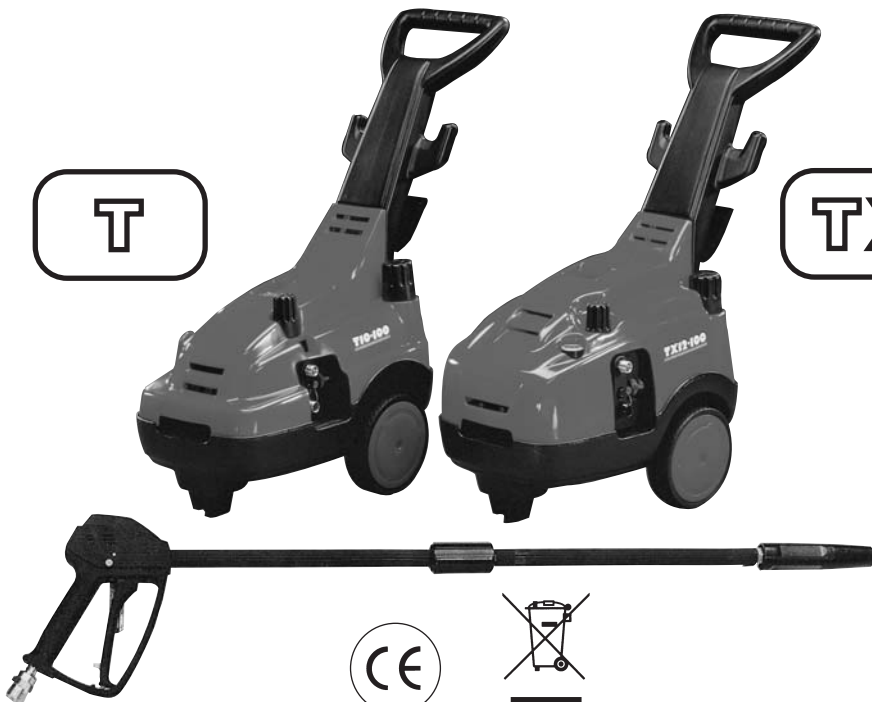


**HIGH PRESSURE CLEANER**  
**NETTOYEUR HAUTE PRESSION**  
**HOCHDRUCKREINIGER**  
**HIDROLIMPIADORA ALTA PRESIÓN**  
**LAVADORA A ALTA PRESSÃO**  
**ГИДРОМОЙКА ВЫСОКОГО ДАВЛЕНИЯ**  
**IDROPULTRICE AD ALTA PRESSIONE**

T

TX



- OPERATING INSTRUCTIONS
- MODE D'EMPLOI
- BEDIENUNGSANLEITUNG
- INSTRUCCIONES PARA EL USO
- MANUAL DE INSTRUÇÕES
- ИНСТРУКЦИЯ ПО ЭКСПЛУАТАЦИИ
- LIBRETTO ISTRUZIONI



- DO NOT USE THE MACHINE WITHOUT FIRST READING THE OPERATING INSTRUCTIONS
- N'UTILISER L'APPAREIL QU'APRÈS AVOIR LU LE MANUEL D'INSTRUCTIONS
- GERAT ERST NACH LESEN DER BEDIENUNGSANLEITUNG VERWENDEN
- NO UTILISE EL APARATO SIN LEER ANTES LAS INSTRUCCIONES PARA SU USO
- NÃO USE A MÁQUINA SEM LER A MANUAL DE INSTRUÇÕES
- НЕ ИСПОЛЬЗУЙТЕ УСТРОЙСТВО, НЕ ПРОЧИТАВ СНАЧАЛА ИНСТРУКЦИЮ ПО ЭКСПЛУАТАЦИИ
- NON USARE LA MACCHINA SENZA AVERE LETTO LE ISTRUZIONI PER L'USO

