

Product description

ME75KVX100-100/3-TB

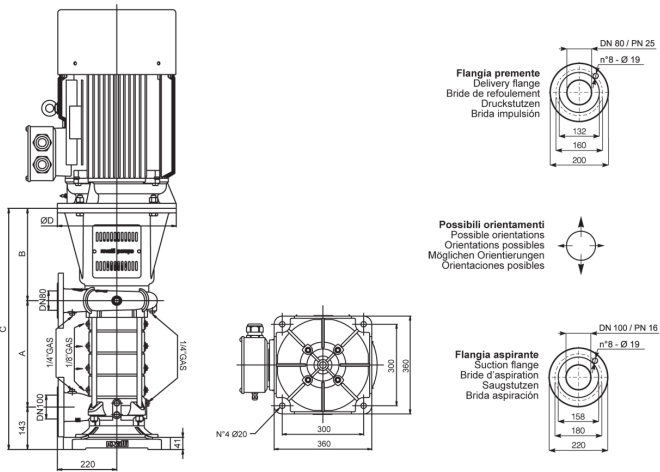
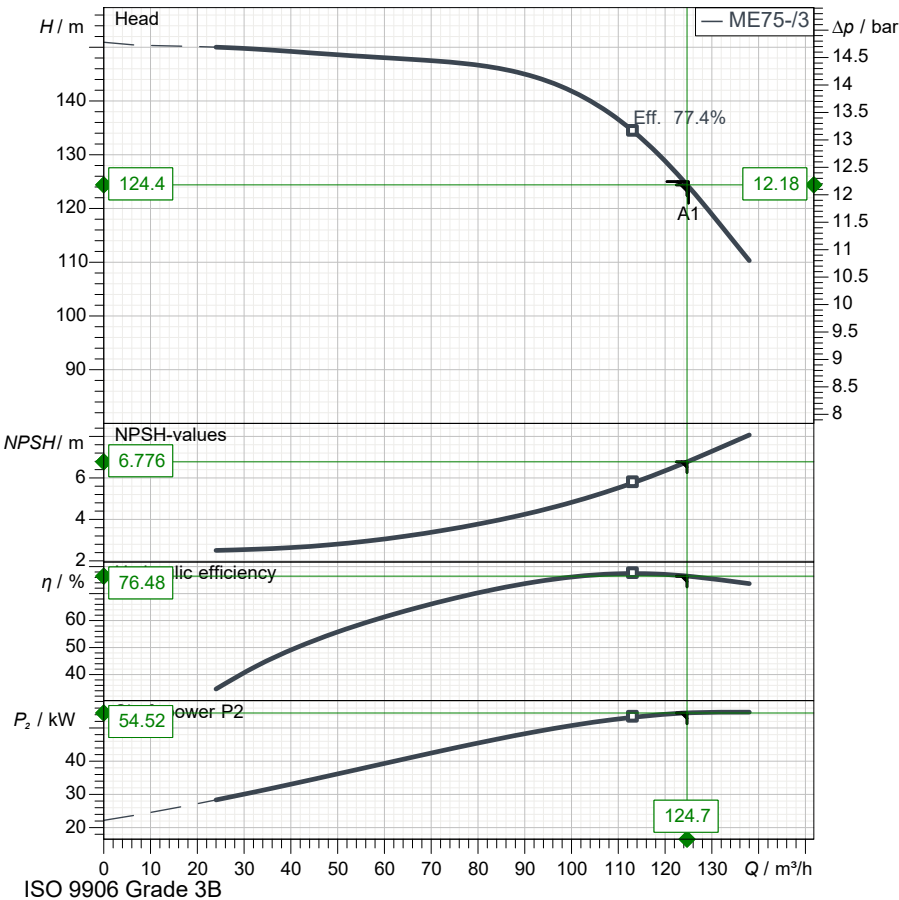
MEI ≥ 0,40

