

<b>BOAT</b> Name <b>PAZZA IDEA</b> Sail Nr <b>ITA-41503</b>	<b>GPH</b> <b>536.9</b>	<b>HULL</b> Length Overall <b>12.697m</b> Maximum Beam <b>3.698m</b> Displacement <b>6,465kg</b> Draft <b>2.555m</b> IMS Reg. Division <b>Cruiser/Racer</b> Dynamic Allowance <b>0.000%</b> Fwd Accommodation <b>Yes</b> Hull Construction <b>Cored, Light Stanch.</b> Carbon Rudder <b>Yes</b> Crew Arm Extension
<b>GENERAL</b> Class <b>ARYA 415 MOD.</b> Designer <b>LOSTUZZI</b> Builder <b>ARYA YACHTS</b> Series <b>01/2007</b> Age <b>07/2015</b> Age Allowance <b>0.390%</b> Offset File <b>I41503B.off - 27/06/2016 08:56:58</b> Measurement by - <b>21/05/2019</b>		IMSL <b>11.571m</b> VCGD <b>-0.403m</b> Sink <b>23.53kg/mm</b> RL <b>11.061m</b> VCGM <b>-0.326m</b> WS <b>31.61m<sup>2</sup></b> LSM0 <b>11.237m</b> Displacement/Length ratio <b>4.5564</b>



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<b>SCORING OPTIONS</b>						
	<b>COASTAL / LONG DISTANCE</b>			<b>WINDWARD / LEEWARD</b>		
Time on Distance	<b>524.4</b>			<b>592.2</b>		
Time on Time	<b>1.1441</b>			<b>1.1398</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>605.5</b>	<b>478.6</b>	<b>427.6</b>	<b>788.6</b>	<b>593.8</b>	<b>524.1</b>
Time on Time	<b>1.1148</b>	<b>1.4105</b>	<b>1.5785</b>	<b>0.8560</b>	<b>1.1367</b>	<b>1.2878</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>894.6</b>	<b>729.2</b>	<b>660.2</b>	<b>634.9</b>	<b>622.6</b>	<b>608.6</b>	<b>602.8</b>
52°	<b>586.5</b>	<b>488.2</b>	<b>456.9</b>	<b>447.5</b>	<b>442.8</b>	<b>439.3</b>	<b>431.8</b>
60°	<b>553.9</b>	<b>470.6</b>	<b>444.7</b>	<b>434.9</b>	<b>429.5</b>	<b>426.4</b>	<b>416.0</b>
75°	<b>511.5</b>	<b>450.1</b>	<b>432.2</b>	<b>417.6</b>	<b>407.7</b>	<b>401.5</b>	<b>393.7</b>
90°	<b>497.8</b>	<b>443.6</b>	<b>418.8</b>	<b>400.5</b>	<b>389.4</b>	<b>378.0</b>	<b>364.6</b>
110°	<b>534.5</b>	<b>451.2</b>	<b>420.4</b>	<b>401.8</b>	<b>376.1</b>	<b>352.6</b>	<b>329.1</b>
120°	<b>549.4</b>	<b>456.7</b>	<b>421.8</b>	<b>392.2</b>	<b>372.7</b>	<b>355.8</b>	<b>315.3</b>
135°	<b>618.5</b>	<b>491.4</b>	<b>441.5</b>	<b>411.0</b>	<b>380.2</b>	<b>348.8</b>	<b>294.5</b>
150°	<b>738.1</b>	<b>587.2</b>	<b>494.2</b>	<b>445.0</b>	<b>421.3</b>	<b>396.3</b>	<b>335.3</b>
Run VMG	<b>852.3</b>	<b>678.1</b>	<b>570.6</b>	<b>513.6</b>	<b>486.3</b>	<b>457.6</b>	<b>387.2</b>

<b>Selected Courses</b>							
Windward / Leeward	<b>873.5</b>	<b>703.6</b>	<b>615.4</b>	<b>574.3</b>	<b>554.4</b>	<b>533.1</b>	<b>495.0</b>
Circular Random	<b>732.1</b>	<b>593.9</b>	<b>521.4</b>	<b>479.9</b>	<b>453.9</b>	<b>435.2</b>	<b>406.8</b>
Coastal / Long Distance	<b>871.3</b>	<b>660.8</b>	<b>555.5</b>	<b>498.4</b>	<b>468.7</b>	<b>440.1</b>	<b>388.3</b>
Non Spinnaker	<b>804.1</b>	<b>644.9</b>	<b>558.9</b>	<b>508.2</b>	<b>476.3</b>	<b>454.6</b>	<b>426.4</b>

