

# Product Overview

## Department of Defence Laundry Solutions

Miele Professional. Immer Besser.

Edition 2 | February 2025



# Caring for Our Customers With the Most Reliable and Sustainable Solutions.



## **With Miele Professional, you are choosing reliable solutions that stand for quality and longevity.**

As a family company now run by its fourth generation, Miele remains true to its responsibility to its products and processes, its employees and business partners and towards conserving our natural resources. This is reflected in the materials we choose as well as in the design and production of our machines. All of our customers benefit from innovations 'Made in Germany' which set standards throughout the industry as well as from award winning product design for ergonomics and functionality, all benefiting from low consumption and running costs.

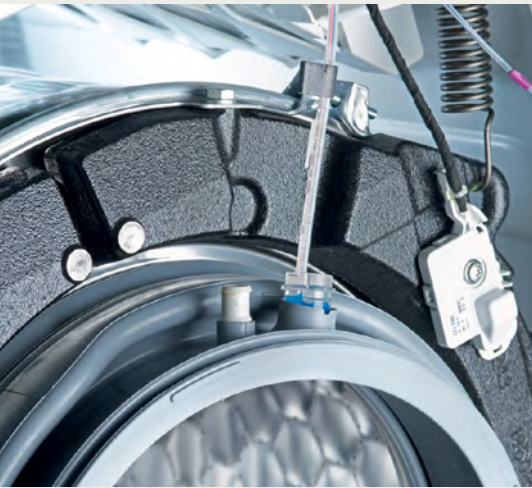
You have the reassurance that Miele Professional develops the best and most inspiring solutions for our customers. Our guiding principle of 'Immer Besser' has been at our core for the last 125 years, and continues to be at the heart of what we do, ensuring reliability and quality for all of our solutions.

*Markus Miele Reinhard Zinkann*

Dr. Markus Miele  
Executive Director and Co-Proprietor  
Miele Cie. KG

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# Delivering high performance from the start



**Cast Iron Counterweights**  
Exceptional quality for long service life

**Powerful Heater Elements**  
For fast cycle times



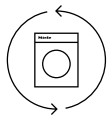
**Rugged Construction**  
Minimal use of plastics for reduced breakdowns and repairs

Miele Professional commercial laundry machines have long proven themselves in battle. For more than 25 years, Miele has been supplying the Australian Defence Force with our commercial grade washing machines and tumble dryers. Within the various defence sectors such as naval vessels and land bases, Miele machines provide superior reliability and durability due to our better build quality. Made in Germany from the highest quality materials and workmanship, Miele is renowned worldwide as the leader in commercial laundry equipment. Designed and tested for 30,000 cycles, our Professional machines last up to 6 times longer than domestic products.

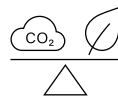
Miele subsidiaries around the world supply their national defence forces with our machines. NATO Serial Numbers (NSN) of Miele equipment such as our “shipboard” washers and dryers used by the Navy allow for easy identification between countries and defence organizations. Offering the latest innovations in laundry technology, our equipment offers easy to use controls, Hygiene (to combat viruses such as COVID-19) and optimal cleaning performance. Our latest range of machines also offer the lowest water and energy consumption values available in the market today.

## Our Pledges for the Planet

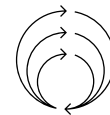
The race to save our only planet is ever-accelerating. Our commitment to evolve our ambitions is too. With these pledges, we intend to continue along the path we have already embarked on:



**Make sustainability happen at every step**  
We continuously work towards making sustainability essential at every stage of our products’ and services’ life cycle – as well as in all of our value chains, and in the homes and businesses of our customers.



**Make machines that won’t leave a mark**  
Miele is dedicated to producing the best possible products and services with the least impact on the environment, with the ultimate aim to make them 100% carbon-neutral.



**End waste by giving our machines new life**  
We are working towards creating a circular value chain with net-zero waste for all materials used in our machines to re-enter the loop at the end of their lifecycle.

# Our **Service** for Department of Defence

Our dedicated in-house technicians and service partner network offer quality service and rapid response times. Our goal is to deal with downtime as fast as possible. To prevent faults occurring in the first place, preventative maintenance is indispensable. Opt for our PROtect service solutions and profit from our protection of your machines and your business.

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## Routine service options

PROtect offers comprehensive services which allows you to plan ahead, reduce downtime and ensure that your machines remain productive. Our specially trained technicians perform and document service work according to Miele standards and in full compliance with legal requirements. This guarantees optimal performance for your machines and preserves their value in the long term..