	Pos.no	Description	Item no	Qty.	UP / €	TP / €
1		Elettropompa multistadio in microfusione di acciaio inox				
2		Centrifugal pump: ME75KVX100-100/3-TB		1	Price on req.	Price on req.
3		Pump body Centrifugal multistage pump body with flanged ports and motor support. Duty point Flow : 125 m³/h / Head : 125 m Pump operating data Impeller diameter : / Speed : 2900 1/min Flow : 124.7 m³/h / Head : 124.4 m Shaft power P2 : 54.52 kW / Efficiency : 76.48 % Head (Q = 0) : 150.9 m Motor support : Cast iron Pump body : Cast iron Coupling : Cast iron Diffuser shell : AISI 304 stainless steel Pump body impeller : AISI 304 stainless steel Impeller : AISI 304 stainless steel Wear ring : POM Shaft : AISI 420 stainless steel Suction bowl : Cast iron Max. solid contents : 70 g/m³ Max. water temperature : 90 °C Max. running time with Q=0 : 1 min				
4		Motor: IEC B5/V1 75 - 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 : 426 kg Frequency : 50 Hz N. poles : 2 P2 : 55 kW U : 400 V In 1/1 : 94.6 A EFF : 94.3 % CosPhi : 0.89				
6		Shaft seal: Gland packing		1		
7		Stuffing-box packing : PTFE Twiner system® : Stainless steel				

Technical data

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Operating data specification

Capacity	125 m³/h
Head	125 m
Fluid	Pure water
Type of installation	<Single head pump>

Pump operating data

Design	ME75KVX100-100/3-TB
Impeller Ø	
Speed	2900 1/min
Flow	125 m³/h
Head	124 m
Shaft power P2	54.5 kW
Efficiency	76.5 %
Head (Q=0)	151 m
Non return valve loss	

Electric motor technical data

Design	IEC B5/V1 75 - 2
Rated power	55 kW
Frequency	50 Hz
Number of poles	2
Nominal speed	2900 1/min
Rated voltage	3~ 400 V
Starting mode	Direct starting
Rated current	94.6 A
Insulation class	F
Degree of protection	IP 55

Use limits

Max N° startings/hour	4
Max. running time with Q=0	1 min
Max. solids contents	70 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 shell	AISI 304 stainless steel
Pump body impeller	AISI 304 stainless steel
Impeller	AISI 304 stainless steel
Wear ring	POM
Shaft	AISI 420 stainless steel
Suction bowl	Cast iron

Shaft seal

Stuffing-box packing	PTFE
Twiner system®	Stainless steel

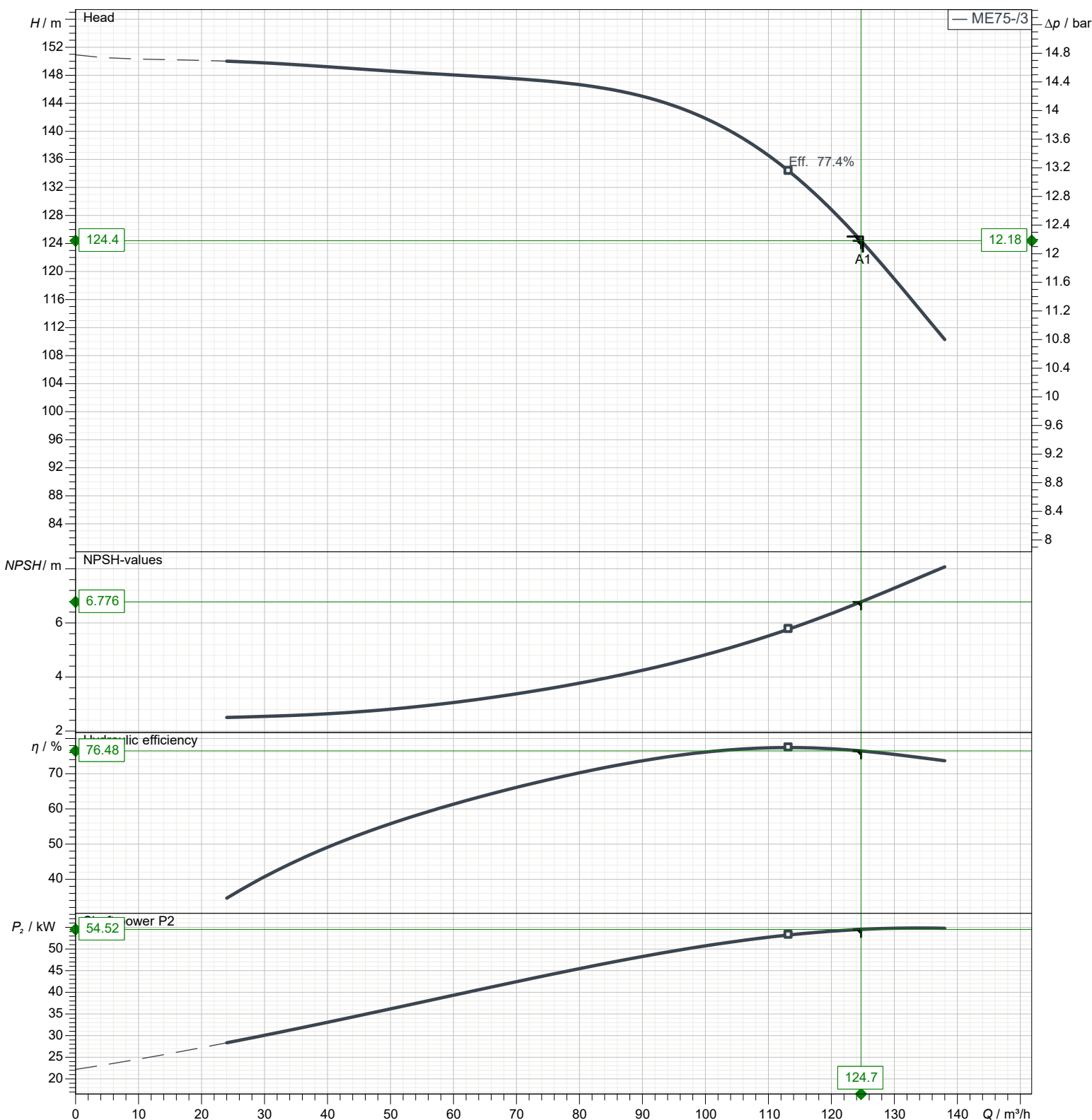
Dimensions in	mm	Total weight	547 kg
A	260.5		
B	342		
C	745		
D	550		

