

P215 Pumps



P215 Pump

The P215 centralized lubrication pump is a high-pressure multi-line pump that can drive up to 15 adjustable pump elements and is used in progressive automated lubrication systems. It is capable of handling direct supply of lubrication points or as a central lubrication pump in large-sized progressive systems.

P215 pumps are available with a three-phase multi-range motor for 380–420 volts at 50 Hz or 440–480 volts at 60 Hz, with a single-range 500 volt, 50 Hz motor, with a free shaft end for use with other motors, or with an oscillating drive. Various gear ratios and reservoir sizes, with or without level control, are available. The reservoir, available in 4, 8, 10 or 30 liter sizes, is suitable for both, grease and oil.

Technical Data

		Unit	
Reservoir			
Transparent plastic	[l]	4 and 8	
Metal	[l]	10 and 30	
Outlets		Qty	1–15
Threaded connection			G 1/4" female
Lubricants			
Grease			up to NLGI 2, NLGI 3 on request
Oil			at a viscosity of at least 20 mm ² /s
Piston diameter		[mm]	6
Adjusting range from 25% to maximum 100%		[cm ³]	0,04–0,16
Maximum output per hour (Output increases by 20% in case of 60 Hz motors)	Ratio		7
	490:1	[cm ³]	27 cm ³
	100:1	[cm ³]	132 cm ³
	49:1	[cm ³]	268 cm ³
	7:1	[cm ³]	386 cm ³
			(for F and P only)
Pressure			
Maximum operating pressure		[bar]	350
Type of protection			IP55
Temperature			
Operating temperature		[°C]	–20 up to +70
Level indicator (option)			Ultrasonic sensor for high- and low-level control

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Product selection table

Standard models

Part No.	Description	Motor	Gear ratio	Reservoir capacity [l]	Level Control	Number of Elements	
						Qty	mm
660-40707-1	P215-M100-30XYBU-13K7-380-420/440-480	•	100:1	30	•	13	7
660-40724-4	P215-M490-10XYBU-2K7-380-420/440-480	•	490:1	10	•	2	7
660-40729-4	P215-M100-10XYBU-1K6-380-420/440-480	•	100:1	10	•	1	6
660-40751-1	P215-M100-10XYBU-6K7-380-420/440-480	•	100:1	10	•	6	7
660-40569-7	P215-F049-30XYN-13K7-000	free shaft end no motor	49:1	30		13	7
660-40751-6	P215-M100-10XYBU-2K6-380-420/440-480	•	100:1	10	•	2	6

These pumps do not include any pressure relief valve. The pressure relief valve must be ordered separately.

P215 Pump accessories

Part No.	Description	Tube diameter	Pressure [mm]
624-25478-1	Pressure relief valve	Tube stud 6 mm via T-piece	200
624-25479-1	Pressure relief valve	Tube stud 6 mm via T-piece	350
624-25480-1	Pressure relief valve	Tube stud 8 mm via T-piece	200
624-25481-1	Pressure relief valve	Tube stud 8 mm via T-piece	350
624-25482-1	Pressure relief valve	Tube stud 10 mm via T-piece	200
624-25483-1	Pressure relief valve	Tube stud 10 mm via T-piece	350
304-17571-1	Filler fitting G 1/4" female*		
304-17574-1	Filler fitting G 1/4" female*		
600-25047-3	Pump element K7		
600-25046-3	Pump element K6		

* filling connector fits for vacan outlets bores

Dimensions

Reservoir capacity* [l]	Material	Width*	Height	Depth
4	Transparent plastic	411/453	438	326
8	Transparent plastic	411/453	539	326
10	Metal	411/453	520	326
30	Metal	411/453	760	326
Low-level sensor		125	30	65

All lengths dimensions in mm, weight in g
* In case of versions with low-level control

P215 Type Identification Code

The complete pump aggregate is defined by a type designation (see type identification plate).

Examples of type designations:

Designation	P 215	M	049	10XYBU	5K6	380-420
Basic type P215	Housing assy for all pump variants					
Drive M	AC flange motor					
F	Free shaft end					
P	Oscillating drive					
Gear ratio 490	Gear ratio $i = 1 : 490$					
100	Gear ratio $i = 1 : 100$					
049	Gear ratio $i = 1 : 49$ (for oil only)					
007	Gear ratio $i = 1 : 7$ (for P and F drive assemblies only)					
Reservoir 4	Plastic reservoir, 4 l					
8	Plastic reservoir, 8 l					
10	Steel plate reservoir, 10 l					
30	Steel plate reservoir, 30 l					
XY	Reservoir for grease and oil					
N	Reservoir without level control					
BU	Reservoir with level control (ultrasonic sensor) ¹⁾					
Pump elements 1-15	Number of pump elements					
K6 or K7	Piston diameter (mm)					
Supplements to motor designation 380-420	Standard multi-range motor for nominal voltages 380-420 V/50 Hz					
440-480	Multi-range motor for nominal voltages 440-480 V/60 Hz					
500	Single-range motor for nominal voltage 500 V/50 Hz					
000	Pump without motor, but with coupling flange					

¹⁾ The sensor for the level control generally possesses 2 switch points: low- and high-level. If a low-level control is desired only, connect the corresponding contacts only. The sensor requires a voltage of 24 V DC.

P230 Pumps

The P230 pump is a variant of the P215 multi-line pump. The P230 pump can drive up to 30 adjustable pump elements. As a result of the increased number of possible pump elements, an 0.25 kW motor is used. All other technical specifications, including accessories, are equivalent to the P215 pump.

Dimensions: height 831 mm x width 463mm x depth 328 mm