<b>Velocity Prediction in Knots for True Wind Speeds</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	<b>42.7°</b>	<b>41.3°</b>	<b>39.6°</b>	<b>38.8°</b>	<b>38.2°</b>	<b>37.5°</b>	<b>38.0°</b>
Beat VMG	<b>4.02</b>	<b>4.94</b>	<b>5.45</b>	<b>5.67</b>	<b>5.78</b>	<b>5.91</b>	<b>5.97</b>
52°	<b>6.14</b>	<b>7.37</b>	<b>7.88</b>	<b>8.04</b>	<b>8.13</b>	<b>8.20</b>	<b>8.34</b>
60°	<b>6.50</b>	<b>7.65</b>	<b>8.10</b>	<b>8.28</b>	<b>8.38</b>	<b>8.44</b>	<b>8.65</b>
75°	<b>7.04</b>	<b>8.00</b>	<b>8.33</b>	<b>8.62</b>	<b>8.83</b>	<b>8.97</b>	<b>9.14</b>
90°	<b>7.23</b>	<b>8.11</b>	<b>8.60</b>	<b>8.99</b>	<b>9.25</b>	<b>9.53</b>	<b>9.87</b>
110°	<b>6.74</b>	<b>7.98</b>	<b>8.56</b>	<b>8.96</b>	<b>9.57</b>	<b>10.21</b>	<b>10.94</b>
120°	<b>6.55</b>	<b>7.88</b>	<b>8.54</b>	<b>9.18</b>	<b>9.66</b>	<b>10.12</b>	<b>11.42</b>
135°	<b>5.82</b>	<b>7.33</b>	<b>8.15</b>	<b>8.76</b>	<b>9.47</b>	<b>10.32</b>	<b>12.23</b>
150°	<b>4.88</b>	<b>6.13</b>	<b>7.28</b>	<b>8.09</b>	<b>8.55</b>	<b>9.08</b>	<b>10.74</b>
Run VMG	<b>4.22</b>	<b>5.31</b>	<b>6.31</b>	<b>7.01</b>	<b>7.40</b>	<b>7.87</b>	<b>9.30</b>
Gybe Angles	<b>142.5°</b>	<b>144.6°</b>	<b>147.7°</b>	<b>151.7°</b>	<b>150.3°</b>	<b>147.5°</b>	<b>142.4°</b>

**Certificate**

Number **415031**  
ORC Ref **ITA00053039**  
Issued On **06/06/2019**  
VPP Ver. **2019 1.01**  
Valid until **31/12/2019**

**Crew Weight**

Default **813kg**  
Maximum **813kg**  
Minimum\* **610kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

	ToD	ToT
Double H.GPH	<b>548.0</b>	<b>1.0948</b>
Double H.OSN	<b>537.9</b>	<b>1.1155</b>
Non Spin GPH	<b>576.6</b>	<b>1.0406</b>
Non Spin OSN	<b>562.5</b>	<b>1.0666</b>

**Sails Limitations**

Headsails	Spinnakers
<b>6</b>	<b>4</b>

**Class Division Length**

**CDL = 11.317**

**Storm Sails Areas**

Heavy Weather Jib **40.79**  
Storm Jib (JL=11.30) **15.11**  
Storm Trysail **16.62**

**Owner**

<b>BOAT</b>	
Name <b>PAZZA IDEA</b>	Sail Nr <b>ITA-41503</b>
File <b>I41503</b>	Data in <b>meters/kilograms</b>

<b>RIG</b>	
Forestay Tension <b>Aft &amp; Forward</b>	Spreaders <b>2</b>
Inner Stay <b>None Fitted</b>	Runners <b>0</b>
Carbon Mast <b>Yes</b>	Jumper Struts <b>None</b>
Taper Hollows <b>No</b>	Jib Furler <b>No</b>
Fiber Rigging <b>Yes</b>	Main Furler <b>No</b>
Lenticular Rigging <b>No</b>	Without Backstay <b>No</b>
Articulated Bowsprit <b>No</b>	
P <b>16.365</b>	E <b>5.800</b> MDT1 <b>0.122</b> MW <b>0.260</b>
IG <b>17.232</b>	J <b>4.860</b> MDL1 <b>0.260</b> GO <b>0.302</b>
ISP <b>18.930</b>	SFJ <b>0.070</b> MDT2 <b>0.116</b> BD <b>0.236</b>
BAS <b>1.810</b>	SPL <b>0.000</b> MDL2 <b>0.239</b> MWT <b>190.00</b>
FSP <b>0.078</b>	TPS <b>6.340</b> TL <b>1.500</b> MCG <b>6.340</b>