## 2 - T SERIES HIGH PRESSURE CLEANERS TECHNICAL SPECIFICATIONS

MODEL		T 8.90.2	T 10.100.2 10.100.4	T 11.120.2 11.120.3	
		SINGLE PHASE		SINGLE PHASE	
Flow rate	l/min.	<b>8</b>	<b>10</b>	<b>11</b>	
	G.P.M. USA	<b>2.1</b>	<b>2.6</b>	<b>2.9</b>	
Equivalent washing impact with rotating nozzle jet		E.W. bar / MPa / P.S.I.: specific jet pressure in bar / MPa / P.S.I.			
	E.W. MPa	<b>16</b>	<b>17</b>	<b>21</b>	
	E.W. bar	<b>160</b>	<b>170</b>	<b>210</b>	
	E.W. P.S.I.	<b>2320</b>	<b>2465</b>	<b>3045</b>	
Working pressure	MPa	<b>9</b>	<b>10</b>	<b>12</b>	
	bar	<b>90</b>	<b>100</b>	<b>120</b>	
	P.S.I.	<b>1305</b>	<b>1450</b>	<b>1740</b>	
Overpressure peak limit	MPa	<b>12</b>	<b>13</b>	<b>15</b>	
	bar	<b>120</b>	<b>130</b>	<b>150</b>	
	P.S.I.	<b>1740</b>	<b>1886</b>	<b>2175</b>	
Recoil thrust of jet	N	<b>&lt; 20</b>	<b>&lt; 27</b>	<b>&lt; 32</b>	
Absorbed motor power	kW	<b>2,2</b>	<b>2,65</b>	<b>2,9</b>	
Cycle	Hz	<b>50</b>	<b>50</b>	<b>50</b>	
Voltage	V	<b>230-1~</b>	<b>230-1~</b>	<b>230-3~</b>	
	A	<b>10,5</b>	<b>12</b>	<b>8,9</b>	
Amps	V	<b>240-1~</b>	<b>240-1~</b>	<b>400-3~</b>	
	A	<b>9,5</b>	<b>11,5</b>	<b>5,2</b>	
Capacitor		<b>50µF</b>	<b>50µF</b>	<b>-</b>	
Motor protection		<b>Thermal</b>		<b>-</b>	
Isolating class insulation		<b>F</b>	<b>F</b>	<b>B</b>	
Motor protection grade		<b>IPX5</b>			
Noise level*		<b>Lp dB(A) 76 (uncertainly 1,5) - Lw dB(A) 92</b>			
Lance vibration*	m/sec <sup>2</sup>	<b>Fixed nozzle A(8) than 2,5 - Rotating nozzle A(8) than 2,5</b>			
Max. water inlet temp	°C	<b>60</b>			
	°F	<b>140</b>			
Max inlet pressure		<b>MPa 1 - bar 10 - P.S.I. 145</b>			
Max suction depth	m	<b>1</b>	<b>1</b>	<b>1</b>	
	ft	<b>3,3</b>	<b>3,3</b>	<b>3,3</b>	
High pressure hose	8 m 26 ft	<b>Steel reinforced rubber - Internal diameter 1/4" Working pressure max 150 bar - 15 MPa - 2175 P.S.I.</b>			
Mass	dry	<b>Kg 34 - lbs 75</b>			
	(max.)	<b>Kg 43,5 - lbs 96</b>			
Dimensions	mm	<b>860x400x875 (h)</b>			
	inches	<b>33,8x15,7x34,4 (h)</b>			

\* (Reference Standard EN60335-2-79).

