

MAGNUMTM

A Generac Company



MDS LINE



MTL LINE



MWP LINE



GENERAL CATALOGUE
2019

COMPANY OVERVIEW



Magnum is a global brand in the mobile products industry. Mobile diesel-powered lighting towers, dust suppression systems, mobile diesel generators & diesel water pumps, are Magnum four cornerstones where we build day after day our success. In fact, we are now one of largest lighting tower manufacturer in the world. That was the first product line we introduced. Diesel Generators, Diesel Water Pumps, and Dust Suppression Units have been added to the product line throughout the years and with the expertise of Generac, we have experienced continued growth and success in the industry. Magnum brand and production is committed to supporting you and your customer before, during and after the sale. A dedicated support staff is available to answer all your technical questions and it is only a phone call or email away. We listen to your needs and work closely with our expert staff of engineers to determine viable solutions to meet them. We know it's impossible to predict the maintenance needs of your fleet. We keep an ample supply of competitively priced service parts on hand at all times, because down time is lost time for you and your customer.

THE RIGHT SOLUTION FOR YOU

With its worldwide presence, Magnum is a leading manufacturer of industrial machines built for a variety of industries. A pioneer of the lighting towers market that now offer dust suppressors, pumps and generators. Whether your business is in a construction site in the middle of the desert, on an off-shore oil plant or in a mine, Magnum can provide best in class solutions to improve the efficiency of your operations.



RENTAL



CONSTRUCTION



OIL AND GAS



MINING



MTL

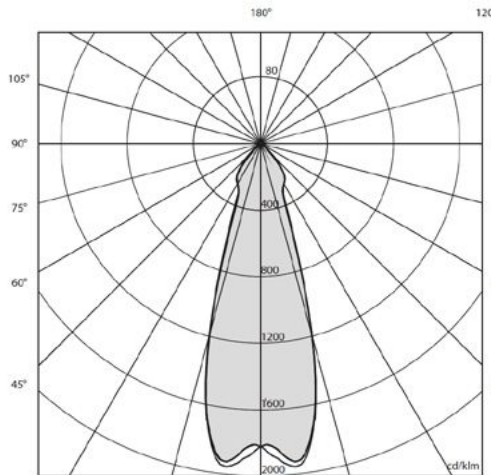
LIGHTING TOWERS

HIGH QUALITY STANDARD



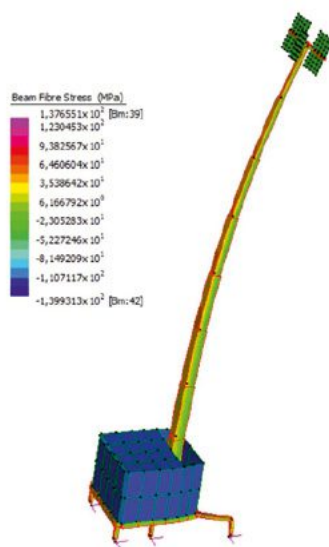
ISO 9001

Magnum has implemented and maintains a management system for the design and manufacturing which fulfills the requirements of the ISO 9001:2015/Quality Management System standards. This certification has been issued by a third-party independent authority.



ILLUMINATED AREA

Light towers manufactured by Magnum are equipped with floodlights of different type and wattage; each of them has been tested by a third-party independent authority to officially certify the luminous power.



WIND SPEED STABILITY

All light towers manufactured by Magnum have a specific resistance to the wind speed, that is guaranteed only under a correct installation of the machine by following the instructions described on the user manual. The wind speed stability certifications have been issued by a third-party independent authority.



4x185W
LED

93.000
Lumen

Manual
mast

MTL7LD

LIGHTING TOWERS

Light Tower

Maximum height	6,7 m
Raising	Manual
Sections	5
Rotation	340°
Maximum wind stability	80 km/h
Min. dim. (LxWxH)	1230 x 780 x 2110 mm
Max. dim. (LxWxH)	1870 x 1460 x 6700 mm
Dry weight	248 kg
Mast lifting system	Manual winch
Quantity per 40 feet «High Cube»	33

Other specifications

Inlet socket	16 A - 230 V - 50/60 Hz
Outlet socket	16 A - 230 V - 50/60 Hz
Lamps power	4 x 185W
Lamps type	LED
Up to 4 units can be connected in series to a single power source	



MTL 8MH

LIGHTING TOWERS

4x1.000W

**metal
halide**

360.000

Lumen

Manual

mast



Light Tower

Maximum height	8 m
Raising	Manual
Sections	6
Rotation	340°
Maximum wind stability	110 km/h
Min. dim. with trailer (LxWxH)	2690 x 1300 x 2516 mm
Max. dim. with trailer (LxWxH)	2690 x 2506 x 8000 mm
Dry weight with trailer	770 kg
Mast lifting sytem	Manual winch
Quantity per 40 feet «High Cube»	14

Engine

Brand and type	Yanmar 3TN / Perkins 403D-11
Number of cylinders	3
Displacement (cm³)	904 / 1123
Engine speed (50 or 60 Hz)	1500 or 1800 rpm
Engine cooling system	Liquid
Fuel	Diesel
Specific fuel consumption	265 gr/kWh
Fuel tank capacity	80 l
Noise level	93 Lwa
Battery	12 V - 44 Ah

Alternator

Brand	Linz
Single-phase voltage	8 kVA - 230 V
Single-phase auxiliary socket	3 kVA - 230 V - 16 A
Frequency	50/60 Hz
Mechanical protection	IP 23



4x320W
LED

184.000
Lumen

Manual
mast

MTL8LD

LIGHTING TOWERS

Light Tower

Maximum height	8 m
Raising	Manual
Sections	6
Rotation	340°
Maximum wind stability	110 km/h
Min. dim. with trailer (LxWxH)	2690 x 1300 x 2515 mm
Max. dim. with trailer (LxWxH)	2690 x 2506 x 8000 mm
Dry weight with trailer	770 kg
Mast lifting sytem	Manual winch
Quantity per 40 feet «High Cube»	14

