

Product description

ME35KV65-42/4-TB

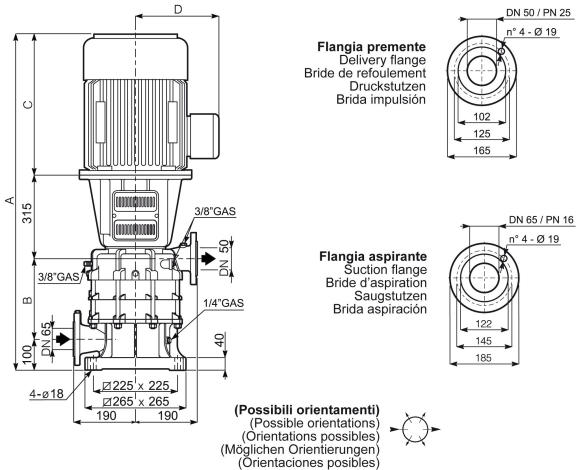
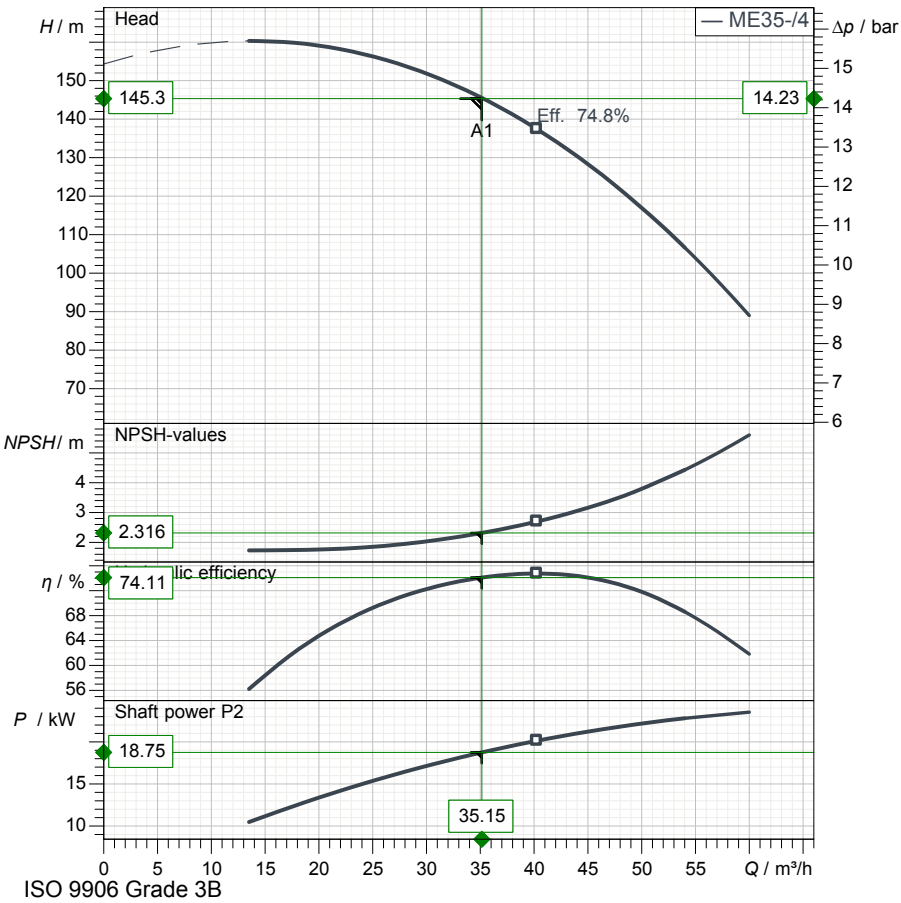
MEI ≥ 0,40

	Pos.no	Description	Item no	Quant.	UP / €	TP / €
1		Multistage electric pump EUROPA series				
2		Centrifugal pump: ME35KV65-42/4-TB		1	Price on req.	Price on req.
3		Pump body Centrifugal multistage pump body with flanged ports and motor support. Duty point Flow : 35.15 m³/h / Head : 145.3 m Pump operating data Impeller diameter : 166 mm / Speed : 2900 1/min Flow : 35.15 m³/h / Head : 145.3 m Shaft power P2 : 18.75 kW / Efficiency : 74.11 % Head (Q = 0) : 154.3 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 B5/V1 40 - 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 5 Max environment temperature : 40 °C Max altimetric level : 1000 m Weight : 240 kg Frequency : 50 Hz N. poles : 2 P2 : 30 kW U : 400 V In 1/1 : 52.1 A EFF : 93.3 % CosPhi : 0.89				
6		Shaft seal: Gland packing		1		
7		Stuffing-box packing : PTFE Twiner system® : Stainless steel				