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## Genuine spare parts and useful accessories

Independent of the machine type, our service team provides advice on suitable spare parts and relevant accessories. Miele offers the guaranteed availability of spare parts for up to 15 years after series production of the machines they are used on ceases (with the exception of digital products and process documentation).

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## Our Service Pledges

- Benefit directly from our manufacturing expertise
- Over 1,200 Miele Professional technicians worldwide
- Experts in the operation of machines and application technology
- 90% first-time fix rate
- 15 year availability of spare parts
- On-site servicing scheduled to suit your working hours
- Fast response time

## Our Pledges for the Planet



Growing fleet of electric vehicles:

Our goal is to reduce our CO<sub>2</sub> emissions by at least 30% by 2030 – largely through the conversion of our vehicle fleet to alternative drive systems such as electric and hydrogen.



Make sustainability happen at every step



Make machines that won't leave a mark



End waste by giving our machines new life

Learn more about Miele service



[www.miele.com.au/p](http://www.miele.com.au/p)



# Our Case Study

## Containerised Laundry Project



In recent years, Miele provided NATO forces with containerised laundries to enable soldiers to wash their laundry and military equipment at any location around the world. In conjunction with the British Ministry of Defence, Miele supplied over 50 containers equipped with our commercial laundry machines.

Each container housed two commercial washer-extractors and two commercial tumble dryers with the capacity to wash more than 50 kg of laundry per hour. Extensive tests in special climate chambers with temperatures between  $-19^{\circ}\text{C}$  and  $+49^{\circ}\text{C}$  were necessary to enable Miele technology to be customised to military requirements. The containers were designed to be ready for use in next to no time and, thanks to a water recycling system, are largely independent of on-site utilities.



## Product Range

A diverse range of models and installation options

Semi commercial and commercial washers and dryers with 7-8kg capacity.

Available as stand alone, stackable or mountable on plinths. Standard voltages and Shipboard versions.

Commercial washers and dryers from 10kg to 32kg capacity. Standard Voltage and Shipboard versions.

# Solutions for all types of laundries

## Common Laundries – Barracks

With a capacity of 7 and 8kg, these machines are geared to meet DOD requirements with programmes specifically for heavily soiled clothing and hygiene specific cycles to eliminate possible cross-contamination between laundry users. Finally a choice of vented or Heat Pump dryer options are available for fast and efficient drying.

SmartBiz 2.0	8
Performance 507	9
Performance Plus 908	10

## Common Laundries – Ships

When out at sea for long durations, the Navy require machines that are both durable and dependable. Miele Professional Shipboard commercial laundry machines offer a range of suitable power variations and installation options. Dryers can be stacked on top of washers to allow for multiple machines to be installed within small confined areas.

Performance Plus Marine 908	11
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## Large Centralized Laundries

A complete range of larger models from 11kg to 32kg capacity with both 50 - 60 hZ and voltages to suit either standard or marine central laundry installations.

Large Laundry	12-17
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## Common Laundries - Barracks

Economical washing machines and dryers from the new SmartBiz entry-level model range were specifically developed for commercial use and excel in terms of their short cycles, extreme durability and exemplary results. Designed and tested to last 10,000 cycles which is twice as long as domestic machines.

Stackable Option

Side by Side Option



12 Cycle programme including Disinfection cycle



PWM1108DP	
Washing Machine	
Capacity	8g
Material Code	12507000
Power	230V, 50Hz 1 x 10 A
Colour	White Enamel
Dimensions in mm	850H/596W/636D
Stackable with	APCLO31 or APCLO28
Optional Plinth	APCLO41
Recycling Rate	95%

### Features

- 8kg commercial capacity
- Household and disinfection programmes
- Short cycle times
- Honeycomb drum for gently fabric care
- High Speed Extraction – 1400 rpm
- Low water usage – 52 litres \*
- Low energy consumption – 0.16 kW/kg \*
- Easy to use controls

PDR1108 HP	
Tumble Dryer Heat Pump	
Capacity	8kg
Product Code	12507330
Power	230V, 50Hz 1 x 10 A
Colour	White Enamel
Dimensions in mm	850H/596W/636D
Stackable with	APCLO31 or APCLO28
Optional Plinth	APCLO41
Recycling Rate	95%

### Features

- 8kg commercial capacity
- A full range of drying programmes
- Short cycle times – 134 minutes \*\*
- Honeycomb drum for gentle fabric care
- Heat Pump saves up to 60% of energy when compared to conventional dryers. No Venting required
- Low energy consumption – 0.16 kW/kg \*\*
- Easy to use controls

\* Cottons 60 Deg ees cycle. Cold Water connection  
 \*\* Normal Dry 0% cycle. Start rate at 40% residual moisture



# Common Laundries - Barracks

In terms of economics and efficiency, the Performance Series once again sets new standards. Thanks to their exemplary short washing and drying cycles, laundry is ready for use again in only 95 minutes, whilst the precise use of water, energy and detergent is evidence of the sustainable use of resources. Designed and tested to last 30,000 cycles which is six times longer than domestic models.