Engine

Brand and type	Kubota Z482
Number of cylinders	2
Displacement (cm³)	479
Engine speed (50 or 60 Hz)	1500 or 1800 rpm
Engine cooling system	Liquid
Fuel	Diesel
Specific fuel consumption	260 gr/kWh
Fuel tank capacity	80 l
Noise level	84 Lwa
Battery	12 V - 44 Ah

Alternator

Brand	Linz
Single-phase voltage	5 kVA - 230 V
Single-phase auxiliary socket	2 kVA - 230 V - 16 A
Frequency	50/60 Hz
Mechanical protection	IP 23



MTL 9MH

LIGHTING TOWERS

4x1.000W
metal
halide

360.000
Lumen

Manual
Mast



Light Tower

Maximum height	9,15 m
Raising	Manual
Sections	6
Rotation	360°
Maximum wind stability	110 km/h
Min. dim. with lowered mast	4547 x 1650 x 1830 mm
Max. dim. with raised mast	3018 x 2776 x 9150 mm
Dry weight with trailer	740 kg
Mast lifting system	Manual winch
Quantity per 40 feet «High Cube»	20

Engine

Brand and type	Yanmar 3TN / Perkins 403D-11
Number of cylinders	3
Displacement (cm ³)	903 / 1131
Engine speed (50 or 60 Hz)	1500 or 1800 rpm
Engine cooling system	Liquid
Fuel	Diesel
Fuel tank capacity	110 l
Noise level	91 Lwa
Battery	12 V - 44 Ah

Alternator

Brand	Mecc Alte
Single-phase voltage	6 kVA - 230 V
Single-phase auxiliary socket	Schuko - 230 V - 16A
Frequency	50/60 Hz
Mechanical protection	IP 23



4x1.000W
metal
halide

360.000
Lumen

Hydraulic
mast

MTL1MH

LIGHTING TOWERS

Light Tower

Maximum height	8,5 m
Raising	Hydraulic
Sections	6
Rotation	340°
Maximum wind stability	110 km/h
Min. dim. with trailer (LxWxH)	3400 x 1580 x 2360 mm
Max. dim. with trailer (LxWxH)	3400 x 1850 x 8500 mm
Dry weight with trailer	1150 kg
Trailers available	Road trailer or site trailer
Quantity per 40 feet «High Cube»	10

Engine

Brand and type	Kubota D1105
Number of cylinders	3
Engine speed (50 or 60 Hz)	1500 or 1800 rpm
Engine cooling system	Liquid
Maximum wind stability	110 km/h
Fuel	Diesel
Specific fuel consumption	265 gr/kWh
Fuel tank capacity	112 l
Noise level	90 Lwa
Battery	12 V - 44 Ah

Alternator

Brand	Linz
Single-phase voltage	8 kVA - 230 V
Singe-phase auxiliary socket	3 kVA - 230 V - 16 A
Frequency	50/60 Hz
Mechanical protection	IP 23



MTLevo

LIGHTING TOWERS

4x320W
LED

184.000
Lumen

Manual
mast



Light Tower

Maximum height	8 m
Raising	Manual
Sections	5
Rotation	340°
Maximum wind stability	110 km/h
Min. dim. with trailer (LxWxH)	2480 x 1310 x 2450 mm
Max. dim. with trailer (LxWxH)	2480 x 2400 x 8000 mm
Dry weight with trailer	658 kg

Engine

Brand and type	Kubota Z482
Number of cylinders	2
Displacement (cm ³)	479
Engine speed (50 or 60 Hz)	1500 or 1800 rpm
Engine cooling system	Liquid
Fuel	Diesel
Specific fuel consumption	260 gr/kWh
Fuel tank capacity	120 l
Noise level	85 Lwa
Battery	12 V - 44 Ah

Alternator

Brand	Linz
Single-phase voltage	5 kVA - 230 V
Single-phase auxiliary socket	2 kVA - 230 V - 16 A
Frequency	50/60 Hz
Mechanical protection	IP 23



6x320W
LED

276.000
Lumen

Manual
mast

MTL8MINE

LIGHTING TOWERS

Light Tower

Maximum height	8 m
Raising	Manual
Sections	6
Rotation	340°
Maximum wind stability	110 km/h
Min. dim. with trailer (LxWxH)	2430 x 1130 x 2450
Max. dim. with trailer (LxWxH)	2430 x 2190 x 8000
Dry weight with trailer	760 kg
Mast lifting sytem	Manual winch
Quantity per 40 feet «High Cube»	14

Engine

Brand and type	Perkins 403D-11
Number of cylinders	3
Displacement (cm ³)	1123
Engine speed (50 or 60 Hz)	1500 or 1800 rpm
Engine cooling system	Liquid
Fuel	Diesel
Specific fuel consumption	267 gr/kWh
Fuel tank capacity	110 l
Noise level	88 Lwa
Battery	12 V - 44 Ah

Alternator

Brand	Linz
Single-phase voltage	8 kVA - 230 V
Single-phase auxiliary socket	3 kVA - 230 V - 16 A
Frequency	50/60 Hz
Mechanical protection	IP 23



MTLHMH

LIGHTING TOWERS

4x1.000W

**metal
halide**

360.000

Lumen

Hydraulic

mast



Light Tower

Maximum height	8,5 m
Raising	Hydraulic
Sections	6
Rotation	340°
Maximum wind stability	110 km/h
Dimension min (LxWxH)	3820 x 1566 x 2536 mm
Dimension max (LxWxH)	3820 x 1566 x 8500 mm
Dry weight with trailer	760 kg
Trailers available	Site trailer