Technical data

ME35KV65-42/4-TB

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Dimensions in		mm	Total weight	350 kg
A	1230			
B	240			
C	675			
D	300			

Operating data specification

Capacity	35.145 m ³ /h
Head	145.34 m
Fluid	Pure water
Type of installation	<Single head pump>

Pump operating data

Design	ME35KV65-42/4-TB
Impeller Ø	166 mm
Speed	2900 1/min
Flow	35.1 m ³ /h
Head	145 m
Shaft power P_2	18.7 kW
Efficiency	74.1 %
Head ($Q=0$)	154 m
Non return valve loss	

Electric motor technical data

Design	IEC B5/V1 40 - 2
Rated power	30 kW
Frequency	50 Hz
Number of poles	2
Nominal speed	2900 1/min
Rated voltage	3~ 400 V
Starting mode	Direct starting
Rated current	52.1 A
Insulation class	F
Degree of protection	IP 55

Use limits

Max N° startings/hour	5
Max. running time with $Q=0$	2 min
Max. solids contents	50 g/m ³
Max. pumped liquid temperature	90 °C
Maximum density	998 kg/m ³
Maximum viscosity	1 mm ² /s

Materials

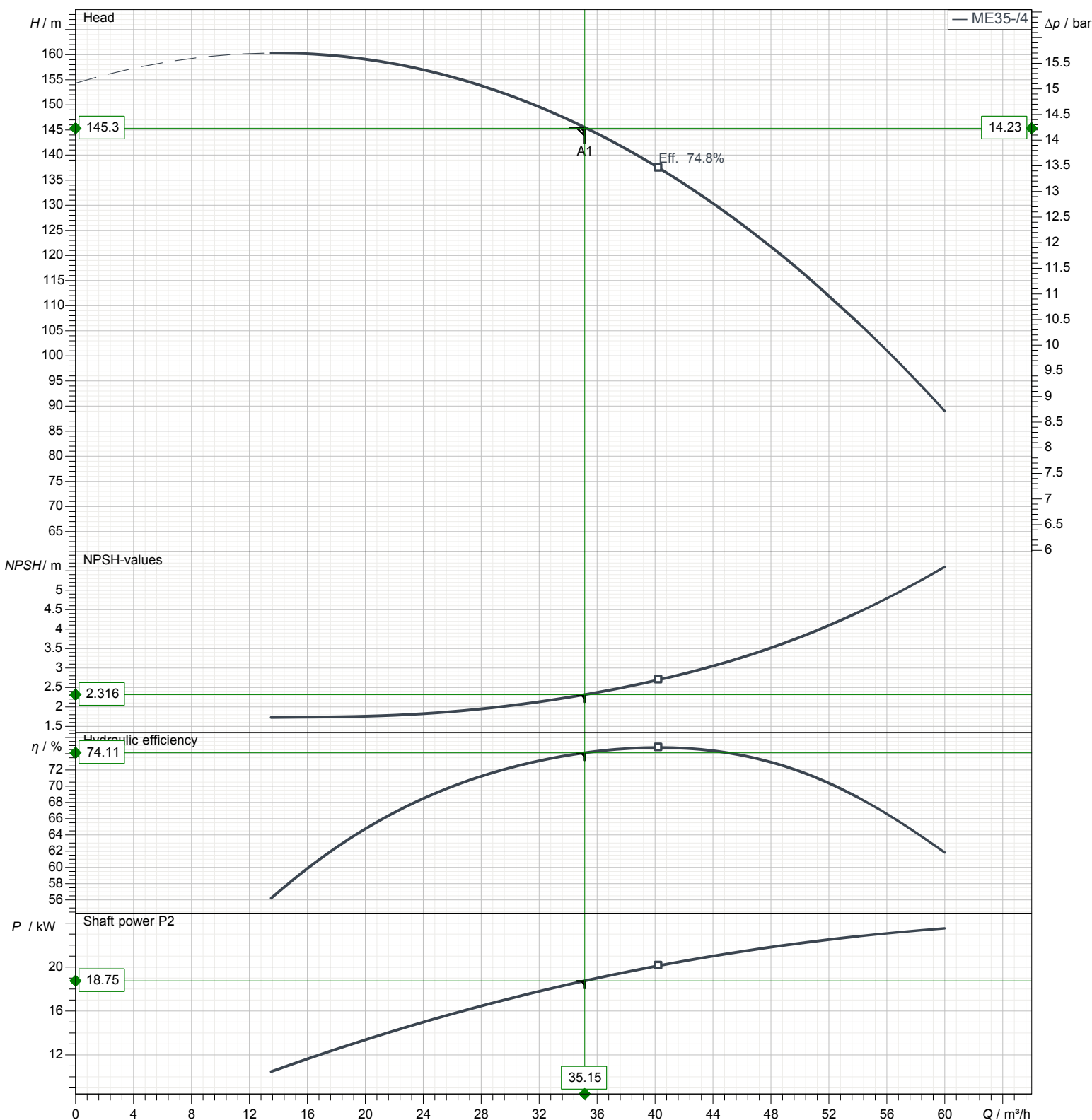
Motor support	Cast iron
Pump body	Cast iron
Coupling	Cast iron
Diffuser	Cast iron
Diffuser shell	Cast iron
Journal bearing	Bronze
Impeller	Cast iron + Cataphoresis
Wear ring	Cast iron
Tie rod	Steel
Shaft	Steel
Shaft protection bushing	Chrome steel
Suction bowl	Cast iron
Shaft seal	
Stuffing-box packing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

