

AM-AT 80/4/125 C. 242



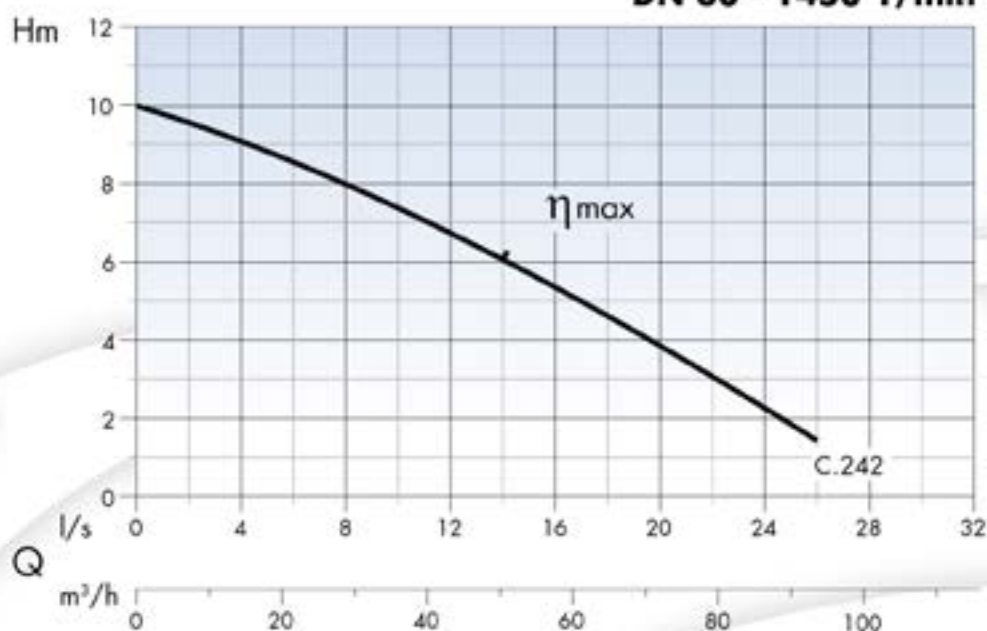
Impeller

SINGLE CHANNEL



Free passage
Ø 75 mm

DN 80 - 1450 1/min



Applications

Submersible electric motor pump for high delivery operations for sewage plants. For pumping of raw dirty waters, flow-by and hot sludge, mixed waters, raw and rotten sludge, stirred sludge.

Motor

Asynchronous electric 4 poles motor with squirrel-cage rotor.
Stator Insulation: F = 155 °C
Protection class: IP 68

Seals

Seal type applied to the motor side: Carbon/Ceramic Ø20
Seal type applied to the wet end side:
Silicon-Carbide+Viton Ø20

