DRE

Multi-channel open impeller

General characteristics

- Multi-channel open impeller
- 0,37 ÷ 1,5 kW motor power
- 2 poles
- GAS 1 1/4"- 2" vertical
  GAS 2" - DN50 horizontal
- max 15 mm free passage

Electromechanical assembly

Electromechanical assembly in GJL-250 cast iron, for submerged operation. Seal set comprising 1 (one) silicon carbide mechanical seal and 1 (one) lip seal. Ecological dry motor. Separate pump body. Series not available in explosion-proof version.

Applications

Can be used with clear or slightly soiled wastewaters containing small solids, strained water, rainwater, seepage and water pumped from underground. Suitable for specifically domestic use.

Construction materials

Case	Cast Iron EN-GJL 250
Impeller	Cast iron EN-GJL-250
Nuts and bolts	Stainless Steel - Class A2-70
Standard gasket	Rubber - NBR
Shaft	Stainless Steel - AISI 420
Set of standard mechanical seals	One Silicon carbide mechanical seal (SiC)

operating limits

Maximum operating temperature	40 °C
PH of treated fluid	6 to 10 pH
Viscosity of treated fluid	1 mm^2/s
Maximum immersion depth	20 m
Density of treated fluid	1 Kg/dm^3
Maximum acoustic pressure	70 dB
max starts per hour	20

Models available in IECEx certified version

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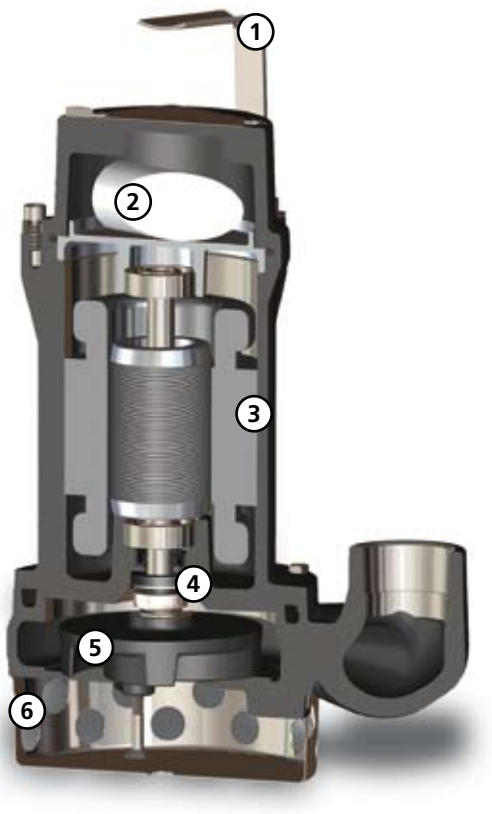
DRE



Handle

AISI 304 stainless steel lifting and carrying handle

Capacitor/relay

Integral capacitor for single-phase models (relay for three-phase models)

Motor

Ecological dry motor with thermal overloads

Mechanical seals

One mechanical seal in silicon carbide (SiC)

Anti-clogging system

The special design of the hydraulic part ensures the expulsion of suspended solids and prevents fouling of the impeller