## PERFORMANCE

PWM507 DP	
Washing Machine	
Capacity	7kg
Material Code	11289930
Drain Type	DP = Drain Pump
Power	230V, 50Hz 1 x 15 A
Colour	White Enamel
Dimensions in mm	850H/596W/714D
Stackable with	APCL001
Optional Plinth	APCL003
Recycling Rate	95%

### Features

- 7kg commercial capacity equivalent to 8kg domestic models
- Household, Disinfection and Special programmes
- Short cycle times
- Honeycomb drum for gentle fabric care
- High Speed Extraction – 1600 rpm
- Low water usage – 49 litres\*
- Low energy consumption – 0.06 kW/kg \*
- Easy to use controls

PDR507	
Tumble Dryer Heat Pump	
Capacity	7kg
Material Code	11394750
Drain hose	20mm dia.
Power	230V, 50Hz 1 x 10 A
Colour	White Enamel
Dimensions in mm	850H/596W/777D
Stackable with	APCL001
Optional Plinth	APCL003
Recycling Rate	95%

### Features

- 7kg commercial capacity equivalent to 8kg domestic models
- Household and Disinfection programmes
- Short cycle times
- Honeycomb drum for gentle fabric care
- Heat Pump saves 60% energy when compared to conventional dryers
- No Venting required
- Low energy consumption – 0.2 kW/kg \*\*
- Easy to use controls

PDR507 EL	
Tumble Dryer Vented	
Capacity	7kg
Material Code	11394920
Vent	100mm dia.
Power	230V, 50Hz 1 x 25 A
Colour	White Enamel
Dimensions in mm	850H/596W/717
Stackable with	D-APCL001
Optional Plinth	APCL003
Recycling Rate	95%

### Features

- 7kg commercial capacity equivalent to 8kg domestic models
- Household and Disinfection programmes
- Short cycle times of 48 minutes\*\*
- Honeycomb drum for gentle fabric care
- Vented Dryer for very fast drying times
- Venting required
- Low energy consumption – 0.5 kW/kg \*\*
- Easy to use controls

\* Cottons 60 Deg ees cycle. Hot and Cold Water connection  
 \*\* Normal Dry 0%. Start rate at 48% residual moisture

# Common Laundries - Barracks

With all the benefits of the Performance Series, the Performance Plus series offers additional features to meet every need. Larger capacity and touch screen controls which can be customized to suit specific DOD requirements. Optional Laundrette model makes using the machine even simpler with only 4 programmes to choose from. Designed and tested to last 30,000 cycles which is six times longer than domestic models



## PERFORMANCE PLUS

PWM908 DP 15A	
Washing Machine	
Capacity	8kg
Material Code	11289940
Drain Type	DP = Drain Pump
Power	230V, 50Hz 1 x 15 A
Colour	Stainless Steel
Dimensions in mm	850H/596W/714D
Stackable with	APCL001 Stacking Kit
Optional Plinth	APCL003 Open Plinth
Recycling Rate	95%

### Features

- 8kg commercial capacity equivalent to 9kg domestic models
- Household and full range of special programmes
- Short cycle times
- Honeycomb drum for gentle fabric care
- High Speed Extraction – 1600 rpm
- Low water usage – 59 litres \*
- Low energy consumption – 0.06 kW/kg \*
- Easy to use controls + Laundrette Model

PDR908 HP	
Tumble Dryer Heat Pump	
Capacity	8kg
Material Code	11198830
Drain hose	20mm dia.
Power	230V, 50Hz 1 x 10 A
Colour	Stainless Steel
Dimensions in mm	850H/596W/777D
Stackable with	APCL001 Stacking Kit
Optional Plinth	APCL003
Recycling Rate	95%

### Features

- 8kg commercial capacity equivalent to 8kg domestic models
- A full range of drying programmes
- Short cycle times of 79 minutes \*\*
- Honeycomb drum for gentle fabric care
- Heat Pump saves up to 60% energy when compared to conventional dryers
- No Venting required
- Very Low energy consumption – 0.2 kW/kg \*\*
- Easy to use controls + Laundrette Mode