Directives, Norms, Tolerances

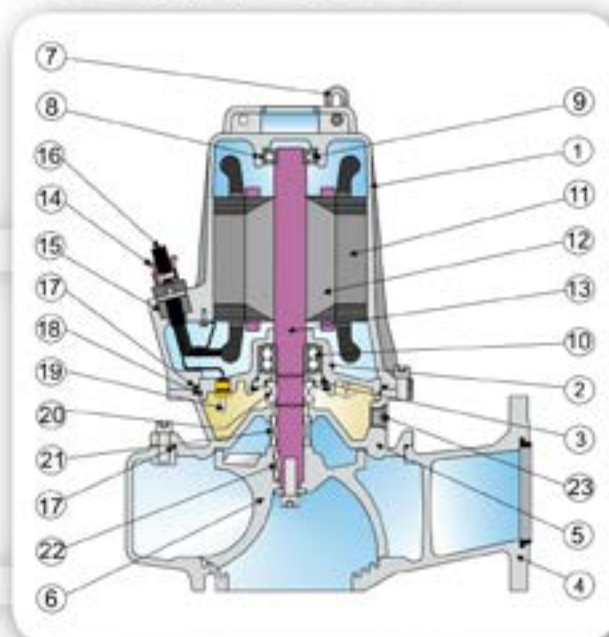
Curves as per ISO 9906, Grade 2

Specifications

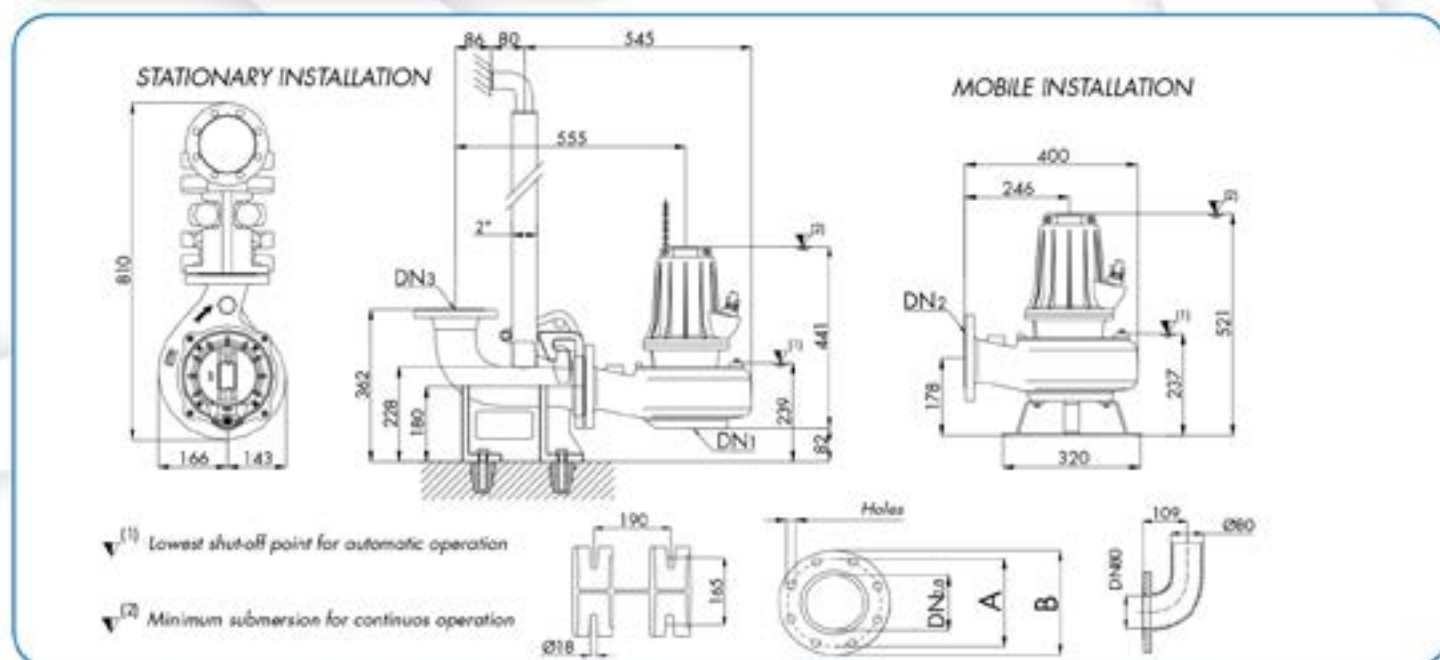
Type	Q	l/s	2	4	6	8	12	16	20	24	26
		l/m	120	240	360	480	720	960	1200	1440	1560
		m³/h	7,2	14,4	21,6	28,8	43,2	57,6	72	86,4	93,6
AM-AT 80/4/125 C. 242		H m	9,5	9,0	8,5	8,0	6,75	5,5	4,0	2,2	1,5

Type	Delivery	kW		Hp	R.p.m. 1/min	Poles	Hz	A			
		P1	P2					1 ~		3 ~	cos φ
								230 V	μf		
AM-AT 80/4/125 C. 242	Dn2 - 80	2,2	1,5	2	1450	4	50	10	45	3,8	0,84

AM-AT 80/4/125 C. 242



Description	Materials
1 Motor casing	Cast iron G25
2 Bearing support	
3 Bearing locking ring	
4 Pump casing	
5 Motor support	Stainless steel Aisi 416
6 Impeller	
7 Chain ring	
8 O' Ring	
9 Upper ball bearing	Nitrilic rubber
10 Lower ball bearing	
11 Stator	
12 Rotor	
13 Motor shaft	Stainless steel Aisi 420
14 Cable clamp	Cast iron G25
15 (Cable) Grommet	Nitrilic rubber
16 Net supply cable	HO7RN8F
17 O' Ring	Nitrilic rubber
18 O' Ring	
19 Conductivity seal sensor	Carbon/Ceramic
20 Upper mechanical seal	
21 Lower mech. seal	Silicon carbide + viton
22 Key	Stainless steel Aisi 304
23 Oil plug	Stainless steel Aisi 416
Bois	Stainless steel Aisi 304



TYPE	DN1	DN2/3	A	B	HOLES		OPTIONAL			
AM 80/4/125 C. 242	80	80	160	200	N°	Ø				
AT 80/4/125 C. 242					8	18				

TYPE	CABLE	SENSOR	SEALS	BEARINGS
AM 80/4/125 C. 242	1 ~ 230 V	3 ~ 400 V	MT	Sonda termica
AT 80/4/125 C. 242	(1) 7x1,5 Ø 15 Pannello di controllo Control panel	(1) 7x1,5 Ø 15 Avv. Diretto Con terminali liberi D.O.L. With free terminals	10	Thermal probe
				SI YES
				Sonda di conduttività
				Conductivity probe
				SI YES
				AR 20
				MG1520/20-G26
				6204 2Z
				3204 2Z