Intake strainer

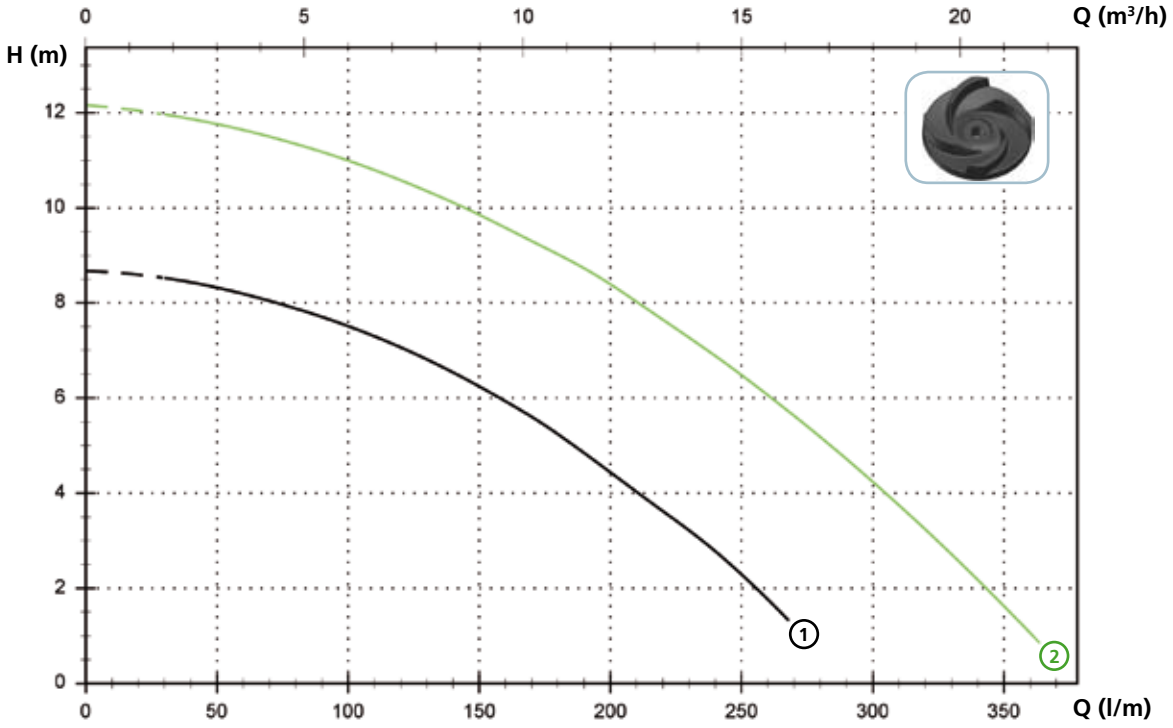
Intake strainer in stainless steel

DRE

Models with vertical GAS 1 1/4" threaded delivery port - 2 poles

Performances

	l/s	0	1	2	3	4	5	6
	l/min	0	60	120	180	240	300	360
	m³/h	0	3,6	7,2	10,8	14,4	18,0	21,6
① DRE 50/2/G32V A0BM(T)/50		*8,7*	8,2	7,1	5,2	2,8		
② DRE 75/2/G32V A0BM(T)/50		*12,2*	11,6	10,6	9,0	6,9	4,2	1,1



Technical data

	V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Ø	Cable (*)	Free passage
① DRE 50/2/G32V A0BM/50	230	1	-	0.37	2.8	2900	G 1 1/4"	A	15 mm
② DRE 75/2/G32V A0BM/50	230	1	-	0.55	3.8	2900	G 1 1/4"	A	15 mm

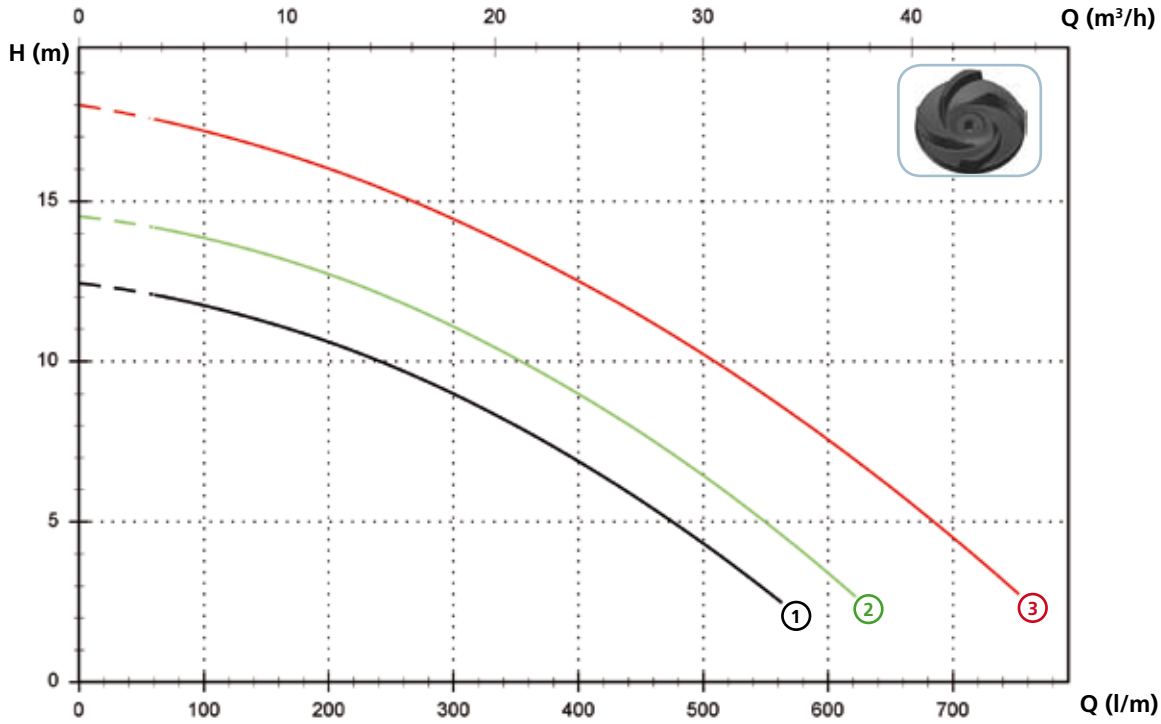
	V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Ø	Cable (*)	Free passage
① DRE 50/2/G32V A0BT/50	400	3	-	0.37	1.1	2900	G 1 1/4"	B	15 mm
② DRE 75/2/G32V A0BT/50	400	3	-	0.55	1.3	2900	G 1 1/4"	B	15 mm

