

PUMPMASTER 45 - 25:1 RATIO GREASE PUMP

531 210

HEAVY-DUTY PRESSURE TRANSFER PUMP

Moderate pressure, high delivery double acting pumps for transfer of grease up to NLGI-2. Also recommended for use with low viscosity grease in centralized grease systems that do not require a very high pressure output and in large distribution systems of high viscosity oils.

Pumps are available with tube length to fit commercial 185 kg - 400 lb drums and they are available for cover mount to 185 kg - 400 lb open drums using a drum cover 418 017.



- Grease up to NLGI-2 High viscosity oil.

MARKETS SERVED

- Lube trucks.
- Mining and construction.
- In-plant.

	BAMOA AMORA BAMOA
TA.	

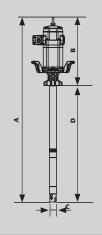
MODELS							
PART No.	APPLICATION	PUMP TUBE HEIGHT	TOTAL HEIGHT	WEIGHT			
531 210	185 kg (400 lb) drum	855 mm	1.357 mm	24 kg			
TECHNICAL DATA							
Pump pressure ratio 25:1							

TECHNICAL DATA					
Pump pressure ratio	25:1				
Continuous duty flow rate	6 kg/min (13.2 lb/min)				
Maximum free flow	16 kg/min (35.3 lb/min)				
Air pressure operating range	1,5 - 14 bar (20 - 200 psi)				
Maximum outlet pressure	350 bar (5,000 psi)				
Air motor effective diameter	115 mm (4.5")				
Air motor stroke	100 mm (4")				
Air consumption (1)	1.340 NI/min (47 scfm)				
Air inlet	1/2" BSP (F)				
Fluid outlet	1/2" BSP (F)				
Wetted and seals materials	Cast Iron / Steel / Hard chromed steel / UHMWPE / NBR				
Noise level (2)	80 dB				

- (1) Air consumption at 5 bar air pressure, NLGI-0 grease at 20 °C and 80 cpm. (2) Noise level measured at 1 m from the pump, 7 bar air pressure and free delivery.

DIMENSIONS (MM)			
MODEL	531 210		
A (mm)	1.357		
B (mm)	502		
C (mm)	50		
D (mm)	855		





NLGI-0, 21 °C	(70 °F) CAP	ACITY			
Fluid pressure		Cycles/mi	n	AIR	CONSUMPTION
0 2	27 54	81 108 1	35 162	189 216	
200 2900	1 1	1 1			2500 88
180 2610 160 2320	bar. 100 _{psi}			r - (100 psi) (72 psi)	2000 -71
140 † 2030 120 † 1740 100 † 1450	Par (72 P25)		3 bar (43 psi)		1500 - 52
80 1160 3ba	$V_{\alpha}(43 \hat{p}_{Si})$				1000 - 35
60 † 870 40 † 580 20 † 290					500 -17
00					00
bar psi kg /m					II/min scfm
	2 4		10 12	14 16 30,9 35,9	
0 lb/mi	1,4 8,8 °	13,2 17,6 2	22 26,5	30,9 35,9	Outlet pressure Air consumption