

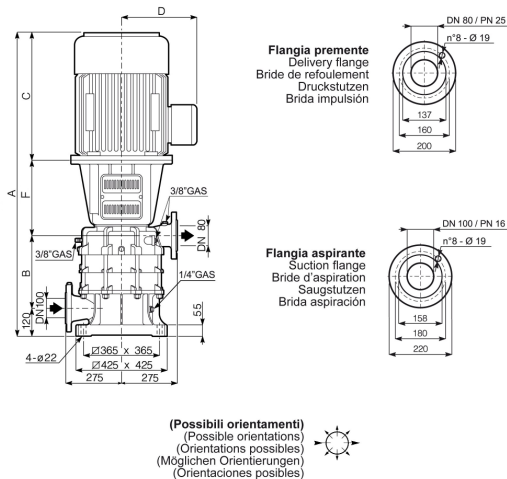
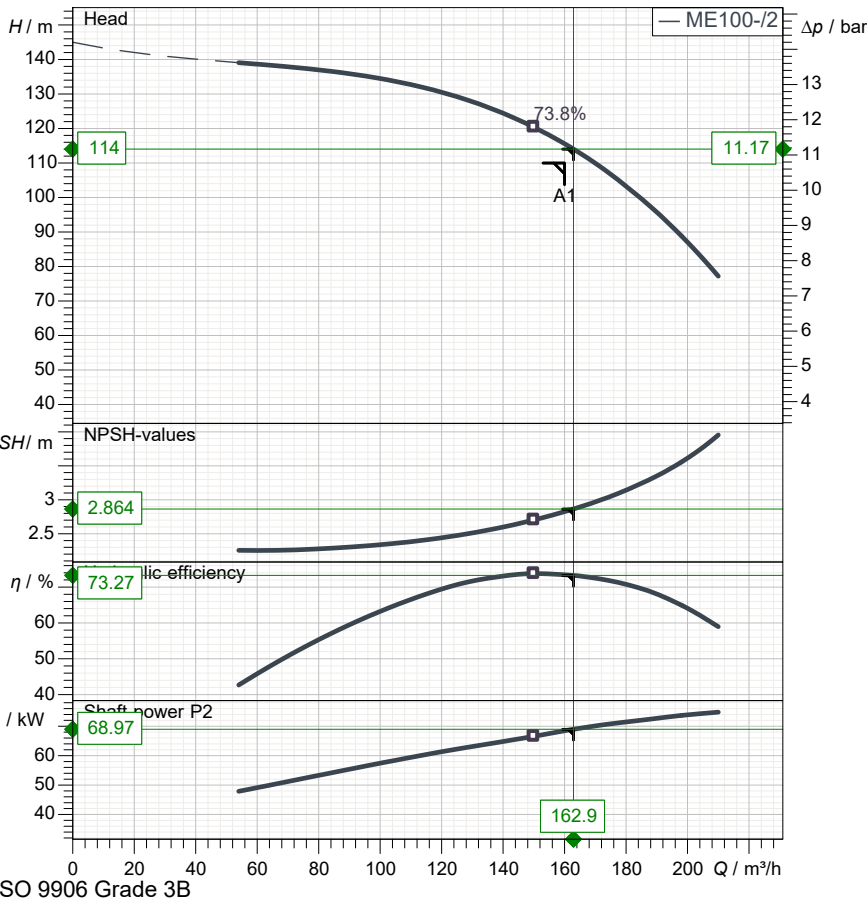
Product description

ME100KV100-160/2-TB

	Pos.no	Description	Item no	Qty.	UP / €	TP / €
1		Multistage electric pump EUROPA series				
2		Centrifugal pump: ME100KV100-160/2-TB		1	Price on req.	Price on req.
3		Pump body Centrifugal multistage pump body with flanged ports and motor support. Duty point Flow : 160 m³/h / Head : 110 m Pump operating data Impeller diameter : 225 mm / Speed : 2900 1/min Flow : 162.9 m³/h / Head : 114 m Shaft power P2 : 68.97 kW / Efficiency : 73.27 % Head (Q = 0) : 145 m Motor support : Cast iron Pump body : Cast iron Coupling : Cast iron Diffuser : Cast iron Diffuser shell : Cast iron Journal bearing : Bronze Impeller : Cast iron + Cataphoresis Wear ring : Cast iron Tie rod : Steel Shaft : Steel Shaft protection bushing : Chrome steel Suction bowl : Cast iron Max. solid contents : 50 g/m³ Max. water temperature : 90 °C Max. running time with Q=0 : 2 min				
4		Motor: IEC B3/B5 100 - 2		1		
5		Electric motor Three-phase IE3 asynchronous squirrel cage motor. Casing : Cast iron Protection : IP 55 Insulation class : F Number of startings : max 4 Max environment temperature : 40 °C Max altimetric level : 1000 m Weight : 533 kg Frequency : 50 Hz N. poles : 2 P2 : 75 kW U : 400 V In 1/1 : 127 A EFF : 94.7 % CosPhi : 0.9				
6		Shaft seal: Gland packing		1		
7		Stuffing-box packing : PTFE Twiner system® : Stainless steel				

Technical data

ME100KV100-160/2-TB



Operating data specification

Capacity	160 m³/h
Head	110 m
Fluid	Pure water
Type of installation	<Single head pump>

Pump operating data

Design	ME100KV100-160/2-TB
Impeller Ø	225 mm
Speed	2900 1/min
Flow	163 m³/h
Head	114 m
Shaft power P2	69 kW
Efficiency	73.3 %
Head (Q=0)	145 m
Non return valve loss	