(*) A = H07RN-F 3G1 - 5 m cable length. Optional 10 m cable length with schuko plug.
B = H07RN-F 4G1 - 10 m cable length
Attention: Standard EN 60335-2-41 requires the use of a 10 m cable length in outdoor applications

Models with vertical GAS 2" threaded delivery port - 2 poles

Performances

	l/s	0	2	4	6	8	10	12
	l/min	0	120	240	360	480	600	720
	m³/h	0	7,2	14,4	21,6	28,8	36,0	43,2
(1) DRE 100/2/G50V A0CM(T)/50	*12,4*	11,6	10,0	7,8	4,9			
(2) DRE 150/2/G50V A0CM(T)50	*14,5*	13,7	12,1	9,9	7,0	3,4		
(3) DRE 200/2/G50V A0CM(T)/50	*18,0*	17,0	15,4	13,3	10,7	7,6	3,9	



Technical data

	V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Ø	Cable (*)	Free passage
(1) DRE 100/2/G50V A0CM/50	230	1	-	0.88	6.5	2900	G 2"	A	15 mm
(2) DRE 150/2/G50V A0CM/50	230	1	-	1.1	8.2	2900	G 2"	A	15 mm
(3) DRE 200/2/G50V A0CM/50	230	1	-	1.5	9.3	2900	G 2"	A	15 mm

	V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Ø	Cable (*)	Free passage
(1) DRE 100/2/G50V A0CT/50	400	3	-	0.88	2.3	2900	G 2"	B	15 mm
(2) DRE 150/2/G50V A0CT/50	400	3	-	1.1	2.7	2900	G 2"	B	15 mm
(3) DRE 200/2/G50V A0CT/50	400	3	-	1.5	3.5	2900	G 2"	B	15 mm

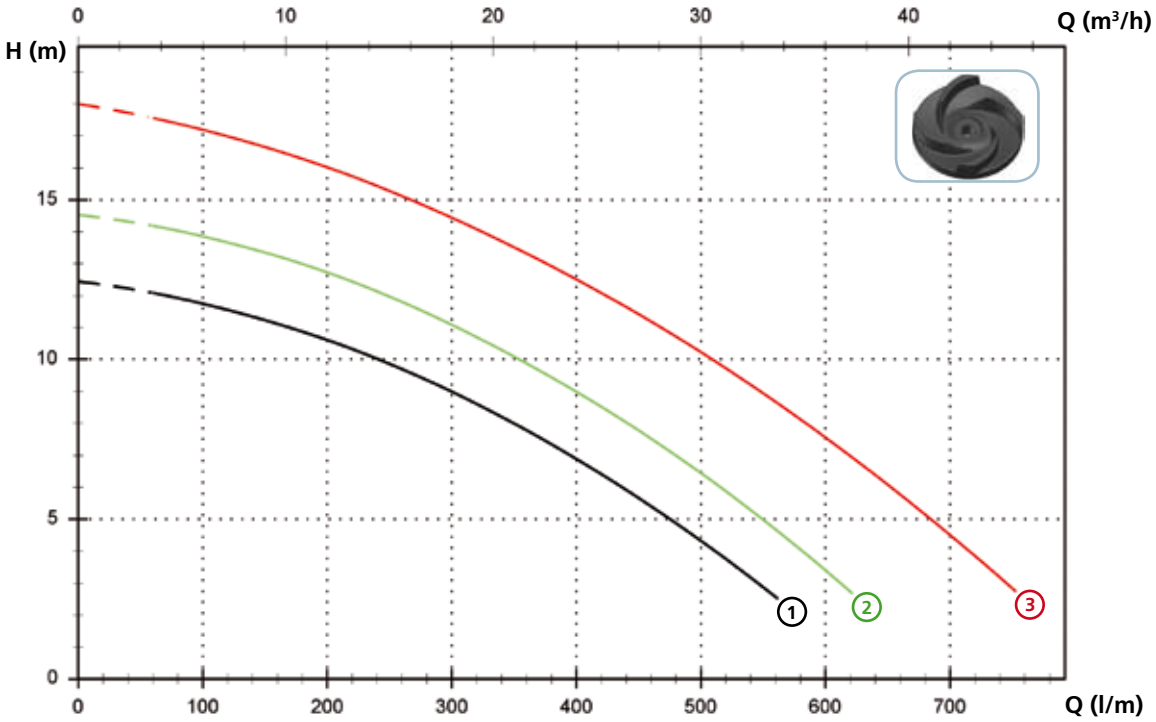
(*) A = H07RN-F 3G1 - 5 m cable length. Optional 10 m cable length with schuko plug.
B = H07RN-F 4G1 - 10 m cable length
Attention: Standard EN 60335-2-41 requires the use of a 10 m cable length in outdoor applications