## 2 - TX SERIES HIGH PRESSURE CLEANERS TECHNICAL SPECIFICATIONS

MODEL		TX	TX	TX	TX	TX	TX
		10.130.2 10.130.4	12.100.2 12.100.4	12.140.2 12.140.3	13.180.2 13.180.3 13.180.4 13.180.5	14.120.2 14.120.3	15.150.2 15.150.3 15.150.4 15.150.5
		SINGLE PHASE	SINGLE PHASE	TRIPLE PHASE	TRIPLE PHASE	TRIPLE PHASE	TRIPLE PHASE
Flow rate	l/min.	<b>9,5</b>	<b>12</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>
	G.P.M. USA	<b>2.5</b>	<b>3.2</b>	<b>3.2</b>	<b>3.4</b>	<b>3.7</b>	<b>4</b>
Equivalent washing impact with rotating nozzle jet		E.W. bar / MPa / P.S.I.: specific jet pressure in bar / MPa / P.S.I.					
	E.W. MPa	<b>23</b>	<b>17</b>	<b>24,5</b>	<b>31</b>	<b>21</b>	<b>26</b>
	E.W. bar	<b>230</b>	<b>170</b>	<b>245</b>	<b>310</b>	<b>210</b>	<b>260</b>
	E.W. P.S.I.	<b>3336</b>	<b>2465</b>	<b>3553</b>	<b>4496</b>	<b>3045</b>	<b>3771</b>
Working pressure	MPa	<b>13</b>	<b>10</b>	<b>14</b>	<b>18</b>	<b>12</b>	<b>15</b>
	bar	<b>130</b>	<b>100</b>	<b>140</b>	<b>180</b>	<b>120</b>	<b>150</b>
	P.S.I.	<b>1886</b>	<b>1450</b>	<b>2030</b>	<b>2610</b>	<b>1740</b>	<b>2175</b>
Overpressure peak limit	MPa	<b>16</b>	<b>13</b>	<b>17</b>	<b>21</b>	<b>15</b>	<b>18</b>
	bar	<b>160</b>	<b>130</b>	<b>170</b>	<b>210</b>	<b>150</b>	<b>180</b>
	P.S.I.	<b>2320</b>	<b>1886</b>	<b>2465</b>	<b>3045</b>	<b>2175</b>	<b>2610</b>
Recoil thrust of jet	N	<b>&lt; 29</b>	<b>&lt; 32</b>	<b>&lt; 40</b>	<b>&lt; 47</b>	<b>&lt; 41</b>	<b>&lt; 49</b>
Absorbed motor power	kW	<b>3,2</b>	<b>3,2</b>	<b>3,8</b>	<b>5</b>	<b>3,8</b>	<b>5</b>
Cycle	Hz	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>
Voltage Amps	V	<b>230-1~</b>	<b>230-1~</b>	<b>230-3~</b>	<b>230-3~</b>	<b>230-3~</b>	<b>230-3~</b>
	A	<b>14,7</b>	<b>14,7</b>	<b>12,5</b>	<b>15,8</b>	<b>12,5</b>	<b>15,8</b>
	V	<b>240-1~</b>	<b>240-1~</b>	<b>400-3~</b>	<b>400-3~</b>	<b>400-3~</b>	<b>400-3~</b>
	A	<b>13,6</b>	<b>13,6</b>	<b>7,2</b>	<b>9,2</b>	<b>7,2</b>	<b>9,2</b>
	V				<b>240-3~</b>		<b>240-3~</b>
	A				<b>14,5</b>		<b>14,5</b>
	V				<b>415-3~</b>		<b>415-3~</b>
	A				<b>8,5</b>		<b>8,5</b>
Capacitor		<b>2x40µF</b>	<b>2x40µF</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
Motor protection	<b>Thermal</b>						
Isolating class insulation		<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>F</b>
Motor protection grade	<b>IPX5</b>						
Noise level*	<b>Lp dB(A) 80 (uncertainly 1,5) - Lw dB(A) 94</b>						
Lance vibration*	m/sec <sup>2</sup>	<b>Fixed nozzle A(8) than 2,5 - Rotating nozzle A(8) 7 (uncertainly 1)</b>					
Max. water inlet temp	°C	<b>60</b>					
	°F	<b>140</b>					
Max inlet pressure	<b>MPa 1 - bar 10 - P.S.I. 145</b>						
Max suction depth	m	<b>3</b>	<b>3</b>	<b>3</b>	<b>1</b>	<b>3</b>	<b>1</b>
	ft	<b>9,8</b>	<b>9,8</b>	<b>9,8</b>	<b>3,3</b>	<b>9,8</b>	<b>3,3</b>
High pressure hose	8 m 26 ft	<b>Steel reinforced rubber - Internal diameter 5/16" Working pressure max 200 bar - 20 MPa - 2900 P.S.I.</b>					
Mass	dry	<b>Kg 44,5 - lbs 98,1</b>					
	(max.)	<b>Kg 54 - lbs 119</b>					
Dimensions	mm	<b>860x400x875 (h)</b>					
	inches	<b>33,8x15,7x34,4 (h)</b>					

\* (Reference Standard EN60335-2-79).

