

<b>SIEMENS</b>		<b>Data Sheet : Induction Motor Champion Series Motor Type : 1SE0 357-6NC80</b>						
Number of Phases		3						
Rated Output kW		200						
Rated Voltage V		415						
Rated Current A		345		Reference Standard		IS:12615		
Rated Speed rev/min		989		Enclosure IS:4691		IP55		
Rated Frequency Hz		50		Cooling IS:6362		IC411		
Rated Torque		197 kgf.m / 1932 Nm		Duty		S1		
Efficiency :		100% load %		95.0		Terminal Box Data	Type	1XB7 622
		75% load %		95.0			Terminal Size	M16
		50% load %		95.0			No. of Terminals	6
Power Factor :		100% load %		0.85		Bearing Data	Max. Cable Section	mm <sup>2</sup> 2R 3½C 300 mm <sup>2</sup>
		75% load %		0.84			Drive End	6322 C3
		50% load %		0.77			Non-Drive End	6322 C3
Insulation Class		F		Lubrication		Re-Greasable		
Temperature rise (Res.method) K		70		Life L10 hrs. #		50,000		
Locked rotor withstand time		Hot (s)		20		Lifting eyebolt IS:4190		M30
		Cold (s)		35		Motor weight (approx.) kg		1580
Stator connection		DELTA		Rotor		GD <sup>2</sup> (4x MI) kgf.m <sup>2</sup>		30
Rotor Class		KL10				Weight kg		485
Ratio of starting current to the rated current		100% voltage		6.0		Construction IS:2253		IMB3
		80% voltage		4.4		Frame designation		355L
Ratio of starting torque to the rated torque		100% voltage		1.6		Ambient Temperature °C		50
		80% voltage		0.9		Voltage Variation %		± 10
						Frequency variation %		± 5
Ratio of Breakdown torque to the rated torque		100% voltage		2.0		Combined Voltage & Frequency variation %		10
		80% voltage		1.2		# For directly coupled drives		
						Data subject to tolerance as per IS:12615.		
<b>Remarks :</b> Unique Identification Code: UIC-8177748 <--- This code must match with the one on Characteristic Curves Sheet.								
<b>KALWA, INDIA</b> <b>Department : I DT LD P LV-Motors</b>			Reference Document MTR 2.6-181ab		Printed & Checked : Date : 14.12.2012		Release Date <b>Aug '2011</b>	