DRE

Models with horizontal GAS 2" threaded - DN50 PN10-16 flanged delivery port - 2 poles

Performances

	l/s	0	2	4	6	8	10	12
	l/min	0	120	240	360	480	600	720
	m³/h	0	7,2	14,4	21,6	28,8	36,0	43,2
①	DRE 100/2/G50H A0CM(T)/50	*12,4*	11,6	10,0	7,8	4,9		
②	DRE 150/2/G50H A0CM(T)/50	*14,5*	13,7	12,1	9,9	7,0	3,4	
③	DRE 200/2/G50H A0CM(T)/50	*18,0*	17,0	15,4	13,3	10,7	7,6	3,9



Technical data

		V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Ø	Cable (*)	Free passage
①	DRE 100/2/G50H A0CM/50	230	1	-	0.88	6.5	2900	G 2"- DN50 PN10-16	A	15 mm
②	DRE 150/2/G50H A0CM/50	230	1	-	1.1	8.2	2900	G 2"- DN50 PN10-16	A	15 mm
③	DRE 200/2/G50H A0CM/50	230	1	-	1.5	9.3	2900	G 2"- DN50 PN10-16	A	15 mm

		V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Ø	Cable (*)	Free passage
①	DRE 100/2/G50H A0CT/50	400	3	-	0.88	2.3	2900	G 2"- DN50 PN10-16	B	15 mm
②	DRE 150/2/G50H A0CT/50	400	3	-	1.1	2.7	2900	G 2"- DN50 PN10-16	B	15 mm
③	DRE 200/2/G50H A0CT/50	400	3	-	1.5	3.5	2900	G 2"- DN50 PN10-16	B	15 mm

(*) A = H07RN-F 3G1 - 5 m cable length. Optional 10 m cable length with schuko plug.
B = H07RN-F 4G1 - 10 m cable length
Attention: Standard EN 60335-2-41 requires the use of a 10 m cable length in outdoor applications

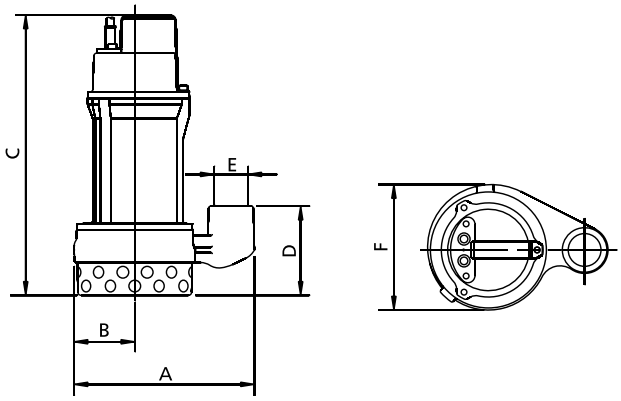
Versions available

(Key to versions on page 15)

	Electrical variants													Cooling		Mechanical seals			
	NAE	T	TC	TCD	TCDT	TCDGT	TCG	TCST	TCSGT	TS	TR	TRG	FT	CGFT	N	CC	2SIC	SICM	SICAL	2SICAL
DRE 50/2/G32V A0BM/50			●				●								●			●		
DRE 75/2/G32V A0BM/50			●				●								●			●		
DRE 100/2/G50V A0CM/50			●				●								●			●		
DRE 150/2/G50V A0CM/50			●				●								●			●		
DRE 200/2/G50V A0CM/50			●				●								●			●		
DRE 100/2/G50H A0CM/50			●				●								●			●		
DRE 150/2/G50H A0CM/50			●				●								●			●		
DRE 200/2/G50H A0CM/50			●				●								●			●		
DRE 50/2/G32V A0BT/50	●											●			●			●		
DRE 75/2/G32V A0BT/50	●											●			●			●		
DRE 100/2/G50V A0CT/50	●											●			●			●		
DRE 150/2/G50V A0CT/50	●											●			●			●		
DRE 200/2/G50V A0CT/50	●											●			●			●		
DRE 100/2/G50H A0CT/50	●											●			●			●		
DRE 150/2/G50H A0CT/50	●											●			●			●		
DRE 200/2/G50H A0CT/50	●											●			●			●		