<b>INCLINING TEST AND FREEBOARDS</b>			
Inclining Test <b>Current Inclining</b>			
Flotation date <b>17/04/2019</b>		SG <b>1.0070</b>	
FFM <b>1.321</b>	FF <b>1.327</b>	SFFP <b>0.000</b>	
FAM <b>1.133</b>	FA <b>1.137</b>	SAFP <b>12.617</b>	
W1 <b>98.5</b>	PD1 <b>499.6</b>	WD <b>13.750</b>	
W2 <b>98.5</b>	PD2 <b>499.1</b>	GSA <b>1.0</b>	
W3 <b>98.5</b>	PD3 <b>500.9</b>	RSA <b>1.0</b>	
W4 <b>98.5</b>	PD4 <b>500.9</b>	PLM <b>9000.0</b>	
LCF from stem on CL / on sheer		<b>6.829 / 7.040</b>	
Maximum beam station from stem		<b>7.710</b>	
RM Measured		<b>213.3kg-m</b>	
RM Default		<b>196.6kg-m</b>	
Limit of positive stability / Stab.Index		<b>134.6° / 137.0</b>	
Freeboard at mast at 4.930		<b>1.264</b>	



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<b>MIZZEN RIG AND SAILS</b>	
N/A	

<b>PROPELLER</b>			
Installation <b>Strut</b>	PRD <b>0.408</b>		
Type <b>Folding 2 blades</b>	PBW <b>0.112</b>		
Twin Screw <b>No</b>	PIPA <b>0.0025</b>		
ST1 <b>0.042</b>	ST3 <b>0.135</b>	ST5 <b>0.247</b>	
ST2 <b>0.135</b>	ST4 <b>0.088</b>	EDL <b>1.658</b>	

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<b>COMMENTS</b>	

<b>MOVABLE BALLAST</b>	
N/A	

<b>CENTERBOARD</b>	
N/A	

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<b>SAILS (Maximum Areas)</b>									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.710	1.49	2.34	3.77	4.94	58.45	59.79	P/8 · (E + 2·MQW+ 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric Not Available									
Asymmetric on centerline	SLU	SLE	SL	SHW	SFL	Area	Formula		
	21.52	18.27	19.89	10.40	9.78	170.37	AS · (SFL + 4·SHW) / 6		

<b>HEADSAILS</b>												
Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB)												
<b>HHB</b>	<b>HUW</b>	<b>HTW</b>	<b>HHW</b>	<b>HQW</b>	<b>HLP</b>	<b>HLU</b>	<b>Area</b>	<b>Btn</b>	<b>Fly</b>	<b>Meas.Date</b>	<b>Material</b>	<b>Comment</b>
0.05	0.77	1.52	3.16	4.92	6.59	19.99	64.67	N	Y	21/05/2019	Carbon	
0.12	0.85	1.60	2.78	3.97	5.24	16.74	45.92	Y	N	24/06/2017	Carbon	RM #1 9/6/17
0.12	0.79	1.48	2.70	3.99	5.26	16.88	45.67	Y	N	09/06/2017	Carbon	#2

<b>MEASUREMENT INVENTORY</b>				
Measurer <b>174</b>				
Date <b>17/04/2019</b>				
Comment <b>MARINA HANNIBAL</b>				
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>
<i>Id</i>	<i>Item</i>	<i>Maker</i>	<i>Model</i>	
A	Engine	LOMBARDINI	40 HP	
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>