TYPE	X	Y	Z	Kg
AM 80/4/125 C. 242	355	580	420	56
AT 80/4/125 C. 242				

DRENO POMPE SI RISERVA DI CAMBIARE SENZA PREAVVISO I DATI RIPORTATI IN QUESTO CATALOGO
DRENO POMPE CAN ALTER WITHOUT NOTIFICATION THE DATA MENTIONED IN THIS CATALOGUE

Doc_Rev.0
Date_01/05/08

AT 80/4/152 C. 244-245



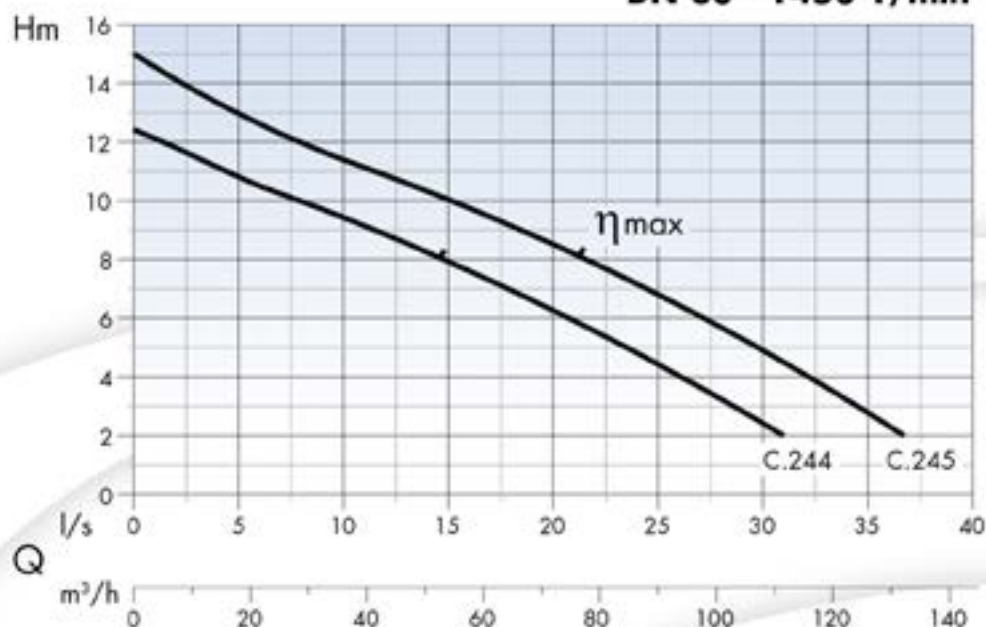
Impeller

SINGLE CHANNEL



Free passage
Ø 75 mm

DN 80 - 1450 1/min



Applications

Submersible electric motor pump for high delivery operations for sewage plants. For pumping of raw dirty waters, flow-by and hot sludge, mixed waters, raw and rotten sludge, stirred sludge.

Motor

Asynchronous electric 4 poles motor with squirrel-cage rotor.
Stator Insulation: F = 155 °C
Protection class: IP 68

Seals

Seal type applied to the motor side: Carbon/Ceramic Ø25
Seal type applied to the wet end side:
Silicon-Carbide+Viton Ø25

Directives, Norms, Tolerances

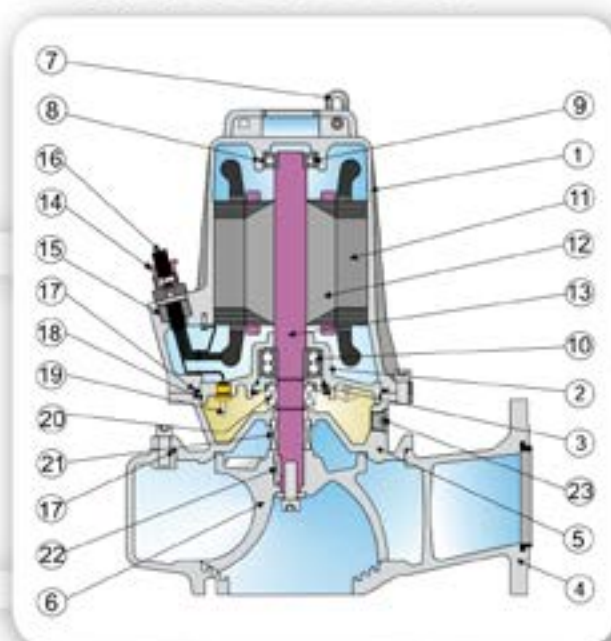
Curves as per ISO 9906, Grade 2

Specifications

Type	Q	I/s	2,5	5	7,5	10	12,5	15	20	25	30	35
		l/m	150	300	450	600	750	900	1200	1500	1800	2100
		m³/h	9	18	27	36	45	54	72	90	108	126
AT 80/4/152 C. 244	H m		11,5	11	10	9,5	8,8	8,0	6,2	4,5	2,5	
AT 80/4/152 C. 245			14	13	12	11,5	10,8	10	8,5	7,0	5,0	3,0

