

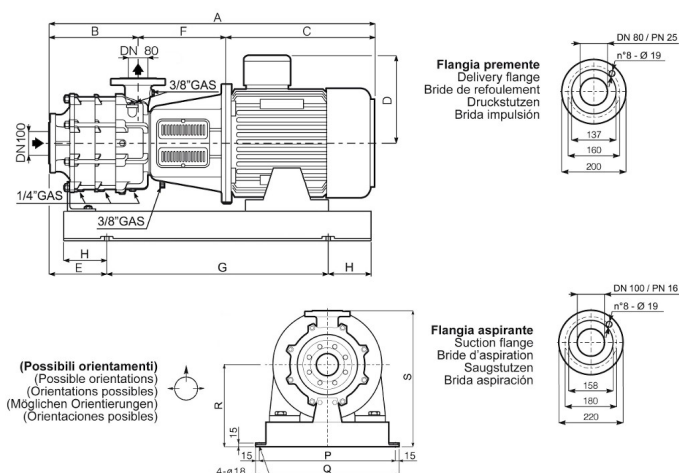
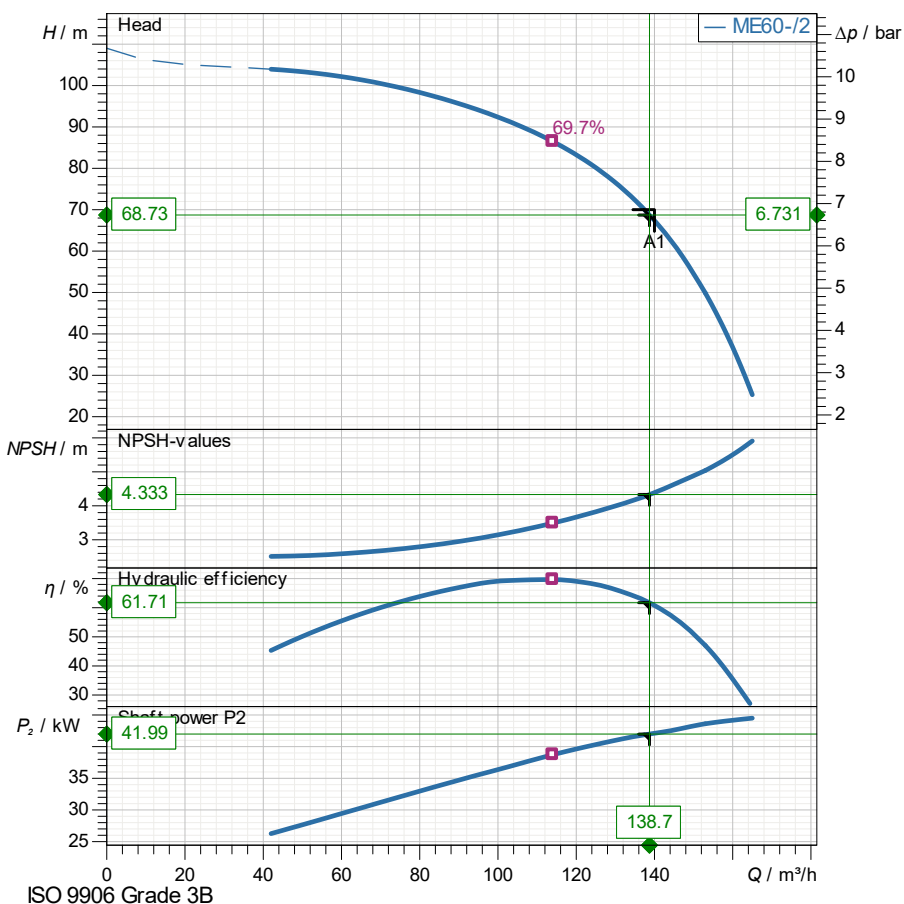
Product description

ME60K100-120/2-TB

	Pos.no	Description	Item nc	Qty.	UP / €	TP / €
1		Multistage electric pump EUROPA series				
2		Centrifugal pump: ME60K100-120/2-TB		1	Price on req.	Price on req.
3		Pump body Centrifugal multistage pump body with flanged ports and motor support. Duty point Flow : 140 m³/h / Head : 70 m Pump operating data Impeller diameter : 195 mm / Speed : 2900 1/min Flow : 138.7 m³/h / Head : 68.73 m Shaft power P2 : 41.99 kW / Efficiency : 61.71 % Head (Q = 0) : 109 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 : 0...50 g/m³ Max. water temperature : 0 °C...90 °C Max. running time with Q=0 : 2 min				
4		Motor: IEC B3/B5 60 - 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 : 334 kg Frequency : 50 Hz N. poles : 2 P2 : 45 kW U : 400 V In 1/1 : 78.5 A EFF : 94 % CosPhi : 0.88				
6		Shaft seal: Gland packing		1		
7		Stuffing-box packing : PTFE Twiner system® : Stainless steel				