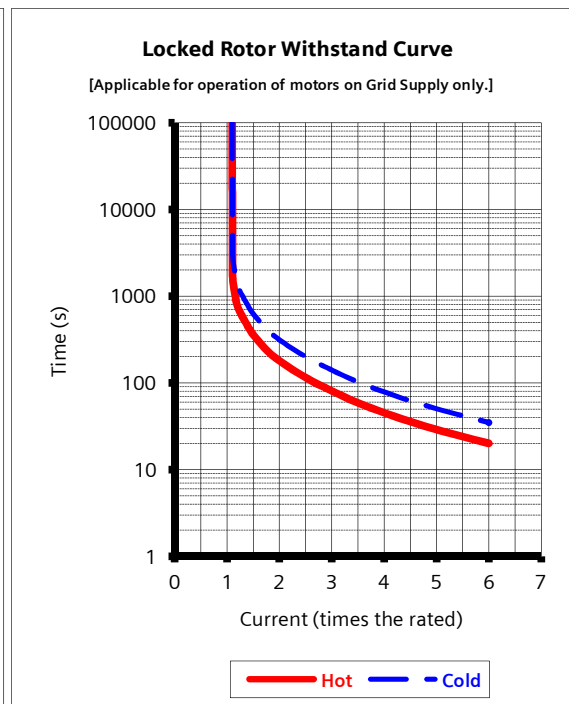
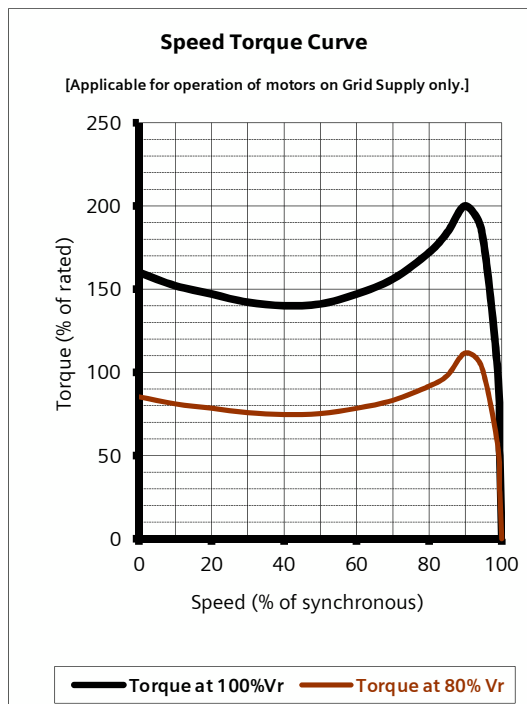
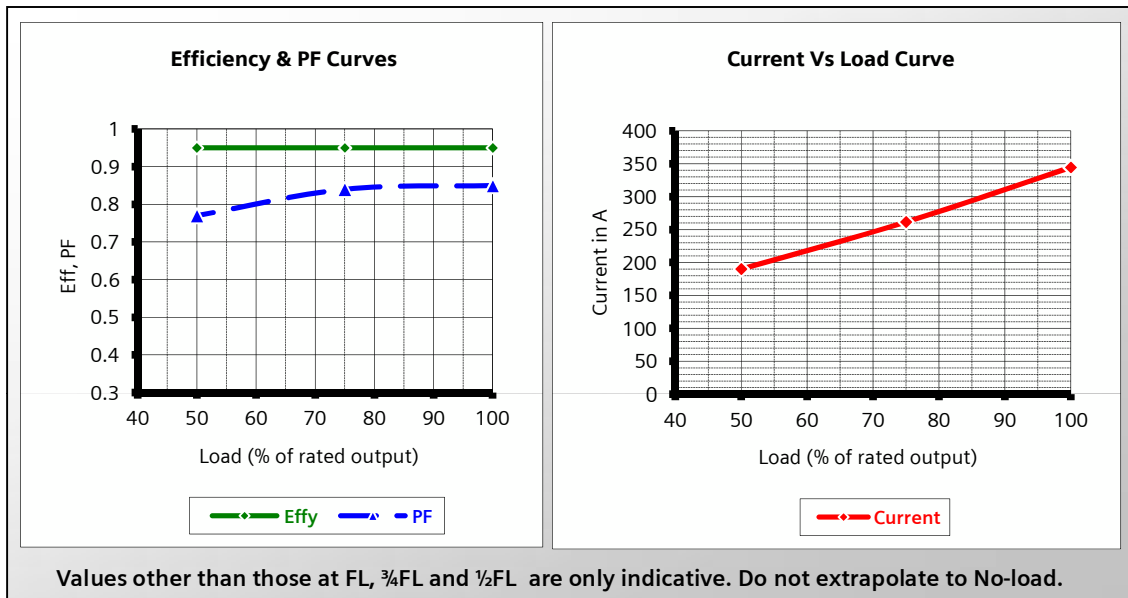
Unique Identification Code: UIC-8177748 <-- This code must match with the one on the Data Sheet.

Motor Type : 1SE0 357-6NC80 Voltage : 415VΔ Rated Speed : 989 rev/min  
 Output : 200 kW Frequency : 50Hz Rated Torque : 197 kgf.m / 1932 Nm  
 Rated Current: 345A