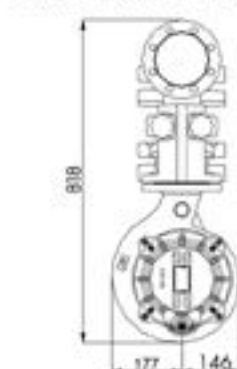
Type	Delivery	kW			R.p.m. 1/min	Poles	A 400V 3 ~	Hz	cos φ
		P1	P2	Hp					
AT 80/4/152 C. 244	Dn - 80	2,8	2,2	3	1450	4	5,2	50	0,81
AT 80/4/152 C. 245		3,8	3,0	4	1450	4	7,2	50	0,78

AT 80/4/152 C. 244-245



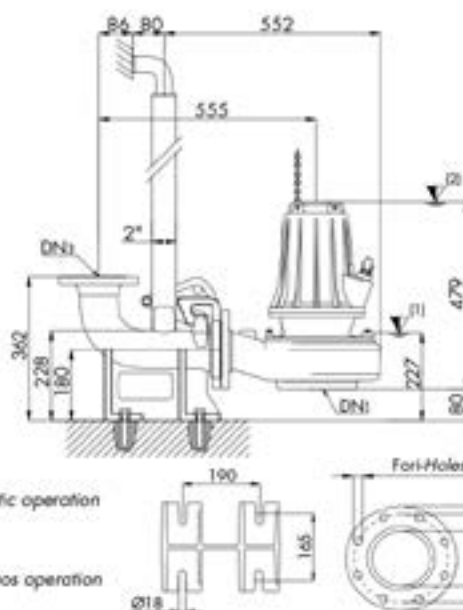
Description	Materials
1 Motor casing	Cast iron G25
2 Bearing support	
3 Bearing locking ring	
4 Pump casing	
5 Motor support	Stainless steel Aisi 416
6 Impeller	
7 Chain ring	
8 O' Ring	
9 Upper ball bearing	Stainless steel Aisi 420
10 Lower ball bearing	
11 Stator	
12 Rotor	
13 Motor shaft	Carbon/Ceramic
14 Cable clamp	
15 (Cable) Grommet	
16 Net supply cable	
17 O' Ring	Nitrilic rubber
18 O' Ring	
19 Conductivity seal sensor	
20 Upper mechanical seal	
21 Lower mech. seal	Silicon carbide + viton
22 Key	
23 Oil plug	
Bolts	Stainless steel Aisi 304

STATIONARY INSTALLATION

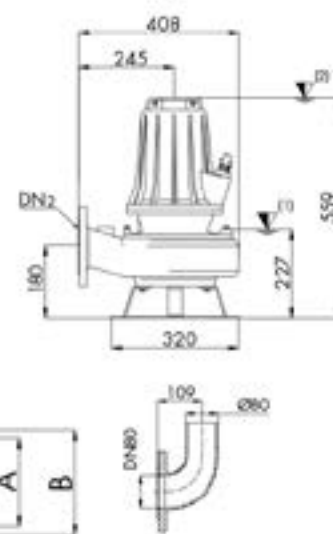


▼⁽¹⁾ Lowest shut-off point for automatic operation

▼⁽²⁾ Minimum submersion for continuous operation



MOBILE INSTALLATION



TYPE	DN ₁	DN _{2/3}	A	B	HOLES		OPTIONAL			
AT 80/4/152 C. 244 AT 80/4/152 C. 245	80	80	160	200	N°	Ø				
					6	18				

TYPE	CABLE	SENSOR	SEALS	BEARINGS
AT 80/4/152 C. 244 AT 80/4/152 C. 245	3 ~ 400 V (1) 7x1,5 Ø 15 Avv. Diretto / Con terminali liberi D.O.L. / With free terminals	MT Sonda termica Thermal probe SI YES Sonda di conduttività Conductivity probe SI YES	 SUP./UPPER INF./LOWER AR 25 MG1525-G16	 SUP./UPPER INF./LOWER 6205 22 3205 22

TYPE	X	Y	Z	Kg
AT 80/4/152 C. 244	355	580	420	69
AT 80/4/152 C. 245	355	580	420	70

DRENO POMPE SI RISERVA DI CAMBIARE SENZA PREAVVISO I DATI RIPORTATI IN QUESTO CATALOGO
DRENO POMPE CAN ALTER WITHOUT NOTIFICATIONS THE DATA MENTIONED IN THIS CATALOGUE

Doc_Rev.0
Date_01/05/08