PDR908 EL	
Tumble Dryer Vented	
Capacity	8kg
Material Code	11198960
Vent	100mm dia.
Power	230V, 50Hz 1 x 25 A
Colour	Stainless Steel
Dimensions in mm	850H/596W/717D
Stackable with	APCL001 Stacking Kit
Optional Plinth	APCL003 Open Plinth
Recycling Rate	95%

### Features

- 8kg commercial capacity equivalent to 8kg domestic models
- A full range of drying programmes
- Short cycle times of 52 Minutes \*\*\*
- Honeycomb drum for gentle fabric care
- Vented Drying for fast drying times
- Venting required
- Low energy consumption – 0.5 kW/kg \*\*
- Easy to use controls + Laundrette Mode

## Common Laundries – Ships

The Marine range of washers and commercial dryers offers a range of power versions to suit shipboard application. Miele Marine laundry machines have been supplied to the Australian Navy for more than 20 years and are currently used in numerous fleet vessels. Offering 8kg capacity and built to last 30,000 cycles, these machines provide the Navy with unparalleled reliability and life expectancy.



## PERFORMANCE PLUS

PWM908 MAR	PWM908 MAR	PDR908 EL MAR	PDR908 HP Dryer MAR
<b>Washing Machine</b>	<b>Washing Machine</b>	<b>Tumble Dryer Vented</b>	<b>Tumble Dryer Heat Pump</b>
Capacity 8kg	Capacity 8kg	Capacity 8kg	Capacity 8kg
Product code 11251280	Product code 11251340	Product code 11250960	Product code 11250990
Drain Type DP = Drain Pump	Drain Type DP = Drain Pump	Power 3AC, 400-480V 50-60Hz	Power 1N AC, 230V 60Hz
Power 3AC 400-480V 50-60HZ	Power 3AC, 230V 50-60Hz	Colour White Enamel	Colour White Enamel
Colour White Enamel	Colour White Enamel	Dimensions in mm 850H/596W/717D	Dimensions in mm 850H/596W/777D
Stackable with APCL001	Stackable with APCL001	Stackable with APCL001	Stackable with APCL001
Optional Plinth APCL003	Optional Plinth APCL003	Optional Plinth APCL003	Optional Plinth APCL003
Recycling Rate 95%	Recycling Rate 95%	Recycling Rate 95%	Recycling Rate 95%

Features	Features	Features	Features
<ul style="list-style-type: none"> <li>• 8kg commercial capacity equivalent to 9kg domestic</li> <li>• Household and full range of special programmes</li> <li>• Short cycle times</li> <li>• Honeycomb drum for gentle fabric care</li> <li>• High Speed Extraction – 1600 rpm</li> <li>• Low water usage – 59 litres *</li> <li>• Low energy consumption – 0.06 kW/kg</li> </ul>	<ul style="list-style-type: none"> <li>• 8kg commercial capacity equivalent to 9kg domestic</li> <li>• Household and full range of special programmes</li> <li>• Short cycle times</li> <li>• Honeycomb drum for gentle fabric care</li> <li>• High Speed Extraction – 1600 rpm</li> <li>• Low water usage – 59 litres *</li> <li>• Low energy consumption – 0.06 kW/kg</li> </ul>	<ul style="list-style-type: none"> <li>• 8kg commercial capacity</li> <li>• A full range of drying programmes</li> <li>• Short cycle times: 52 minutes **</li> <li>• Honeycomb drum for gentle fabric care</li> <li>• Vented Dryer for very fast drying times</li> <li>• Venting required</li> <li>• Low energy consumption – 0.5 kW/kg</li> </ul>	<ul style="list-style-type: none"> <li>• 8kg commercial capacity</li> <li>• A full range of drying programmes</li> <li>• Short cycle times: 88 minutes</li> <li>• Honeycomb drum for gentle fabric care</li> <li>• Heat Pump saves 60% energy when compared to conventional dryers</li> <li>• No Venting required</li> <li>• Very Low energy consumption – 0.2 kW/kg</li> </ul>

# Large Centralized Laundries

## Land and Sea

For larger laundry loads, the Benchmark range is ideal, offering 11kg to 32kg capacity. These robust machines offer 30,000 cycles and provide durability and outstanding long lasting performance.

These models offer a complete range of standard household and additional cleaning and drying programmes for bulky items such as Bedding, Sleeping Bags, Uniforms, Grease and Oil, and many more.