Generator

	Option 10 kVA	Option 20 kVA
Engine	Perkins 403D11	Perkins 404D22
Stand-by Power	10 kVA - 400 V	22 kVA - 400 V
Prime Power	9 kVA - 400 V	20 kVA - 400 V
Frequency	50 Hz	50 Hz
Engine cooling system	Liquid	Liquid
Number of cylinders	3	4
Engine speed	1500 rpm	1500 rpm
Tank capacity	68 liters	68 liters
Running time (75% load)	34 hours	17 hours
Noise level	91 Lwa	83 Lwa
Dry weight	525 Kg	715 Kg



4x320W
LED

167.300
Lumen

Hydraulic
mast

MTLQ10
LIGHTING TOWERS

Light Tower

Maximum height	8,4 m
Raising	Hydraulic
Sections	6
Rotation	340°
Maximum wind stability	80 km/h
Min. dim. with trailer (LxWxH)	1220 x 1150 x 2420 mm
Max. dim. with trailer (LxWxH)	1790 x 1740 x 8400 mm
Dry weight with trailer	1070 kg

Engine

Brand and type	Kubota Z482
Number of cylinders	2
Displacement (cm ³)	479
Engine speed (50 or 60 Hz)	1500 or 1800 rpm
Engine cooling system	Liquid
Fuel	Diesel
Specific fuel consumption	260 gr/kWh
Fuel tank capacity	170 l
Noise level	83 Lwa
Battery	12 V - 44 Ah

Alternator

Brand	Linz
Single-phase voltage	5 kVA - 230 V
Single-phase auxiliary socket	2,5 kVA - 230 V - 16 A
Frequency	50/60 Hz
Mechanical protection	IP 23



MTL2LD

LIGHTING TOWERS

4x185W
LED

93.000
Lumen

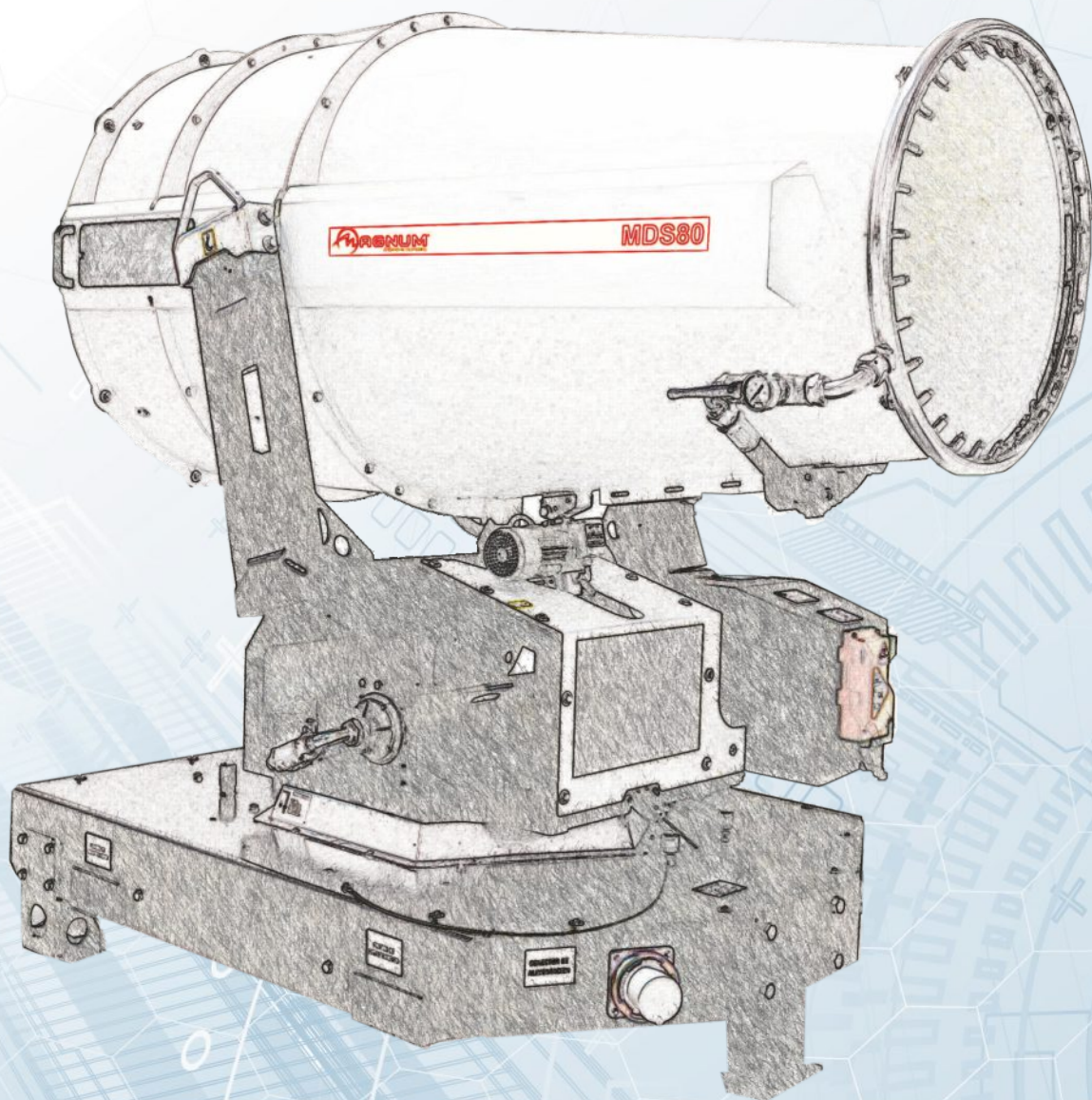
Manual
mast



Light Tower

Maximum height	5,5 m
Raising	Manual
Sections	5
Rotation	340°
Maximum wind stability	80 km/h
Min. dimension (LxWxH)	1270 x 980 x 1870 mm
Max. dimension (LxWxH)	1470 x 1420 x 5500 mm
Dry weight included generator	320 kg
Mast lifting system	Manual winch