Overall dimensions and weights

Models with vertical delivery port

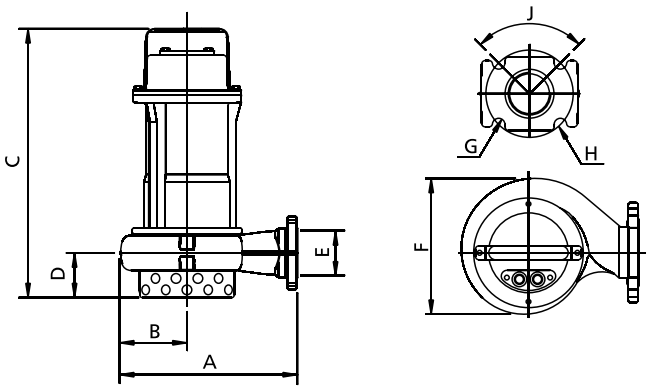


	A	B	C	D	E	F	kg
DRE 50/2/G32V A0BM(T)/50	215	70	335	105	G 1 1/4"	150	11
DRE 75/2/G32V A0BM (T)/50	215	70	335	105	G 1 1/4"	150	13
DRE 100/2/G50V A0CM (T)/50	265	100	385	125	G 2"	190	19
DRE 150/2/G50V A0CM (T)/50	265	100	385	125	G 2"	190	20
DRE 200/2/G50V A0CM (T)/50	265	100	385	125	G 2"	190	21

Measurements in mm

DRE

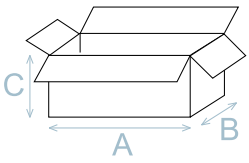
Models with horizontal delivery port



	A	B	C	D	E	F	G	H	J	kg
DRE 100/2/G50H A0CM (T)/50	255	95	385	65	G 2”-DN50	195	18	125	90°	19
DRE 150/2/G50H A0CM (T)/50	255	95	385	65	G 2”-DN50	195	18	125	90°	20
DRE 200/2/G50H A0CM (T)/50	255	95	385	65	G 2”-DN50	195	18	125	90°	21

Packaging dimension

	A	B	C
DRE 50/2/G32V A0BM(T)/50	385	225	245
DRE 75/2/G32V A0BM (T)/50	385	225	245
DRE 100/2/G50V A0CM (T)/50	475	285	235
DRE 150/2/G50V A0CM (T)/50	475	285	235
DRE 200/2/G50V A0CM (T)/50	475	285	235
DRE 100/2/G50H A0CM (T)/50	475	285	235
DRE 150/2/G50H A0CM (T)/50	475	285	235
DRE 200/2/G50H A0CM (T)/50	475	285	235

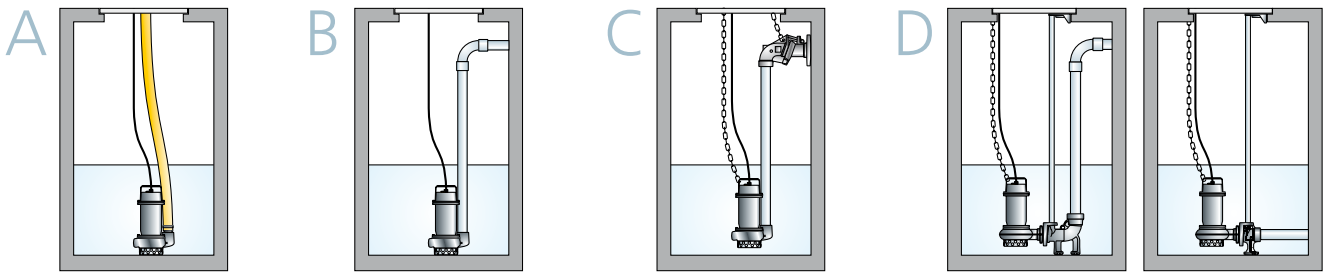


Dimension in mm

No. pieces per pallet

For DRE 50-75-100 models each pallet (EUR 1000X1200 mm) is able to take 48 pieces.
For DRE 150-200 models each pallet (EUR 1000X1200 mm) is able to take 32 pieces.

Installations available



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