

MULTICUT 20-76

SEWAGE PUMP

Submersible sewage pumps fitted with the all new optimised cutting system, ideal for pumping untreated wastewater and providing back pressure protection where no sewer systems exist or gravity systems are unsuitable.



KEY FEATURES

- New optimised cutting system
- External, adjustable cutting mechanism
- SiC mechanical seal
- Installed motor protection
- Moisture sealed cable inlet

Introducing

PENTAIR JUNG PUMPEN

MULTICUT 20-76

SEWAGE PUMP

NEW CUTTING SYSTEM



Reliable. Durable. Unique.

208,800
CUTS PER MINUTE

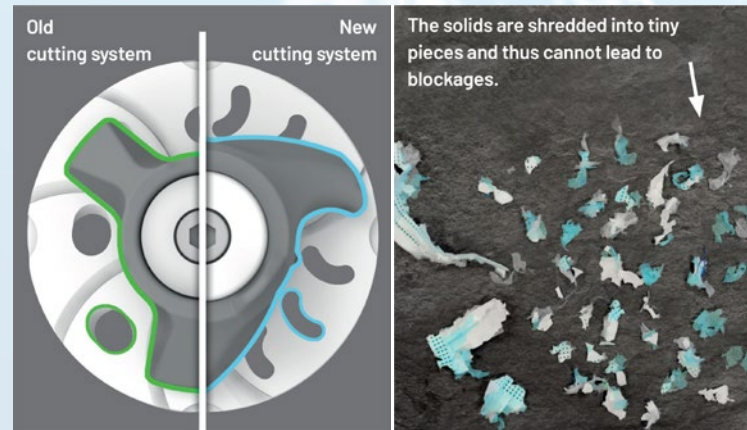
- ✓ Modified cutting geometry – 12 curved holes
- ✓ Three times as many cuts – solids & debris cut finer
- ✓ Easy change cutting system
- ✓ 1:1 replaceable on existing pumps

THE OPTIMISED MULTICUT CUTTING SYSTEM ENSURES MAXIMUM OPERATIONAL RELIABILITY WITH OUTSTANDING PERFORMANCE.

Fitted with a hardened stainless steel cutter plate and a three-bladed cutter, the Multicut disintegrates solids with more than 200,000 cutting processes per minute. The improved design of the cutter and cutter plate result in two cuts per hole and a threefold increase in cuts made. The position of the cutting system remains in front of the pump hydraulics, ensuring that only shredded solids can enter the pump and the Multicut can continue to provide its renowned reliability.

FEATURES

- New optimised cutting system
- External, adjustable cutting mechanism
- Easy change cutting system
- SiC mechanical seal independent of sense of rotation
- Installed motor protection
- Moisture sealed cable inlet



MULTICUT 20-76

Type	Code No.	Voltage	Motor rating		Current	Wires	Fuse	S3	Weight
			P1	P2					
Without ex-proof									
20/2 M plus	JP50350	3/PE~400 V	2.40 kW	1.91 kW	4.0 A	6G1,5	10 A	25 %	29.0 kg
25/2 ME	JP50356	1/N/PE~230 V	2.70 kW	2.04 kW	12.0 A	6G1,5	16 A	35 %	38.0 kg
35/2 M	JP50357	3/PE~400 V	3.70 kW	3.04 kW	6.6 A	6G1,5	10 A	40 %	40.5 kg
36/2 M	JP50363	3/PE~400 V	4.20 kW	3.42 kW	7.3 A	6G1,5	10 A	30 %	40.5 kg
45/2 M	JP50369	3/PE~400 V	4.84 kW	3.93 kW	7.9 A	6G1,5	10 A	25 %	42.0 kg
75/2 M	JP50375	3/PE~400/690 V	7.70 kW	6.60 kW	13.2 A/7.7 A	10G2,5	20 A	30 %	90.0 kg
76/2 M	JP50377	3/PE~400/690 V	7.70 kW	6.60 kW	13.2 A/7.7 A	10G2,5	20 A	30 %	90.0 kg
With ex-proof									
20/2 M plus, Ex	JP50352	3/PE~400 V	2.40 kW	1.91 kW	4.0 A	6G1,5	10 A	25 %	29.0 kg