## 2 - TX SERIES HIGH PRESSURE CLEANERS TECHNICAL SPECIFICATIONS

MODEL		TX	TX	TX	TX	TX	TX	TX
		17.130.2 17.130.3 17.130.4 17.130.5	951.6	954.6	955.6	956.6	957.6	961.6 961.8
		TRIPLE PHASE	SINGLE PHASE	SINGLE PHASE	TRIPLE PHASE	TRIPLE PHASE	SINGLE PHASE	TRIPLE PHASE
Flow rate	l/min.	<b>17</b>	<b>11,5</b>	<b>13,6</b>	<b>13</b>	<b>13</b>	<b>15,9</b>	<b>15</b>
	G.P.M. USA	<b>4.5</b>	<b>3</b>	<b>3.6</b>	<b>3.4</b>	<b>3.4</b>	<b>4.2</b>	<b>4</b>
Equivalent washing impact with rotating nozzle jet		E.W. bar / MPa / P.S.I.: specific jet pressure in bar / MPa / P.S.I.						
	E.W. MPa	<b>23</b>	<b>17</b>	<b>16</b>	<b>18,7</b>	<b>25</b>	<b>14,5</b>	<b>26</b>
	E.W. bar	<b>230</b>	<b>170</b>	<b>160</b>	<b>187</b>	<b>250</b>	<b>145</b>	<b>260</b>
	E.W. P.S.I.	<b>3336</b>	<b>2465</b>	<b>2320</b>	<b>2700</b>	<b>3626</b>	<b>2103</b>	<b>3771</b>
Working pressure	MPa	<b>13</b>	<b>10,3</b>	<b>9</b>	<b>11</b>	<b>14,5</b>	<b>7,6</b>	<b>15</b>
	bar	<b>130</b>	<b>103</b>	<b>90</b>	<b>110</b>	<b>145</b>	<b>76</b>	<b>150</b>
	P.S.I.	<b>1886</b>	<b>1494</b>	<b>1305</b>	<b>1600</b>	<b>2103</b>	<b>1102</b>	<b>2175</b>
Overpressure peak limit	MPa	<b>16</b>	<b>13,3</b>	<b>12</b>	<b>14</b>	<b>17,5</b>	<b>10,6</b>	<b>18</b>
	bar	<b>160</b>	<b>133</b>	<b>120</b>	<b>140</b>	<b>175</b>	<b>106</b>	<b>180</b>
	P.S.I.	<b>2320</b>	<b>1929</b>	<b>1740</b>	<b>2030</b>	<b>2538</b>	<b>1537</b>	<b>2610</b>
Recoil thrust of jet	N	<b>&lt; 51</b>	<b>&lt; 31</b>	<b>&lt; 35</b>	<b>&lt; 37</b>	<b>&lt; 41</b>	<b>&lt; 37</b>	<b>&lt; 49</b>
Absorbed motor power	kW	<b>5</b>	<b>3,2</b>	<b>3,2</b>	<b>3,4</b>	<b>4,6</b>	<b>3,2</b>	<b>5</b>
Cycle	Hz	<b>50</b>	<b>60</b>	<b>60</b>	<b>60</b>	<b>60</b>	<b>60</b>	<b>60</b>
Voltage Amps	V A	<b>230-3~ 15,8</b>	<b>220-1~ 15,5</b>	<b>220-1~ 15,5</b>	<b>200-3~ 12,0</b>	<b>220-3~ 16,5</b>	<b>220-1~ 15,5</b>	<b>220-3~ 15,8</b>
	V A	<b>400-3~ 9,2</b>						<b>380-3~ 9,2</b>
	V A	<b>240-3~ 14,5</b>						
	V A	<b>415-3~ 8,5</b>						
Capacitor		<b>-</b>	<b>2x40µF</b>	<b>2x40µF</b>	<b>-</b>	<b>-</b>	<b>2x40µF</b>	<b>-</b>
Motor protection	<b>Thermal</b>							
Isolating class insulation		<b>F</b>	<b>B</b>	<b>B</b>	<b>F</b>	<b>F</b>	<b>B</b>	<b>F</b>
Motor protection grade	<b>IPX5</b>							
Noise level*	<b>Lp dB(A) 80 (uncertainly 1,5) - Lw dB(A) 94</b>							
Lance vibration*	m/sec <sup>2</sup>	<b>Fixed nozzle A(8) than 2,5 - Rotating nozzle A(8) 7 (uncertainly 1)</b>						
Max. water inlet temp	°C	<b>60</b>						
	°F	<b>140</b>						
Max inlet pressure	<b>MPa 1 - bar 10 - P.S.I. 145</b>							
Max suction depth	m	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>1</b>
	ft	<b>3,3</b>	<b>3,3</b>	<b>3,3</b>	<b>3,3</b>	<b>9,8</b>	<b>3,3</b>	<b>3,3</b>
High pressure hose	8 m 26 ft	<b>Steel reinforced rubber - Internal diameter 5/16" Working pressure max 200 bar - 20 MPa - 2900 P.S.I.</b>						
Mass	dry	<b>Kg 44,5 - lbs 98,1</b>						
	(max.)	<b>Kg 54 - lbs 119</b>						
Dimensions	mm	<b>860x400x875 (h)</b>						
	inches	<b>33,8x15,7x34,4 (h)</b>						

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