Performance curves

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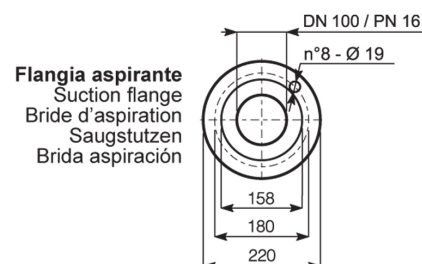
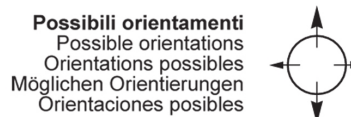
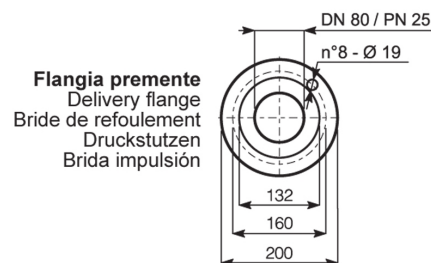
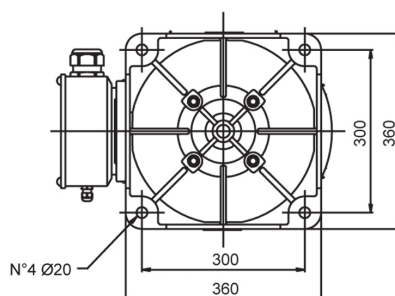
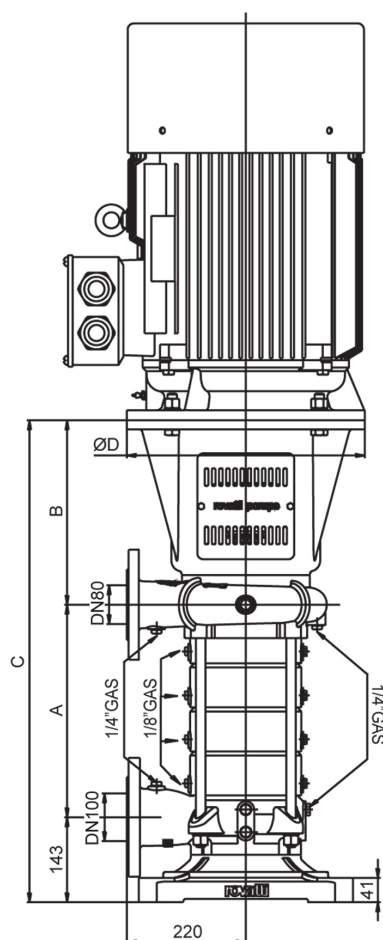
Performances				
Speed		2900 1/min	Density	998 kg/m³
Flow	Min.	24 m³/h	Viscosity	1 mm²/s
	Max.	138 m³/h	Temperature	20 °C
Efficiency	Max.	113 m³/h	Tolerances	ISO 9906 Grade 3B



Types of installation

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