Electric motor technical data

Design	IEC B3/B5 100 - 2
Rated power	75 kW
Frequency	50 Hz
Number of poles	2
Nominal speed	2900 1/min
Rated voltage	3~ 400 V
Starting mode	Direct starting
Rated current	127 A
Insulation class	F
Degree of protection	IP 55

Use limits

Max N° startings/hour	4
Max. running time with Q=0	2 min
Max. solids contents	50 g/m³
Max. pumped liquid temperature	90 °C
Maximum density	998 kg/m³
Maximum viscosity	1 mm²/s

Materials

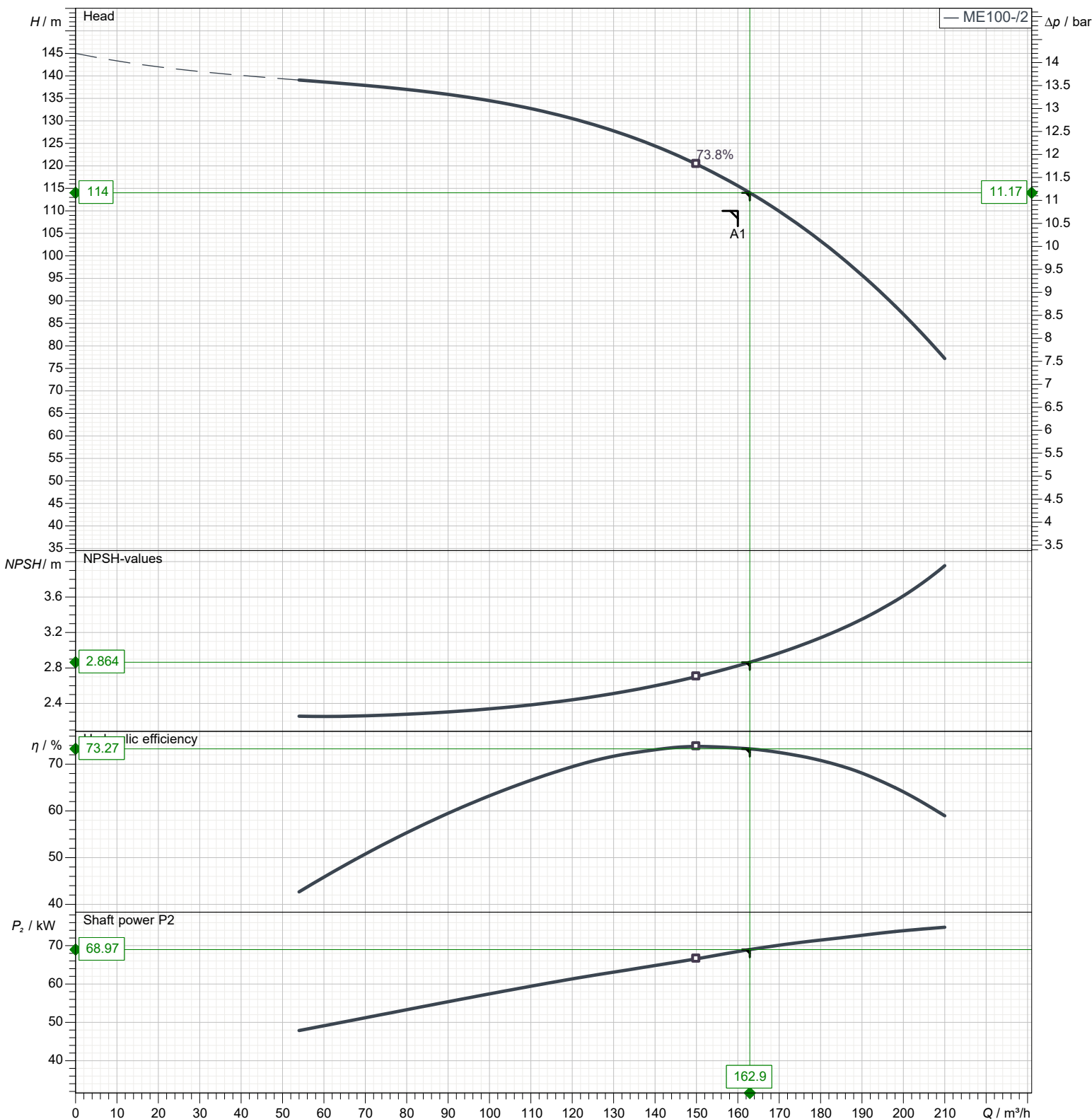
Motor support	Cast iron
Pump body	Cast iron
Coupling	Cast iron
Diffuser	Cast iron
Diffuser shell	Cast iron
Journal bearing	Bronze
Impeller	Cast iron + Cataphoresis
Wear ring	Cast iron
Tie rod	Steel
Shaft	Steel
Shaft protection bushing	Chrome steel
Suction bowl	Cast iron
Shaft seal	
Stuffing-box packing	PTFE
Twiner system®	Stainless steel

Dimensions in	mm	Total weight	704 kg
A	1460		
B	228		
C	845		
D	405		
F	387		

Performance curves

ME100KV100-160/2-TB

Performances				
Speed		2900 1/min	Density	998 kg/m³
Flow	Min.	54 m³/h	Viscosity	1 mm²/s
	Max.	198 m³/h	Temperature	20 °C
Efficiency	Max.	150 m³/h	Tolerances	ISO 9906 Grade 3B



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A		1460				
B		228				
C		845				
D		405				
F		387				