


			Date	Signature	 <b>VALIADIS</b> HELLENIC MOTORS
		Designed by	19/03/25	St.Karageorgis	
		Checked by			
		Examine by			Design Number : MTTMKHVD-250319-2
			SCALE		Replaced from
					Replace the
					Motor Type : TMKHV-D450-6 Mounting : B3 630 kW / 6 Poles / 6 kV
Change	Date	Name			



# VALIADIS S.A.

## Hellenic Motors

Quality Assurance Certificate EN ISO 9001:2015  
Certificate Reg. No. 041130055



### Technical Data Sheet

Description	Three Phase Induction Motor TMKHV-D 450-6, 630 kW, 6 kV, 50 Hz PRELIMINARY DRAWING
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General specs		
Frame	450	mm
Output	630	kW
Frequency	50	Hz
Poles	6	
Rated Speed	990	rpm
Mounting	IM B3	
Insulation Class	F	
Protection	IP55	
Cooling method	IC611	
Duty	S1	
Service factor	1	
Ambient Temperature	-20~40	°C
Temperature Rise	80	K
Altitude	1.000	M
Slip	1,0	%
Rated Voltage	6000	V
Connection	Y	
Rated Current	78	A
Rotor Voltage	596	V
Connection	Δ	
Rotor Current	646,6	A
Locked Rotor Current / Full load current	-	%
No Load Current	-	A
Rated Torque	6077	Nm
Locked Rotor Torque / Full load Torque	-	%
Breakdown Torque / Full load Torque	240	%
Moment of inertia	-	kg m <sup>2</sup>

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Vibration		2,3		mm/s
Noise Level (Lp)		95		dB(A)
Bearings DE : 6328 C3	Regreasing int,(h): 4000	Grease amount (g) : 95	Grease-PolyrexEM : CHEVRON SRI-2	
NDE : 6322 C3	Regreasing int,(h): 4000	Grease amount (g) : 95	Grease-PolyrexEM : CHEVRON SRI-2	
Direction of Rotation		BOTH		
Starting method		RESISTANCE		
Coupling		DIRECT		
Winding thermal protection		PTC 3PCS		Yes
Approx.Weight		~4800		kg

Performance			
Output	50%	75%	100%
Efficiency (%)	91,4	94,2	94,2
Power Factor	0,71	0,79	0,83

Customer specific requirements		
Winding resistance thermometers detector	PT100	6*PT100
Bearing resistance thermometer detector	PT100	2*PT100
Anticondensation Heater	230 V	Yes
SPM nipples	x2	Yes

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