Technical data

ME60K100-120/2-TB



Operating data specification

Capacity	140 m³/h
Head	70 m
Fluid	Pure w ater
Type of installation	<Single head pump>

Pump operating data

Design	ME60K100-120/2-TB
Impeller Ø	195 mm
Speed	2900 1/min
Flow	139 m³/h
Head	68.7 m
Shaft power P2	42 kW
Wirkungsgrad	61.7 %
Head (Q=0)	109 m
Non return valve loss	

Electric motor technical data

Design	IEC B3/B5 60 - 2
Rated power	45 kW
Frequency	50 Hz
Number of poles	2
Nominal speed	2900 1/min
Rated voltage	3~ 400 V
Starting mode	Direct starting
Rated current	78.5 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	0...50/m³
Max. pumped liquid temperature	0 °C...90 °C
Maximum density	998 kg/m³
Maximum viscosity	1 mm²/s

Materials

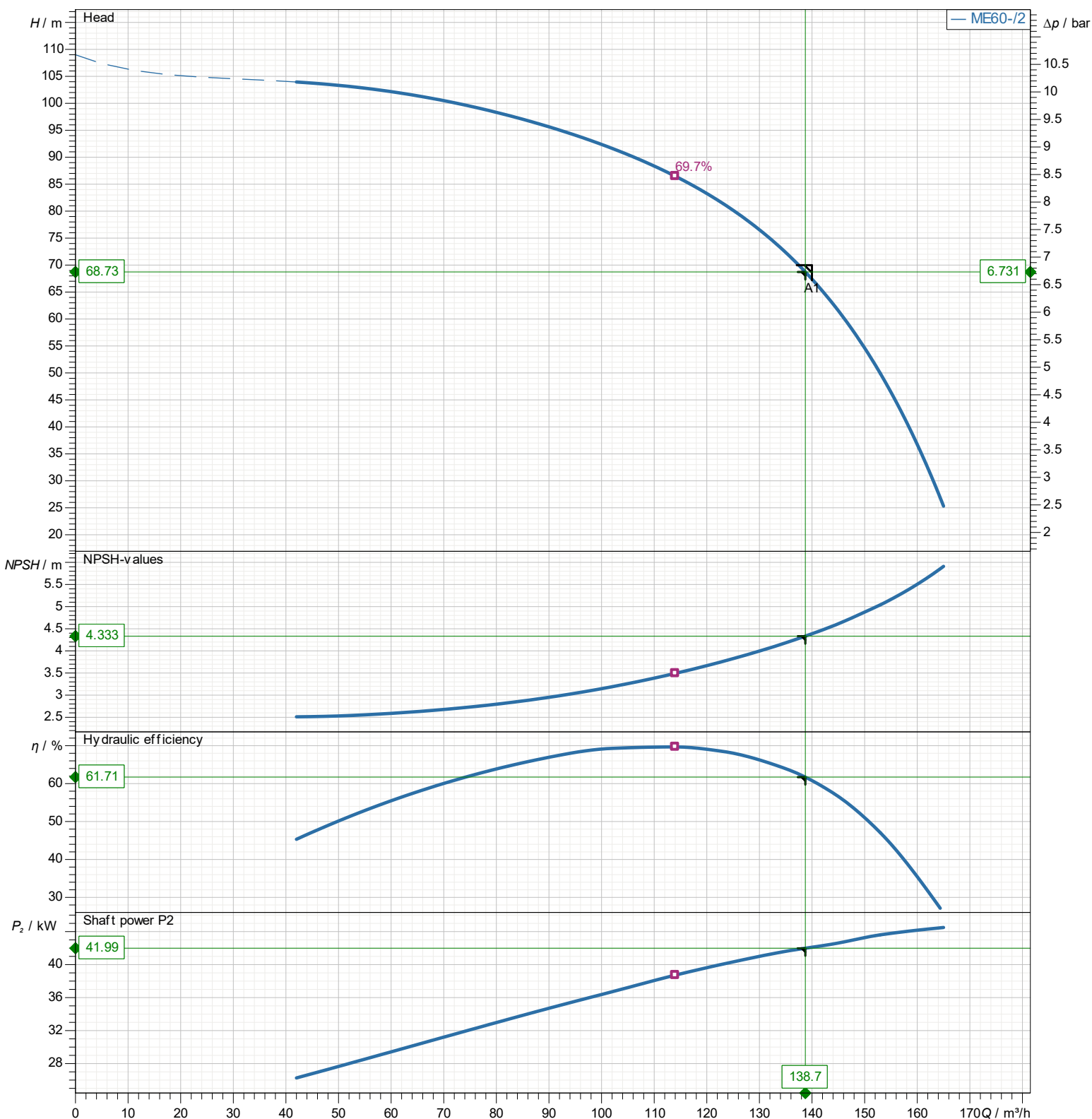
Motor support	Cast iron
Pump body	Cast iron
Coupling	Cast iron
Diffuser	Cast iron
Diffuser shell	Cast iron
Journal bearing	Bronze
Impeller	Cast iron + Cataphoresis
Wear ring	Cast iron
Tie rod	Steel
Shaft	Steel
Shaft protection bushing	Chrome steel
Suction bow l	Cast iron
Shaft seal	
Stuffing-box packing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