# THE BENCHMARK MACHINES

The new Benchmark washing machines combine top-class results with unique efficiency and modern-day connectivity. With tailored solutions and cycles which are perfectly geared to your applications, you can be sure of having made the perfect choice with Performance and Performance Plus machines. Benchmark Machines from Miele Professional:

- Unique operation: intuitive and safe
- Simple connectivity for an efficient system
- High performance combined with sustainable efficiency
- Tailored solutions for every type of business



# The Benchmark Washing Machines

Load capacity 11–20 kg

The Benchmark washing machines from the Performance line meet all the typical challenges of modern laundry care. All programmes adapt flexibly to needs and all machines feature disinfection programmes as standard.

Washing machine	PWM 514	PWM 520
User interface	M Touch Pro	M Touch Pro
Load capacity 1:9 [kg]	14	20
Drum volume [l]	130	180
Max. spin speed [rpm]	1,025	950
g-factor/residual moisture [%]	360/49	360/49
Cycle time [mins.] *	49	49

Front: Iron grey, \* Cycle time, Cottons 60°C, hot water connection

## PERFORMANCE



The Benchmark washing machines from the Performance Plus line master even the most demanding of challenges. Programmes for thermal and chemo-thermal disinfection are included ex works. The entire set of programmes can be fully adapted to suit individual requirements, including the option of creating new, customised cycles.

Washing machine	PWM 912	PWM 916	PWM 920
User interface	M Touch Pro Plus	M Touch Pro Plus	M Touch Pro Plus
Load capacity 1:9 [kg]	12	16	20
Drum volume [l]	110	140	180
Max. spin speed [rpm]	1,150	1,075	1,075
g-factor/residual moisture [%]	460/44	460/44	460/44
Cycle time [mins.] *	42	43	44

Front: Stainless steel, \* Cycle time, Cottons 60°C, hot water connection

## PERFORMANCE PLUS



# The Benchmark Machines Dryers

Load capacity 14–44 kg

The Benchmark dryers from the Performance line meet all the standard requirements of modern laundry care with smart sensor controls (ROP) available. These modes are available in electric or gas heating options.

Dryers	PDR 514 EL/G	PDR 522 EL/G	PDR 528 EL/G	PDR 544 EL/G
Controls	M Select ROP	M Select ROP	M Select ROP	M Select ROP
Load capacity 1:25/1:18 [kg]	10/14	16/22	20/28	32/44
Drum volume [l]	250	400	500	800
Cycle time [mins.] *	24	24	25	29

Front colour/material: iron grey/stainless steel (depending on model); \*in 'Normal dry' programme 0%, Load capacity 1:18, vented drying electric system  
EL= electric heating system  
G = gas heating system

## PERFORMANCE





The new Benchmark dryers from the Performance Plus line rise to any challenge in the drying of textiles. All programmes adapt flexibly to individual requirements whilst at the same time facilitating AirRecycling Flex air recirculation and offering a broad range of heating types for maximum efficiency.

Dryers	PDR 914 HP	PDR 922 HP	PDR 928 G	PDR 944 G/SI
Controls	M Touch Pro	M Touch Pro	M Touch Pro	M Touch Pro
Load capacity 1:25/1:18 [kg]	10/14	16/22	20/28	32/44
Drum volume [l]	250	400	500	800
Cycle time [mins.] *	33	42	23	30

Front colour/material: iron grey/stainless steel (depending on model); \*in 'Normal dry' programme 0%, Load capacity 1:18, vented electric or gas drying system.

HP = Heat Pump heating

G = Gas heating

SI = Steam heating

## PERFORMANCE PLUS





## A Class of Its Own – For Maximum Performance and Safety.

The safety of a ship, its crew, the environment and all processes on board has top priority. In order to provide a worldwide service for maritime applications, Miele maintains 47 branch offices and additional representations in 150 countries and more than 3,000 ports.

Miele has developed a range of special-purpose Marine versions with a particular focus on the specific needs of vessels, e.g. with respect to installation and operation. In view of special safety requirements, Miele's products and services are additionally certified, e.g. with Lloyd's Register or VDE.\*

At every point throughout the life cycle of a vessel, Lloyd's Register (LR) works in close collaboration with customers in order to achieve the ultimate in safety, efficiency and compliance.

Consequently, all models from Miele Marine are tested by the independent Phönix Testlab as required to obtain official certification by Lloyd's Register – and the associated recommendation for use in marine applications.

Lloyd's Register is a service of international repute providing independent quality monitoring and risk prevention in shipbuilding and other areas for more than 250 years.

The intended use of Marine versions refers to ocean-going vessels (international waters).

**If products are used on inland waterways, these are permanently located within the jurisdiction of a state and must subscribe to the legislation of those states.**

\*varies according to model series

# Miele

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