Generator	Option 4kVA	Option 5kVA
Engine	Yanmar L70N	Honda Gx270
Stand-by Power	4,1 kVA - 230 V	5,3 kVA - 230 V
Prime Power	3,5 kVA - 230 V	4,4 kVA - 230 V
Frequency	50 Hz	50 Hz
Engine cooling system	Air	Air
Number of cylinders	1	1
Engine speed	3000 rpm	3000 rpm
Tank capacity	18 liters	18 liters
Fuel type	Diesel	Petrol
Running time (75% load)	20 hours	16 hours
Noise level	93 Lwa	94 Lwa



MDS

DUST SUPPRESSORS

MDS40

DUST SUPPRESSORS

30-40
meters
of range

4.600
m² of
coverage

335°
work
angle



DUST SUPPRESSOR DATA

Electrical engine power	7,5 kW
Smallest generator required	20 kW three-phase
Coverage (without wind)	30-40 m
Electrical connecton	Inlet plug three-phase 32A
Water connecton	UNI 45 / STORZ / CAMLOCK
Minimum inlet pressure	1 bar
Water consumpton	52 l/min
Water inlet filter	180 micron
Work angle	335°
Tiltng	0 - 40°
Size with tow bar and wheels (L x W x H)	3300 x 1830 x 2180 mm
Weight	760 kg

STANDARD EQUIPMENT

Integrated control panel
Phase inverter
Booster pump with peripheral impeller
Flowmeter for pump protection
Pressure gauge for outlet pressure reading
Stainless steel crown with nozzles
Water drain system
Equipped with 2 wheels, tow bar and forklift pockets
2 height adjustable stabilizers

OPTIONAL

Electric tilting
Homologated road trailer
Automatic oscillation system
Remote control
Dosing pump for chemical additives



40-50
meters
of range

7.190
m² of
coverage

335°
work
angle

MDS50

DUST SUPPRESSORS

DUST SUPPRESSOR DATA

Electrical engine power	15 Kw
Smallest generator required	35 kW three-phase
Coverage (without wind)	40-50 m
Electrical connecton	Inlet plug three-phase 32A
Water connecton	UNI 45 / STORZ / CAMLOCK
Minimum inlet pressure	1 bar
Water consumpton	60 l/min
Water inlet filter	180 micron
Work angle	335°
Tiltng	0 - 40°
Size with tow bar and wheels (L x W x H)	3300 x 1830 x 2180 mm
Weight	810 kg

STANDARD EQUIPMENT

Integrated control panel
Phase inverter
Booster pump with peripheral impeller
Flowmeter for pump protection
Pressure gauge for outlet pressure reading
Stainless steel crown with nozzles
Water drain system
Equipped with 2 wheels, tow bar and forklift pockets
2 height adjustable stabilizers

OPTIONAL

Electric tilting
Homologated road trailer
Automatic oscillation system
Remote control
Dosing pump for chemical additives



MDS60

DUST SUPPRESSORS

50-60
meters
of range

10.355
m² of
coverage

335°
work
angle



DUST SUPPRESSOR DATA

Electrical engine power	22 kW
Smallest generator required	50 kW three-phase
Coverage (without wind)	50-60 m
Electrical connection	Inlet plug three-phase 63A
Water connection	UNI 45 / STORZ / CAMLOCK
Minimum inlet pressure	1 bar
Water consumption	70 l/min
Water inlet filter	180 µm
Working angle	335°
Tilting	0° - 40°
Size with tow bar and wheels (LxWxH)	330 x 1830 x 2180 mm
Weight	850 kg

STANDARD EQUIPMENT

Integrated control panel
Phase inverter
Booster pump with peripheral impeller
Flowmeter for pump protection
Pressure gauge for outlet pressure reading
Stainless steel crown with nozzles
Water drain system
Equipped with 2 wheels, tow bar and forklift pockets
2 height adjustable stabilizers

OPTIONAL

Electric tilting
Homologated road trailer
Automatic rotation system
Remote control
Dosing pump for chemical additives



70-80
meters
of range

20.000
m² of
coverage

340°
work
angle

MDS80

DUST SUPPRESSORS

DUST SUPPRESSOR DATA

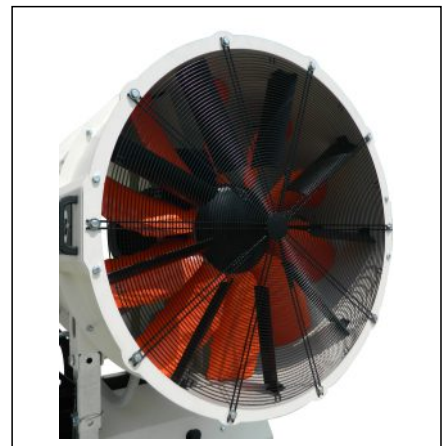
Electrical engine power	45 kW
Smallest generator required	100 kW three-phase
Coverage (without wind)	70-80 m
Electrical connecton	Inlet plug three-phase 125A
Water connecton	UNI 45 / STORZ / CAMLOCK
Minimum inlet pressure	1 bar
Water consumpton	125 l/min
Water inlet filter	180 micron
Work angle	340°
Tilting	0 - 35°
Size on base	2270 x 1450 x 2320 (LxWxH mm)
Weight	1410 kg

STANDARD EQUIPMENT

Integrated control panel
Phase inverter
Integrated multistage water pump
Flowmeter for pump protection
Pressure gauge for outlet pressure reading
Stainless steel crown with nozzles
Water drain system
Mounted on base with forklift pockets
Electric tilting
Automatic oscillation system
Remote control

OPTIONAL

Undercarriage with 2 wheels, tow bar and 2 height adjustable
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MDSmart