MECHANICAL DATA

Pump	Vertical single-stage
Bearing	Ball bearings, grease-lubricated
Seal on motor side	Duplex shaft seal
Oil chamber	Yes
Seal on medium side	SiC mechanical seal
Dry run protection	Yes
Impeller	Vortex impeller, grey cast iron 20/2 M: GFK
Motor housing	Grey cast iron
Pump housing	Grey cast iron
Submersible	Yes
Pressure outlet	DN 32

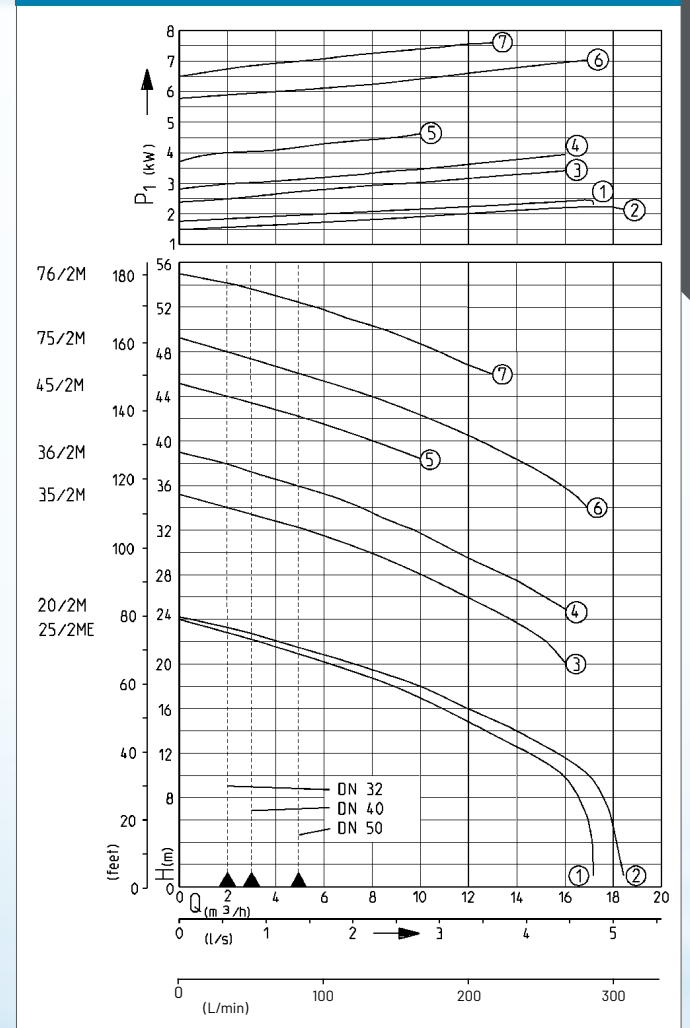
ELECTRICAL DATA

Cable	10m H07RN-F
Type of enclosure	IP 68
Insulation class	F
Winding thermostat	Yes
Motor Protection	Thermostat

OPERATING CONDITIONS

Max Temperature	40° C max liquid operating temperature
Submerged Motor	Continuous operation (S1)
Emerged Motor	Intermittent operation (S3) (e.g. 20% = 2 min. operation, 8 min. break)