Dimensions in				mm		Total weight		516 kg	
A	1018	Q	585						
B	313	R	325						
C	705	S	600						
D	325								
E	74								
G	900								
H	175								
P	555								

Performance curves

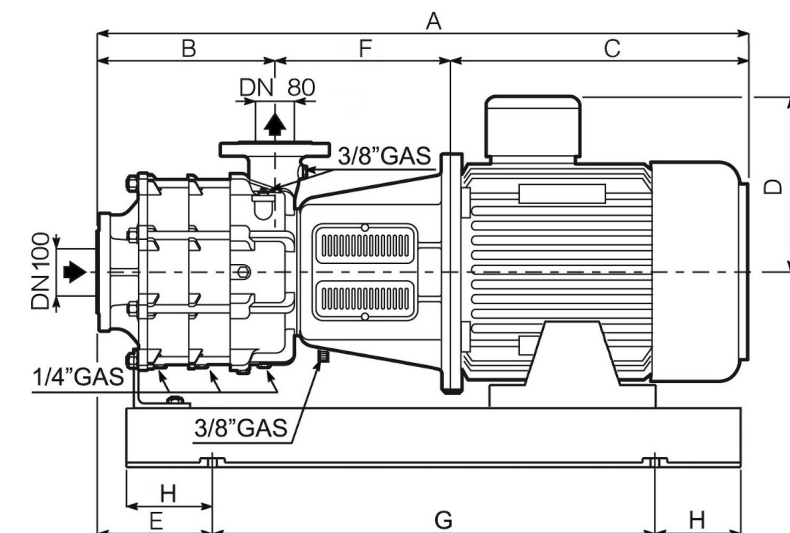
ME60K100-120/2-TB

Performances				
Speed		2900 1/min	Density	998 kg/m³
Flow	Min.	42 m³/h	Viscosity	1 mm²/s
Flow	Max.	153 m³/h	Temperature	20 °C
Efficiency	Max.	114 m³/h	Tolerances	ISO 9906 Grade 3B

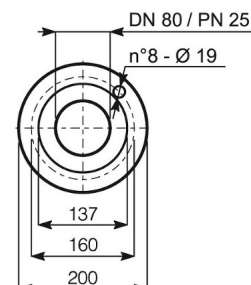


Types of installation

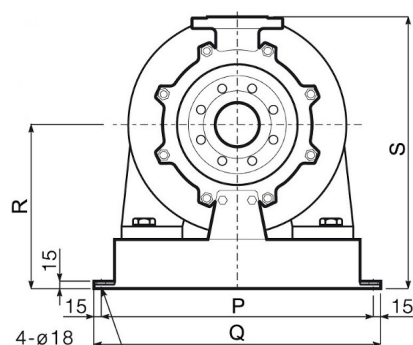
ME60K100-120/2-TB



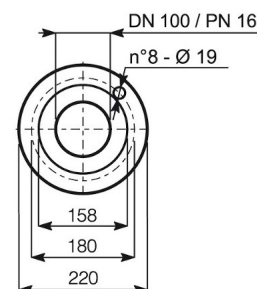
Flangia premente
Delivery flange
Bride de refoulement
Druckstutzen
Brida impulsión



(Possibili orientamenti)
(Possible orientations)
(Orientations possibles)
(Möglichen Orientierungen)
(Orientaciones posibles)



Flangia aspirante
Suction flange
Bride d'aspiration
Saugstutzen
Brida aspiración



Total weight

516 kg

Dimensions in mm

A	1018
B	313
C	705
D	325
E	74
G	900
H	175
P	555
Q	585
R	325
S	600