DUST SUPPRESSORS

13
meters
of range

90
m³/min
air flow

+10°/+50°
tilting
angle



DUST SUPPRESSOR DATA

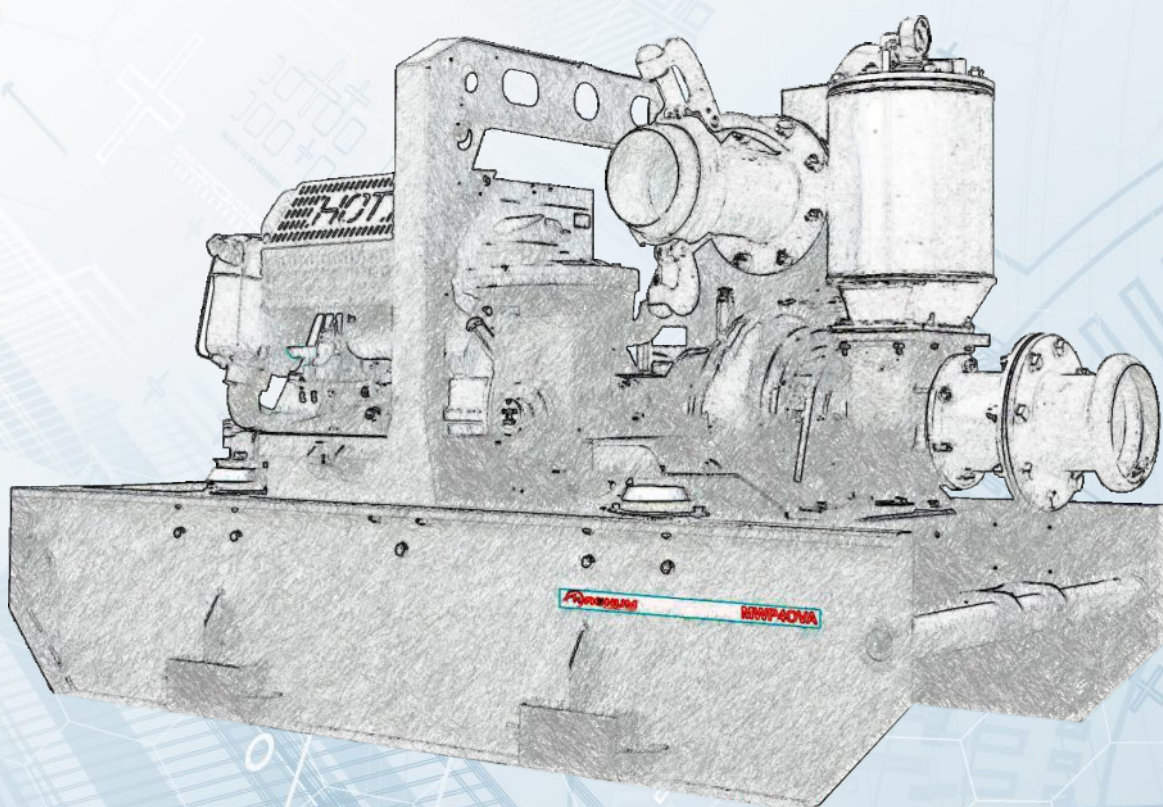
Electrical engine power	2,2 kW
Electrical connection	Single-phase - 16A - IP67
Water connection	Express type 1/2"
Fan	9 nylon blades
Air flow	90 m ³ /min
Coverage (without wind)	13 m
Nominal pressure	From 1 up to 5 bar
Water inlet filter	300 µm
Tilting angle	From +10° up to +50°
Dimensions (L x W x H)	985 x 785 x 835 mm
Weight	79 kg
Water consumption	1.0 bar - 5.4 l/min 1.5 bar - 6.6 l/min 2.0 bar - 7.5 l/min 2.5 bar - 8.5 l/min

STANDARD EQUIPMENT

Wheels and handles for transport
Stainless steel crown with nozzles
Water inlet filter
Emergency stop button
Tilting system

OPTIONAL

Forklift pockets
Plastic box for documents
10m electrical cable with Schuko plug
110V kit



MWP

WATER PUMPS

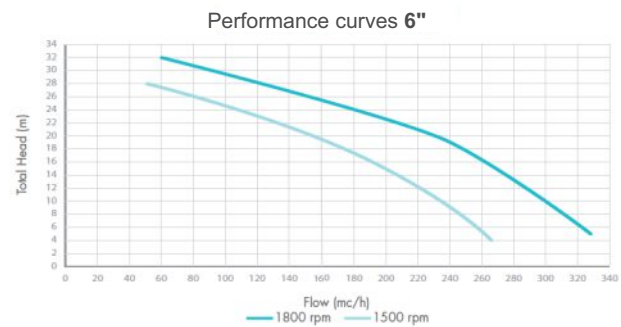
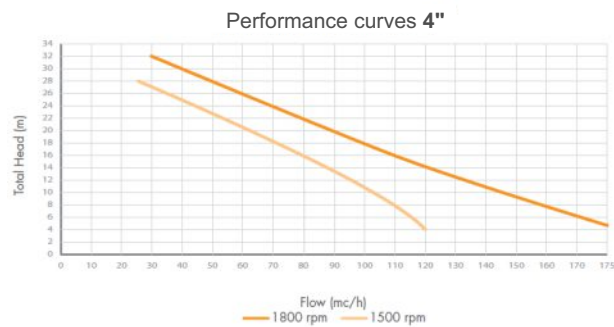
MWP-V

WATER PUMPS

**Dry
vacuum
technology**

**Silence
proof
canopy**

**Water
cooling**



Optionals

- ☐ Customer color (RAL)
- ☐ Site-tow trailer without brakes
- ☐ Engine pre-heating system
- ☐ Treatment for salt water

	Inlet-Outlet	Max capacity	Max head	Solid handling	Impeller diam.	Max flow
MWP4V	4"	2950 l/min	32 m	34 mm	245 mm	175 m³/h
MWP6V	6"	5500 l/min	32 m	75 mm	245 mm	330 m³/h
	Engine	Min/Max speed	Dim. WxLxH mm	Fuel tank	Run time	Dry weight
MWP4V	Perkins 403C-15G	1500/1800 rpm	1000x2150x1350	175 l	62,5 h	1036 kg
MWP6V	Perkins 404D-22G	1500/1800 rpm	1000x2150x1350	175 l	43,7 h	1125 kg



