

Product description

ME50KV80-60/3P-TB

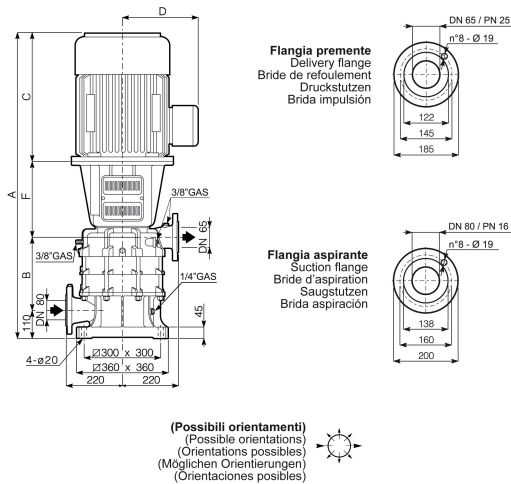
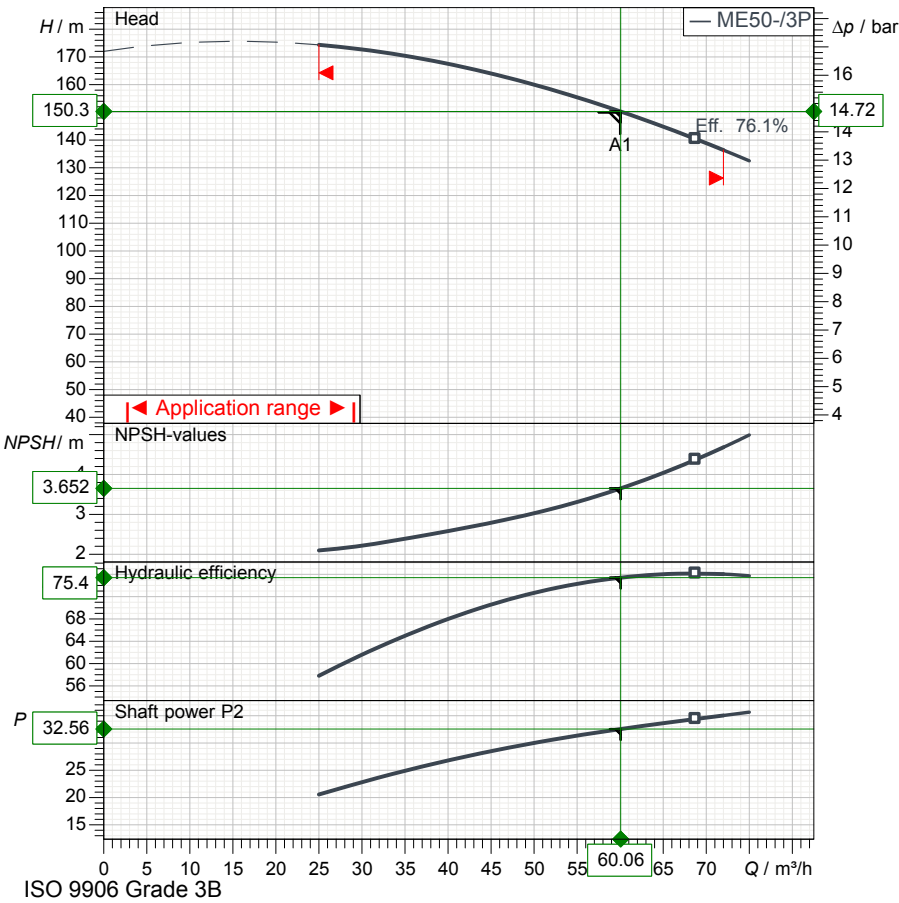
MEI ≥ 0,40

	Pos.no	Description	Item no	Quant.	UP / €	TP / €
1		Multistage electric pump EUROPA series				
2		Centrifugal pump: ME50KV80-60/3P-TB		1	Price on req.	Price on req.
3		Pump body Centrifugal multistage pump body with flanged ports and motor support. Duty point Flow : 60 m³/h / Head : 150 m Pump operating data Impeller diameter : 194.5 mm / Speed : 2900 1/min Flow : 60.06 m³/h / Head : 150.3 m Shaft power P2 : 32.56 kW / Efficiency : 75.4 % Head (Q = 0) : 172 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 50 - 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 : 255 kg Frequency : 50 Hz N. poles : 2 P2 : 37 kW U : 400 V In 1/1 : 64 A EFF : 93.7 % CosPhi : 0.89				
6		Shaft seal: Gland packing		1		
7		Stuffing-box packing : PTFE Twiner system® : Stainless steel				

Technical data

ME50KV80-60/3P-TB

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Dimensions in	mm	Total weight	389 kg
A	1245		
B	273		
C	675		
D	300		
F	297		

Operating data specification

Capacity	60 m³/h
Head	150 m
Fluid	Pure water
Type of installation	<Single head pump>

Pump operating data

Design	ME50KV80-60/3P-TB
Impeller Ø	194.5 mm
Speed	2900 1/min
Flow	60.1 m³/h
Head	150 m
Shaft power P2	32.6 kW
Efficiency	75.4 %
Head (Q=0)	172 m
Non return valve loss	

Electric motor technical data

Design	IEC B5/V1 50 - 2
Rated power	37 kW
Frequency	50 Hz
Number of poles	2
Nominal speed	2900 1/min
Rated voltage	3~ 400 V
Starting mode	Direct starting
Rated current	64 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/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

Performance curves

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Performances				
Speed		2900 1/min	Density	998 kg/m ³
Flow	Min.	25 m ³ /h	Viscosity	1 mm ² /s
	Max.	72 m ³ /h	Temperature	20 °C
Efficiency	Max.	68.8 m ³ /h	Tolerances	ISO 9906 Grade 3B

