

SIEMENS		Data Sheet : Induction Motor Champion Series Motor Type : 1LA2 166-4NA80					
Number of Phases		3					
Rated Output kW		15					
Rated Voltage V		415					
Rated Current A		27		Reference Standard		IS:12615	
Rated Speed rev/min		1475		Enclosure IS:4691		IP55	
Rated Frequency Hz		50		Cooling IS:6362		IC411	
Rated Torque		9.9 kgf.m / 97 Nm		Duty		S1	
Efficiency :	100% load %	92.1		Terminal Box	Type	1XB1 223	
	75% load %	92.1			Terminal Size	M6	
	50% load %	91.6			No. of Terminals	6	
Power Factor :	100% load %	0.83		Data	Max. Cable Section	mm ²	
	75% load %	0.79					
	50% load %	0.69					
Insulation Class		F		Bearing Data	Drive End		6309Z C3
Temperature rise (Res.method) K		70			Non-Drive End		6309Z C3
					Lubrication		Re-Greasable
				Life L10 hrs. #		50,000	
Locked rotor withstand time	Hot (s)	15		Lifting eyebolt IS:4190		M12	
	Cold (s)	25		Motor weight (approx.) kg		165	
Stator connection		DELTA		Rotor	GD ² (4x MI) kgf.m ²	0.64	
Rotor Class		KL16			Weight kg	38	
				Construction IS:2253		IMB3	
Ratio of starting current to the rated current		100% voltage	7.5	Frame designation		160L	
		80% voltage	5.6				
				Ambient Temperature °C		50	
Ratio of starting torque to the rated torque		100% voltage	2.5	Voltage Variation %		± 10	
		80% voltage	1.4	Frequency variation %		± 5	
				Combined Voltage & Frequency variation %		10	
Ratio of Breakdown torque to the rated torque				# For directly coupled drives			
		100% voltage	3.3	Data subject to tolerance as per IS:12615.			
		80% voltage	2.0				
Remarks : Unique Identification Code: UIC-4665770 <--- This code must match with the one on Characteristic Curves Sheet.							
KALWA, INDIA Department : I DT LD P LV-Motors		Reference Document MTR 2.6-182		Printed & Checked : Date : 14.08.2011		Release Date Aug '2011	