**Dry
vacuum
technology**

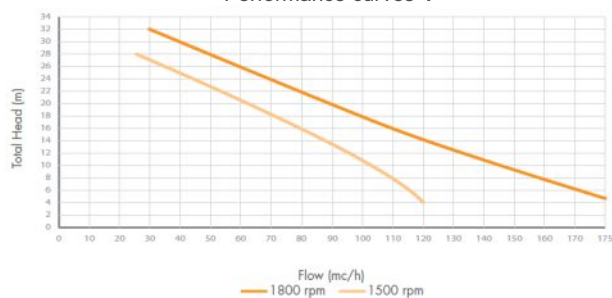
**Open set
version**

**Water-Air
cooling**

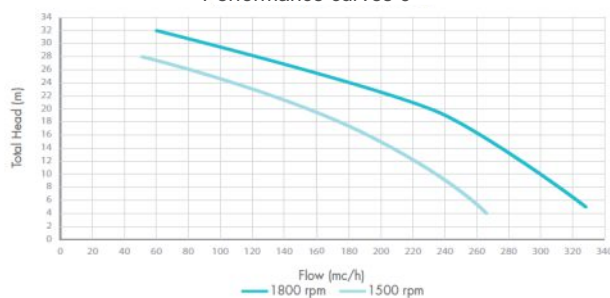
MWP-OV

WATER PUMPS

Performance curves 4"



Performance curves 6"



Optionals

- ☐ Customer color (RAL)
- ☐ Site-tow trailer without brakes
- ☐ Engine pre-heating system
- ☐ Treatment for salt water
- ☐ Top roof canopy

	Inlet-Outlet	Max capacity	Max head	Solid handling	Impeller diam.	Max flow
MWP4 OV-W/A	4"	2950 l/min	32 m	34 mm	245 mm	175 m³/h
MWP6 OV-W/A	6"	5500 l/min	32 m	75 mm	245 mm	330 m³/h
	Engine	Min/Max speed	Dim. WxLxH mm	Fuel tank	Run time	Dry weight
MWP4 OV-W/A	Deutz F2L-2011 (OVA) Perkins 403D-15G (OVW)	1500/1800 rpm	980 x 2010 x 1220	175 l	67,3 h (OVA) 62,5 h (OVW)	800 kg
MWP6 OV-W/A	Deutz F3L-2011 (OVA) Perkins 404D-22G (OVW)	1500/1800 rpm	980 x 2010 x 1220	175 l	46,0 h (OVA) 43,7 h (OVW)	890 kg

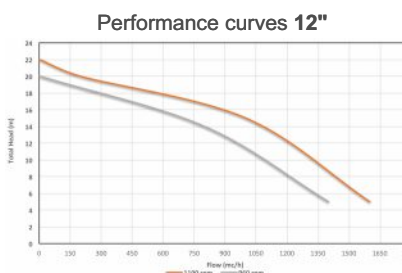
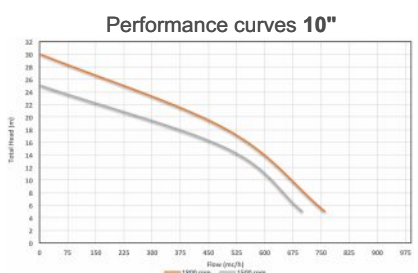
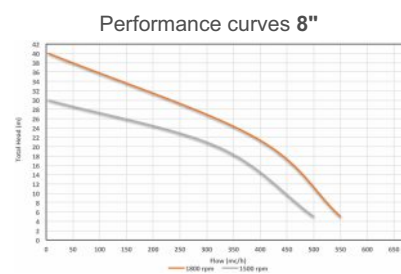
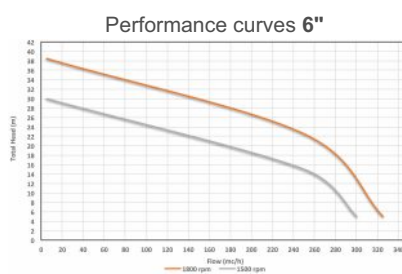
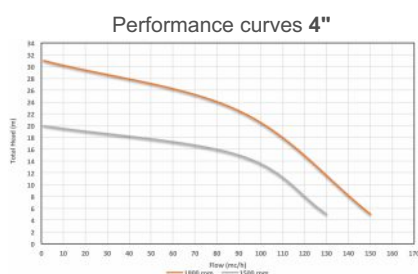
MWP-SC

WATER PUMPS

**Self
priming
technology**

**Silenced proof
canopy**

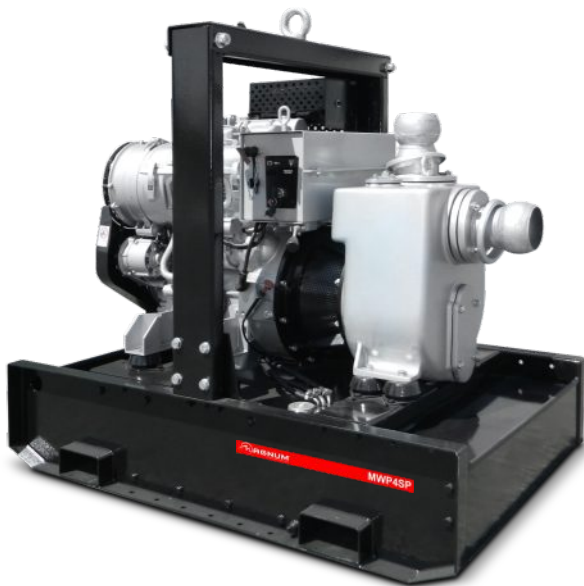
**Water-Air
cooling**



Optionals

- ☐ Customer color (RAL)
- ☐ Site-tow trailer without brakes
- ☐ Treatment for salt water