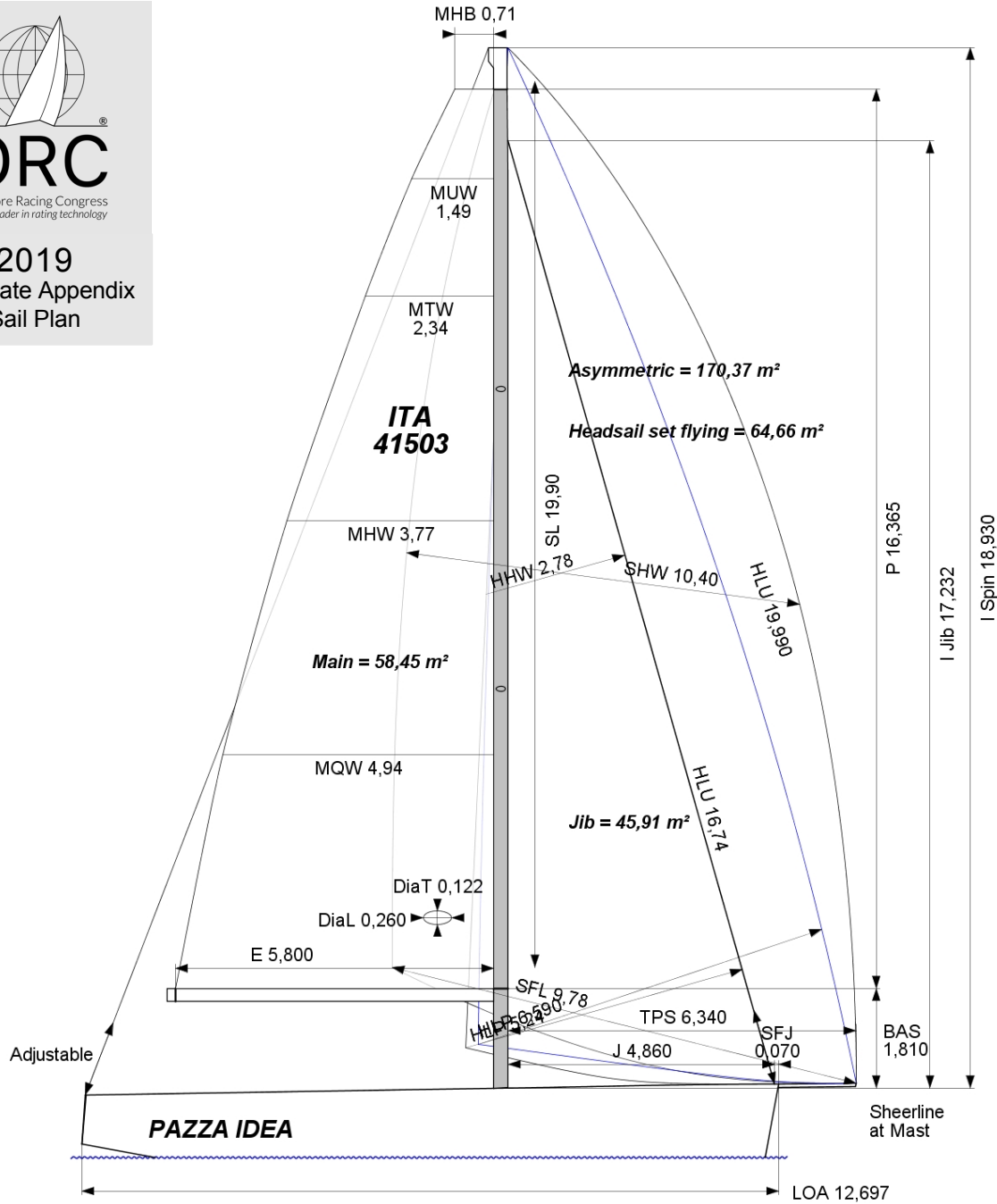
<b>MEASUREMENT INVENTORY</b>									
<i>Id</i>	<i>Item</i>	<i>Tank Use</i>	<i>Tank Type</i>	<i>Capcty</i>	<i>Dist.</i>	<i>VCG</i>	<i>Condtn</i>	<i>Description</i>	
A	Tank	FUEL	PVC	103.0	10.09	0.20	0-0	EMPTY	
B	Tank	WATER	PVC	39.0	6.19	0.10	0-0	EMPTY - SX	
C	Tank	BLACK	PVC	35.0	2.24	0.10	0-0	EMPTY	
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>					
A	Battery	0.0	7.49	0.12 2x105 Ah DX					
B	Battery	0.0	8.79	0.12 1x50 Ah DX					
A	Misc	0.0	5.53	0.00 TABLE					
B	Misc	0.0	5.53	0.00 MAST JACK					
C	Misc	0.0	7.18	0.00 CUCINA CON 2 FUOCHI					



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Sail Plan



**SAILS INVENTORY**

MAINSAIL (2)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
B	0.71	1.49	2.34	3.77	4.94	58.46		24/06/2017	ONE	Carbon	RM 20/4/17					
A	0.18	1.19	2.19	3.71	4.80	56.02		24/06/2016	MILLENIUM	Carbon						
HEADSAILS (3)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
F	0.05	0.77	1.52	3.16	4.92	6.59	19.99	136%	64.67	N	Y		21/05/2019	ONE	Carbon	
E	0.12	0.85	1.60	2.78	3.97	5.24	16.74	108%	45.92	Y	N		24/06/2017	ONE	Carbon	RM #1 9/6/17
D	0.12	0.79	1.48	2.70	3.99	5.26	16.88	108%	45.67	Y	N		09/06/2017	ONE	Carbon	#2
SYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
ASYMMETRIC SPINNAKERS (2)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				
D	21.52	18.27	19.89	10.40	9.78	170.37	asym		24/06/2017	ONE	Nylon	RM A2 18/05/17				
E	20.96	18.99	19.98	9.97	11.13	169.83	asym		16/05/2017	ONE	Unknown	A1,5				