

# PACIFIC MARINE & INDUSTRIAL®

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## Technical Performance Table

UPDATED: **MAR-23-2011**

### Pneumatic Fenders: 50 (Metric)

Table5-1(a) Pneumatic 50 Standard Sizes

Nominal Size (Dia × Length)	Initial Internal Pressure	Guaranteed Energy Absorption (GEA)	Reaction Force at GEA (RF)	Hull Pressure at GEA (pr)	Safety Valve Setting pressure	Testing Pressure	Weight of Net Type (Type I)		Weight Of Sling Type (TypeII)	Body Thickness
							Fender Body	Chain Net		
(mm × mm)	(kPa)	(kNm)	(kN)	(kPa)	(kPa)	(kPa)	(kg)	(kg)	(kg)	(mm)
500 × 1000	50	6	64	132	-	200	24	121	35	12
600 × 1000	50	8	74	126	-	200	28	132	39	12
700 × 1500	50	17	137	135	-	200	50	165	60	13
1000 × 1500	50	33	182	122	-	200	80	220	107	14
1000 × 2000	50	46	257	132	-	200	97	242	124	14
1200 × 2000	50	64	297	126	-	200	144	352	171	14
1350 × 2500	50	104	427	130	-	200	220	385	264	15
1500 × 3000	50	156	579	132	-	200	275	583	319	16
1500 × 4000	50	230	815	130	-	200	330	690	380	16
1700 × 3000	50	195	639	128	-	200	319	638	363	16
2000 × 3500	50	314	875	128	-	200	445	1056	502	17
2500 × 4000	50	676	1381	137	175	250	992	1364	1188	18
2500 × 5500	50	962	2019	148	175	250	1199	2035	1452	18
3300 × 4500	50	1198	1884	130	175	250	1606	1881	2024	20
3300 × 6500	50	1850	3015	146	175	250	2057	2827	2475	20
3300 × 10600	50	3128	5257	158	175	250	2816	5126	3366	22
4500 × 9000	50	4847	5747	146	175	250	4334	5929	-	24
4500 × 12000	50	6602	7984	154	175	205	5269	7689	-	24

Table5-1(b) 50 Non-Standard Sizes

Abnormal Size (Dia × Length)	Initial Internal Pressure	Guaranteed Energy Absorption (GEA)	Reaction Force at GEA (RF)	Hull Pressure at GEA (Pr)	Safety Valve Setting pressure	Testing Pressure	Weight of Net Type (Type I)		Weight Of Sling Type (TypeII)	Body thickness
							Fender Body	Chain Net		
(mm × mm)	(kPa)	(kNm)	(kN)	(kPa)	(kPa)	(kPa)	(kg)	(kg)	(kg)	(mm)
300 × 600	50	0.5	24	134	-	200	15	-	20	12
800 × 1500	50	24	158	132	-	200	64	280	72	14
1200 × 3000	50	109	482	134	-	200	250	435	280	14
1500 × 2500	50	125	464	126	-	200	243	484	287	16
1700 × 7200	50	516	1621	133	-	200	760	N/A	810	16
2000 × 3000	50	260	727	122	-	200	403	990	469	16
2000 × 4000	50	361	1020	125	-	200	490	1150	540	16
2000 × 6000	50	611	1631	136	-	200	658	1650	720	16
2500 × 9100	50	1631	3482	140	175	250	2150	3467	2230	18
3000 × 5000	50	1136	2021	154	175	250	1520	1800	1640	19
4500 × 7000	50	3302	3796	133	175	250	3740	4290	3880	24

- Notes
1. Figures on the table complying with ISO 17357
  2. Weight of the fender body and net tolerance +/-10%
  3. Special sizes are available of requested

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Technical Performance Table

Updated: **MAR-23-2011**

Pneumatic Fenders: 80 (Metric)

Table5-1(a) Pneumatic 80 Standard Sizes

Nominal Size (Dia x Length)	Initial Internal Pressure	Guaranteed Energy Absorption (GEA)	Reaction Force at GEA	Hull Pressure at GEA	Safety Valve Setting pressure	Testing Pressure	Weight of Net Type (Type I)		Weight Of Sling Type (TypeII)	Body thickness
							Fender Body	Chain Net		
(mm × mm)	(kPa)	(kNm)	(kN)	(kPa)	(kPa)	(kPa)	(kg)	(kg)	(kg)	(mm)
500 × 1000	80	8	85	174	-	250	26	121	37	13
600 × 1000	80	11	98	166	-	250	30	132	42	13
700 × 1500	80	24	180	177	-	250	52	165	63	14
1000 × 1500	80	45	239	160	-	250	84	220	111	15
1000 × 2000	80	64	338	174	-	250	101	242	129	15
1200 × 2000	80	89	390	166	-	250	149	352	176	15
1350 × 2500	80	144	561	170	-	250	226	385	270	17
1500 × 3000	80	218	761	174	-	250	339	583	355	17
1500 × 4000	80	296	1053	176	-	250	363	690	378	17
1700 × 3000	80	272	840	168	-	250	348	638	392	17
2000 × 3500	80	438	1150	168	-	250	454	1056	520	19
2500 × 4000	80	944	1815	180	230	300	1111	1364	1309	20
2500 × 5500	80	1343	2653	195	230	300	1353	2035	1606	20
3300 × 4500	80	1673	2476	171	230	300	1892	1881	2299	22
3300 × 6500	80	2583	3961	191	230	300	2420	2827	2827	22
3300 × 10600	80	4366	6907	208	230	300	3333	5126	3872	23
4500 × 9000	80	6766	7551	192	230	300	4818	5929	-	26
4500 × 12000	80	9218	14490	202	230	300	5863	7689	-	26

Table5-1(b) 80 Non-Standard Sizes

Abnormal Size (Dia x length)	Initial Internal Pressure	Guaranteed Energy Absorption (GEA)	Reaction Force at GEA (RF)	Hull Pressure at GEA (Pr)	Safety Valve Setting pressure	Testing Pressure	Weight of Net Type (Type I)		Weight of Sling Type (TypeII)	Body Thickness
							Fender Body	Chain Net		
(mm × mm)	(kPa)	(kNm)	(kN)	(kPa)	(kPa)	(kPa)	(kg)	(kg)	(kg)	(mm)
300 × 600	80	0.6	31	173	-	250	17	-	20	13
800 × 1500	80	31	204	180	-	250	71	280	83	15
1200 × 3000	80	140	623	185	-	250	275	435	310	16
1500 × 2500	80	174	610	166	-	250	268	484	312	17
1700 × 7200	80	668	2096	170	-	250	795	N/A	845	18
2000 × 3000	80	363	955	160	-	250	413	990	479	19
2000 × 4000	80	520	1380	173	-	250	505	1150	535	19
2000 × 6000	80	791	2109	170	230	300	724	1650	810	18
2500 × 9100	80	2293	4505	199	230	300	2360	3467	2450	20
3000 × 5000	80	1593	2608	185	230	300	1670	1800	1850	21
4500 × 7000	80	4608	4988	174	230	300	4136	4301	4350	26

- Notes
1. Figures on the table complying with ISO 17357
  2. Weight of the fender body and net tolerance +/-10%
  3. Special sizes are available of requested