaceable cartridge mechanical seal that allows maintenance time to be significantly reduced. HS version with impeller, diffuser and external shell made of stainless steel; inlet and outlet pump body made of cast iron. HX version with all wetted parts made of stainless steel to ensure fully corrosion resistance. This pump model is an ideal solution for any pressure boosting application: water distribution, drinking water, irrigation, water treatment plants, gardening, washing systems, boiler feed, circulation of liquids for heating, cooling and conditioning systems.
External shell	HS: Stainless steel AISI 304 HX: Stainless steel AISI 316	
Pump body	HS: Cast iron GJL-250 HX: Stainless steel AISI 316	
Pump shaft	HS: Stainless steel AISI 431 HX: Stainless Steel AISI 329	
Cartridge balanced mechanical seal	Silicon carbide/ graphite/ EPDM	
O-rings	EPDM	
Operating pressure	Max 25 bar	
Liquid temperature	-30°C +120°C (max 85°C for domestic use)	
Ambient temperature	Max 40°C	

MOTOR P2		Q (m3/h - l/min)									
(HP)	(kW)	0	45	50	60	70	80	88	100	110	115
		0	750	833.33	1000	1166.67	1333.33	1466.67	1666.67	1833.33	1916.67
		H (m)									
50	37	156.6	140.7	137.4	130.9	125.2	119.1	112.8	100.3	87.1	79.8

Technical Sheet



The pump is supplied without counterflanges (optional accessories, including bolts and joints)

MOTOR		DIMENSIONS (mm)						Kg		
kW	Dim	L1	L2	M	D1	D2	L1-L2	Pump	Motor	Total
37	200	1131	661	303	400	400	1792	103	270	373

Notes

The information may be subject to change without notice. It is always advisable to contact our commercial department in order to get further information about the products, their technical specifications and warranty conditions. The Company is expressly relieved of any liability for the purchasing of a product not in line with the customer's needs, if not consulted beforehand for a specific consultancy.

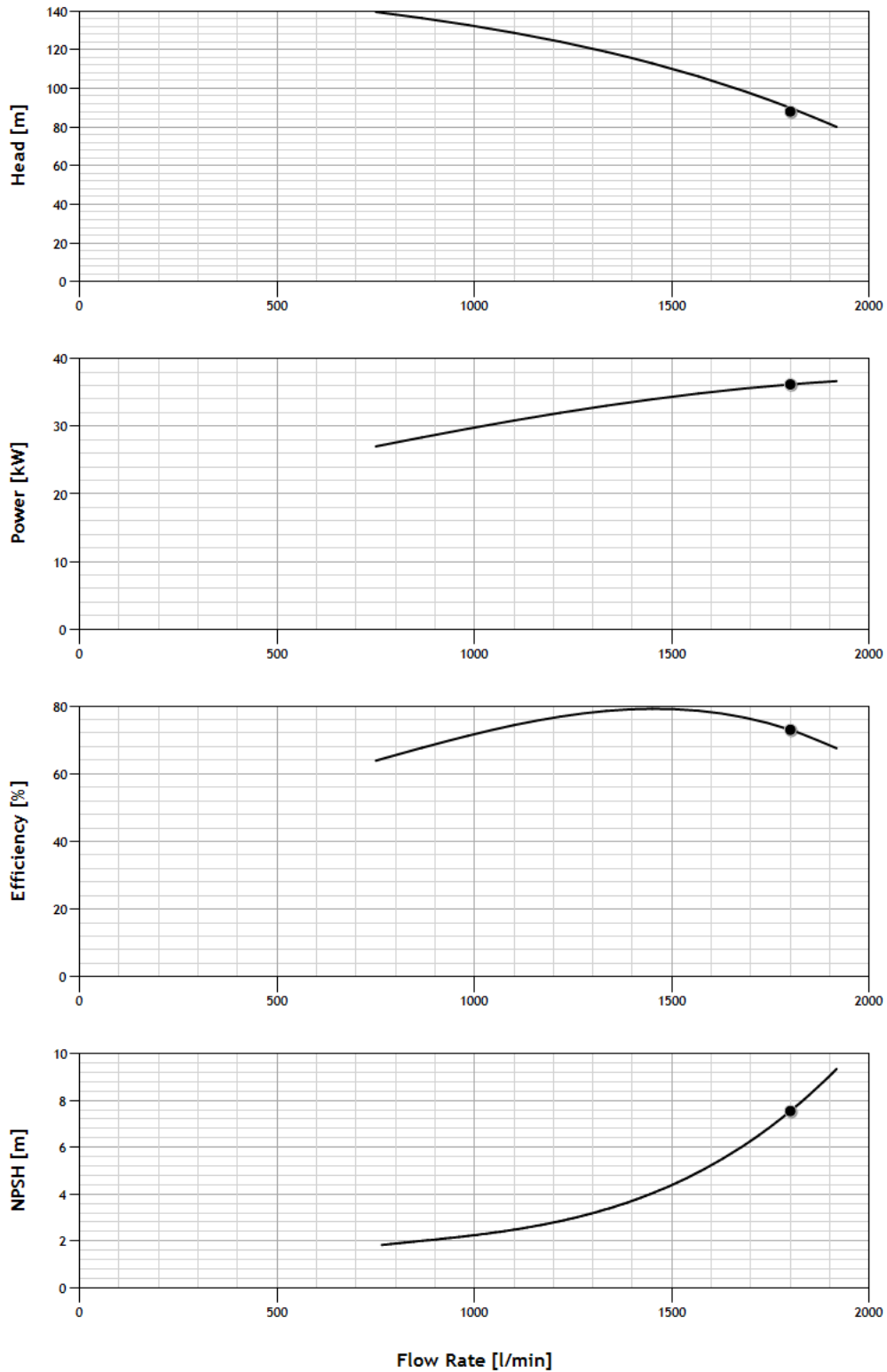


Working Curves

Pump type: P 90HS_HX-5000/5T

Curv n°:	P 90HS_HX-5000/5T
Date:	9/21/2025
Pump Speed	2900 rpm

Q (l/min) 1800 | H (m) 88 | Power [kW] 36.19 | Efficiency % 73.02 | NPSH (m) 7.55



MEI ≥ 0.4 (regulation EU N. 547/2012)
Tolerances according to UNI ISO 9906 grade 3B