	Engine	Max. capacity	Max. flow	Min/Max RPM	Max. head	Solid handling	Impeller diam.	Tank liters	Running time (min.rpm@75%)	Dim. WxLxH (mm)	Dry weight
MWP4SC 4"	Deutz D2011-L02	2500 l/min	150 m³/h	800/1800	32 m	45 mm	239 mm	100	33 h	1100 x 860 x 1100	675 kg
MWP4SC 4"	Perkins 403-D15	2500 l/min	150 m³/h	800/1800	32 m	45 mm	239 mm	100	33 h	1100 x 860 x 1100	600 kg
MWP6SC 6"	Deutz D2011-L03	5500 l/min	325 m³/h	800/1800	38 m	76 mm	280 mm	140	25 h	1650 x 1060 x 1300	1010 kg
MWP6SC 6"	Perkins 404-D22	5500 l/min	325 m³/h	800/1800	38 m	76 mm	280 mm	140	30 h	1650 x 1060 x 1300	930 kg
MWP8SC 8"	FPT F32MNSX00	9000 l/min	550 m³/h	800/1800	40 m	50 mm	350 mm	300	19 h	2214 x 1215 x 1530	1580 kg
MWP10SC 10"	FPT N45MSTX20	13000 l/min	750 m³/h	800/1800	30 m	75 mm	390 mm	300	12 h	2690 x 1110 x 1480	2100 kg
MWP12SC 12"	Deutz BF6M-2012-c	25000 l/min	1500 m³/h	800/2200	36 m	90 mm	400 mm	300	8 h	3488 x 1360 x 1480	2800 kg



**Self
priming
technology**

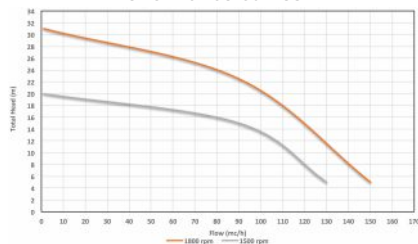
**Open set
version**

**Water-Air
cooling**

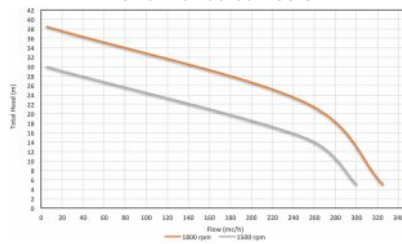
MWP-SP

WATER PUMPS

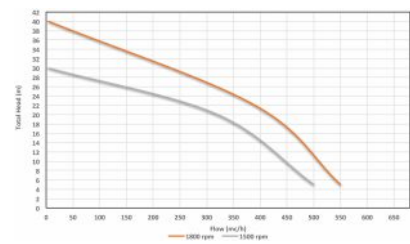
Performance curves 4"



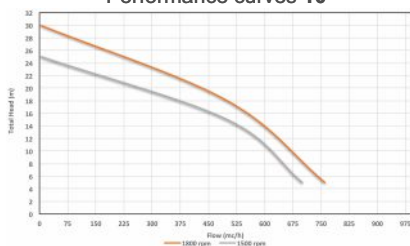
Performance curves 6"



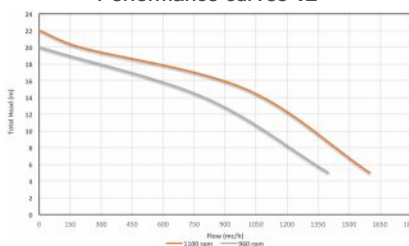
Performance curves 8"



Performance curves 10"



Performance curves 12"



Optionals

- ☐ Customer color (RAL)
- ☐ Site-tow trailer without brakes
- ☐ Treatment for salt water

		Engine	Max. capacity	Max. flow	Min/Max RPM	Max. head	Solid handling	Impeller diam.	Tank liters	Running time (min.rpm@75%)	Dim. WxLxH (mm)	Dry weight
MWP4SP	4"	Deutz D2011-L02	2500 l/min	150 m³/h	800/1800	32 m	45 mm	239 mm	100	33 h	1100 x 860 x 1100	555 kg
MWP4SP	4"	Perkins 403-D15	2500 l/min	150 m³/h	800/1800	32 m	45 mm	239 mm	100	33 h	1100 x 860 x 1100	480 kg
MWP6SP	6"	Deutz D2011-L03	5500 l/min	325 m³/h	800/1800	38 m	76 mm	280 mm	140	25 h	1650 x 1060 x 1300	830 kg
MWP6SP	6"	Perkins 404-D22	5500 l/min	325 m³/h	800/1800	38 m	76 mm	280 mm	140	30 h	1650 x 1060 x 1300	750 kg
MWP8SP	8"	FPT F32MNSX00	9000 l/min	550 m³/h	800/1800	40 m	50 mm	350 mm	300	19 h	2214 x 1215 x 1530	1320 kg
MWP10SP	10"	FPT N45MSTX20	13000 l/min	750 m³/h	800/1800	30 m	75 mm	390 mm	300	12 h	2690 x 1110 x 1480	1800 kg
MWP12SP	12"	Deutz BF6M-2012-c	25000 l/min	1500 m³/h	800/2200	36 m	90 mm	400 mm	300	8 h	3488 x 1360 x 1480	2500 kg

PUMPING TECHNOLOGIES

VACUUM ASSISTED PUMP

This type of pump is built for pumping water with solids holdup, containing sand, stones and mud. It is characterized by a system that consists in a centrifugal unit with semi-open impeller and a chamber where the air is separated from the liquid. In this way the pump provides continuous prime, which is essential to keep high performance in application such as a wellpoint. Continual performance can be attributed to the diaphragm vacuum pump's automatic priming even when loaded with significant air intake.