Performance curves

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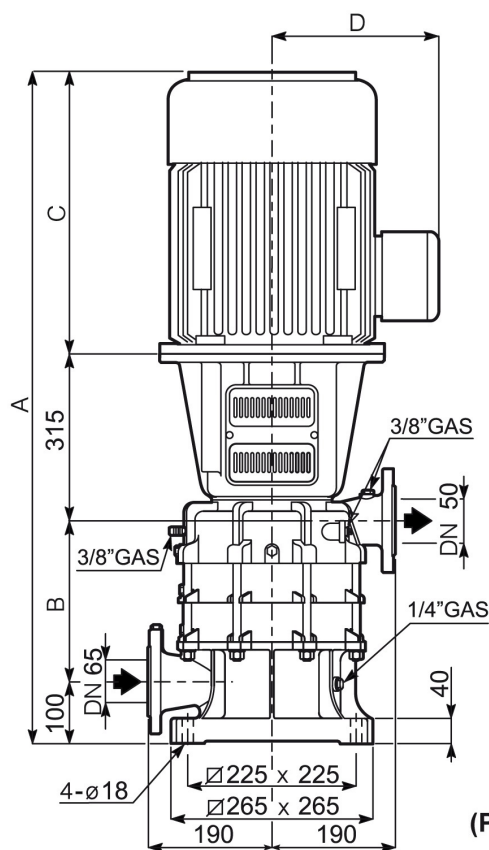
Performances				
Speed		2900 1/min	Density	998 kg/m ³
Flow	Min.	13.5 m ³ /h	Viscosity	1 mm ² /s
	Max.	54 m ³ /h	Temperature	20 °C
Efficiency	Max.	40.3 m ³ /h	Tolerances	ISO 9906 Grade 3B



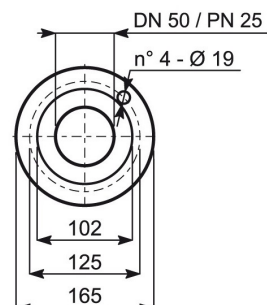
Types of installation

ME35KV65-42/4-TB

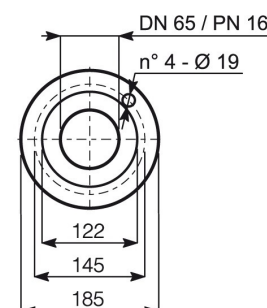
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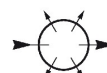
Flangia premente
Delivery flange
Bride de refoulement
Druckstutzen
Brida impulsión



Flangia aspirante
Suction flange
Bride d'aspiration
Saugstutzen
Brida aspiración



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



Total weight		Dimensions in mm				
350 kg						
A	1230					
B	240					
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D	300					