

## Product description

### MN40E100-315-4P-50-TM-SS

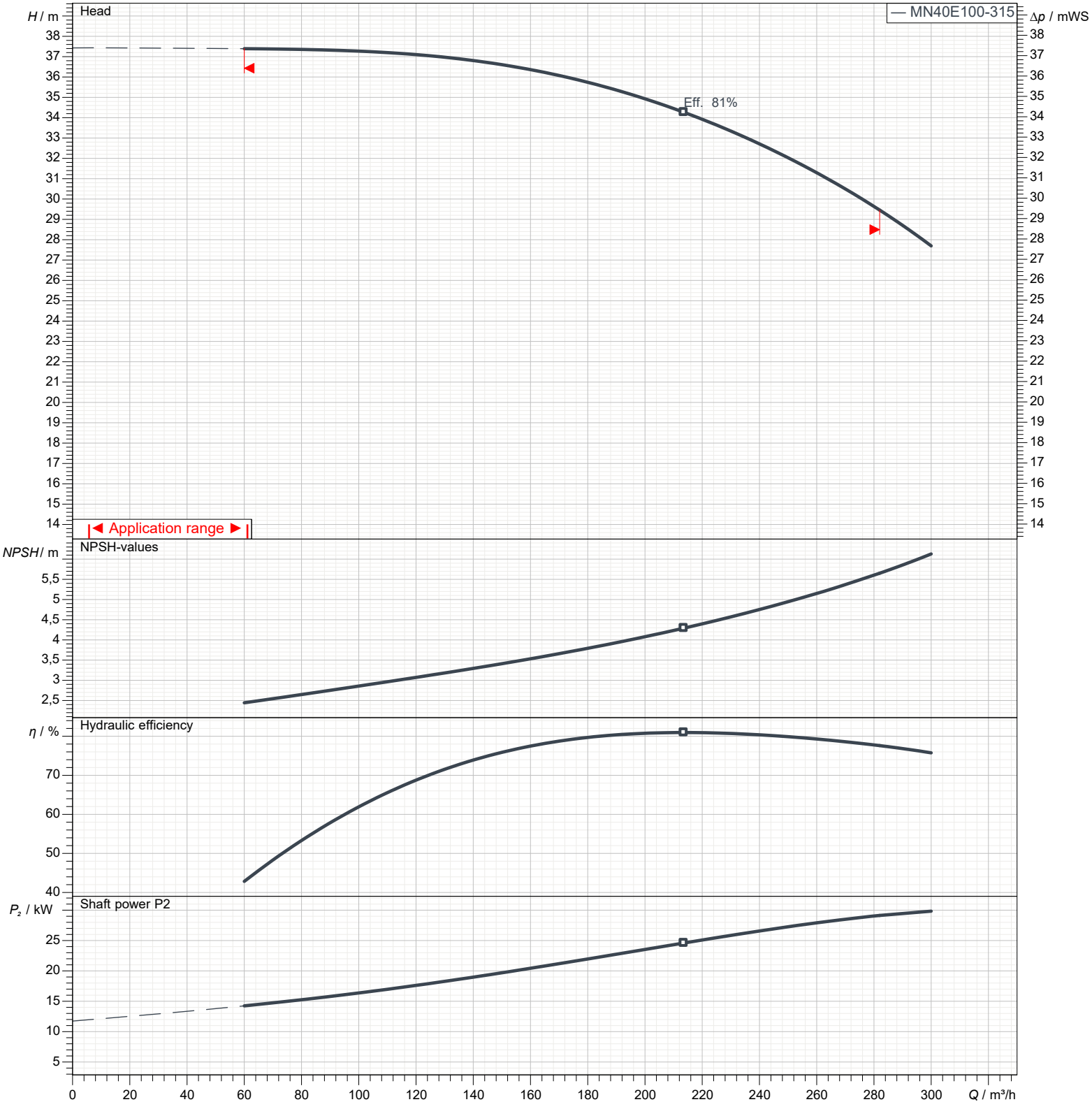
Pos.no	Description	Item no	Qty.	UP / €	TP / €
1	<b>Close-coupled electric pump according to EN 733 (DIN 24255)</b>				
2	Centrifugal pump: MN40E100-315-4P-50-TM-SS		1	Price on req.	Price on req.
3	<p>Pump bodies</p> <p>Close-coupled electric pumps in compliance with EN 733 - DIN 24255 standards coupled to IEC standard electric motors through rigid coupling.</p> <p>Duty point</p> <p>Flow : / Head :</p> <p>Pump operating data</p> <p>Impeller diameter : 320 mm / Speed : 1.450 1/min</p> <p>Flow : / Head :</p> <p>Shaft power P2 : / Efficiency :</p> <p>Head (Q = 0) : 37,43 m</p> <p>Pump body : Cast iron</p> <p>Impeller : Stainless steel</p> <p>Wear ring : Cast iron</p> <p>Support : Cast iron</p> <p>Coupling : Cast iron</p> <p>Shaft : Stainless steel</p> <p>Max. solid contents : 40 g/m<sup>3</sup></p> <p>Max. water temperature : 90 °C</p> <p>Max. running time with Q=0 : 2 min</p>				
4	Motor: IEC 40 - 4		1		
5	<p>Electric motor</p> <p>Three-phase IE3 asynchronous squirrel cage motor.</p> <p>Casing : Cast iron</p> <p>Protection : IP 55</p> <p>Insulation class : F</p> <p>Number of startings : max 14</p> <p>Max environment temperature : 40 °C</p> <p>Max altimetric level : 1000 m</p> <p>Weight : 275 kg</p> <p>Frequency : 50 Hz</p> <p>N. poles : 4</p> <p>P2 : 30 kW</p> <p>U : 400 V</p> <p>In 1/1 : 53,8 A</p> <p>EFF : 93,6 %</p> <p>CosPhi : 0,86</p>				
6	Shaft seal: Mechanical seal		1		
7	<p>Cover : Cast iron</p> <p>Spacer : Stainless steel</p> <p>Seal face : Graphite</p> <p>Seat : Ceramic</p> <p>Seal ring : NBR</p> <p>Spring : AISI 304 stainless steel</p>				



## Performance curves

### MN40E100-315-4P-50-TM-SS

Performances				
Speed		1.450 1/min	Density	998 kg/m <sup>3</sup>
Flow	Min.	60 m <sup>3</sup> /h	Viscosity	1 mm <sup>2</sup> /s
	Max.	282 m <sup>3</sup> /h		
Efficiency	Max.	214 m <sup>3</sup> /h	Temperature	20 °C
				Tolerances



## Types of installation

MN40E100-315-4P-50-TM-SS



Total weight		388 kg		Dimensions in mm	
a	140	h2	315		
A	318	K	19		
AB	390	L	472		
b	80	m1	160		
B	305	m2	120		
BB	370	n1	400		
C	650	n2	315		
D	310	s1	19		
Da1	250	x	8		
Da2	210	y	8		
Da3	18				
Dm1	220				
Dm2	180				
Dm3	18				
DNa	125				
DNm	100				
E	133				
G1	225				
G2	257				
H	200				
h1	250				