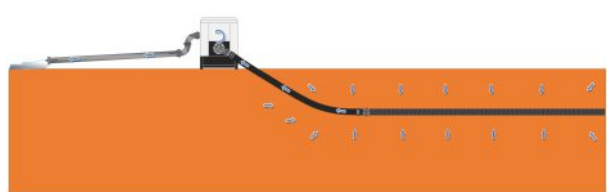
SELF-PRIMING PUMP

Like any centrifugal pump, self-priming pumps exploit the centrifugal force to create a turbulence that allows the water to be drawn while eliminating the air inside the pipes. Within this category, self-priming pumps are characterized by a technology that brings a great advantage: the preventive filling of suction pipe is not required to start the machine. Unlike vacuum assisted pumps, these are not continuously primed: thus, once prime is lost, the unit stops pumping until the sump becomes flooded again.

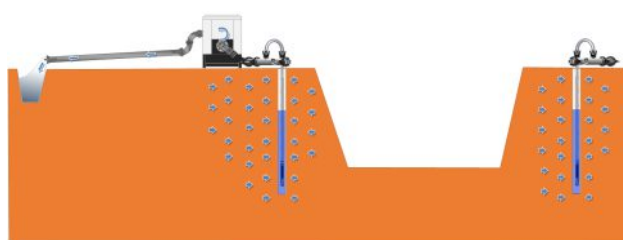
Passive drainage



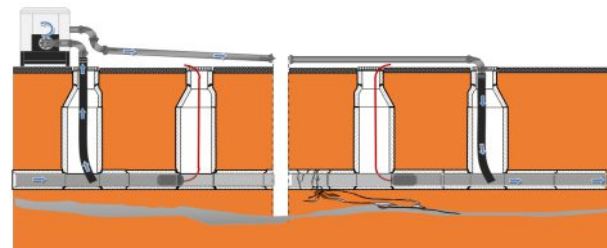
Active drainage



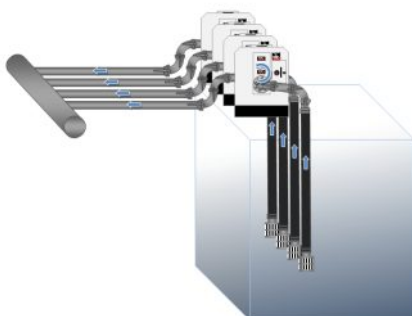
Active drainage by wellpoint system



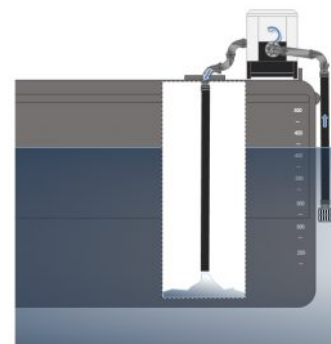
Hydraulic bypass



Hydraulic big-flow bypass

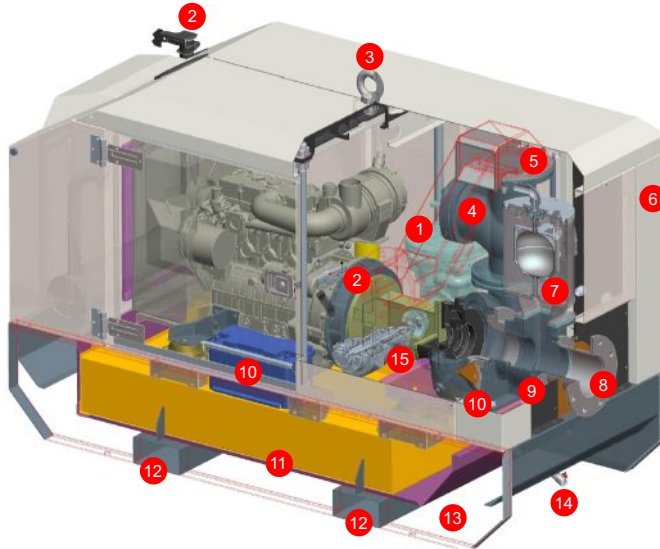


Ballast of marine platforms



PUMPS TECHNICAL COMPONENTS

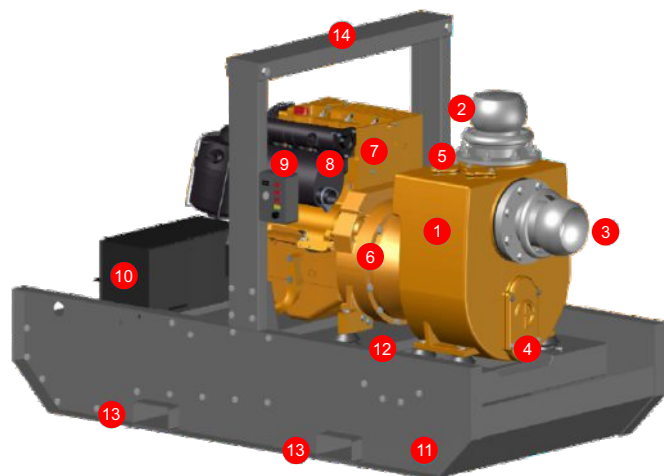
VACUUM ASSISTED PUMP



- 1 Dry vacuum pump
- 2 Exhaust
- 3 Central Lifting eye
- 4 Non return valve
- 5 Outlet manifold
- 6 Control panel side
- 7 Air/water separator
- 8 Water inlet coupling
- 9 Pump body and impeller
- 10 Battery
- 11 Fuel tank
- 12 Forklift pockets
- 13 Bunded tank
- 14 Drain system valve
- 15 Additional dry vacuum pump (on request)

SELF-PRIMING PUMP

- 1 Casing
- 2 Water Outlet
- 3 Water Inlet
- 4 Inspection plate
- 5 Inlet plates
- 6 Bell coupling
- 7 Engine
- 8 Exhaust
- 9 Frontal panel
- 10 Battery support plate
- 11 Skid base
- 12 Fuel tank
- 13 Forklift pockets
- 14 Lifting frame





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