



PT. PINDAD (PERSERO)


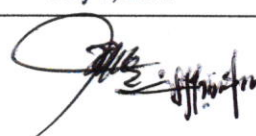




MACHINE SPECIFICATION

FOR

ELECTRIC OVERHEAD CRANE

(FOR PRODUCER)

MS NO. : MS-001-Electric Overhead Crane-2016

PREPARED BY		CHECKED BY	APPROVED BY	REVISION		
				NO	DATE	SIGNATURE
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DATE	July 5, 2017	July 5, 2017	July 5, 2017	3		
SIGNATURE	1. 	1. 		4		
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Issue Date : July 5 , 2017

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Product	Revision	Effective Date
Electric Overhead Crane	-	July 5, 2017
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Product <p style="text-align: center;">Electric Overhead Crane</p>	Revision <p style="text-align: center;">-</p>	Effective Date <p style="text-align: center;">July 5, 2017</p>
<p>1. SCOPE This specification covers the requirements and conditions of admission to the Electric Overhead Crane.</p> <p>2. APPLICABLE DOCUMENTS The following lists the documents referred to in this specification. These documents shall form part of this specification to the extent specified herein. In the case of requirements in these documents differing from the requirements indicated in this specification, this specification shall always have precedence.</p> <p>2.1 Certificate of origin This document is referred to the origin of the country where the machine is manufactured.</p> <p>2.2 Quality Control Document of the machine from manufacture To convenience that the machine is passes the Quality control.</p>		
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Product Electric Overhead Crane	Revision -	Effective Date July 5, 2017
<p>3. REQUIREMENTS</p> <p>3.1. <u>Physical Characteristics</u></p> <p>3.1.1 <u>Basic Machine Specifications</u></p> <p>The machine shall comply to the minimum specification as follows :</p> <p>1. General :</p> <ul style="list-style-type: none"> - Girder type : Single girder - Crane class : H2/B3 (per DIN 15018) - Deflection design : L/750 or better - Crane application : indoor - Span : 20 m - Max.Nominal Load Capacity : 10 ton - Long Travel Speed : 40 m/min or higher - Cross Travel Speed : 30 m/min or higher - Design Temperature : -10°C – 40°C - Crane Movement Awareness : beeping audible alarm - Crane Control : mobile push-button pendant <p>2. Hoist :</p> <ul style="list-style-type: none"> - Speed Control : variable speed - Lifting Speed : 5 m/min or higher <p>3.1.2 <u>Compatible Electrical Supply</u></p> <ul style="list-style-type: none"> • Power Supply : 400 V ± 10% (3 phases) • Frequency : 50 Hz ± 10% <p>3.2 <u>Documentation</u></p> <p>Two (2) sets of technical documentation in Bahasa or English supplied in print (hard copies) as well as two (2) copies saved on CD and constituting of:</p> <ul style="list-style-type: none"> • CE Declaration of Conformity. • Drawing & layout of the machine with supply connections. • Operation manual. • Maintenance manual. <p>3.3 <u>Preservation and Packaging</u></p> <p>The machine shall be packed in a properly sealed and safe packaging and shall be able to prevent any damages and corrosion during transportation and storage for 6 months as from date of shipment. The packing details issued by Producer/Supplier and agreed by Buyer. The supplier shall ensure no short packing of equipment or components.</p>		
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<p>3.4 <u>Additional Accessories</u> The shall include the following accessories :</p> <table border="1"> <thead> <tr> <th>No</th> <th>NAME</th> <th>Max.Load</th> <th>QTY</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Chain Sling (2 chain)</td> <td>10 ton</td> <td>1</td> </tr> <tr> <td>2</td> <td>Chain Sling (4 chain)</td> <td>10 ton</td> <td>1</td> </tr> <tr> <td>3</td> <td>Webbing Sling</td> <td>3 ton</td> <td>2</td> </tr> <tr> <td>4</td> <td>Webbing Sling</td> <td>6 ton</td> <td>2</td> </tr> </tbody> </table>			No	NAME	Max.Load	QTY	1	Chain Sling (2 chain)	10 ton	1	2	Chain Sling (4 chain)	10 ton	1	3	Webbing Sling	3 ton	2	4	Webbing Sling	6 ton	2
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3	Webbing Sling	3 ton	2																			
4	Webbing Sling	6 ton	2																			
<p>3.5 <u>Additional Requirements</u></p> <ul style="list-style-type: none"> • Cabling and other supporting tools required to set-up the machine shall be supplied by the supplier. • Crane shall be supplied with chain sling and • Operational and maintenance training in Pindad (when commissioning). • Availability of spare part for at least 10 years. • Have representative to aid in after sales service for the machine in Indonesia. • At least 1 year of warranty for service and spare parts. • Periodic maintenance survey from the supplier to monitor the machine performance. 																						
<p>4. <u>QUALITY ASSURANCE PROVISIONS</u></p> <p>4.1 <u>Conformance to requirements</u> The supplier shall be responsible to ensure that the supplied components conform to all the requirements stated in paragraph 3 of this specification and Pindad quality requirements.</p> <p>4.2 <u>Commissioning Procedures</u></p> <p>4.2.1 <u>Visual Inspection</u> Checking for the completeness (quality and quantity) of parameters as:</p> <ol style="list-style-type: none"> 1. Machine physical conditions, according to part 3 (Requirements) of this machine specification. 2. Spare parts, tools and gauges, according to part list from OEM (Original Equipment Manufacturer). 3. Documents supplied altogether with the machine. <p>4.2.2 <u>Functional Inspection</u> Checking for the full functioning of the machine supplied which covers the following :</p> <ol style="list-style-type: none"> 1. Machine movement (long and cross travel) with and without load. 2. Hoisting (up and down) with and without load. 3. The machine shall be able to pass the testing using 125% of max.load capacity. 																						
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