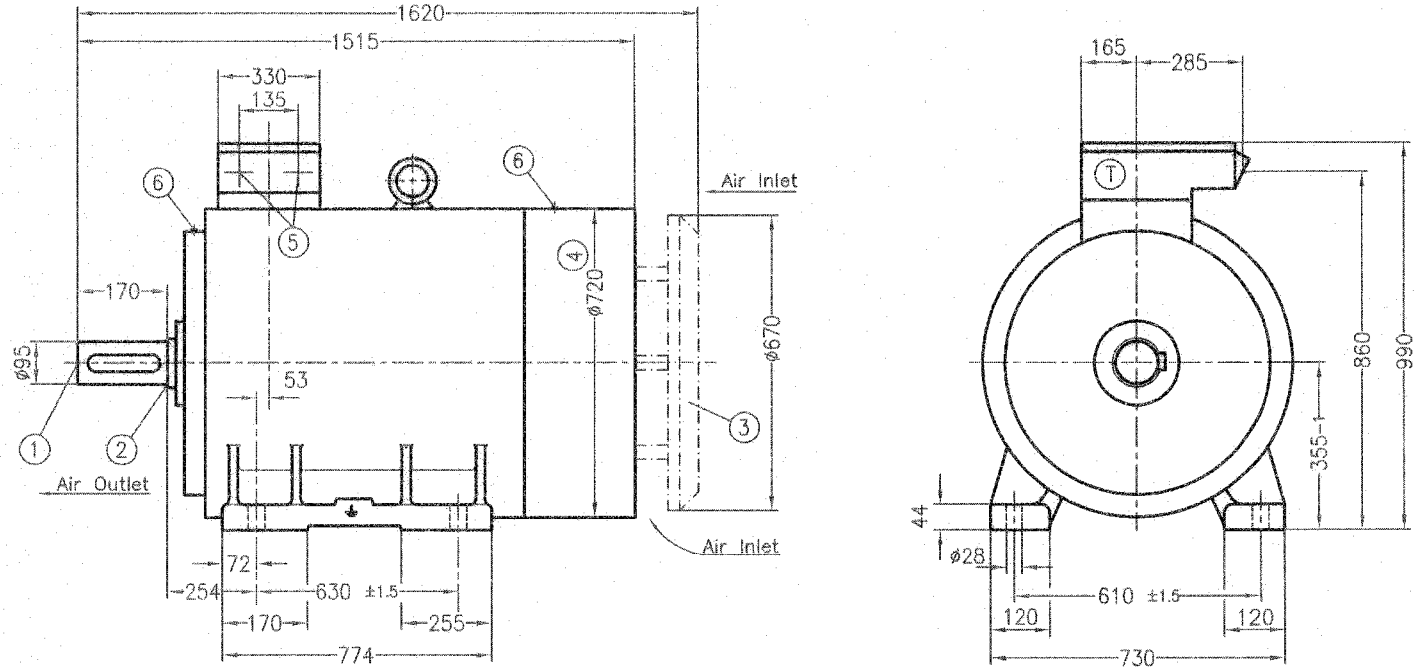
% Load	FL	¾FL	½FL
Efficiency	95.0%	95.0%	95.0%
Power Factor	0.85	0.84	0.77

Locked Rtr Curr	6 x Rated
LRWT HOT	20 s
LRWT COLD	35 s

**DATA SUBJECT TO TOLERANCE AS PER IS : 12615.**




29 DEC 2010



- ① Shaft extension  $\phi 95_{m6} \times 170$  with protected centre hole M24x50
- ② Relief groove E2.5x0.4 as per IS:3428
- ③ Canopy as per requirement
- ④ Measured over bolt heads
- ⑤ 2 Nos. B.S.Conduit Entry 63.5 (2.5") -IS:1653
- ⑥ Grease Nipple M10x1 as per IS:4009

- Ⓣ Terminal Box Type : 1XB7 622  
Suitable for max. cable conductor cross-section( $\text{mm}^2$ ) : 300

355L		IM-B3	
Frame Designation		Applicable for Construction	
<small>(ab) Reorganised and Redrawn with changes for IE2/IE3 as per ECH 30590005789 DL 09.11.10, RSA</small>			
Drawn	Date	Name	<b>Dimensional Diagram</b> Type: 35 -4.8 DRG No. <b>4D-2735-40-0229216-001</b> ab
Checked	08.11.10	RSA	
Std. CHD.	03.11.10	 R. Sankar R. Sankar	
Electrical Dimensional		Scale	
IS: 1231/ IS: 2223/		NTS	
IS: 2102-Extra Course		SIEMENS WMOT	
		REF DRG NO.	

Second Original