



# TEST CERTIFICATE FOR CENTRIFUGAL PUMPS

N° RT - 2010019463 - 2018

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## ORDER REFERENCES

Pump Type : **0** Customer : **THAI KHUONG**  
 Job : **0** Order N. : **2000020055**  
 Serial N. : **2010019463** Item : **0**

Rated Performances :			Test Conditions :		
Flow Rate	(m3/h)	8	Motor	Type	<b>CEMP</b>
Head	(mca)	20,5	Power	(kw)	<b>0</b>
Power	(kw)	0	Poles	n°	<b>2</b>
Speed	(rpm)	0	Actual Impeller	(mm)	<b>0</b>
Efficiency	(%)	0	Discharge nozzle	(mm)	32 80
NPSHr	(mca)	0	Suction nozzle	(mm)	50 80
Density	(kg/m³)	0	Liquid temperature	(°C)	2E+06
Viscosity	(cSt)	0	Density	(kg/m³)	#####
Impeller Type		/	Vapour pressure	(Pa)	2879,36
Code for acceptance tests		ISO 9906:2012 GR.2B	Barometric Pressure	(bar)	1,013

## TEST RESULTS

Sizes	Symbol	Units	1	2	3	4	5	6	7	8	9	10
Speed	<b>n</b>	rpm	3000	3000	3000	3000	3000					
Flowmeter	<b>T</b>	N.	80	80	80	80	80					
<b>Flow Rate</b>	<b>Q</b>	<b>m³/h</b>	<b>0,00</b>	<b>4,10</b>	<b>8,30</b>	<b>10,11</b>	<b>14,07</b>					
Suction head (reading)	<b>pa</b>	bar	0,056	0,055	0,053	0,052	0,049					
Discharge head (reading)	<b>pm</b>	bar	#####	#####	#####	#####	#####					
Suction head	<b>ha</b>	m.c.l.	0,57	0,56	0,54	0,53	0,50					
Discharge head	<b>hm</b>	m.c.l.	23,34	23,38	20,78	18,58	11,21					
Differential	<b>Δz</b>	m.c.l.	0,00	0,00	0,00	0,00	0,00					
Delta c²	<b>Δc²/2g</b>	m.c.l.	0,00	0,00	0,00	0,00	0,00					
Packing chamber pressure	<b>Pp</b>	bar	0,000	0,000	0,000	0,000	0,000					
<b>Total head</b>	<b>H</b>	<b>m.c.l.</b>	<b>22,77</b>	<b>22,83</b>	<b>20,25</b>	<b>18,08</b>	<b>10,76</b>					
Watt1+Watt2+Watt3	<b>Wt</b>	kW	0,91	1,15	1,39	1,48	1,65					
Motor absorbed power	<b>Pm</b>	kw	0,91	1,15	1,39	1,48	1,65					
Motor efficiency	<b>Rm</b>	%	77,20	77,20	77,20	77,20	77,20					
Volt	<b>V</b>	V	388,40	388,20	387,20	385,90	386,70					
Ampere	<b>A</b>	A	1,88	2,18	2,53	2,65	2,90					
<b>Pump absorbed power</b>	<b>Pa</b>	<b>kw</b>	<b>0,70</b>	<b>0,89</b>	<b>1,07</b>	<b>1,14</b>	<b>1,27</b>					
<b>Pump efficiency</b>	<b>h</b>	<b>%</b>	<b>0,00</b>	<b>28,65</b>	<b>42,49</b>	<b>43,59</b>	<b>32,25</b>					
Suction kinetic energy	<b>c²/2g</b>	m.c.l.	-	-	-	-	-					
Suction head	<b>ha</b>	m.c.l.	-	-	-	-	-					
<b>NPSHr</b>	<b>npsHr</b>	<b>m.c.l.</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>					

## DATA CORRECTION TO RATED CONDITIONS

Flow Rate	<b>Q</b>	m³/h	0,00	0,00	0,00	0,00	0,00					
Total head	<b>H</b>	m.c.l.	0,00	0,00	0,00	0,00	0,00					
Pump absorbed power	<b>Pa</b>	kw	0,00	0,00	0,00	0,00	0,00					
NPSHr	<b>npsHr</b>	m.c.l.	-	-	-	-	-					
Packing chamber pressure	<b>Pp</b>	m.c.l.	0,00	0,00	0,00	0,00	0,00					
Efficiency	<b>h</b>	(%)	0,00	28,65	42,49	43,59	32,25					

## Note :

Collaudo senza PLAN11

Operator :	Inspector :	Inspector Authority :	
10/08/2018			



TEST CERTIFICATE  
FOR CENTRIFUGAL PUMPS

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ORDER REFERENCES

Pump Type :	0	Customer :	THAI KHUONG
Job :	0	Order N. :	2000020055
Serial N. :	2010019463	Item :	0
Impeller Type :	/	Impeller Diameter :	0 [mm]