PERFORMANCE



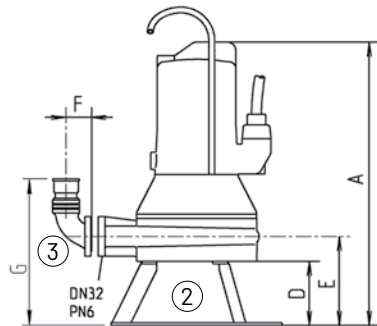
pentair.com.au

SPECIFICATIONS

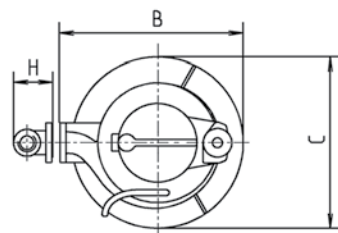
Type	Delivery head H [m]	6	9	12	15	18	21	25	28	32	34	36	38	40	44	46	48	50	52	54
20/2 M plus	Flow rate Q [m³/h]	18	17	16	13	10	6													
25/2 ME		17	16	15	12	9	5													
35/2 M							16	13	10	5										
36/2 M								16	14	10	7	5	2							
45/2 M													10	8	2					
75/2 M											17	16	15	13	8	5	2			
76/2 M																13	11	9	6	3

DIMENSIONS AND INSTALLATION EXAMPLES

Dimensions pump base (mm)



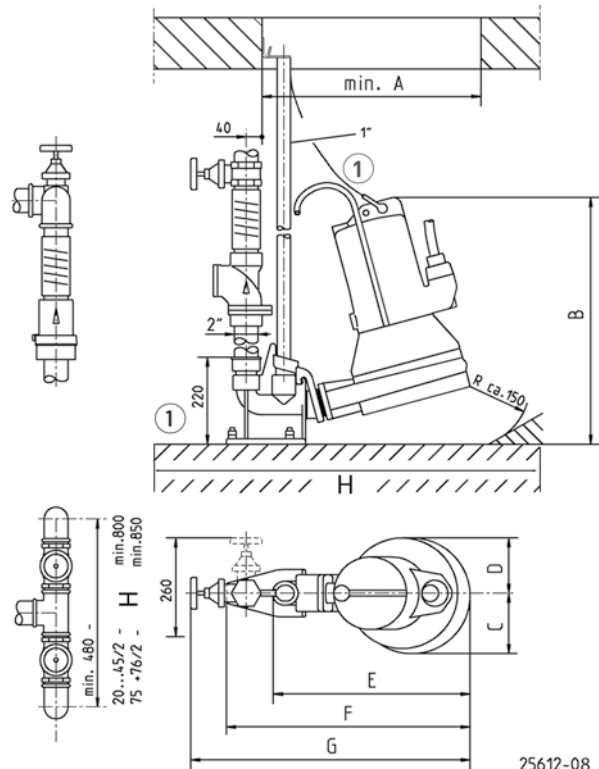
1 1/4"
1 1/4"-1 1/2"



Typ	A	B	C	D	E	F	G	H
20/2M	440	290	230	100	140	60	230	90
25/2ME	520	330	250	140	180	60	270	90
35/2M+36/2M	520	330	250	140	180	60	270	90
45/2M	520	330	255	140	180	60	270	90
75/2M+76/2M	665	430	400	150	210	60	300	90

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Example of guide rail installation (mm)



25612-08

	A	B	C	D	E	F	G	H	min.
20/2M plus	430	450	110	110	380	500	585	400 x 700mm	
25/2ME-36/2M	470	490	125	125	420	540	635	400 x 700mm	
45/2M	470	490	130	125	420	540	635	400 x 700mm	
75/2M+76/2M	545	625	155	140	500	615	705	400 x 800mm	

COMMON ACCESSORIES

Code No.

- ① **Guide rail system** GR35 1 1/2" female thread for Multicut pumps
- ② **Pump base** 20/2M
M 25/2ME - 45/2M
M220 75/2M - 76/2M
- ③ **Pipe connection** 1 1/4" elbow (female thread)

JP14094
JP44759
JP20980
JP22302
JP16870

NOTE: Single and dual pump controllers available. Contact Pentair customer service at au.sales@pentair.com



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